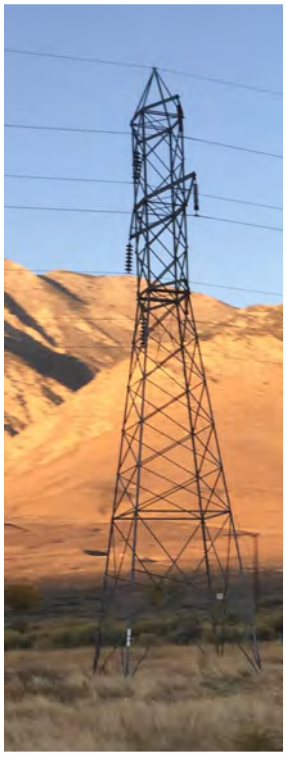
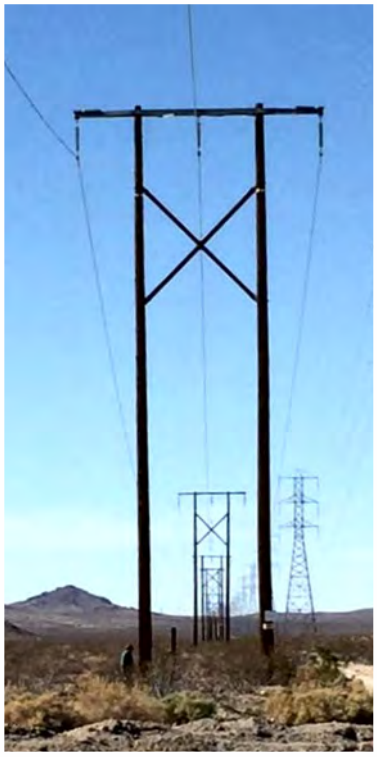
Draft Environmental Impact Report Appendices

SCE Ivanpah-Control Project

State Clearinghouse #2020080553

Prepared by

California Public
Utilities Commission

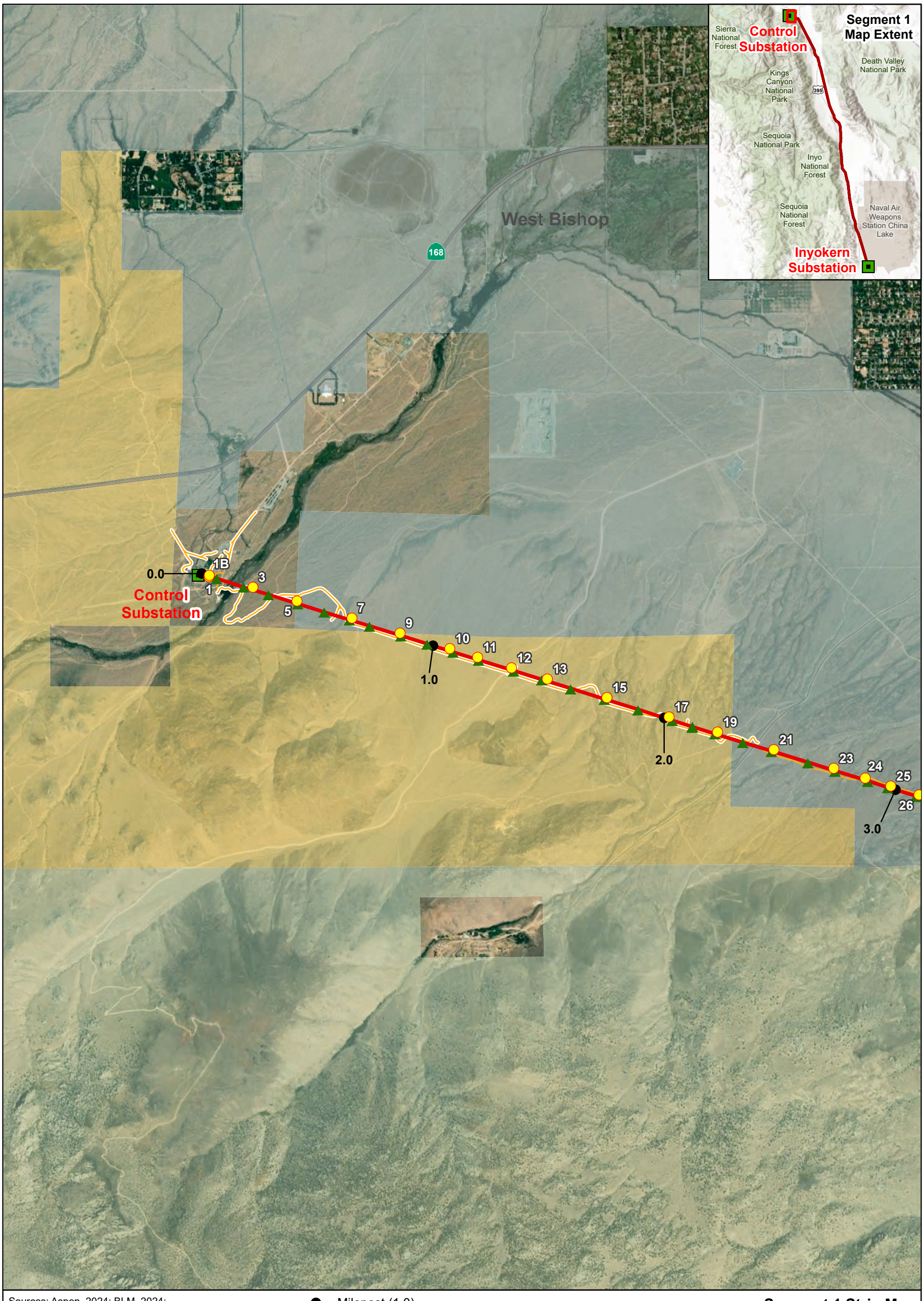
March 2026

Appendix 1

DETAILED PROJECT MAPS

This appendix contains the following information:

Segment 1 Strip Maps. 1-1
Segment 2 Strip Maps. 1-27
Segment 3N Strip Maps. 1-37
Segment 3S Strip Maps. 1-45



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- USDA Forest Service

Segment 1 Strip Map

Sheet 1 of 26

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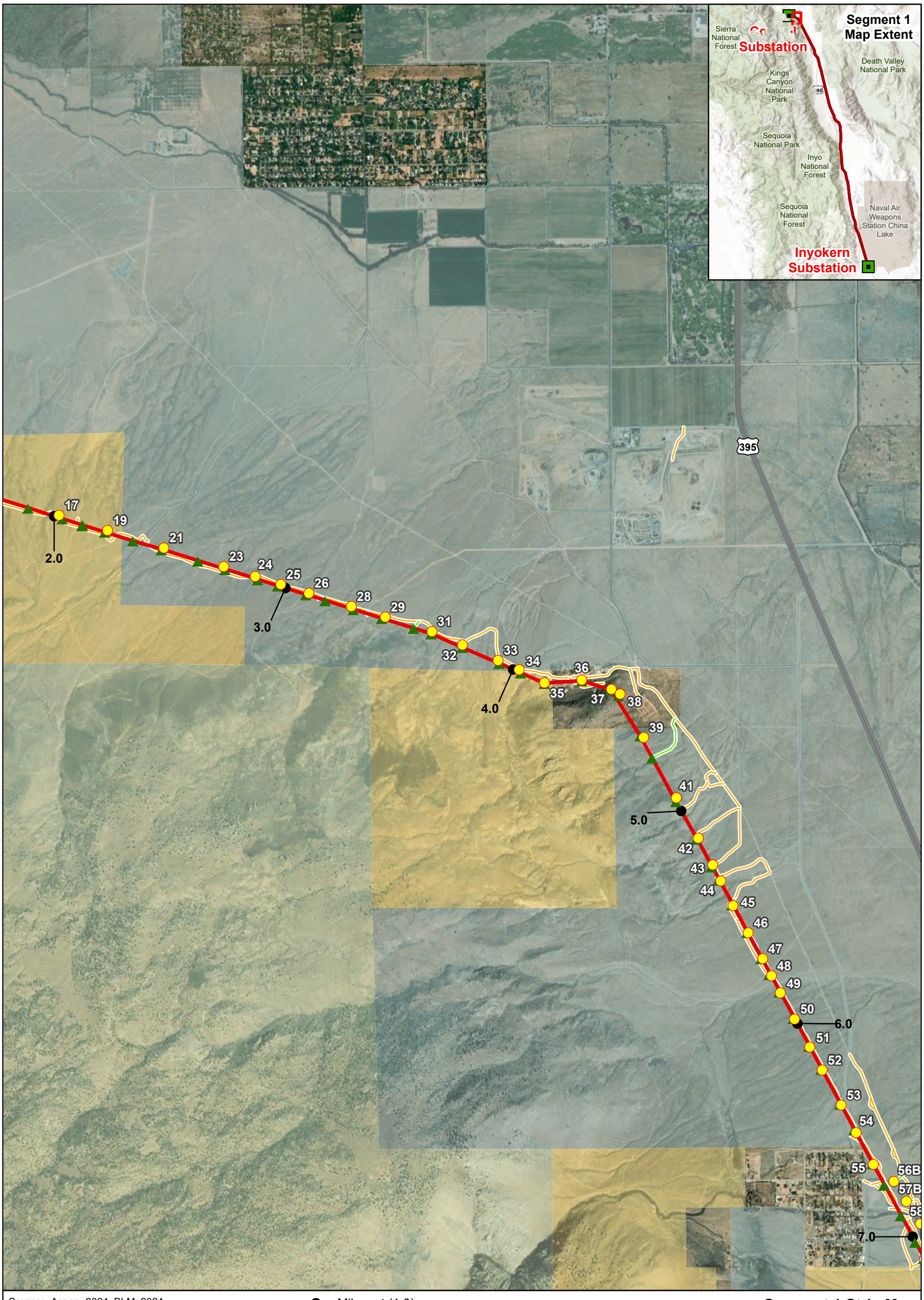
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National
Forest
Substation
Death Valley
National Park
Kings
Canyon
National
Park
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Sequoia
National Park
Inyo
National
Forest
Sequoia
National
Forest
Naval Air
Weapons
Station China
Lake
Inyokern
Substation
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Sources: Aspen, 2024; BLM, 2024;
ESRI, 2024; SCE, 2024.
Milepost (1.0)
Ivanpah-Control Proposed Project Segments
Segment 1: Control-Haiwee-Inyokern
Subtransmission Structures
Proposed New Structure
Structure to be Removed
Roads
Existing Access Road
New Access Road
Land Management/Ownership
Bureau of Land Management
LADWP and Local Government
USDA Forest Service
Segment 1 Strip Map
Sheet 2 of 26
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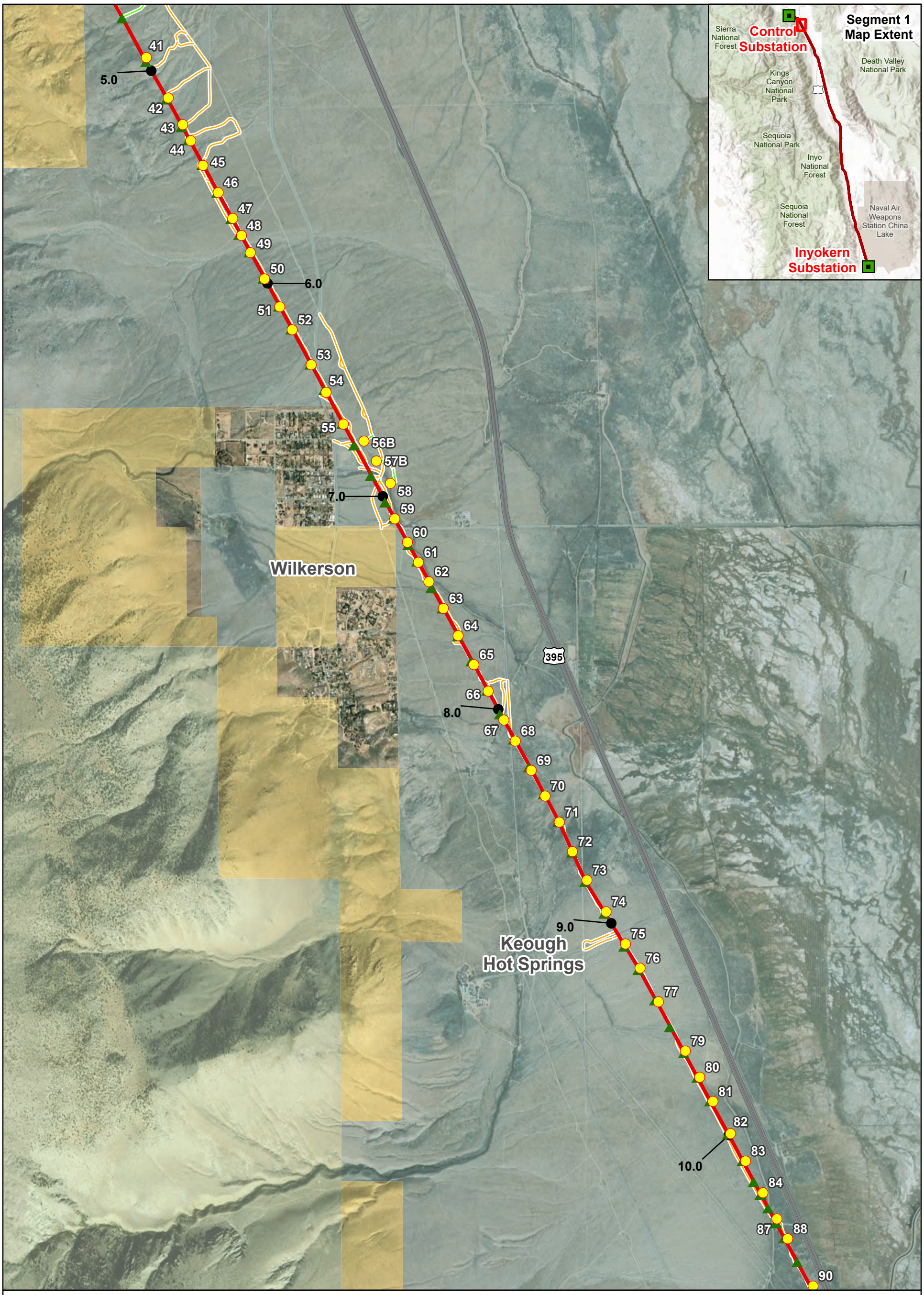

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Milepost (1.0)

Ivanpah-Control Proposed Project Segments

Segment 1: Control-Haiwee-Inyokern

Subtransmission Structures

Proposed New Structure

Structure to be Removed

Roads

Existing Access Road

New Access Road

Land Management/Ownership

Bureau of Land Management

LADWP and Local Government

USDA Forest Service

Segment 1 Strip Map

Sheet 3 of 26

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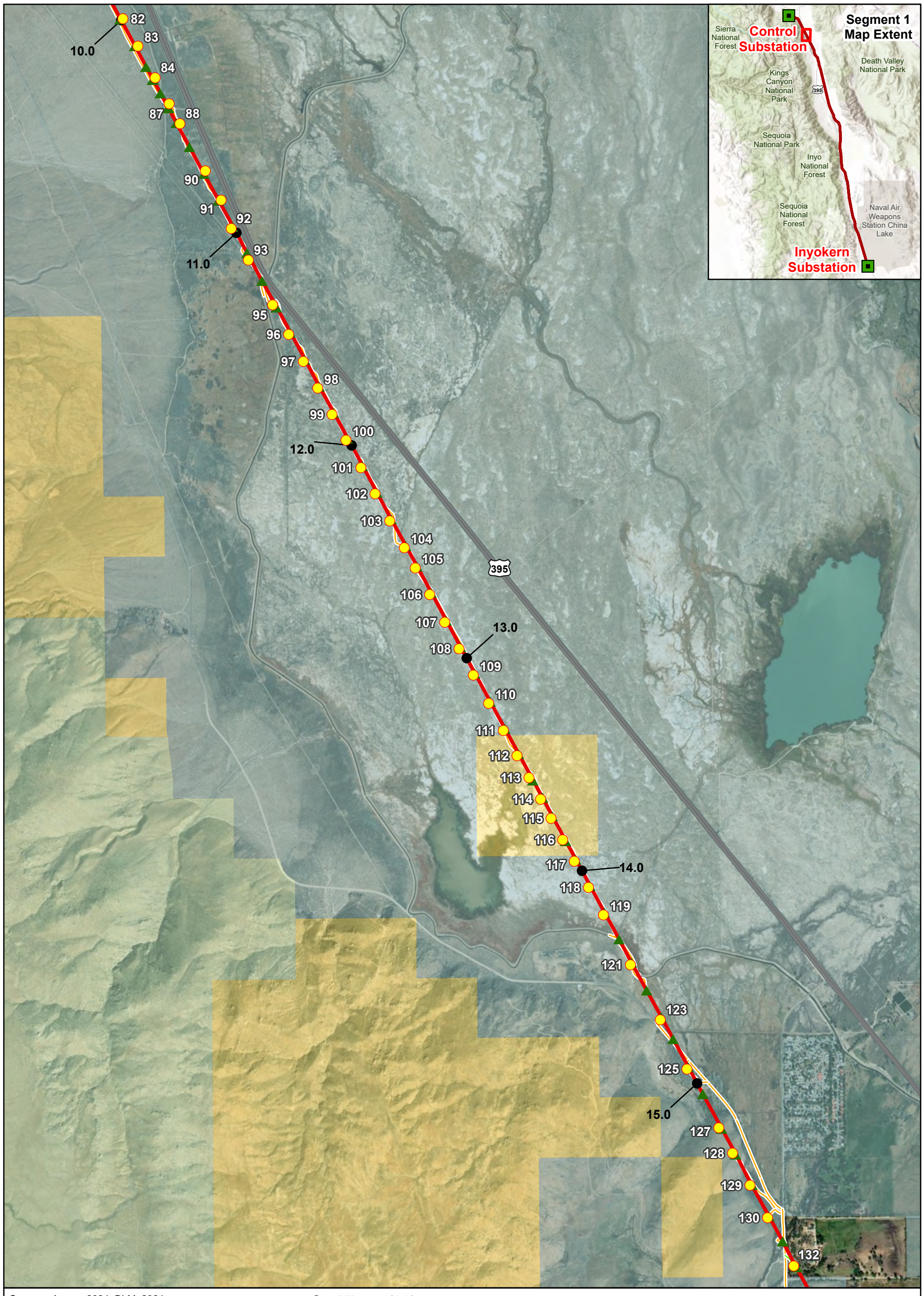

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Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
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- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- USDA Forest Service

Segment 1 Strip Map

Sheet 4 of 26

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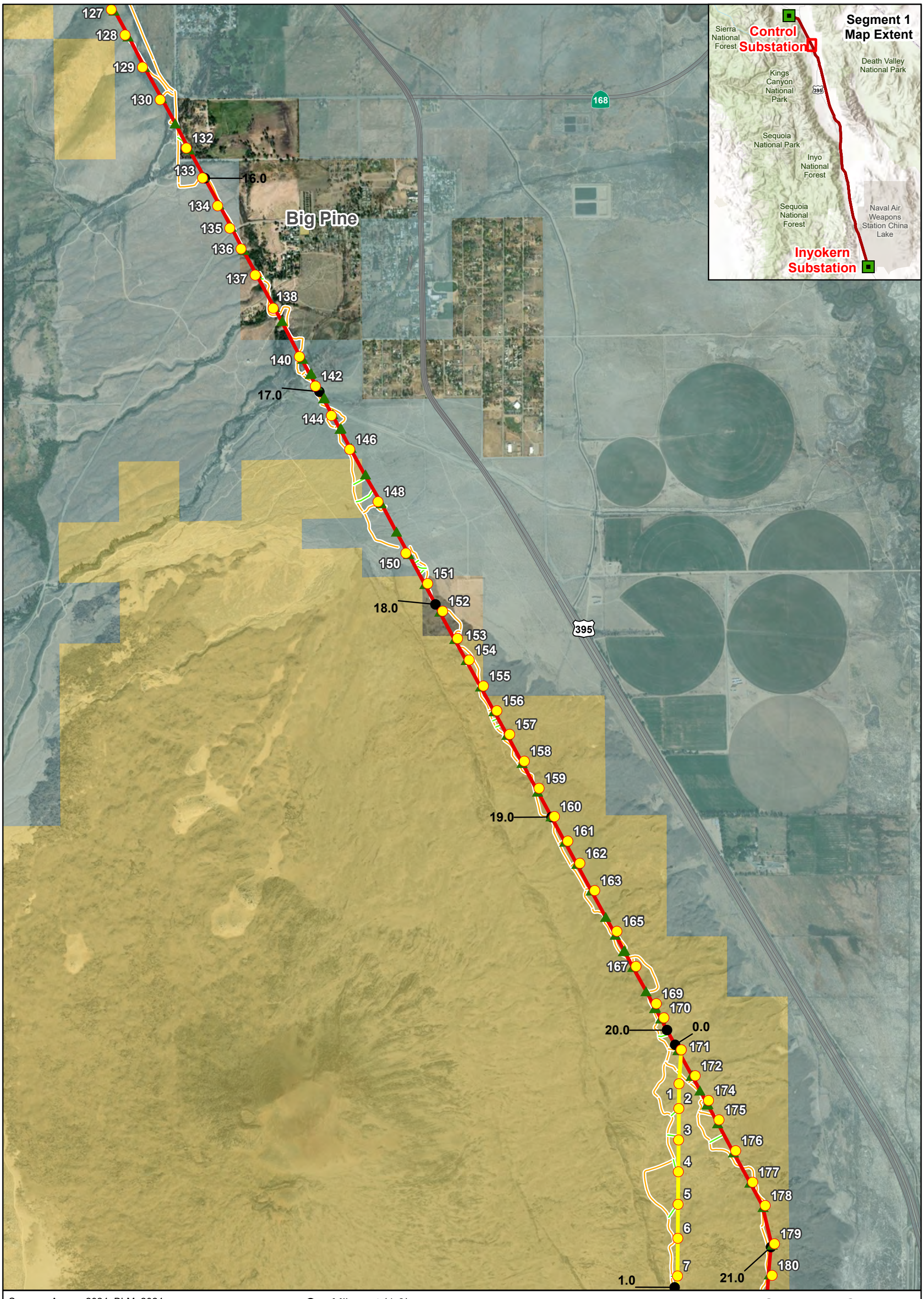

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Crater Mountain Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Segment 1 Strip Map

Sheet 5 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

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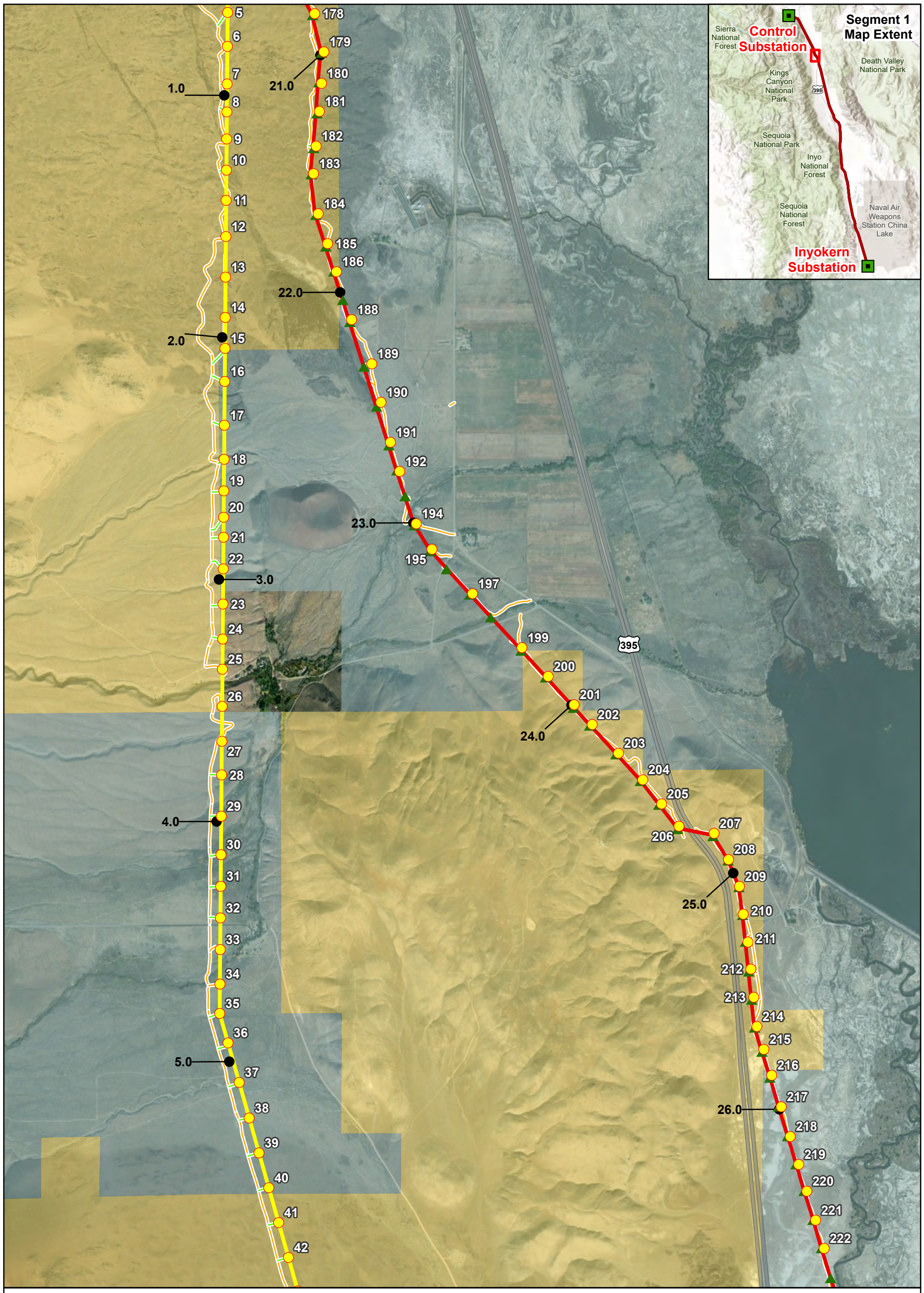

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

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Ivanpah-Control Project Alternatives
- Crater Mountain Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

Segment 1 Strip Map

Sheet 6 of 26

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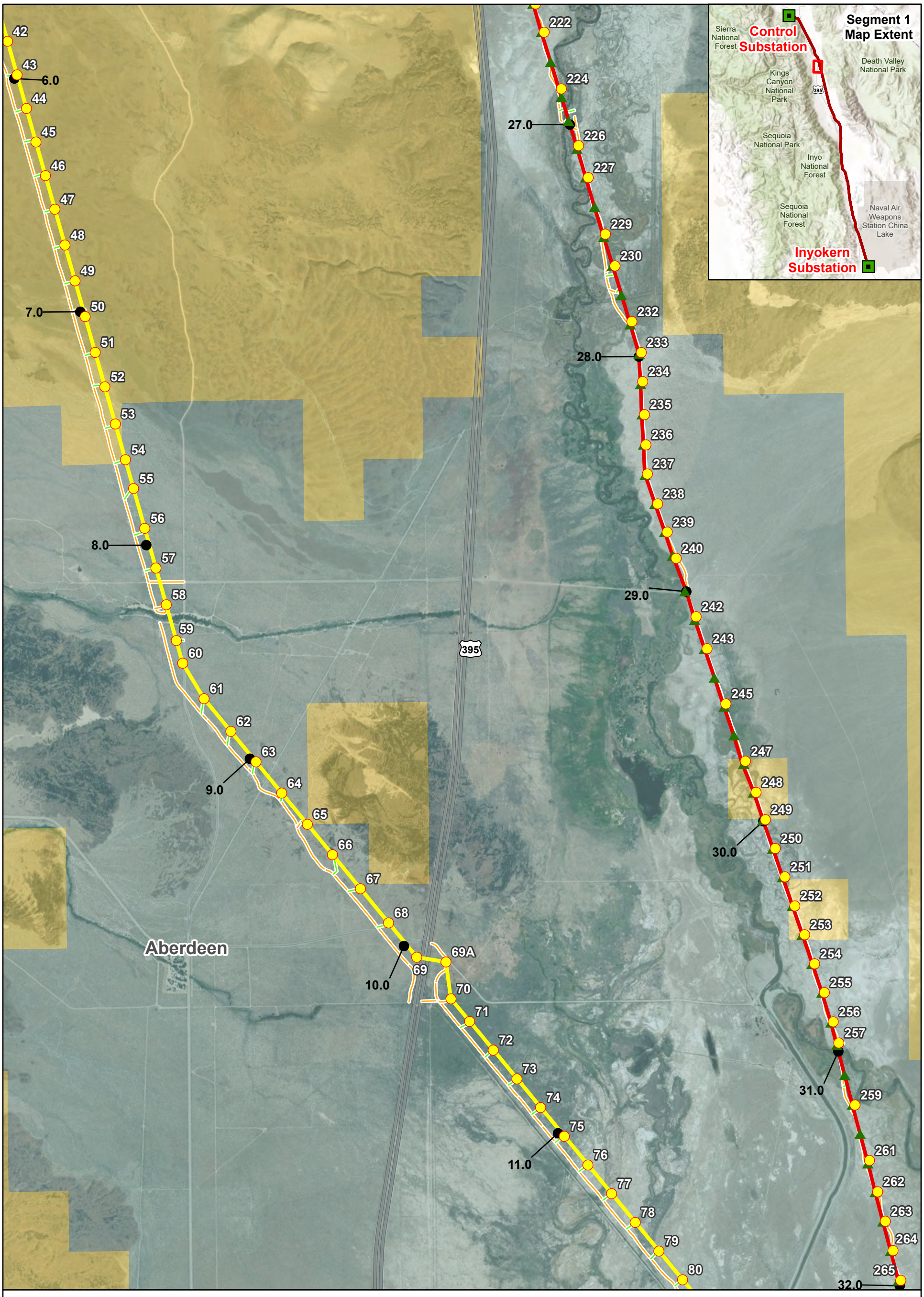

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Crater Mountain Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

Segment 1 Strip Map

Sheet 7 of 26

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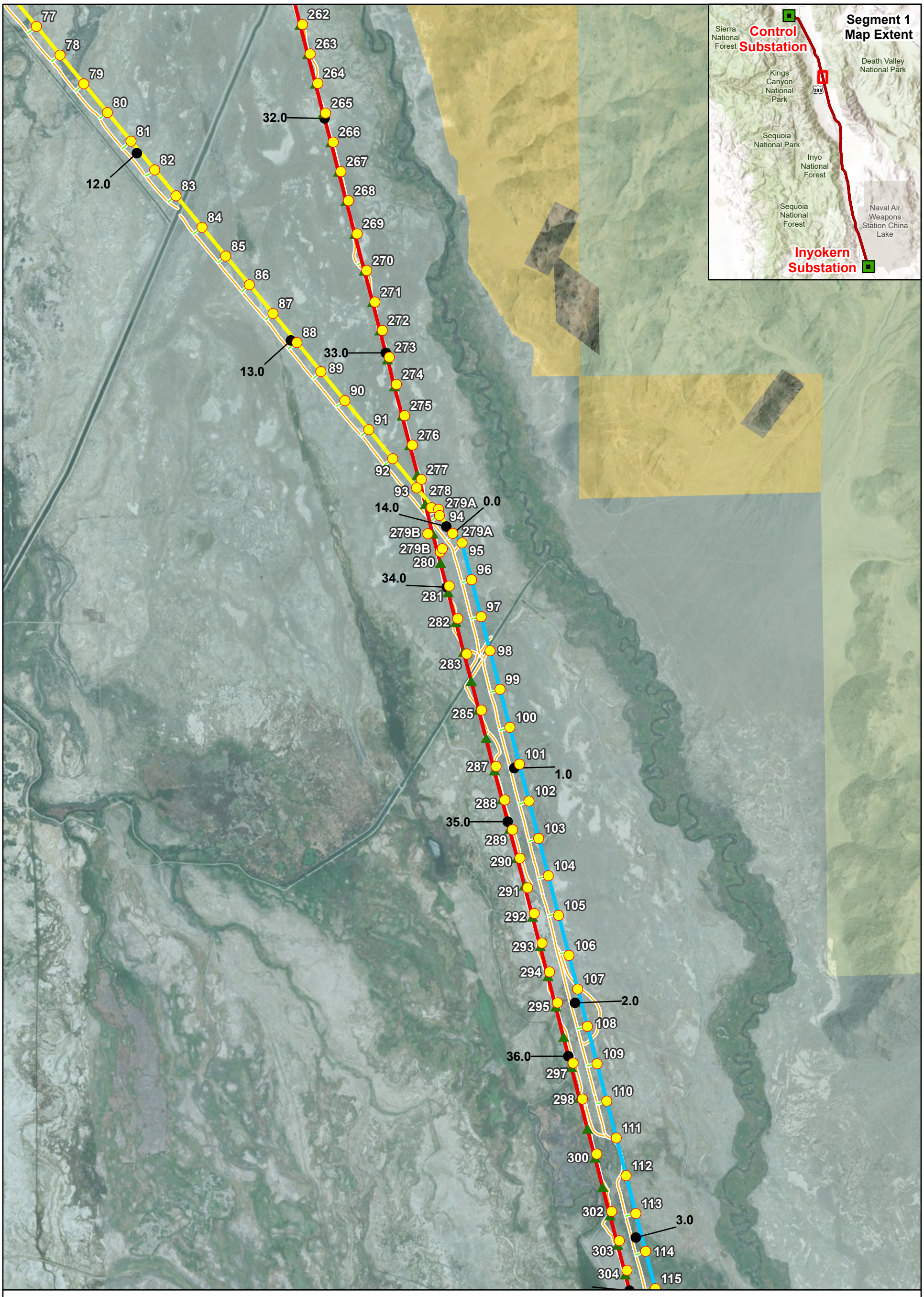

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Crater Mountain Realignment Alternative
- Manzanar Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- USDA Forest Service

Segment 1 Strip Map

Sheet 8 of 26

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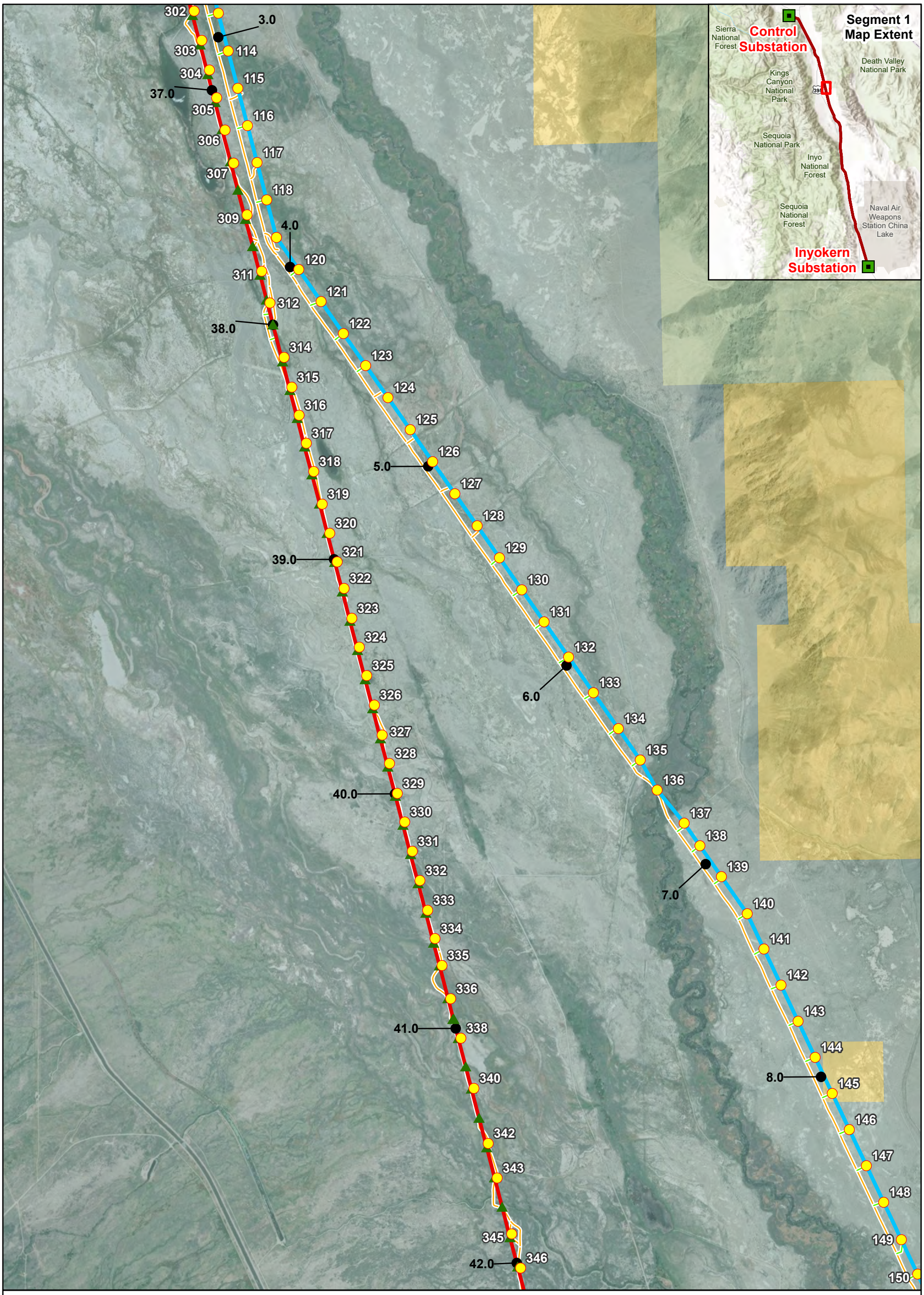

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Manzanar Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Segment 1 Strip Map

Sheet 9 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- USDA Forest Service

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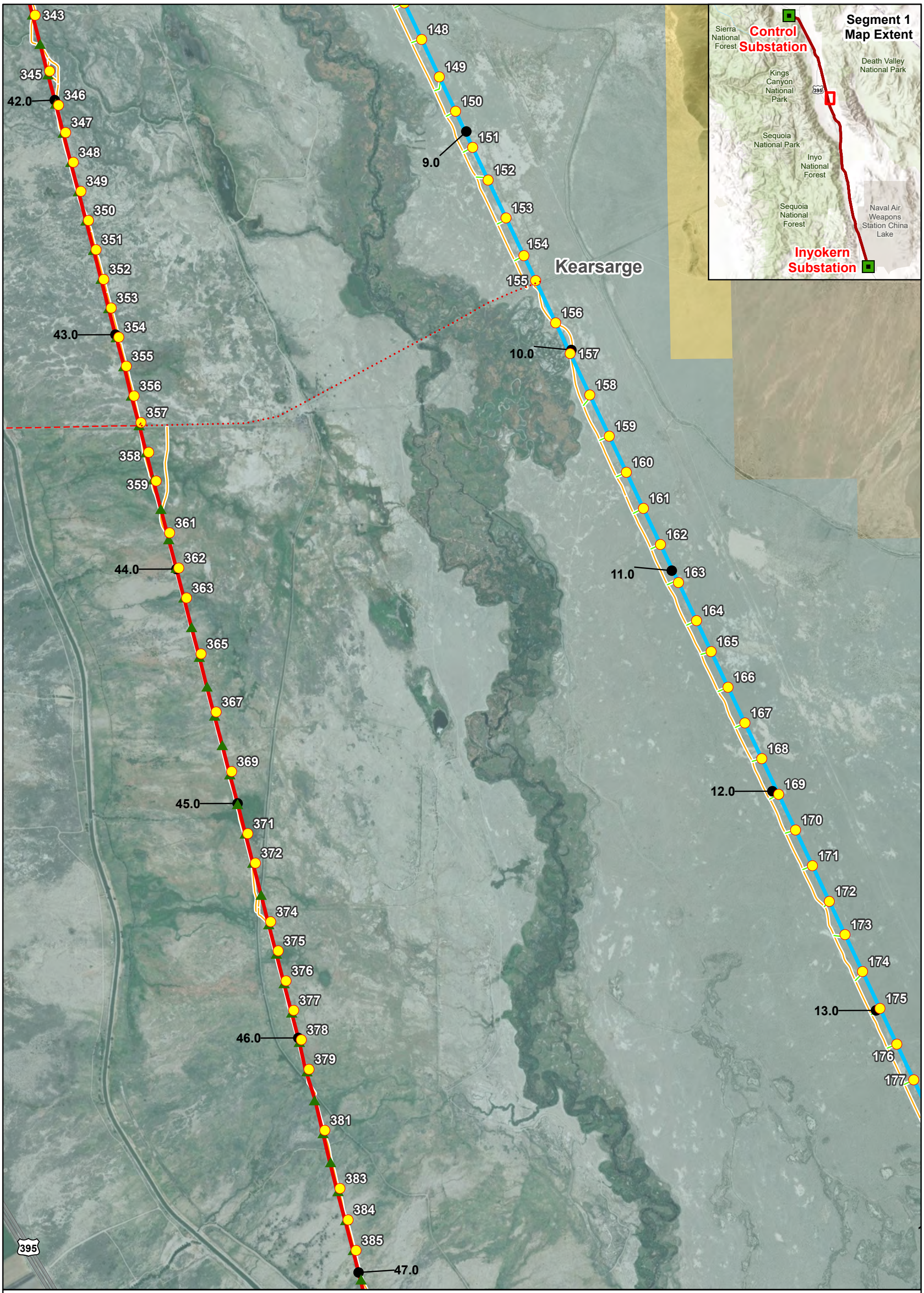

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Independence Telecommunications Tap
- Independence Telecommunications Tap: Alternative

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Manzanar Realignment Alternative

Roads
- Existing Access Road

Segment 1 Strip Map

Sheet 10 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

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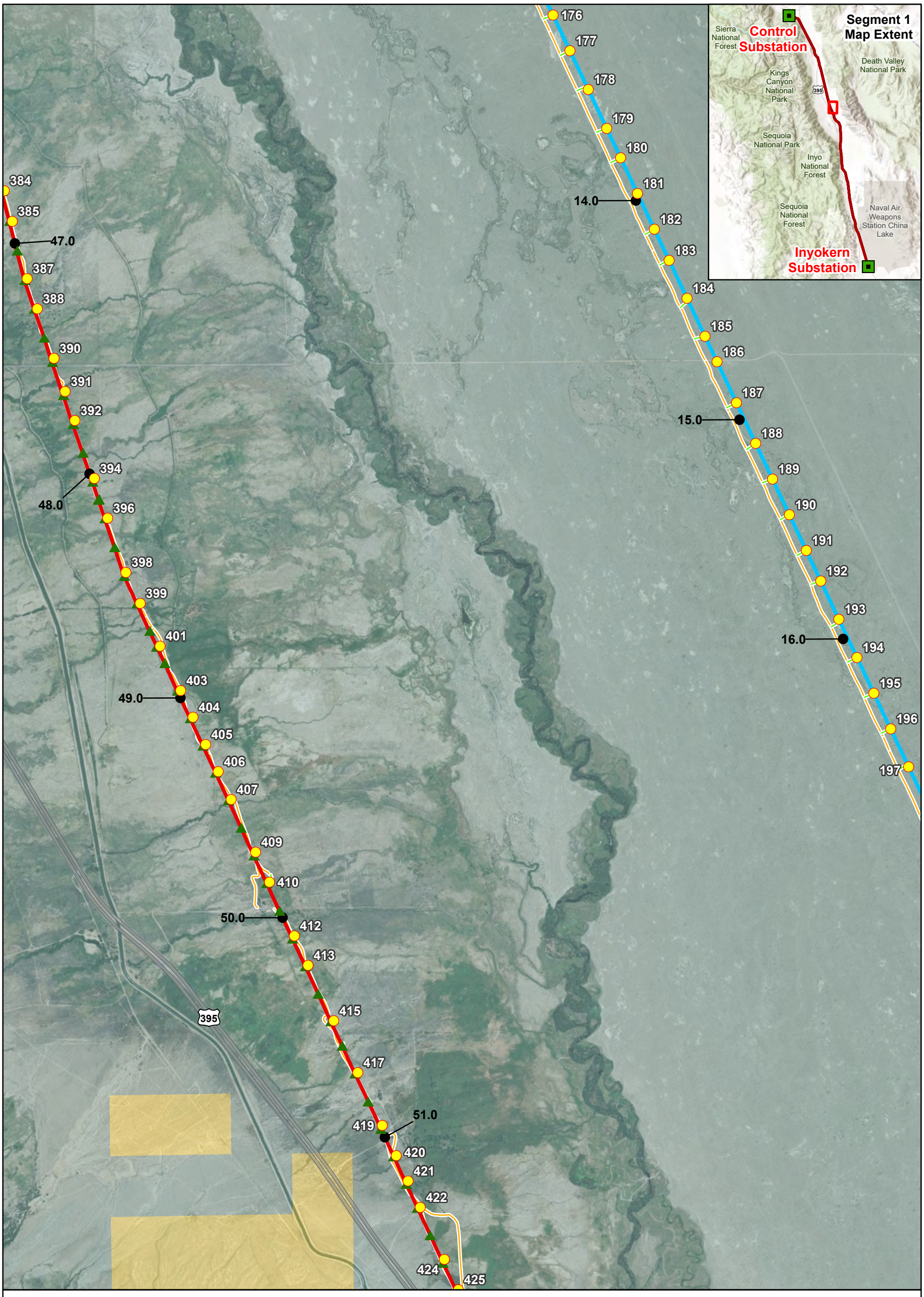

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Manzanar Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Segment 1 Strip Map

Sheet 11 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

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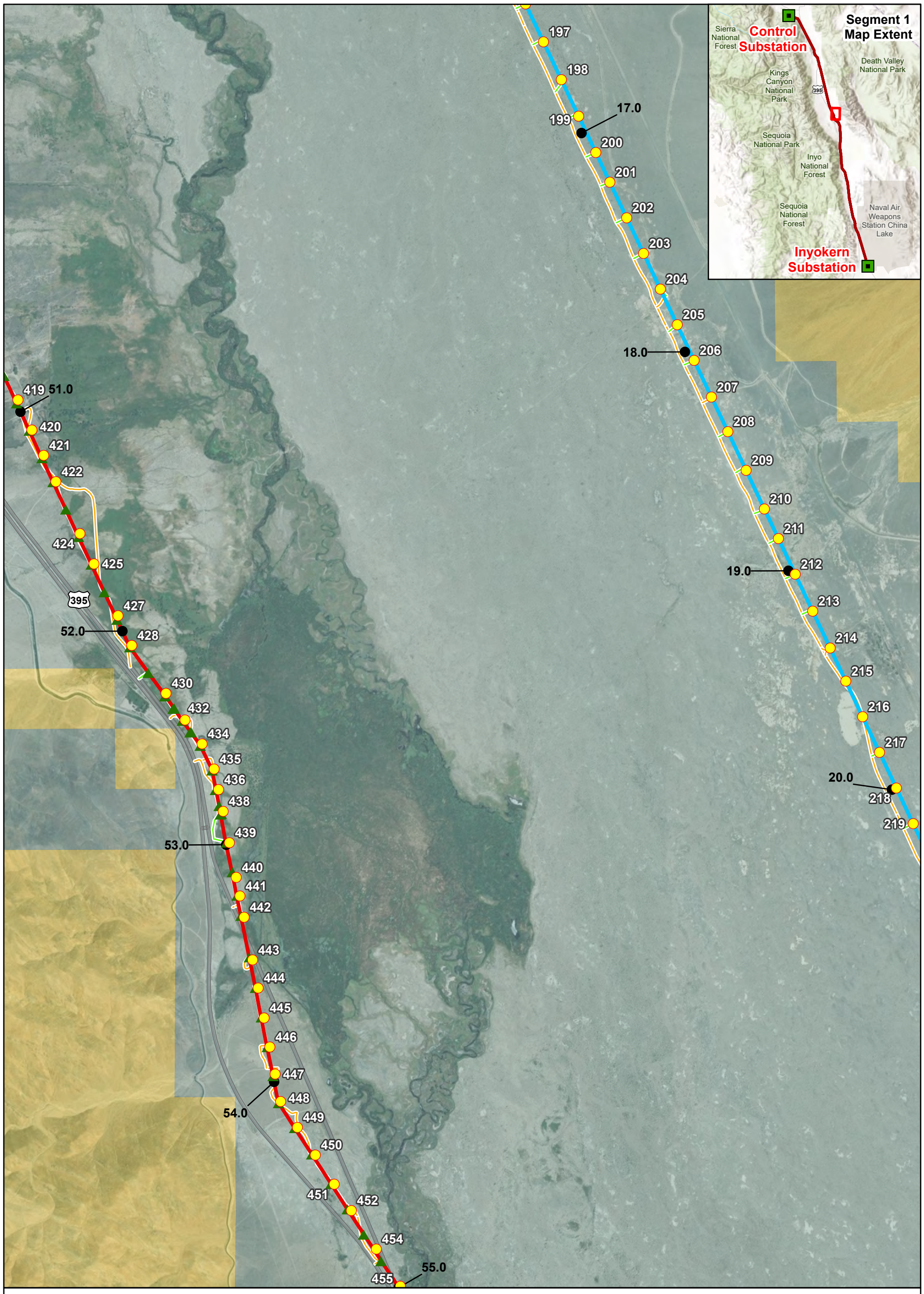

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Manzanar Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

Segment 1 Strip Map

Sheet 12 of 26

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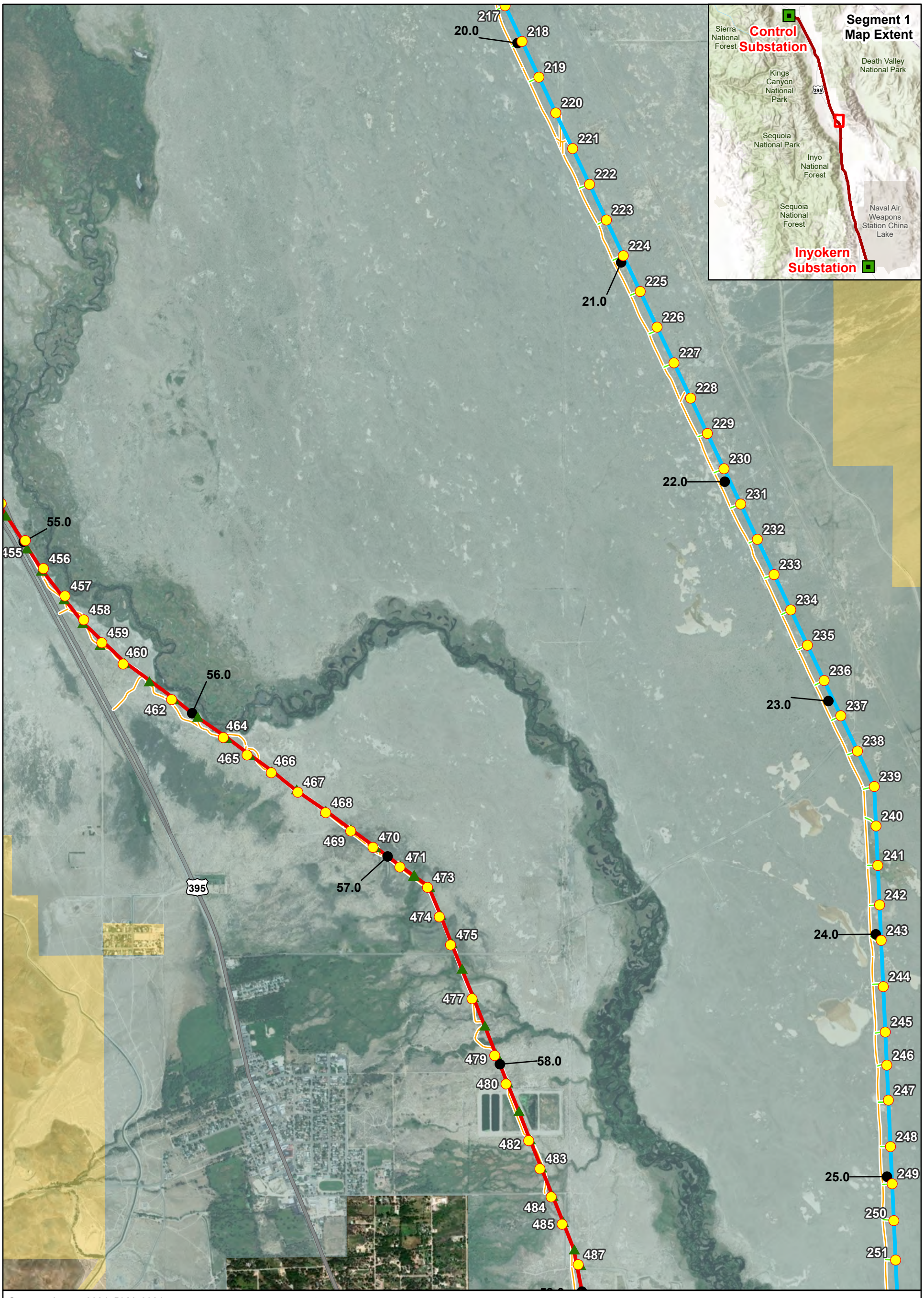

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Manzanar Realignment Alternative

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

Segment 1 Strip Map

Sheet 13 of 26

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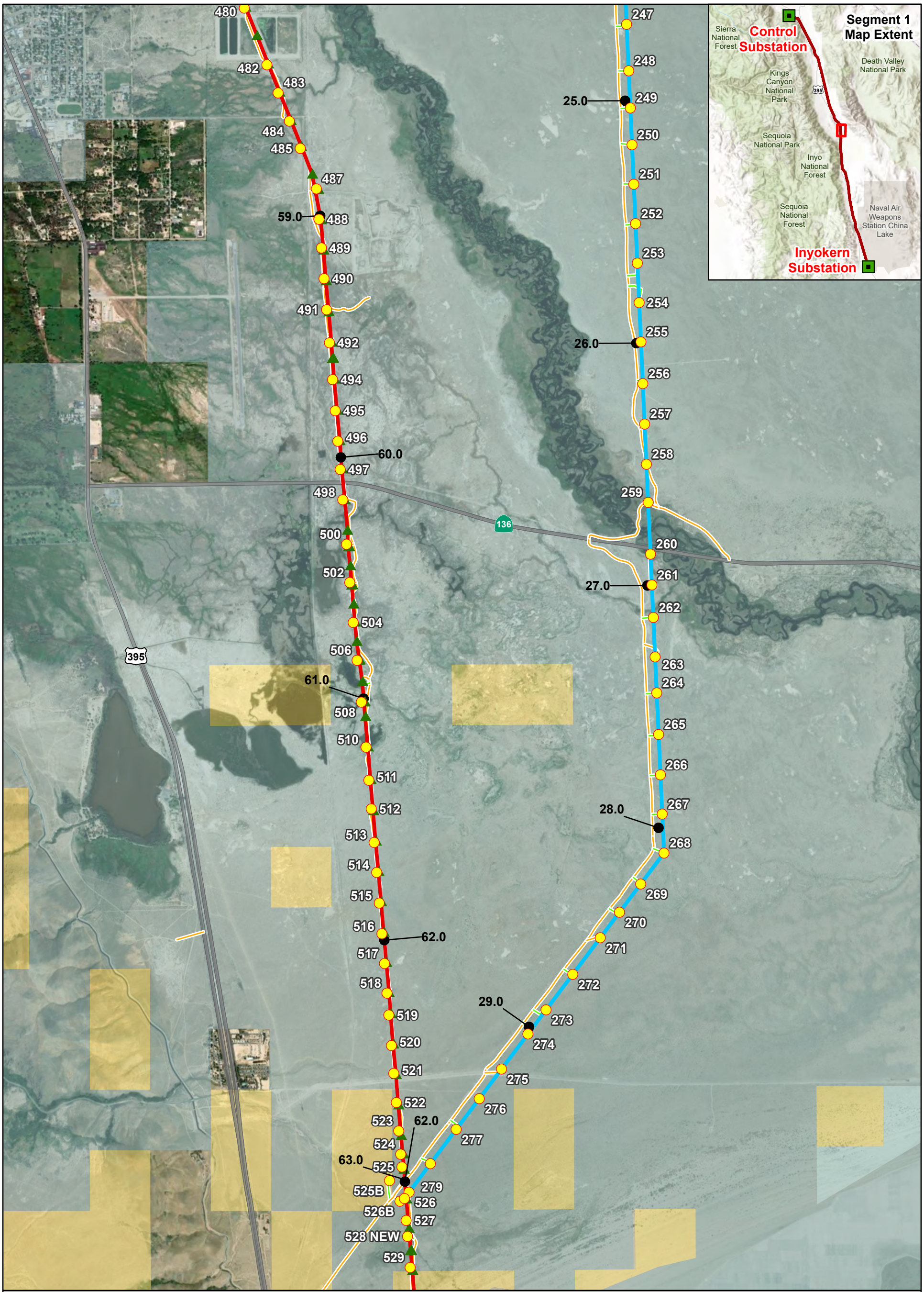

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Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Manzanar Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Segment 1 Strip Map

Sheet 14 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- State

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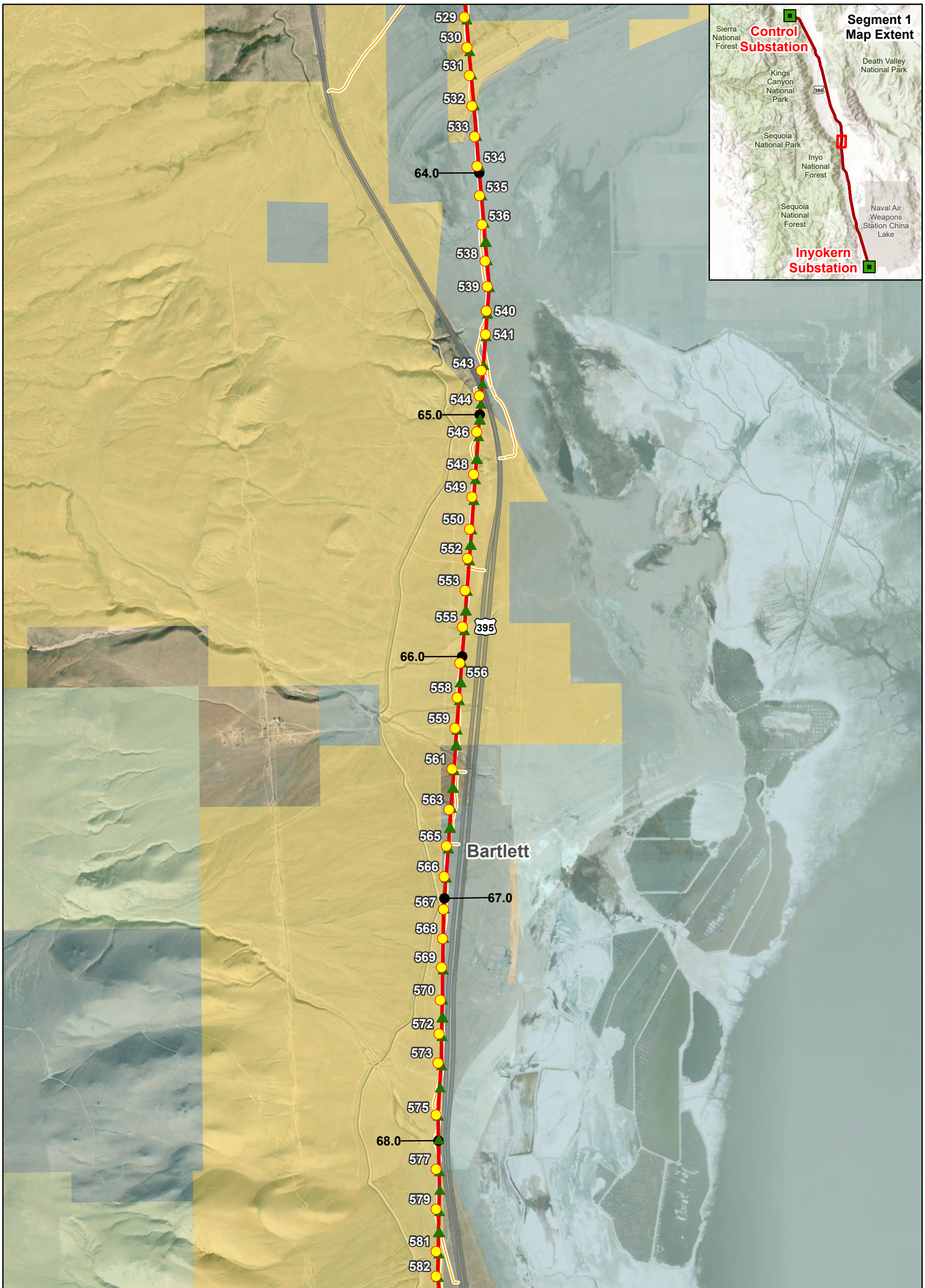

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Roads
- Existing Access Road

Segment 1 Strip Map

Sheet 15 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- State
- USDA Forest Service

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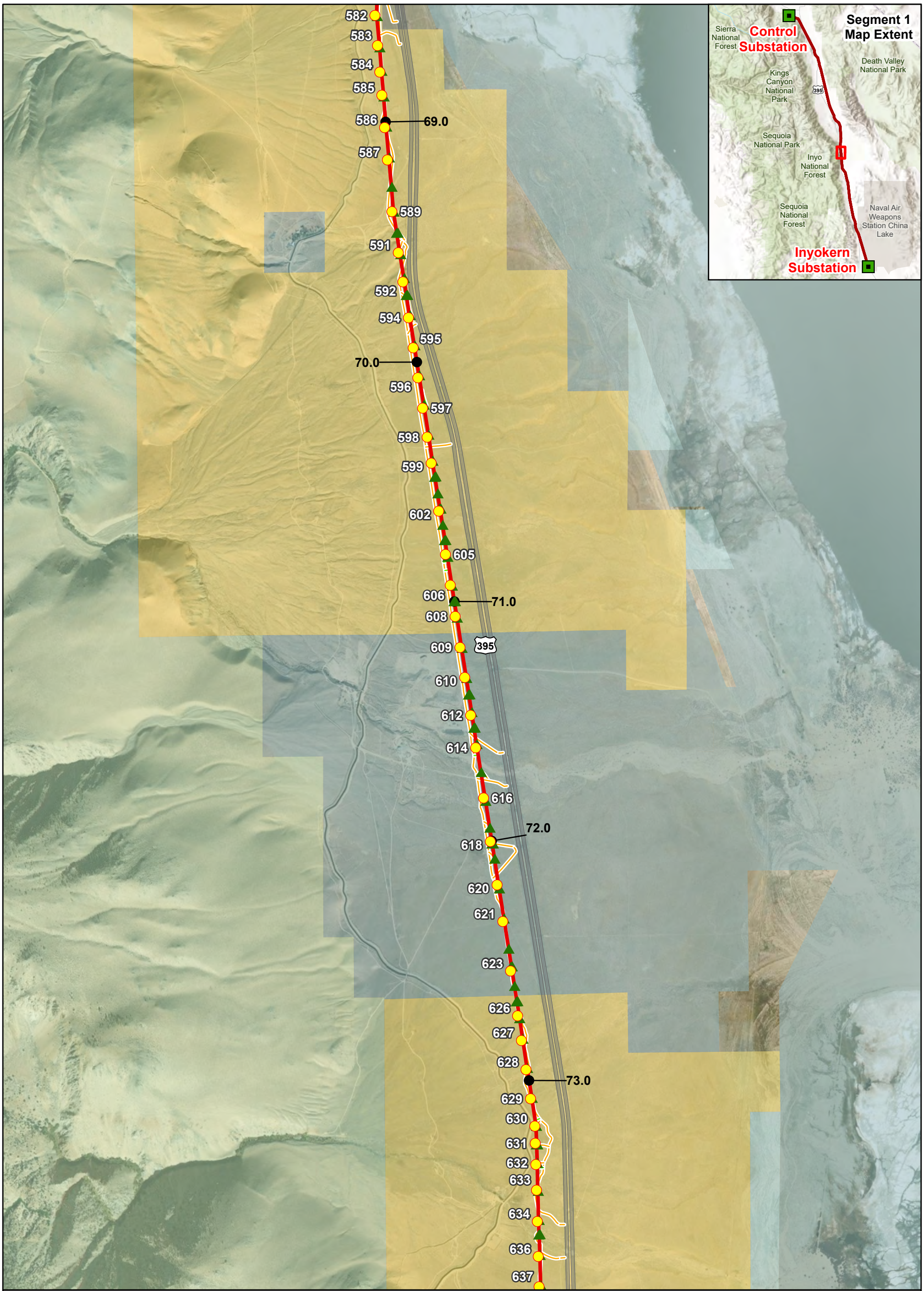

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Roads
- Existing Access Road
- New Access Road

Segment 1 Strip Map

Sheet 16 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- State
- USDA Forest Service

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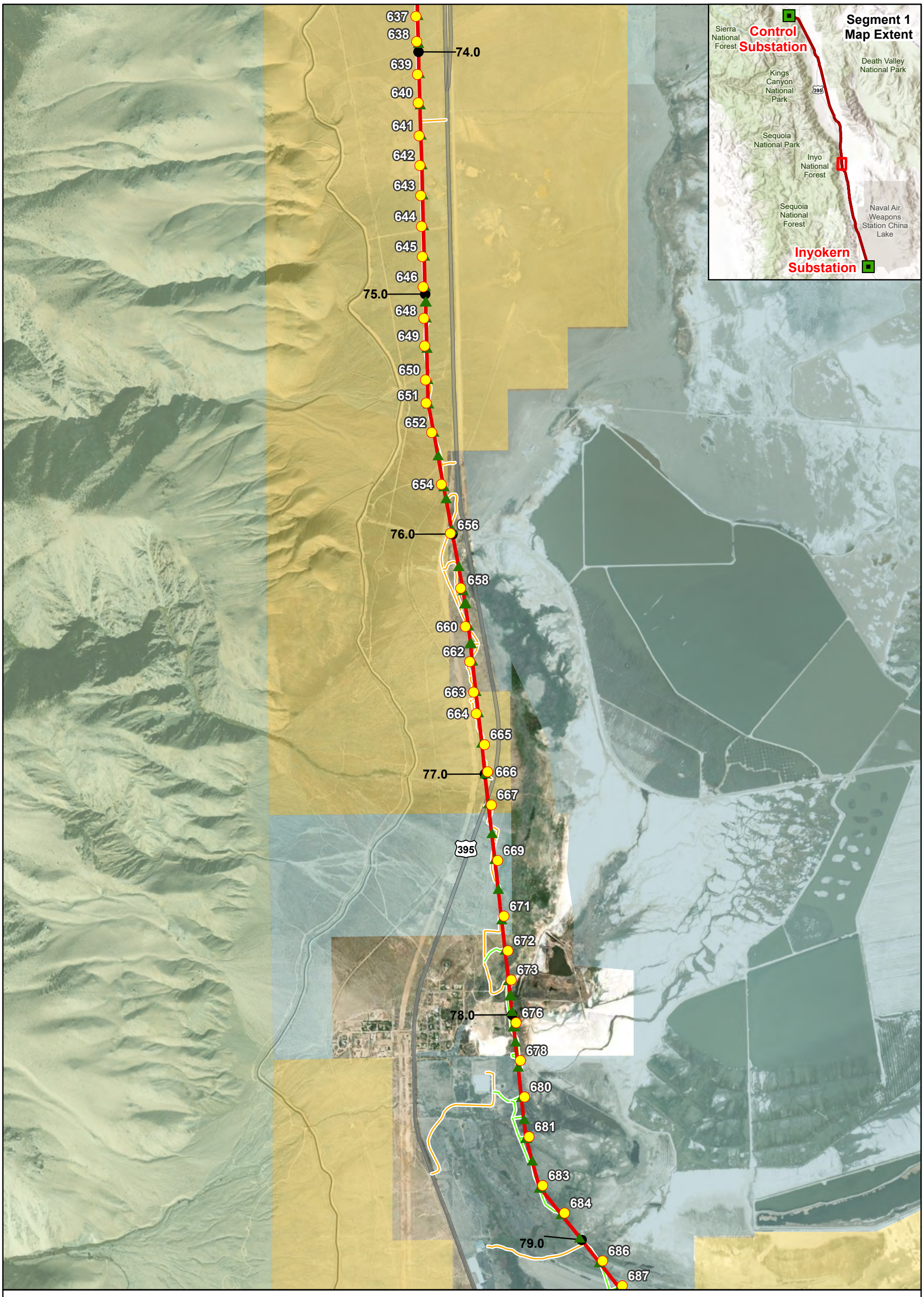

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Roads
- Existing Access Road
- New Access Road

Segment 1 Strip Map

Sheet 17 of 26

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- State
- USDA Forest Service

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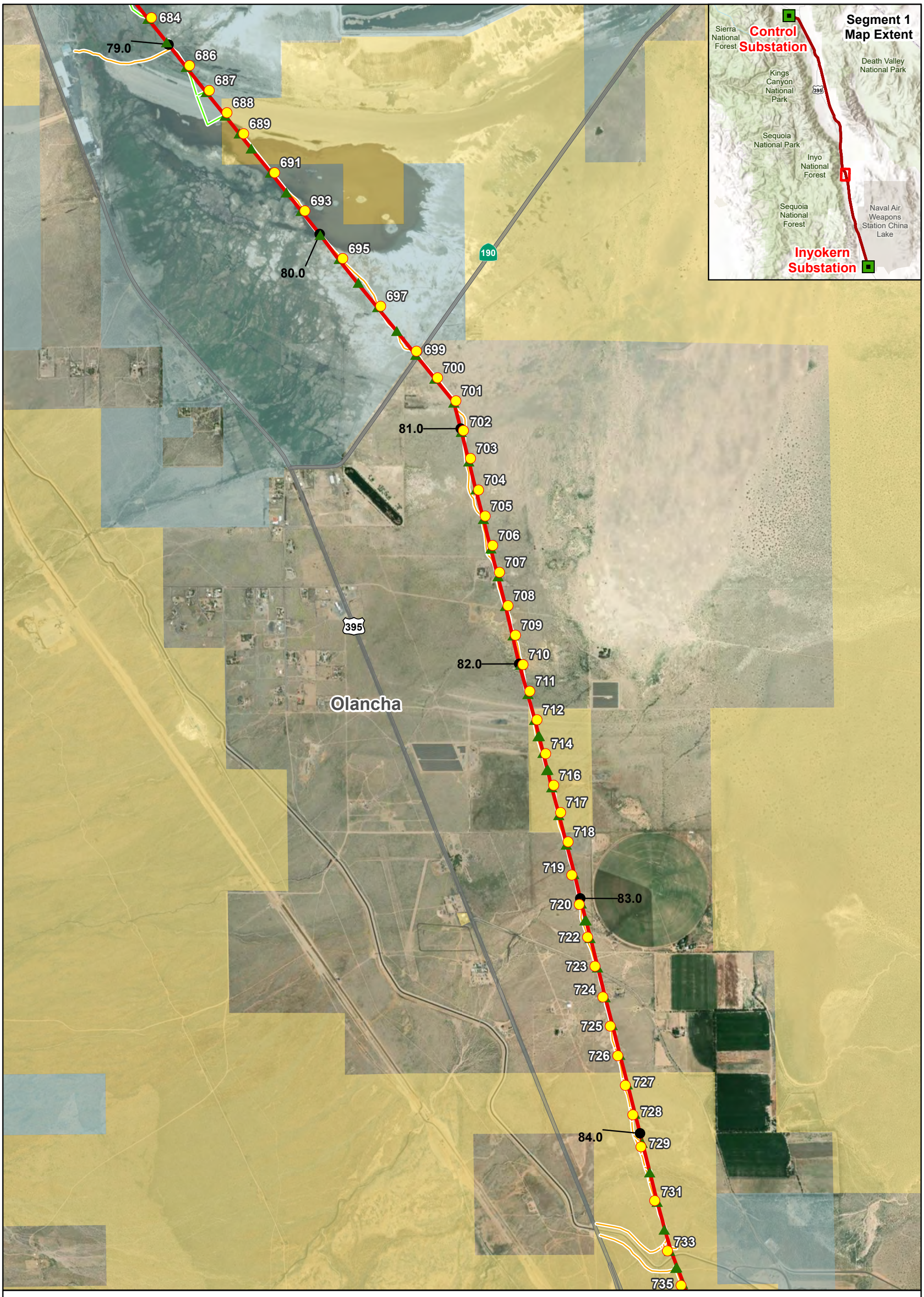

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- State

Segment 1 Strip Map

Sheet 18 of 26

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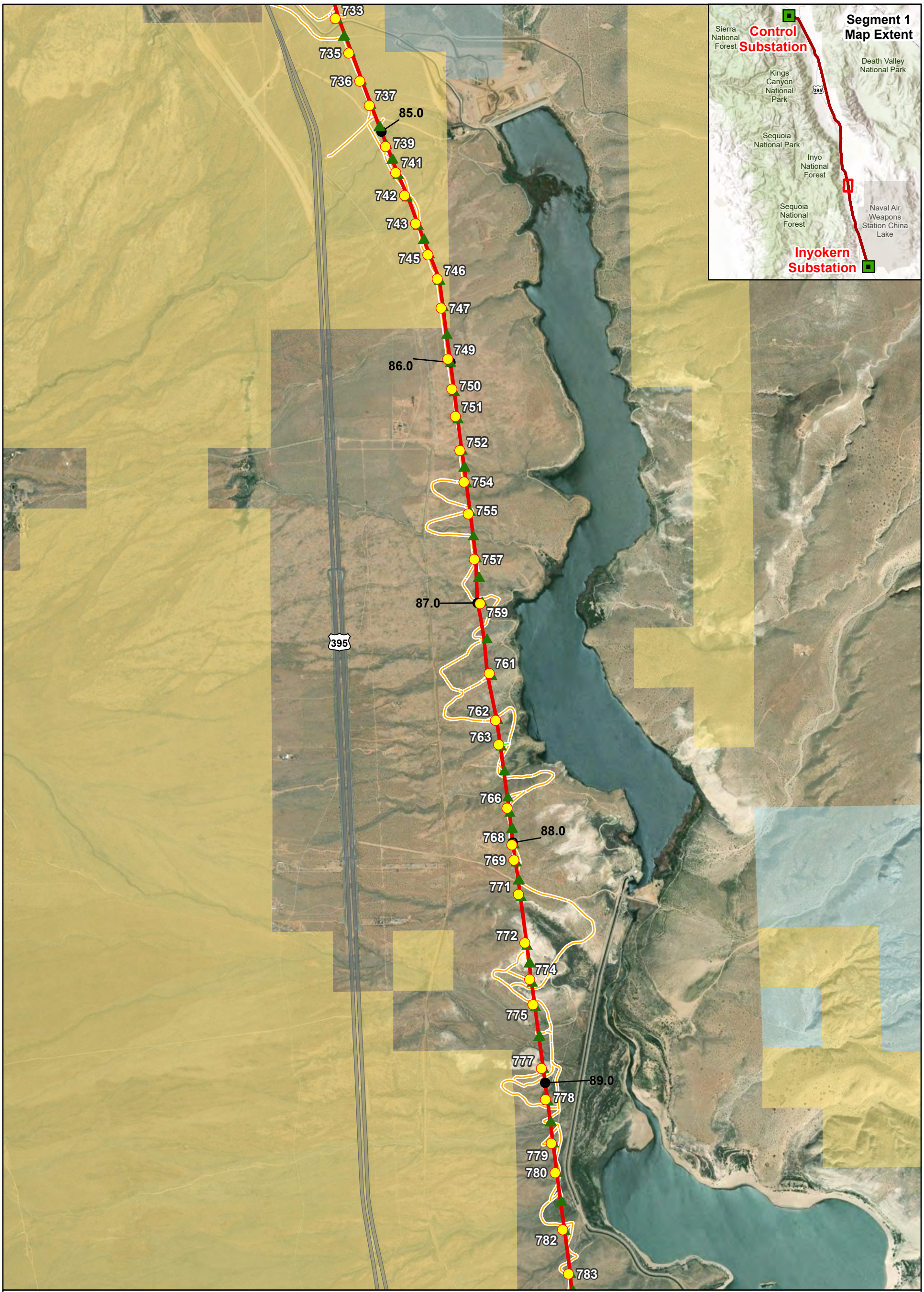
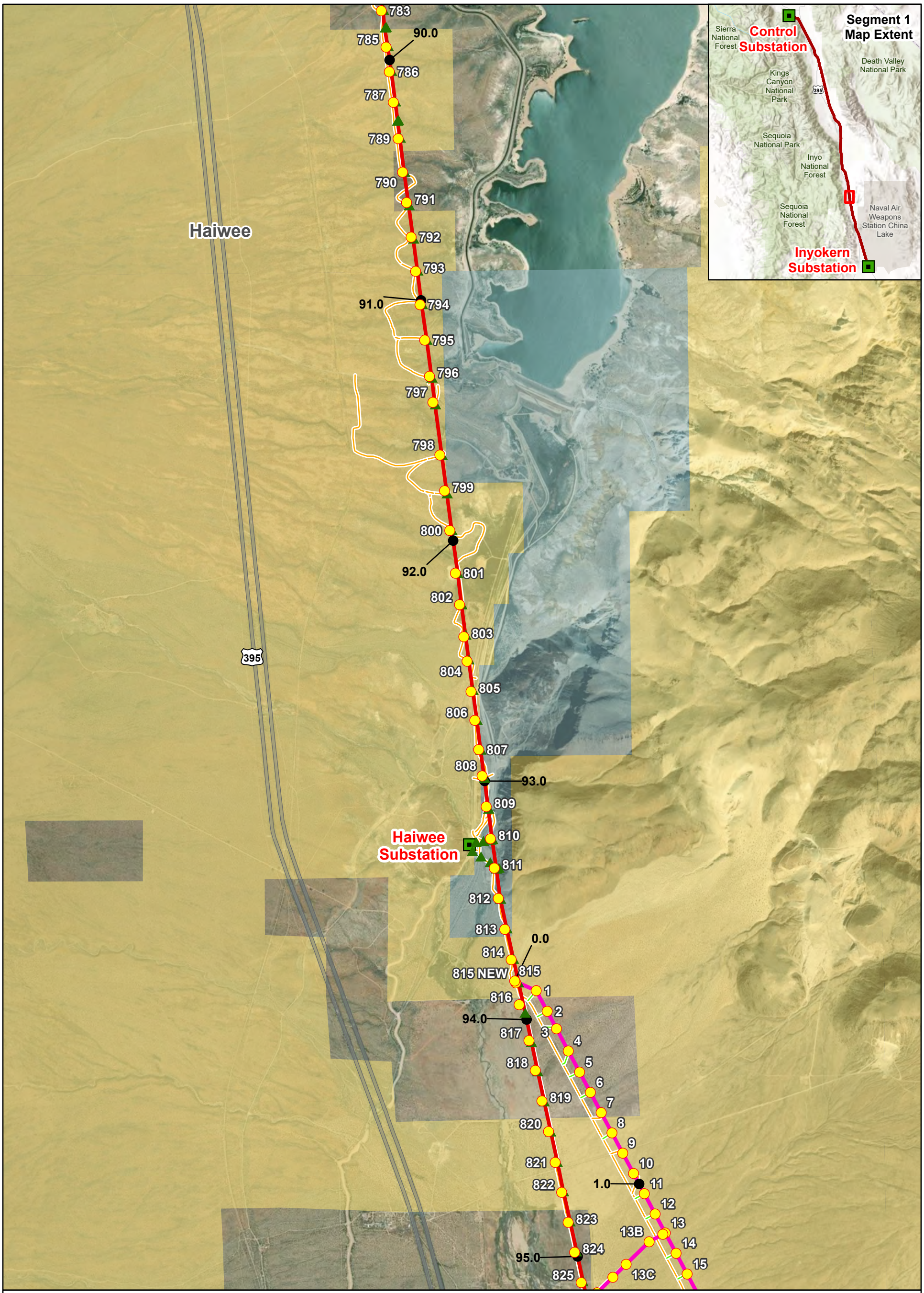


Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 1 Strip Map

Sheet 19 of 26



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Fossil Falls Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government

Segment 1 Strip Map

Sheet 20 of 26

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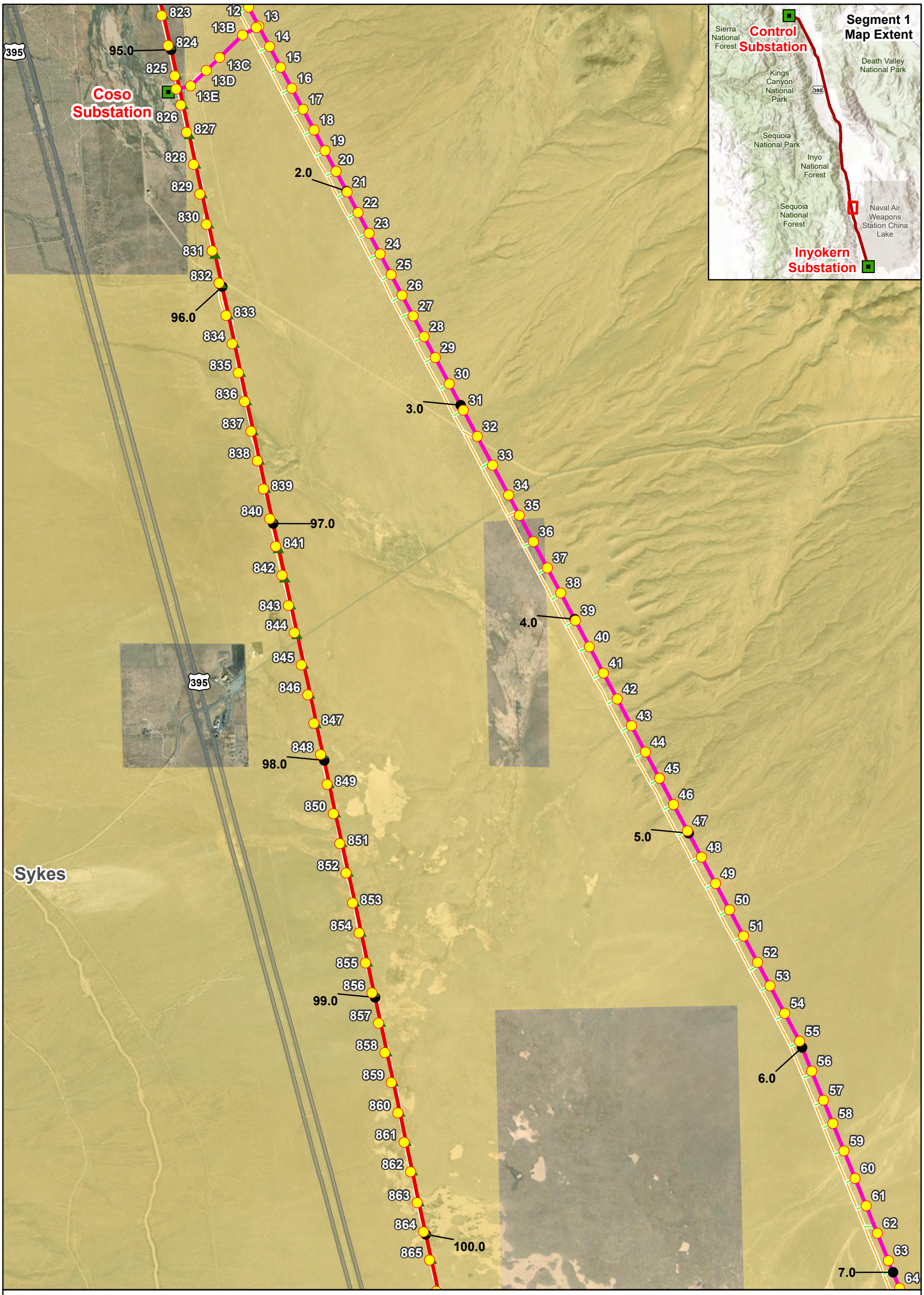

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Fossil Falls Realignment Alternative

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management

Segment 1 Strip Map

Sheet 21 of 26

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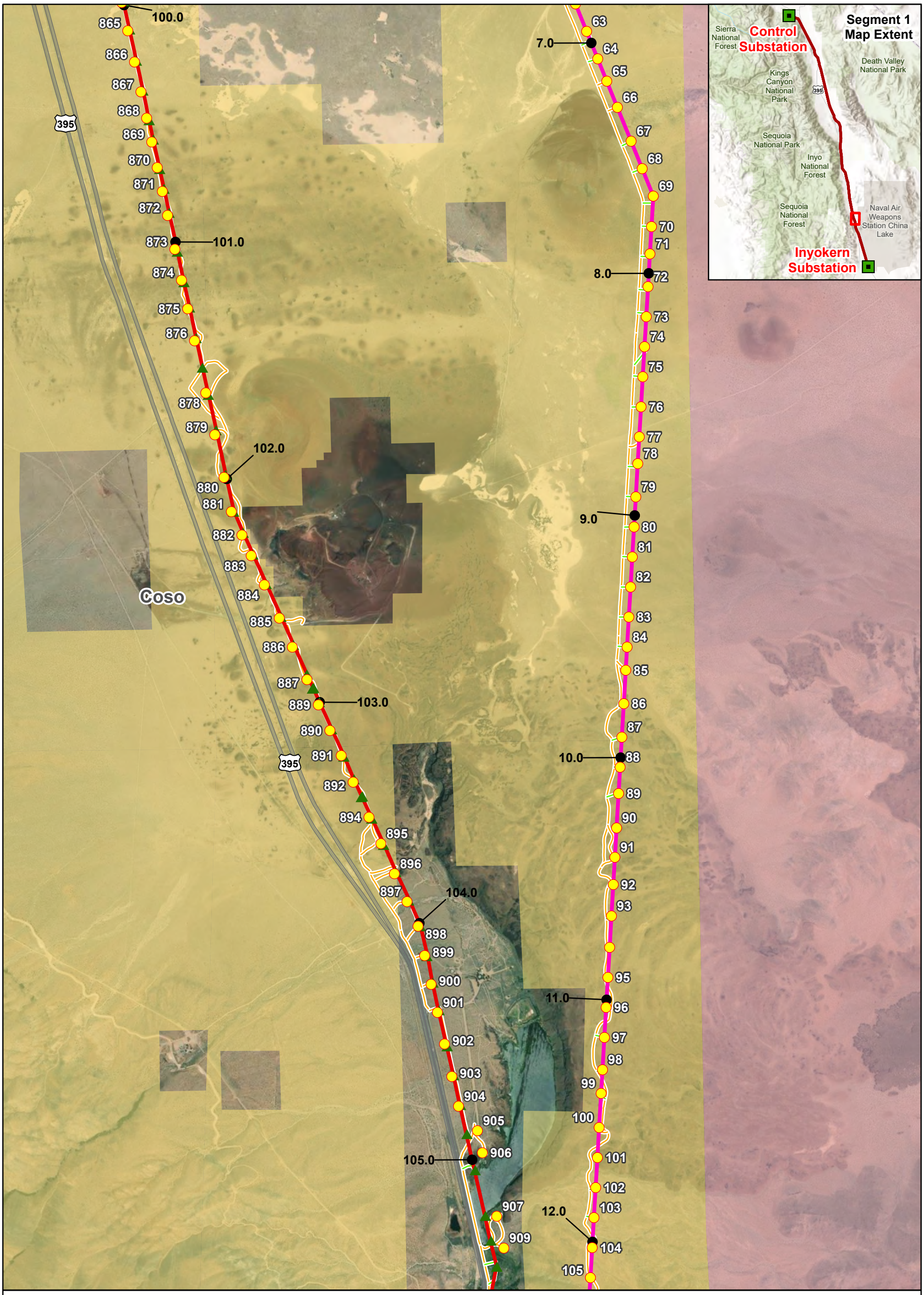

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
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- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Ivanpah-Control Project Alternatives
- Fossil Falls Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- Military

Segment 1 Strip Map

Sheet 22 of 26

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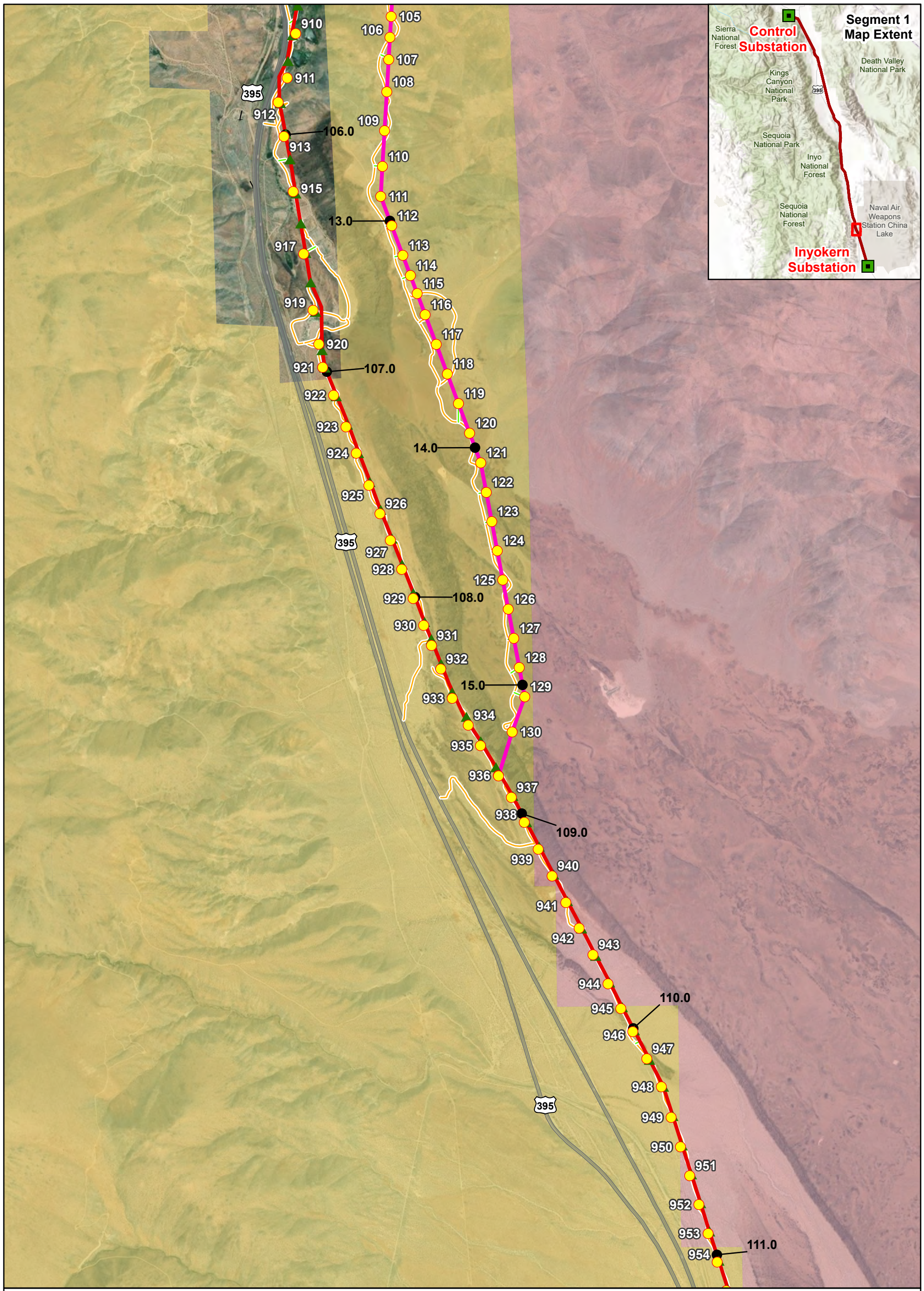

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

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- Structure to be Removed

Milepost (1.0)

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Ivanpah-Control Project Alternatives
- Fossil Falls Realignment Alternative

Roads
- Existing Access Road
- New Access Road

Land Management/Ownership
- Bureau of Land Management
- Military

Segment 1 Strip Map

Sheet 23 of 26

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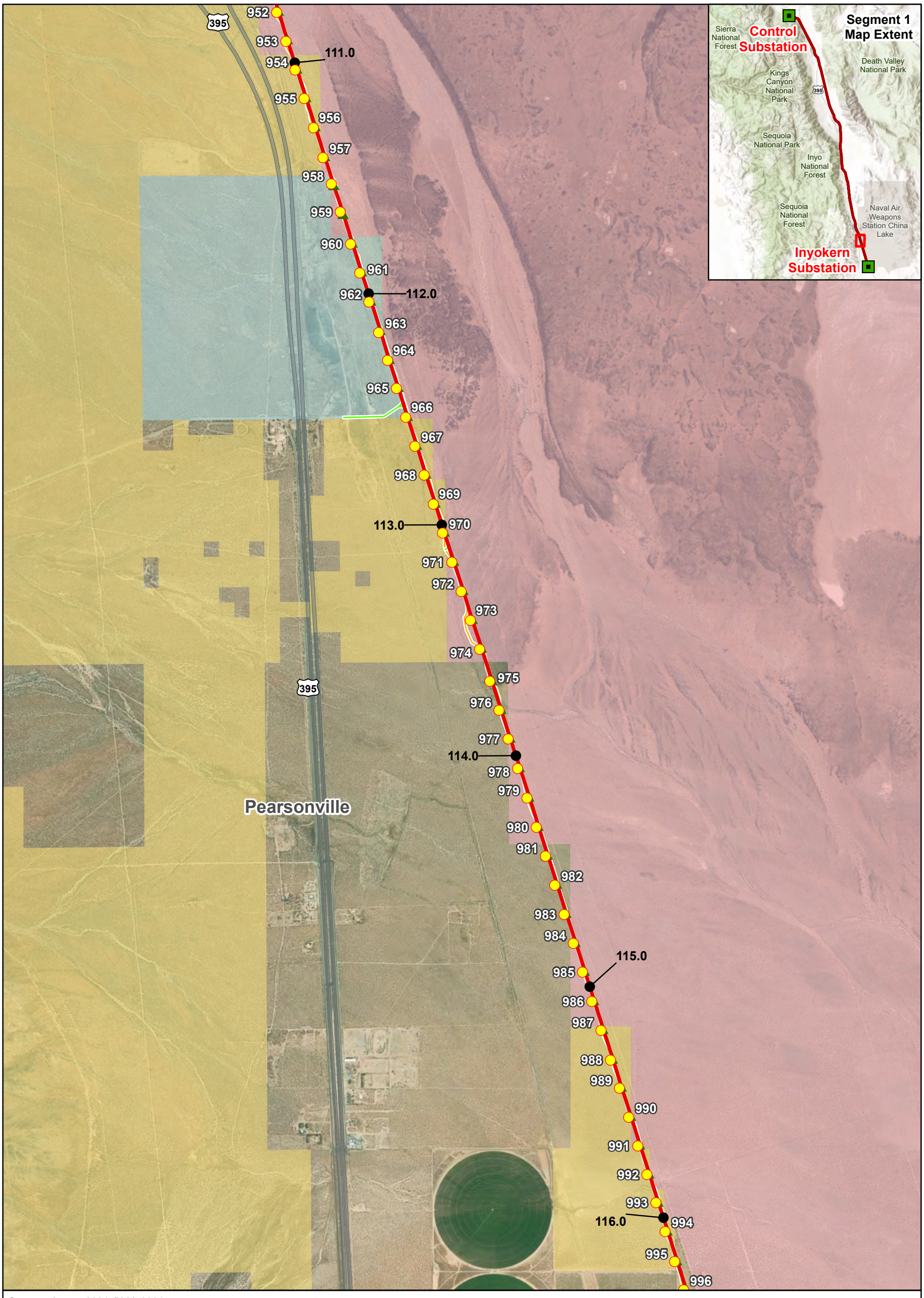

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

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- Structure to be Removed

Milepost (1.0)

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Roads
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- New Access Road

Land Management/Ownership
- Bureau of Land Management
- Military
- State

Segment 1 Strip Map

Sheet 24 of 26

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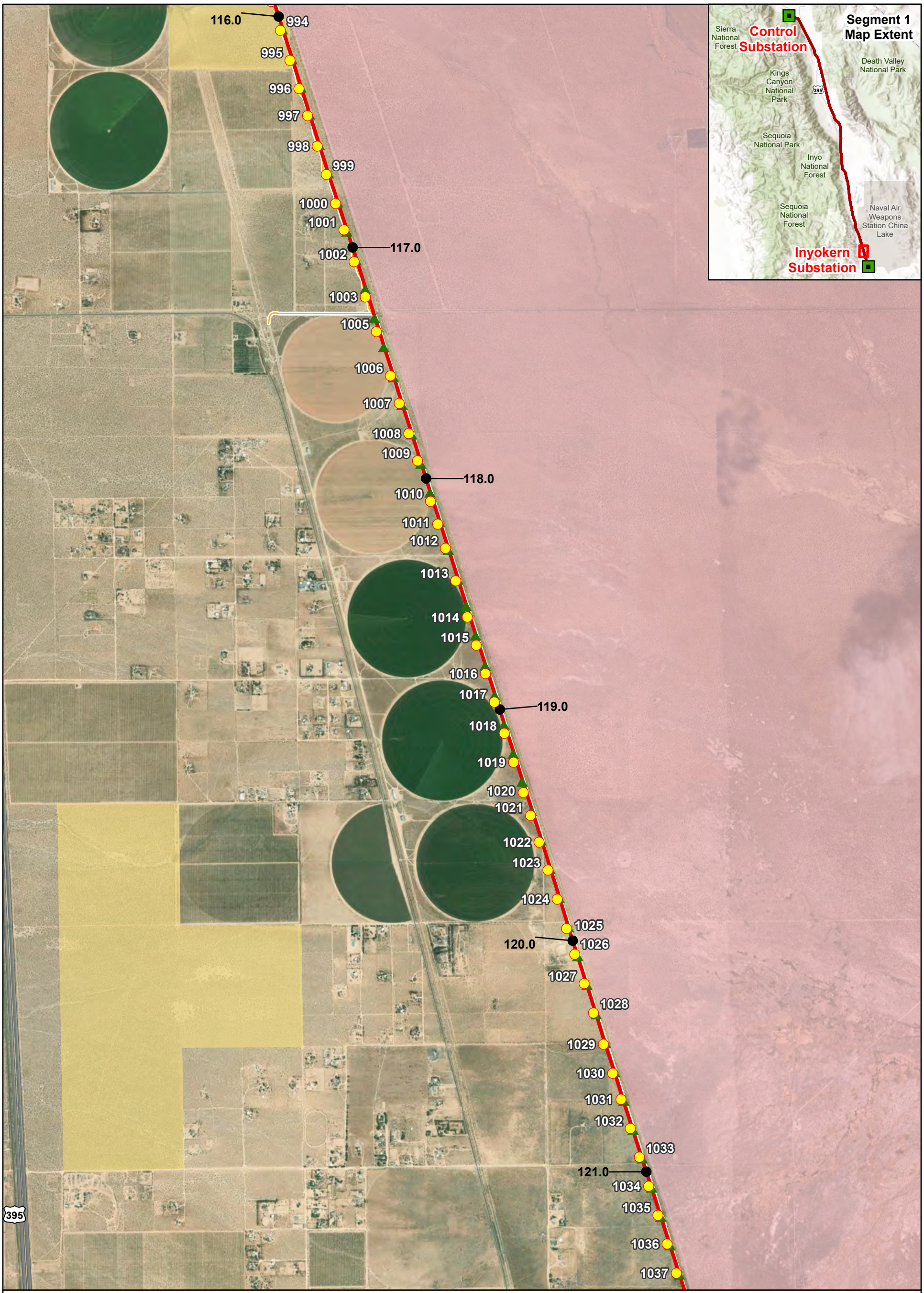


Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Ivanpah-Control Proposed Project Segments
- Segment 1: Control-Haiwee-Inyokern

Roads
- Existing Access Road

Segment 1 Strip Map

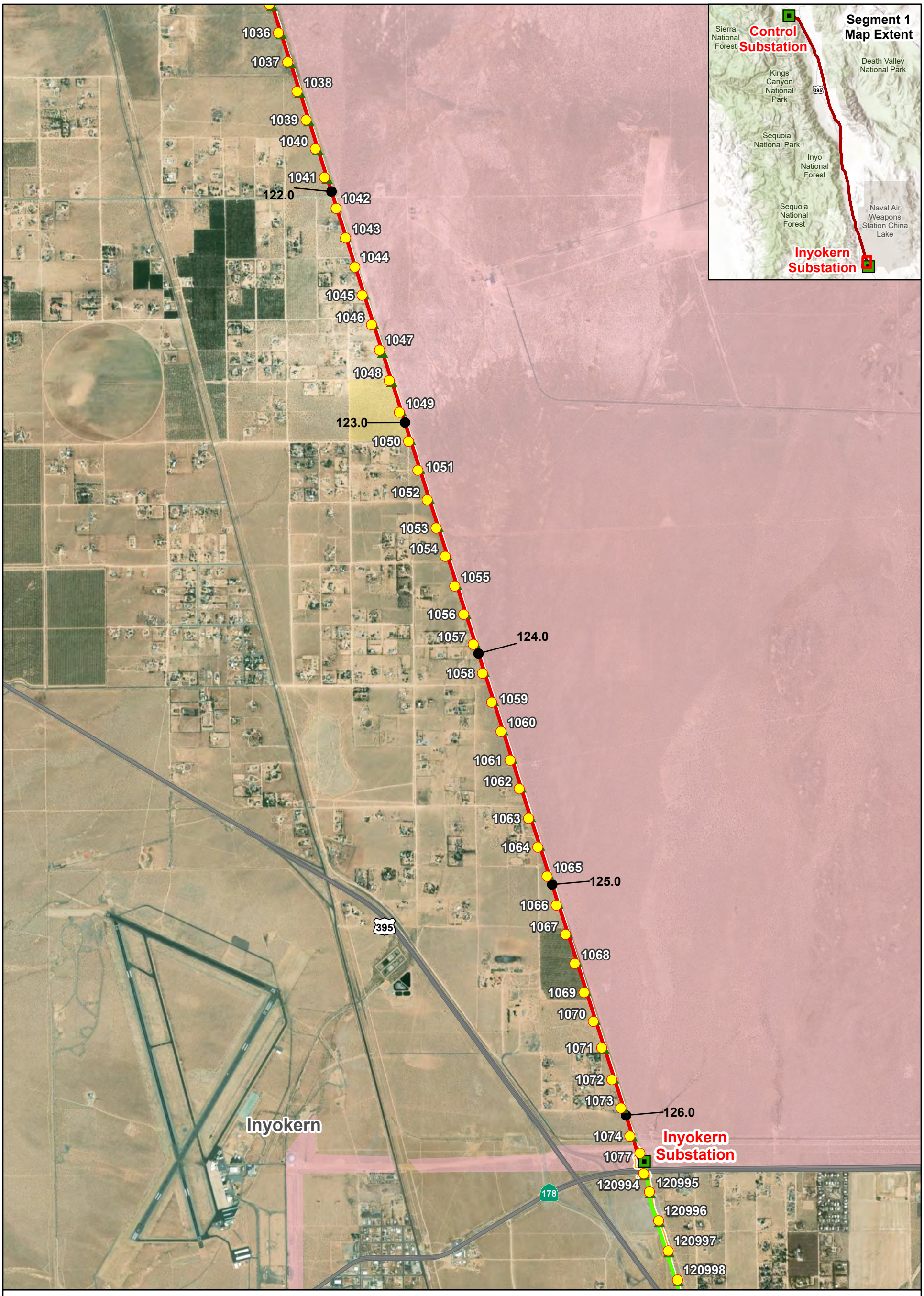
Sheet 25 of 26

Land Management/Ownership
- Bureau of Land Management
- Military

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Milepost (1.0)

Substation

Subtransmission Structures

- Proposed New Structure
- Structure to be Removed

Ivanpah-Control Proposed Project Segments

- Segment 1: Control-Haiwee-Inyokern
- Segment 2: Inyokern-Kramer

Roads

- Existing Access Road
- New Access Road

Land Management/Ownership

- Bureau of Land Management
- Military

Segment 1 Strip Map

Sheet 26 of 26

1:24,000

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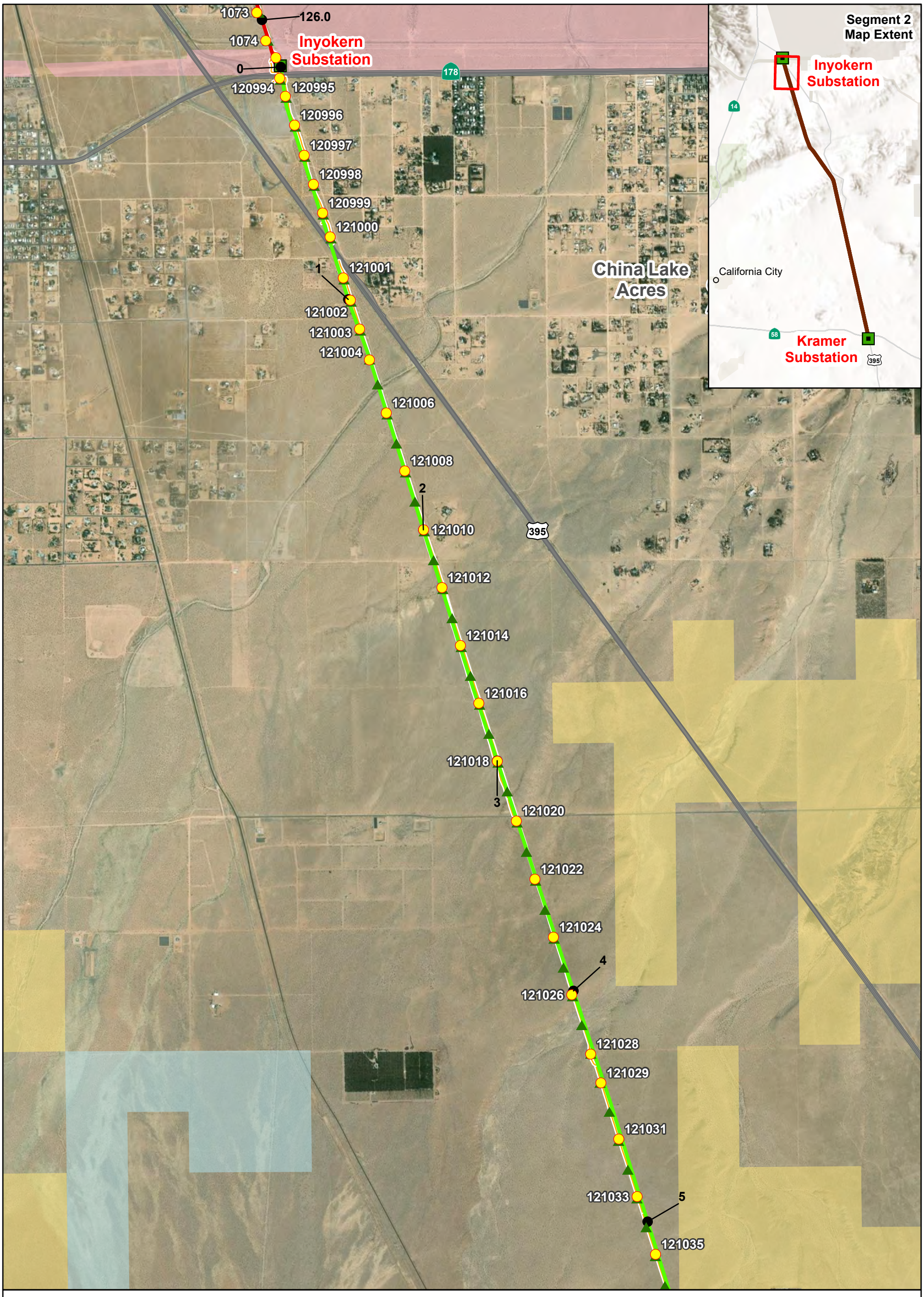

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 1 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 1: Control-Haiwee-Inyokern
- Segment 2: Inyokern-Kramer

Land Management/Ownership
- Bureau of Land Management
- Military
- State

Roads
- Existing Access Road

1:24,000

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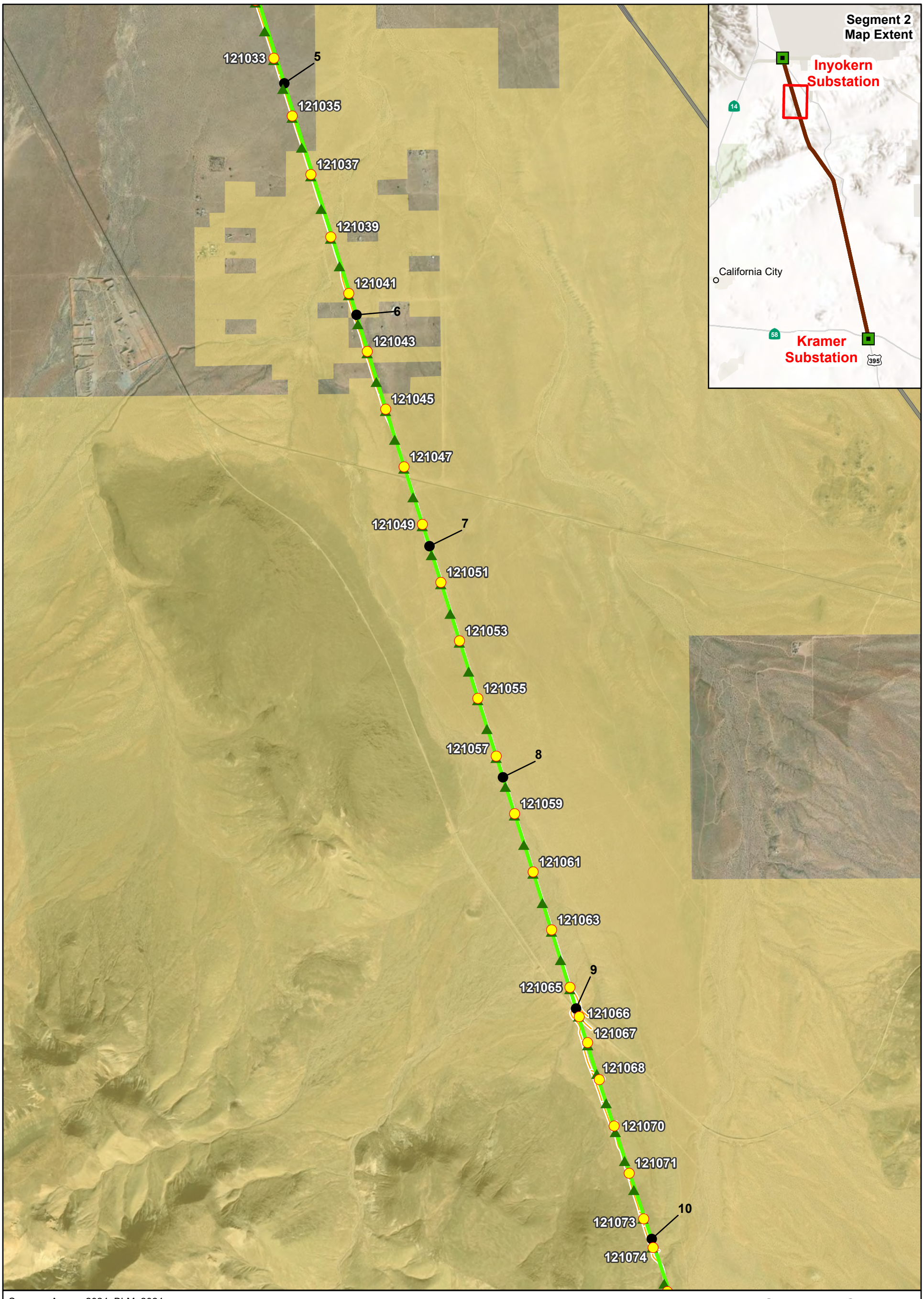

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 2 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

Milepost (1.0)

Segment 2: Inyokern-Kramer

Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road

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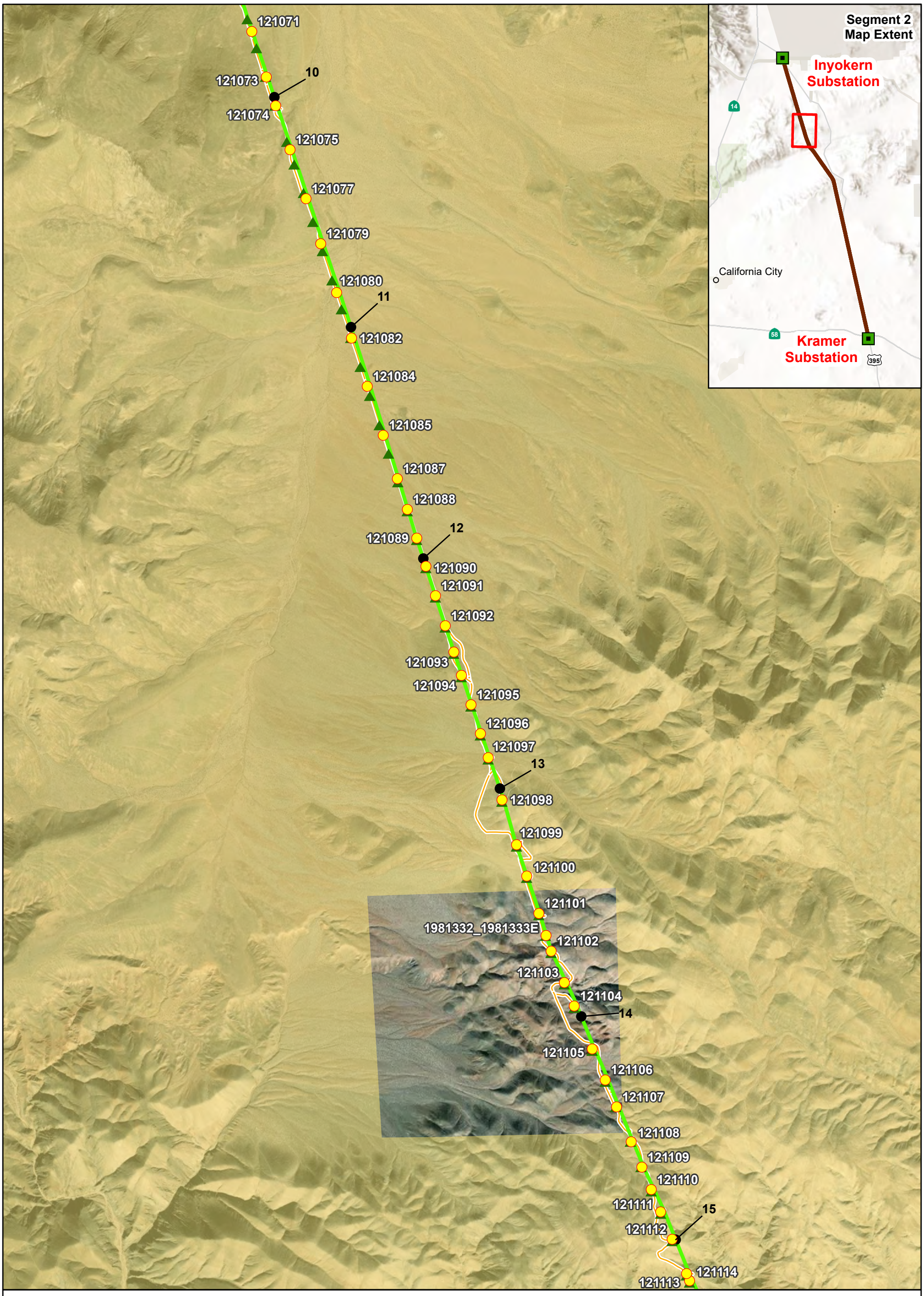

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 3 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Segment 2: Inyokern-Kramer

Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road
- New Access Road

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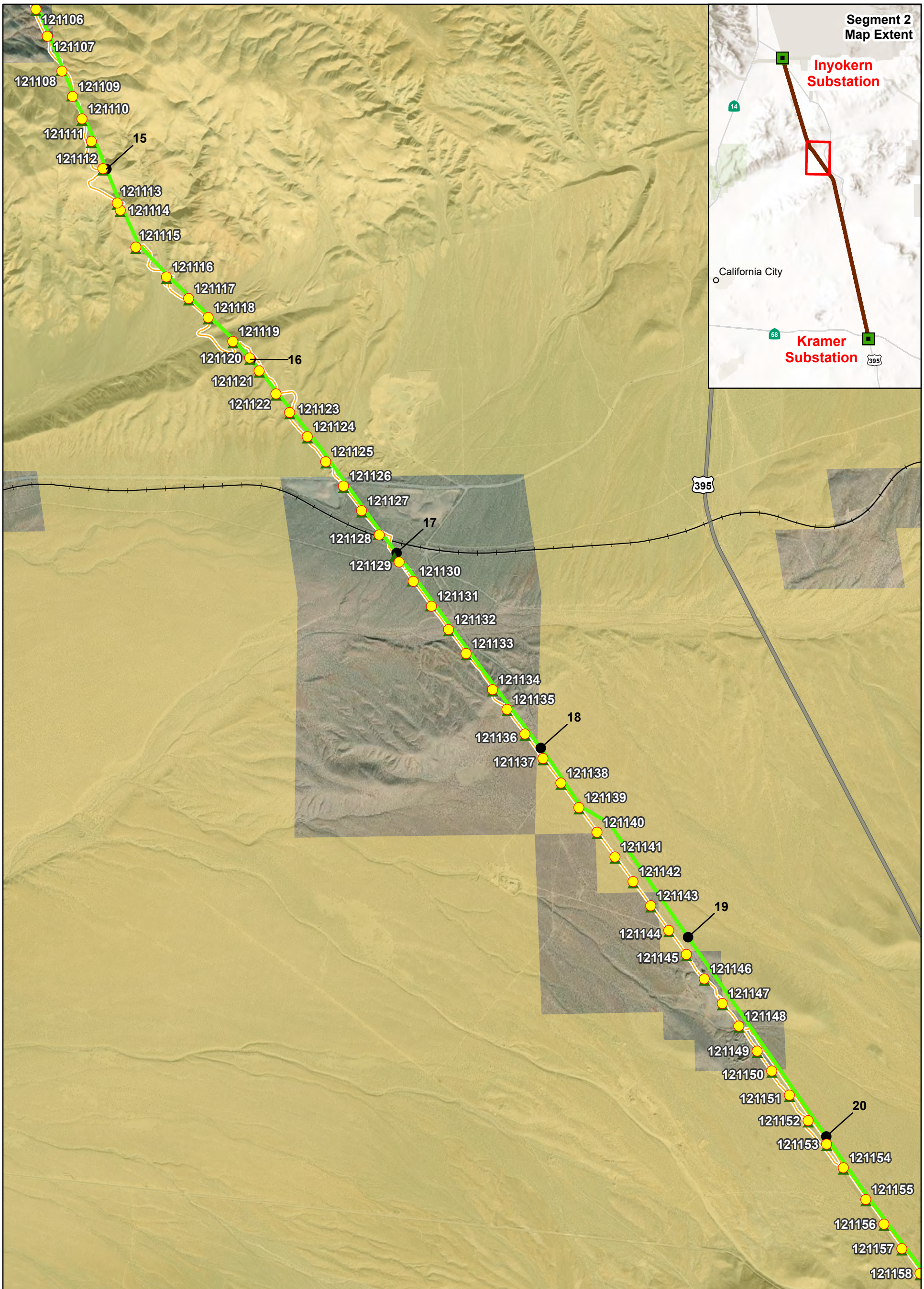

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 4 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Segment 2: Inyokern-Kramer

Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road
- New Access Road
- Railroad

1:24,000

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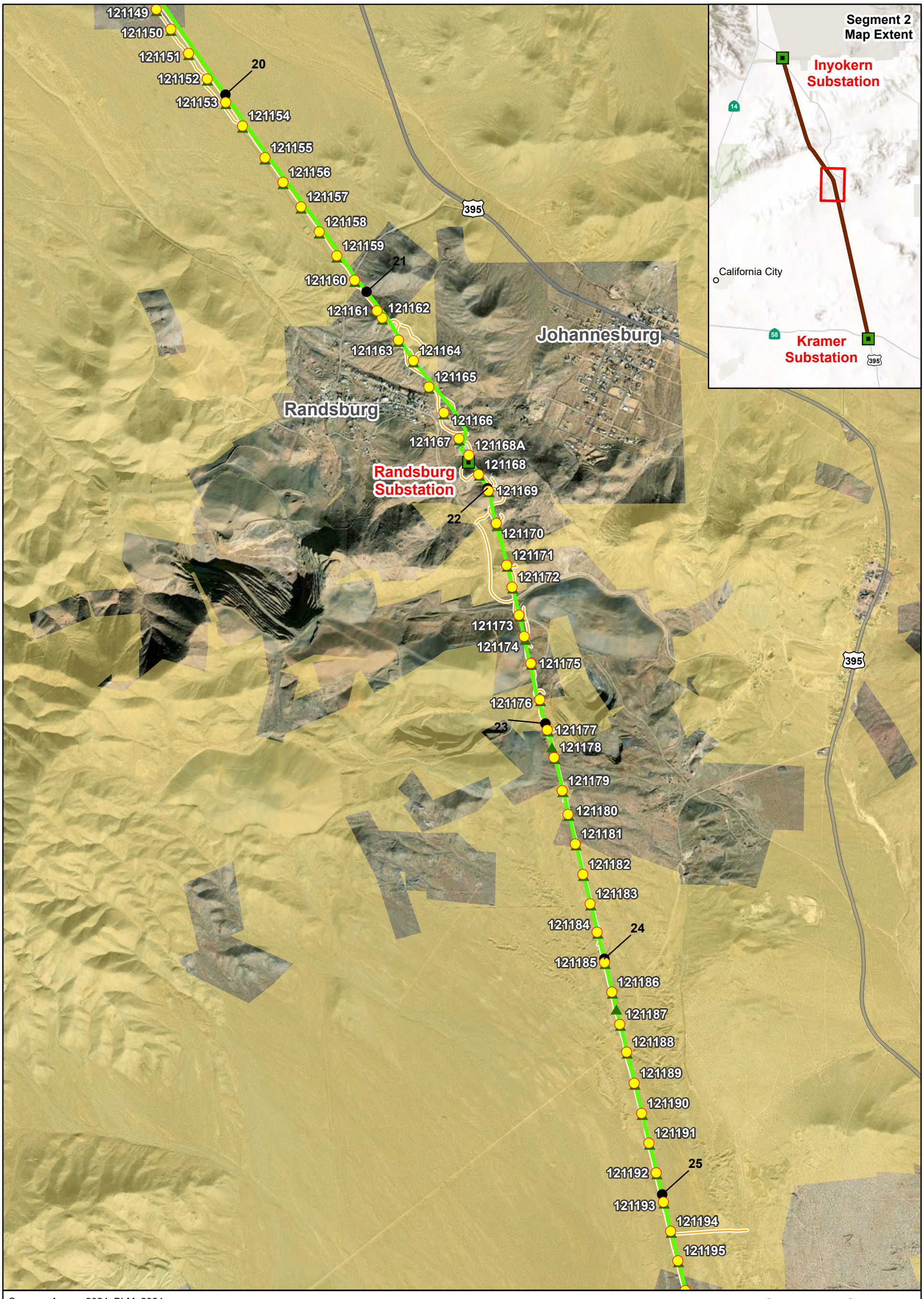

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 5 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 2: Inyokern-Kramer

Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road
- New Access Road

1:24,000

N

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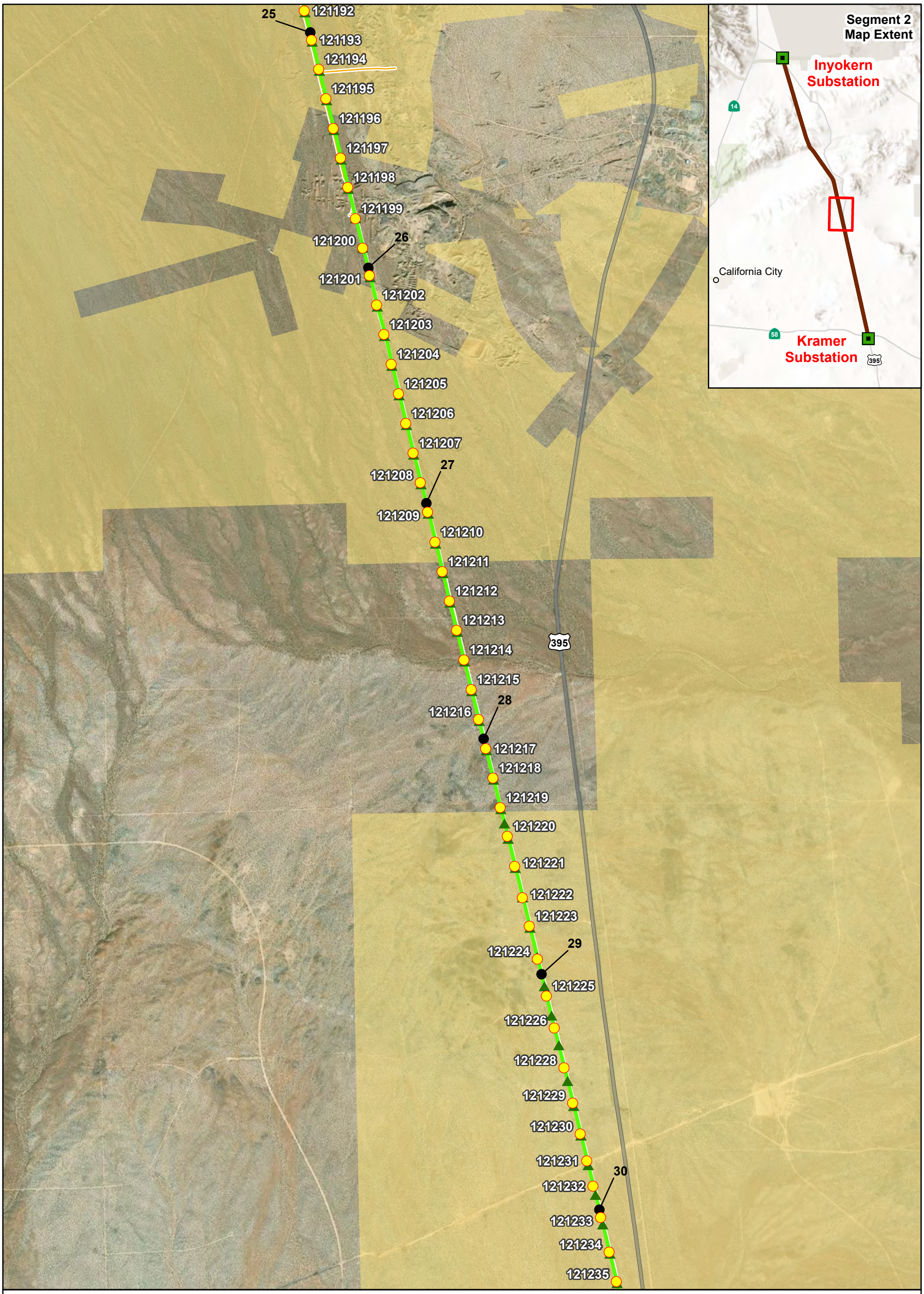


Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 6 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Segment 2: Inyokern-Kramer

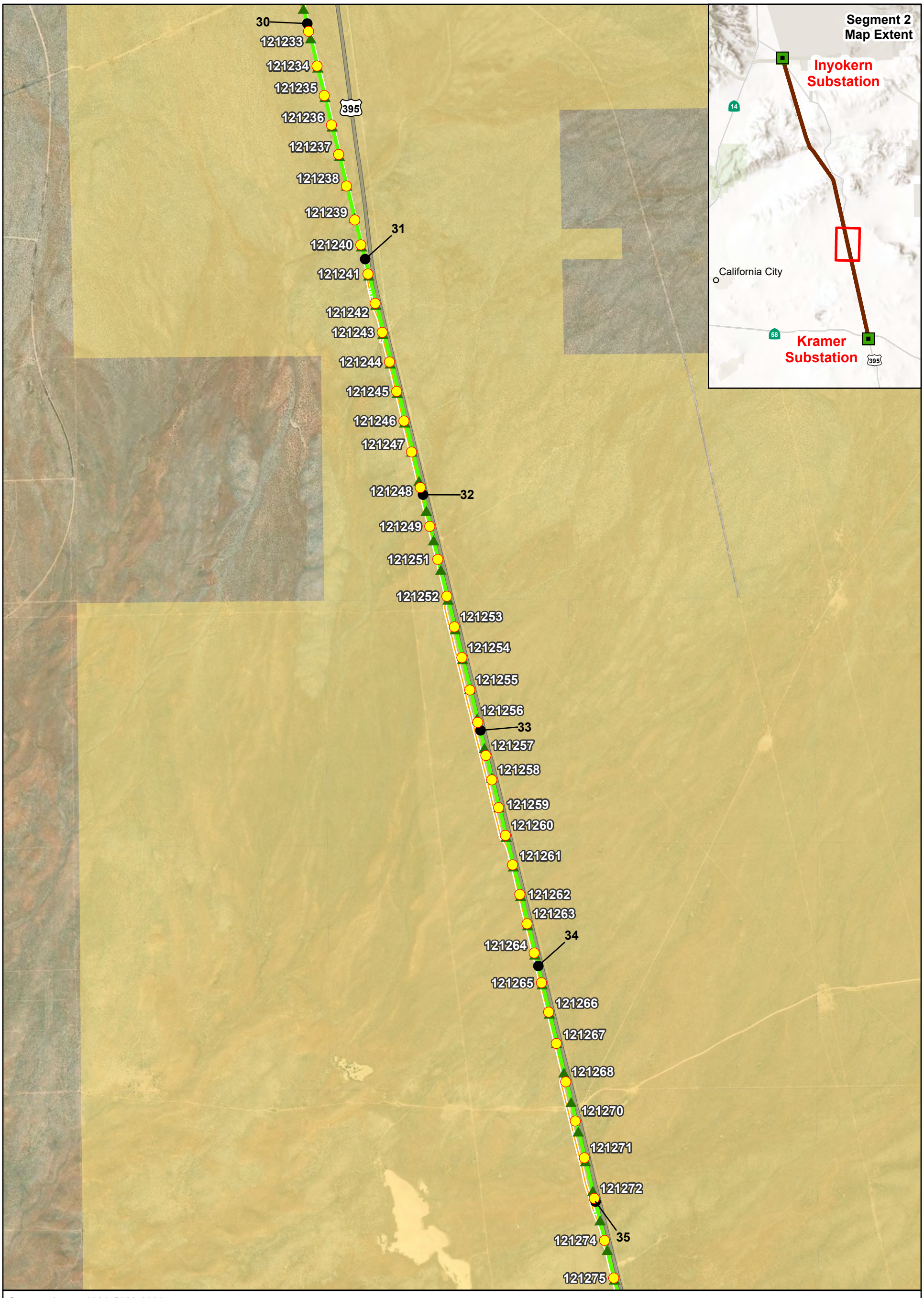
Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 7 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Segment 2: Inyokern-Kramer

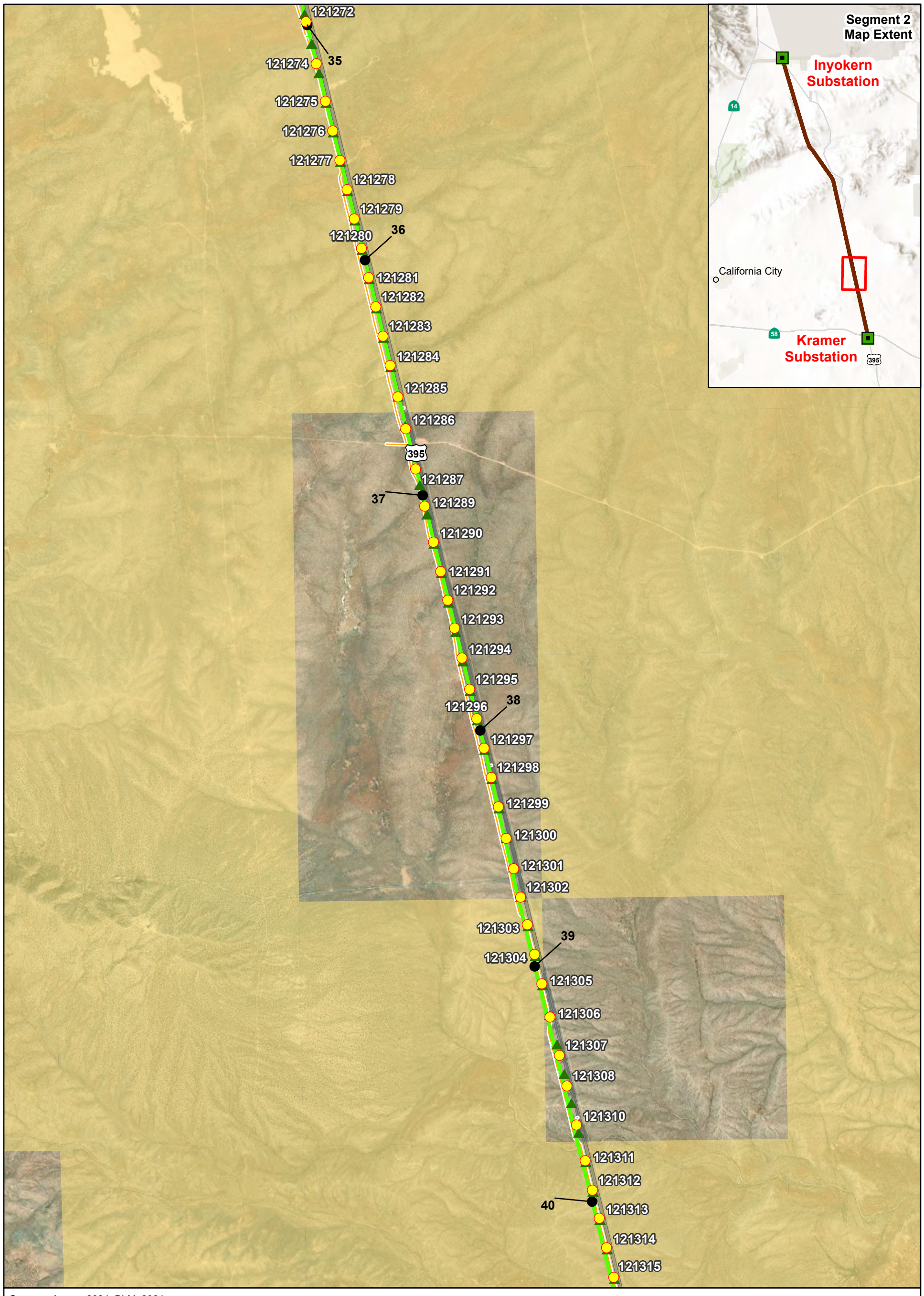
Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road
- New Access Road

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024;
ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 8 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Segment 2: Inyokern-Kramer

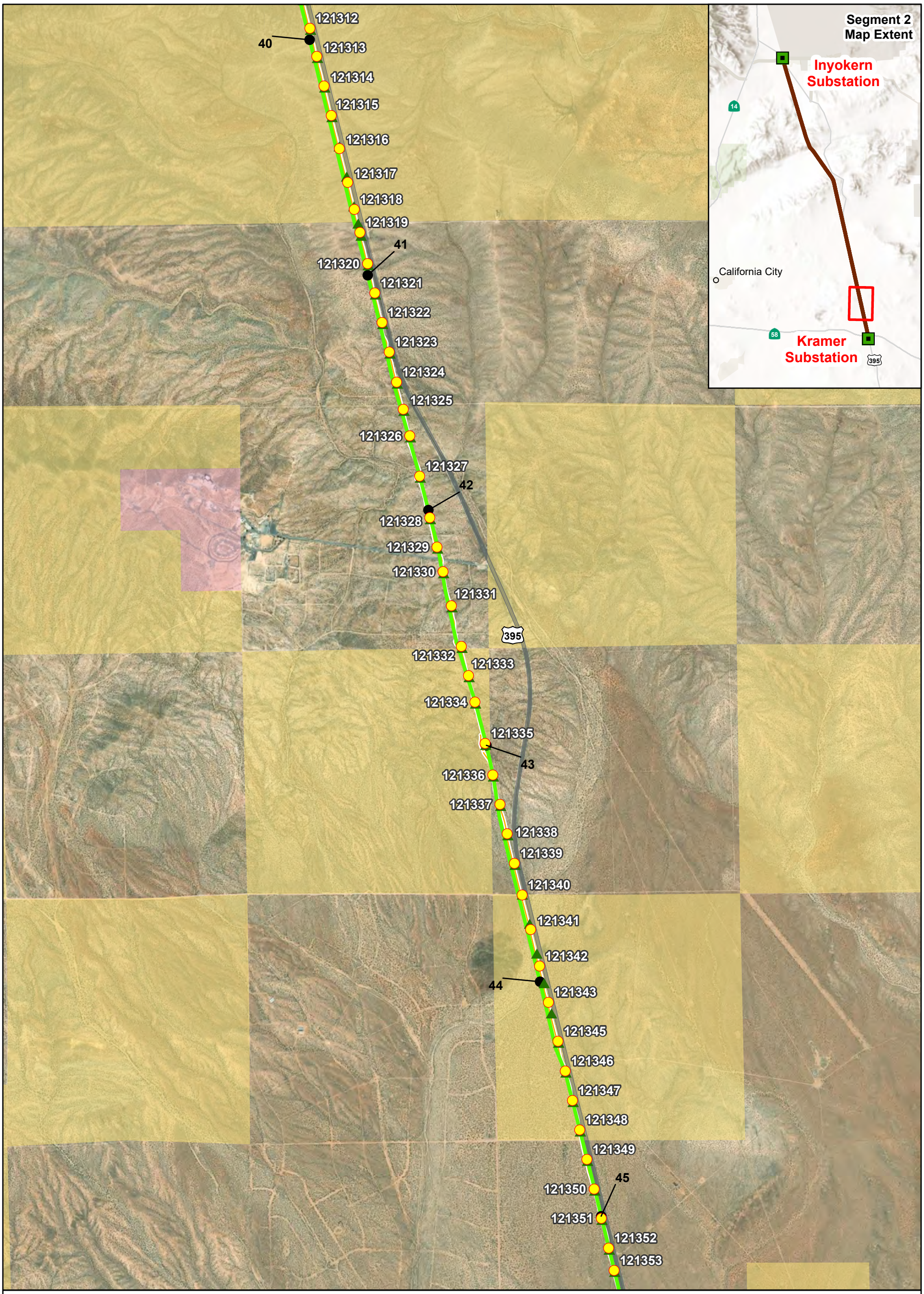
Land Management/Ownership
- Bureau of Land Management

Roads
- Existing Access Road
- New Access Road

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 9 of 10

Subtransmission Structures
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Segment 2: Inyokern-Kramer

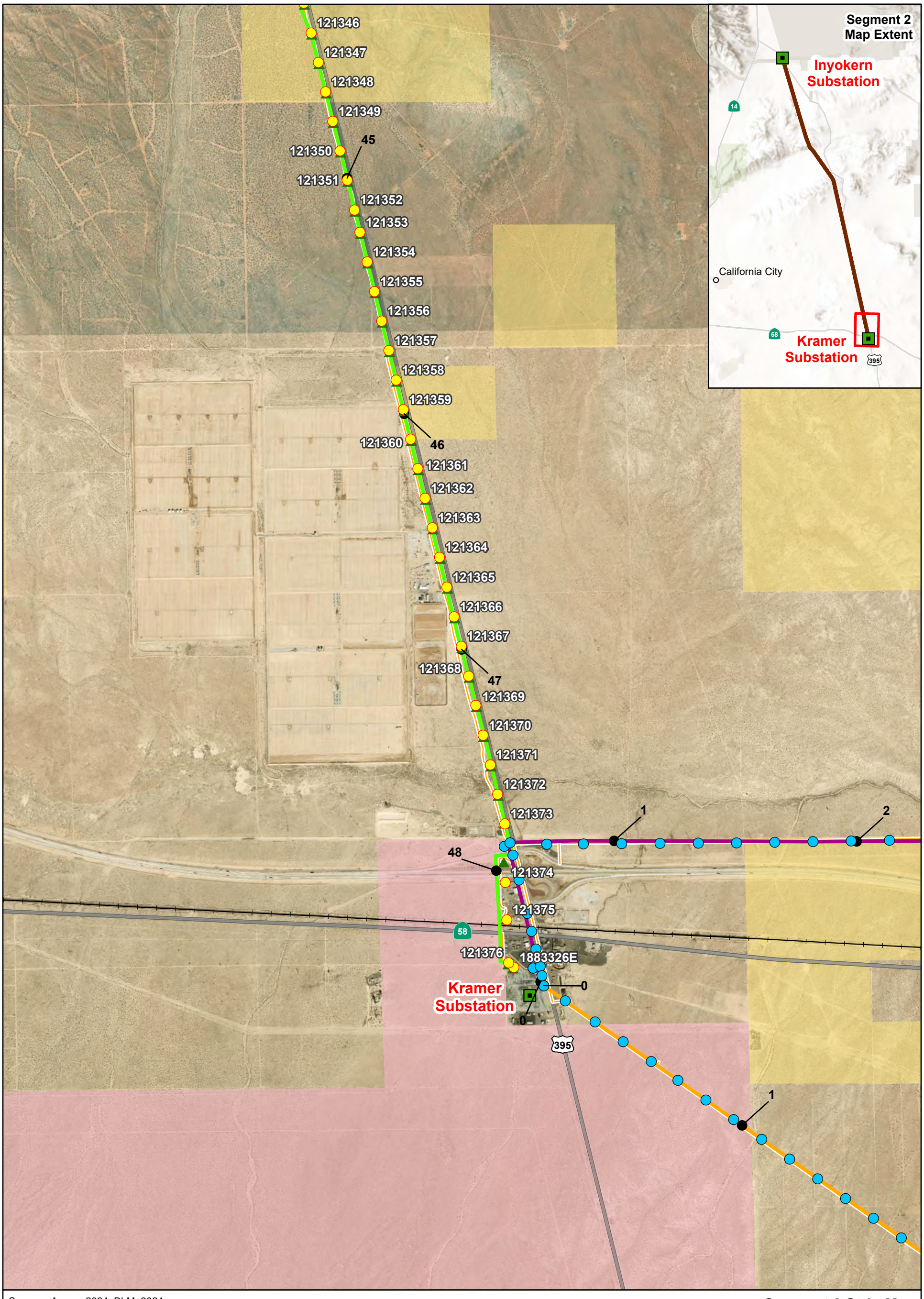
Land Management/Ownership
- Bureau of Land Management
- Military

Roads
- Existing Access Road
- New Access Road

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 2 Strip Map

Sheet 10 of 10

Subtransmission Structures
- Existing Structure
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 2: Inyokern-Kramer
- Segment 3N: Kramer-Coolwater
- Segment 3S: Kramer-Tortilla-Coolwater

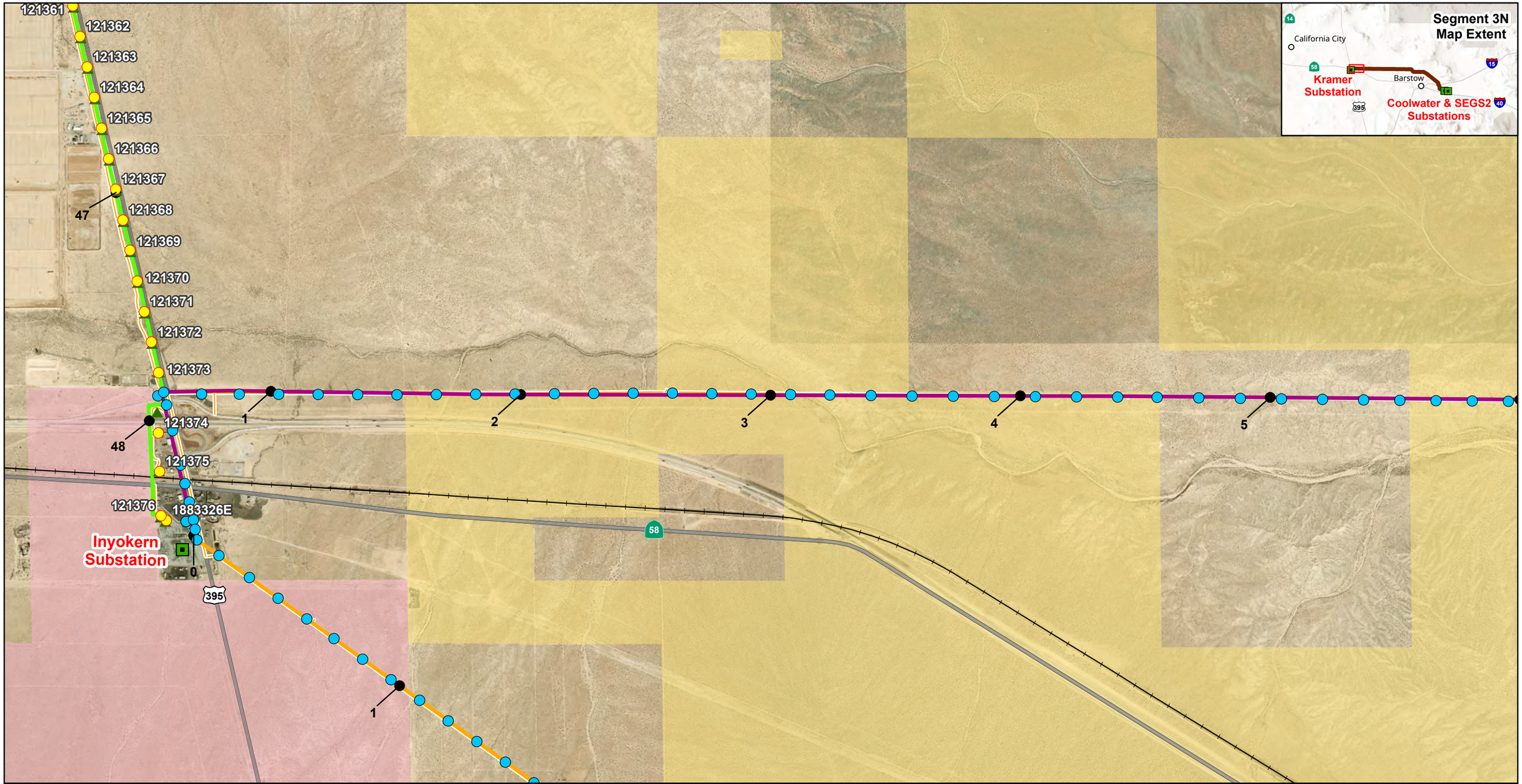
Land Management/Ownership
- Bureau of Land Management
- Military

Roads
- Existing Access Road
- New Access Road
- Railroad

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- Proposed New Structure
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 2: Inyokern-Kramer
- Segment 3N: Kramer-Coolwater
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- New Access Road
- Railroad

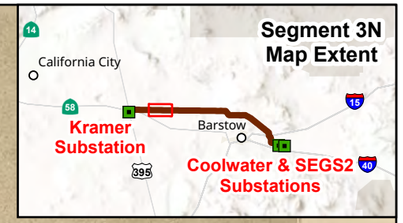
Land Management/Ownership
- Bureau of Land Management
- Military

Segment 3N Strip Map

Sheet 1 of 8

1:24,000

N 0 2,000 Feet



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Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures

- Existing Structure

- Milepost (1.0)
- Segment 3N: Kramer-Coolwater

Roads

- Existing Access Road

Land Management/Ownership

- Bureau of Land Management

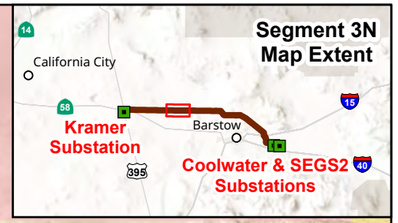
Segment 3N Strip Map

Sheet 2 of 8

1:24,000

N

0 2,000 Feet



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Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing

- Milepost (1.0)
- Segment 3N: Kramer-Coolwater

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management
- Military

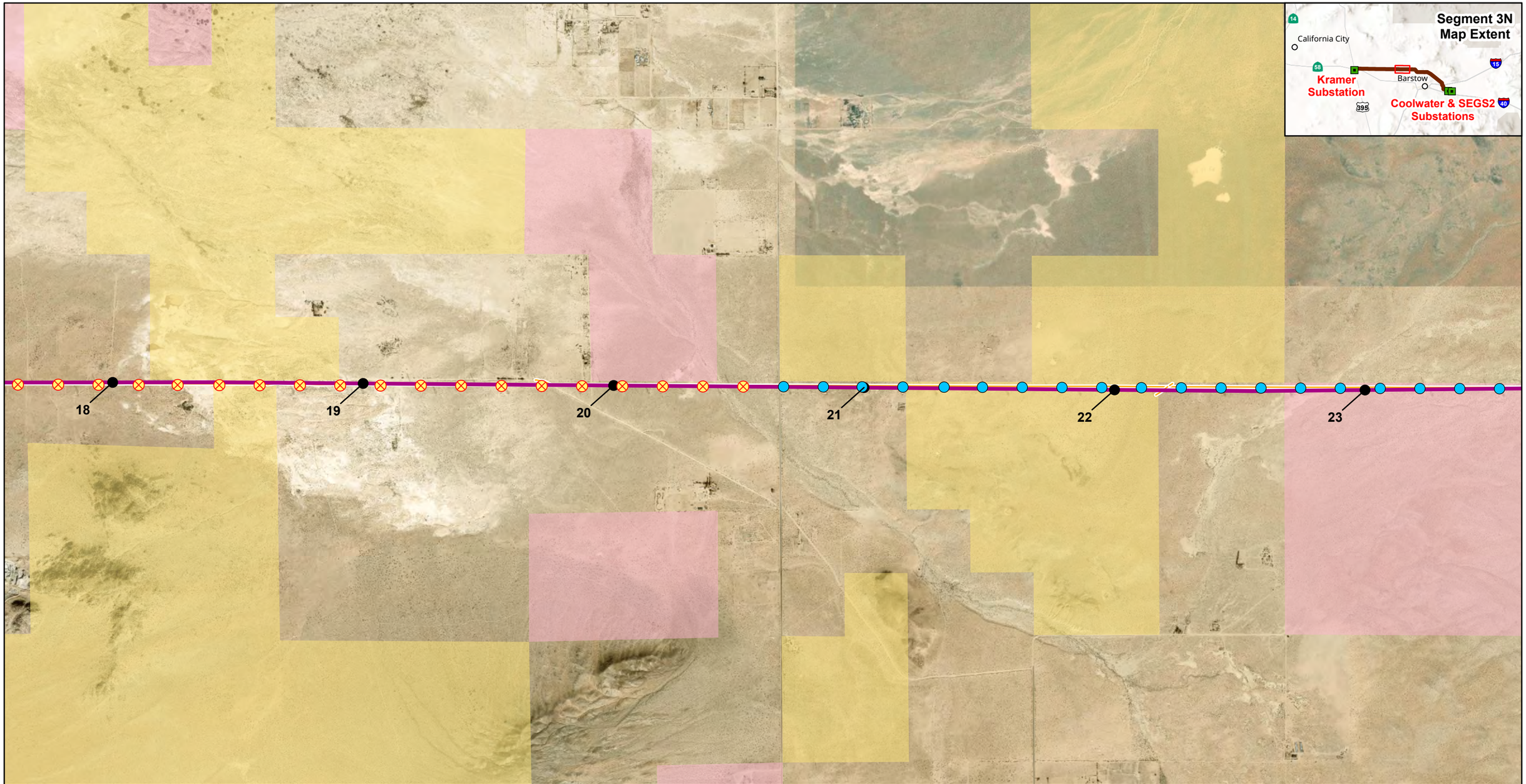
Segment 3N Strip Map

Sheet 3 of 8

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing

- Milepost (1.0)
- Segment 3N: Kramer-Coolwater

Roads
- Existing Access Road

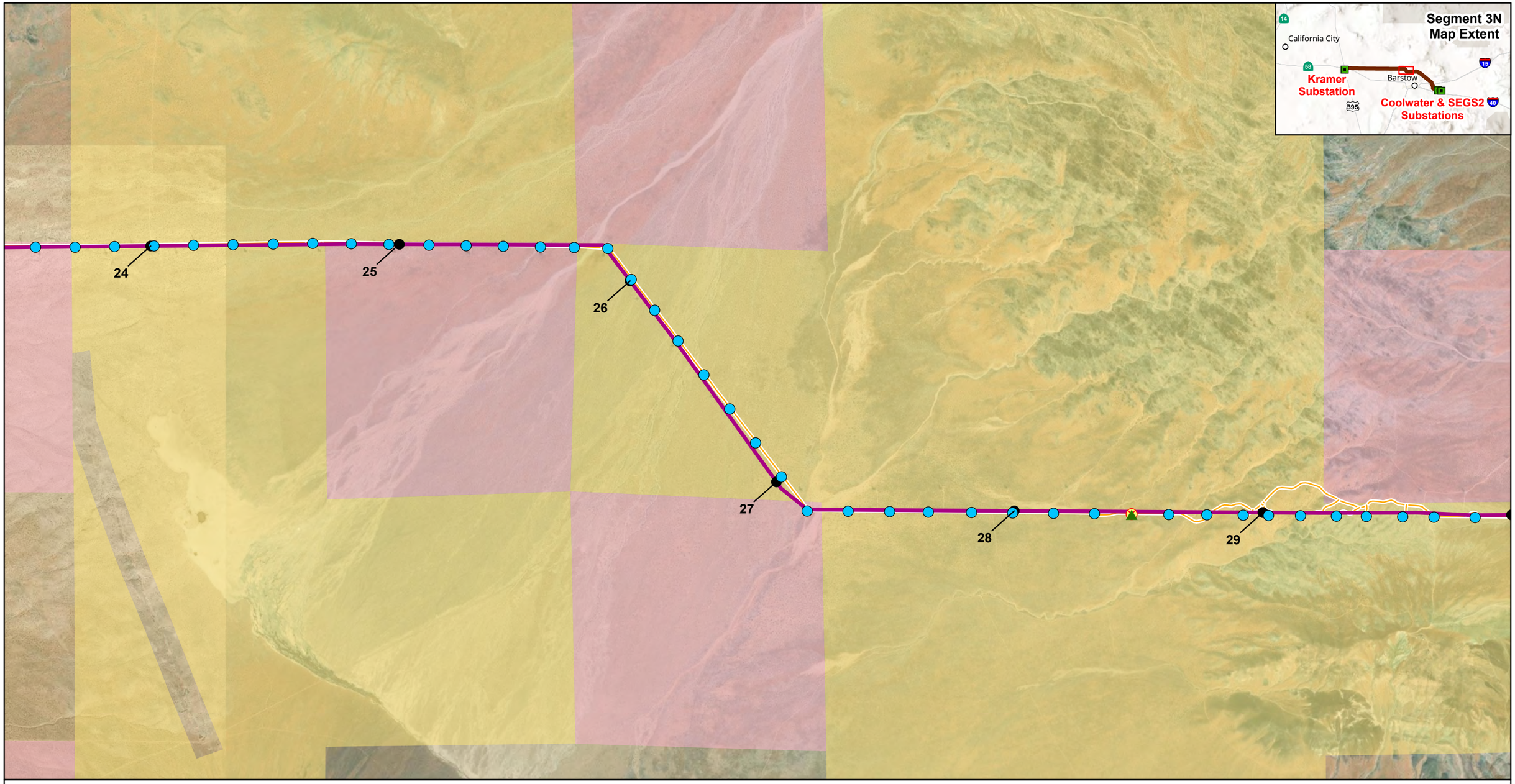
Land Management/Ownership
- Bureau of Land Management
- Military

Segment 3N Strip Map

Sheet 4 of 8

1:24,000

N 0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 3N Strip Map

Sheet 5 of 8

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

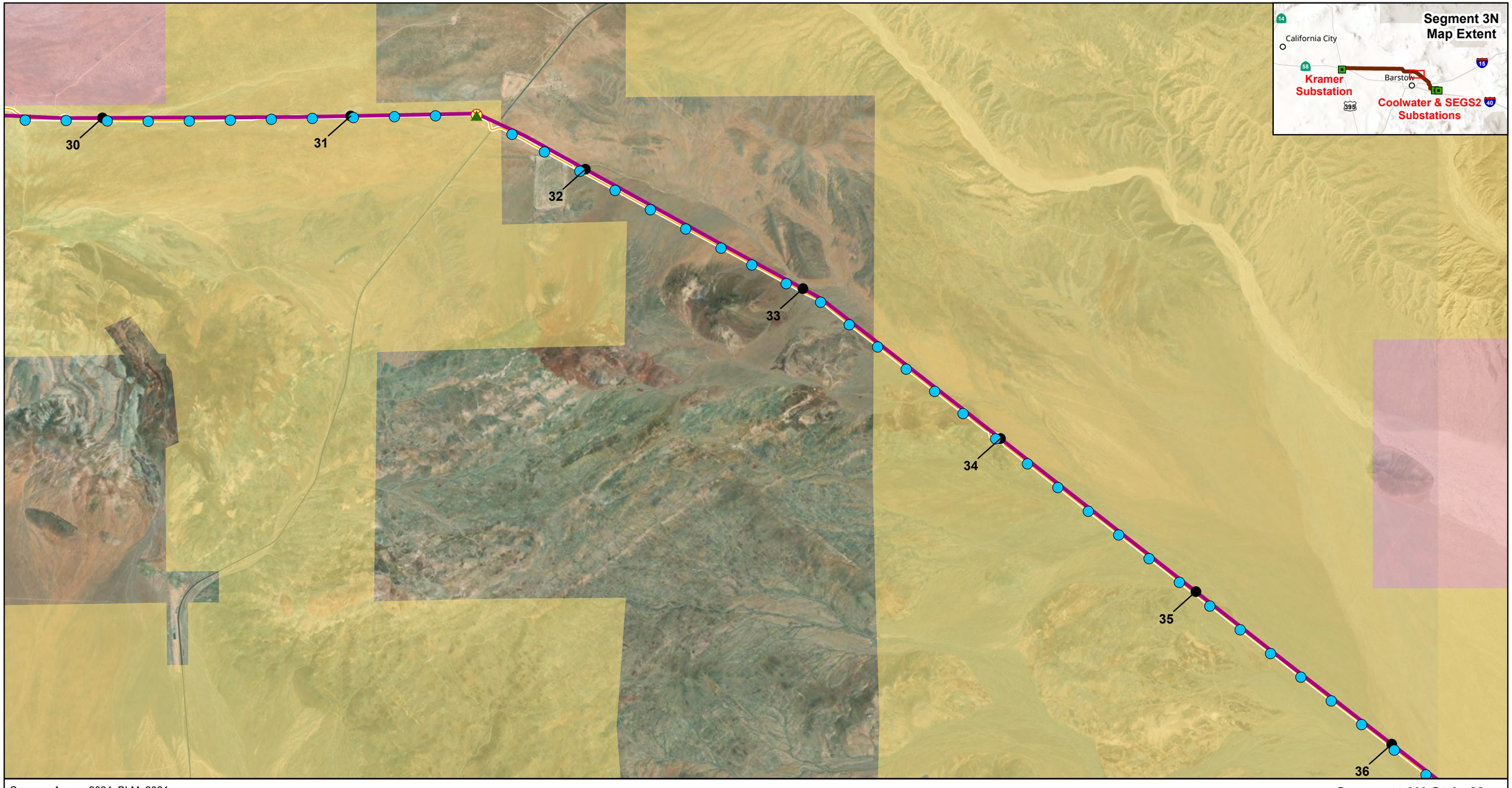
- Milepost (1.0)
- Segment 3N: Kramer-Coolwater

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management
- Military

1:24,000

N 0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Segment 3N: Kramer-Coolwater

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management
- Military

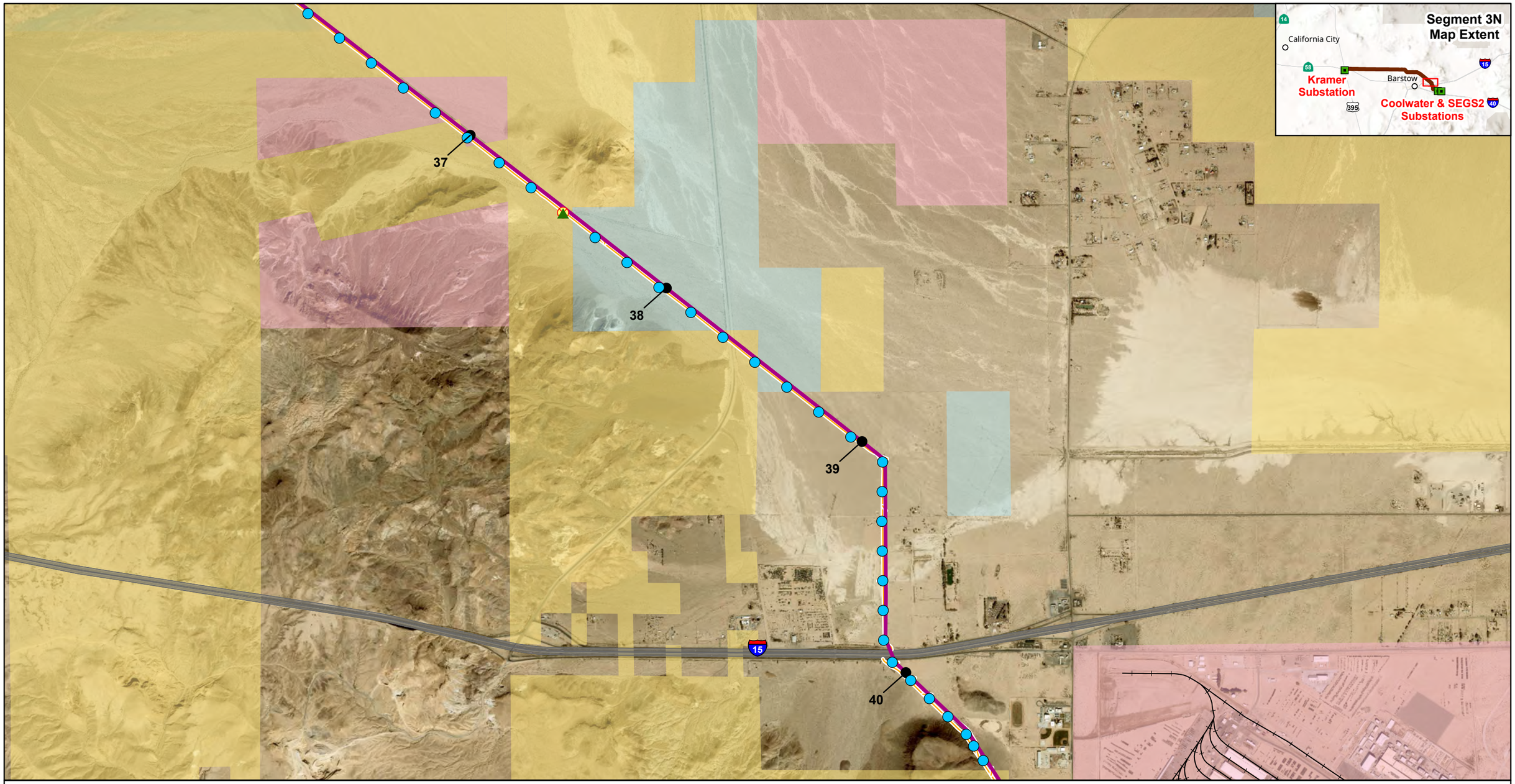
Segment 3N Strip Map

Sheet 6 of 8

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 3N Strip Map

Sheet 7 of 8

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Segment 3N: Kramer-Coolwater

Roads
- Existing Access Road
- Railroad

Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- Military
- State

1:24,000

N 0 2,000 Feet

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 3N Strip Map

Sheet 8 of 8

Subtransmission Structures
- Existing Structure
- Proposed New Structure
- New-Remove-Existing
- Structure to be Removed

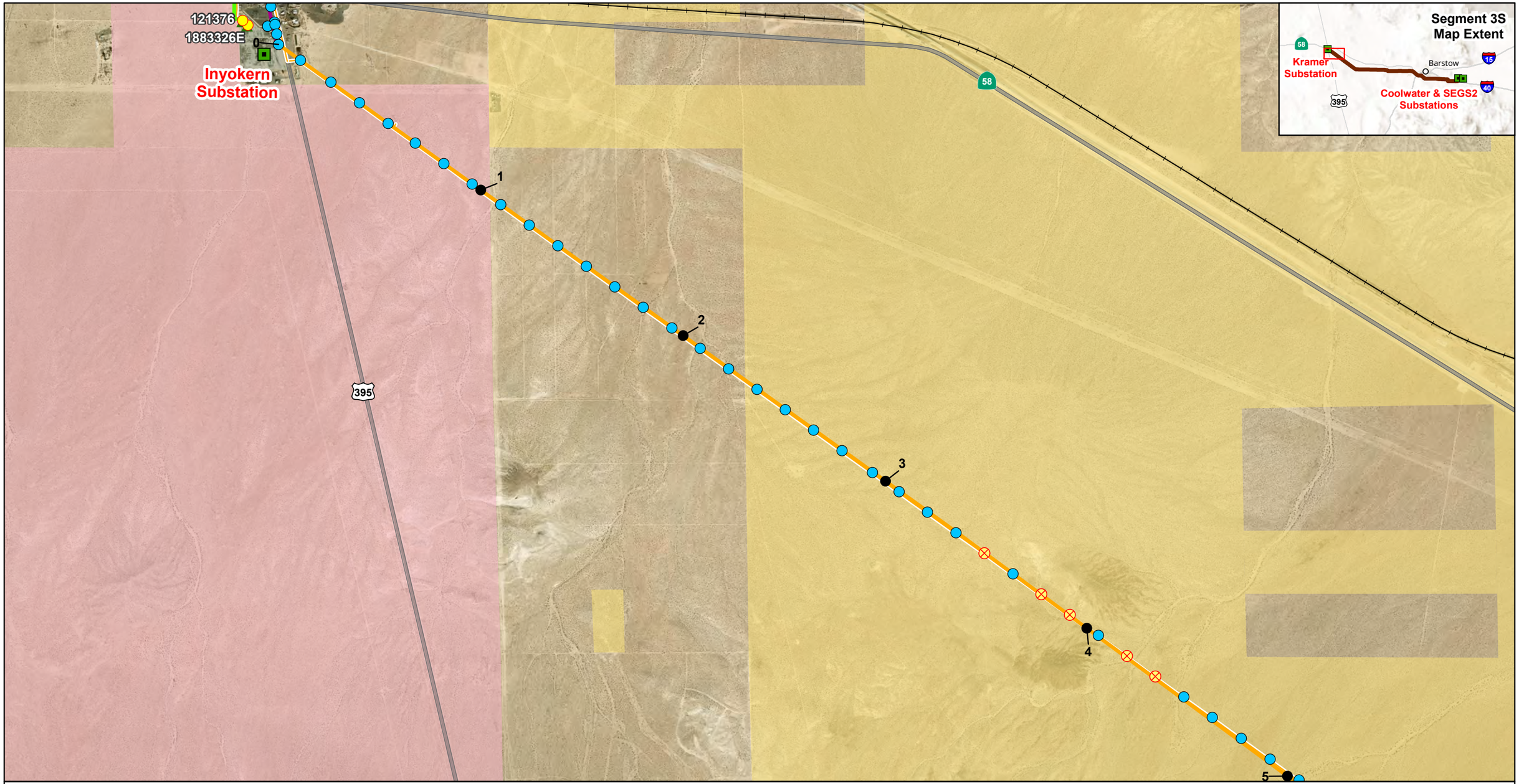
- Milepost (1.0)
- Substation
- Segment 3N: Kramer-Coolwater
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- New Access Road
- Railroad

Land Management/Ownership
- Bureau of Land Management
- Military
- State

1:24,000

N 0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 3S Strip Map

Sheet 1 of 8

Subtransmission Structures
- Existing Structure
- Proposed New Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 2: Inyokern-Kramer
- Segment 3N: Kramer-Coolwater
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- Railroad

Land Management/Ownership
- Bureau of Land Management
- Military

1:24,000

N

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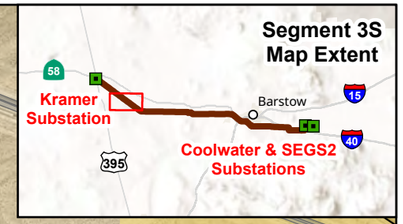

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Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 3S Strip Map

Sheet 2 of 8

Subtransmission Structures
- Existing Structure
- New-Remove-Existing

- Milepost (1.0)
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- Railroad

Land Management/Ownership
- Bureau of Land Management

1:24,000

N 0 2,000 Feet

Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing

- Milepost (1.0)
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management

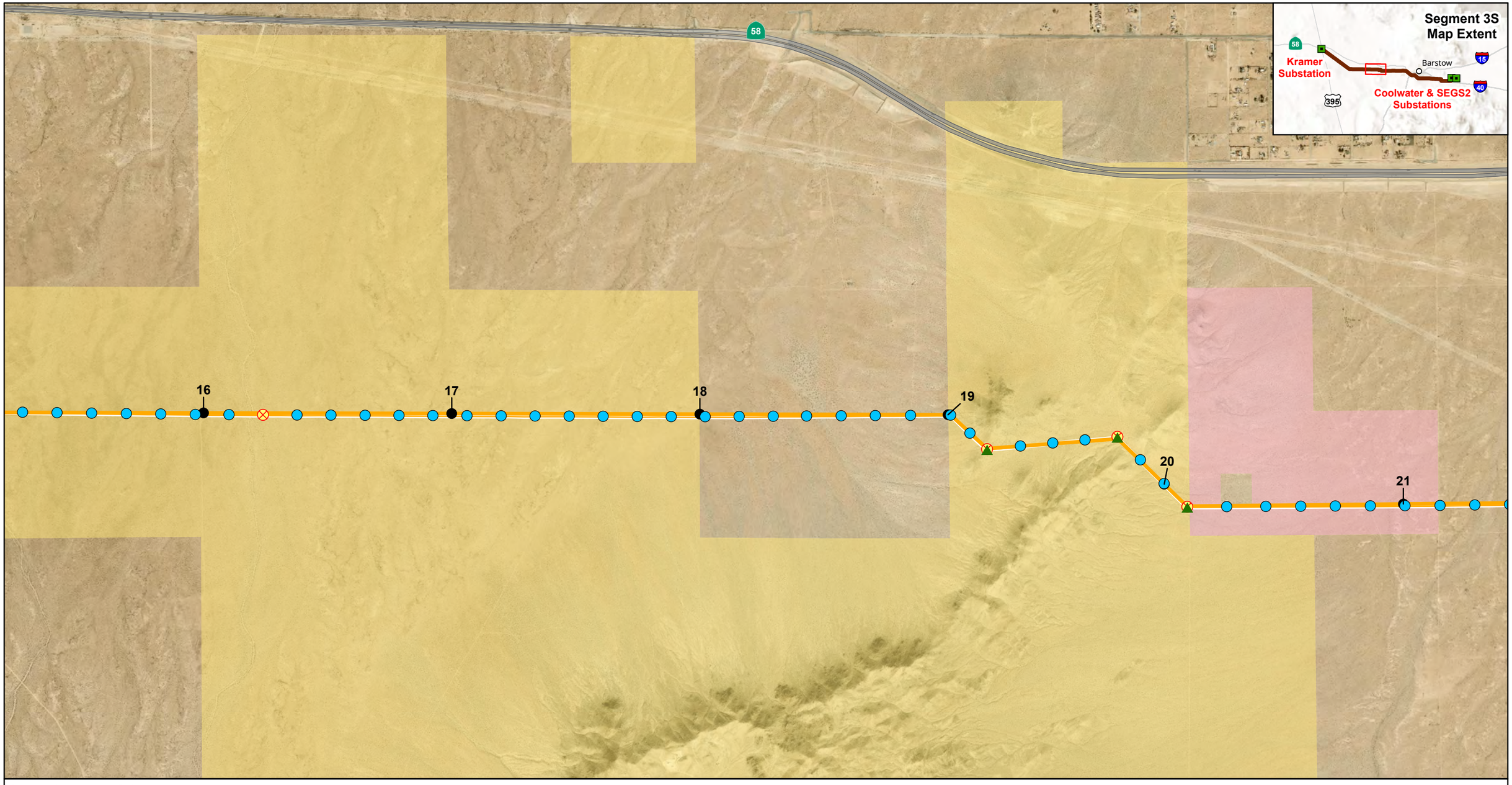
Segment 3S Strip Map

Sheet 3 of 8

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road

Land Management/Ownership
- Bureau of Land Management
- Military

Segment 3S Strip Map

Sheet 4 of 8

1:24,000

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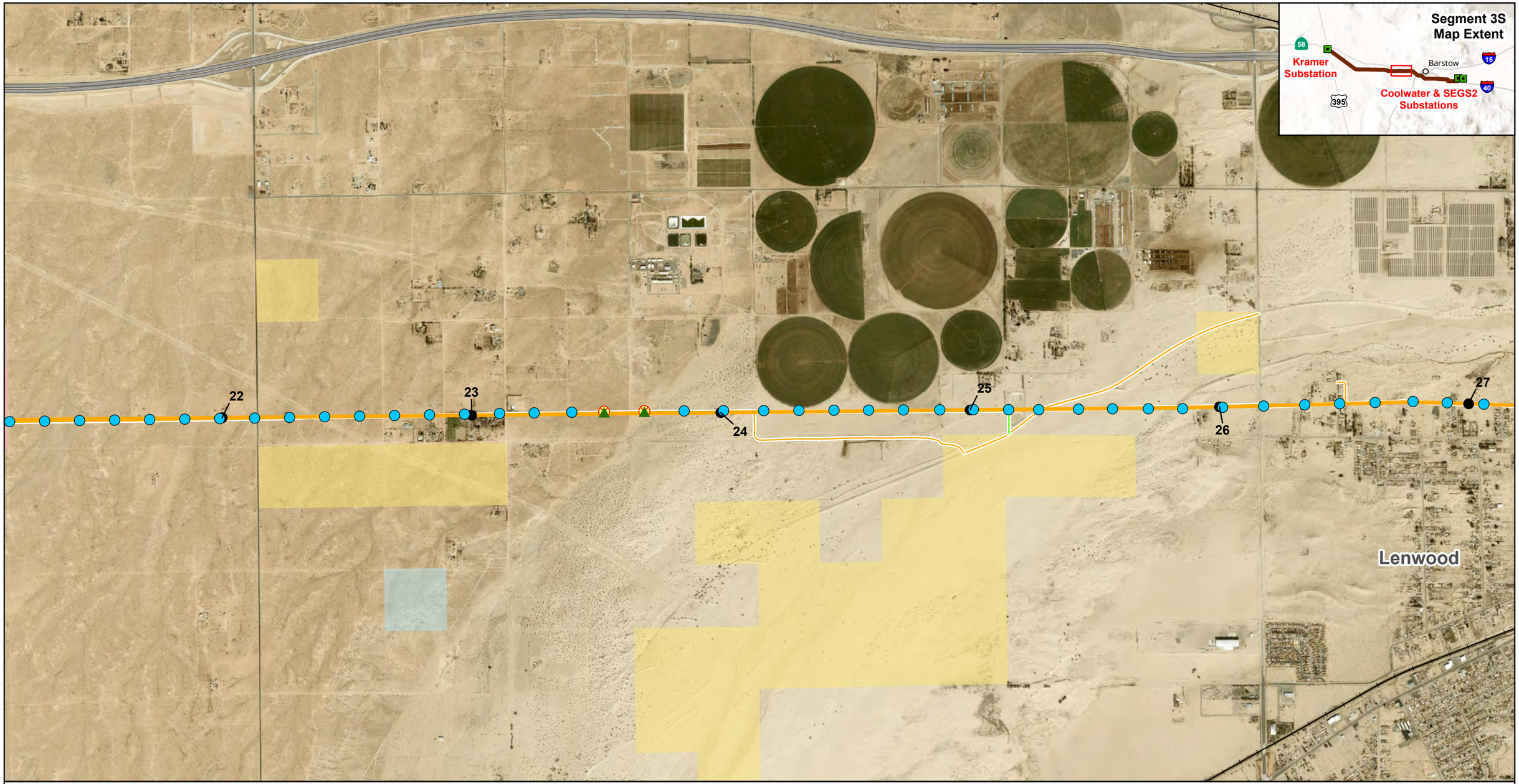


Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- New Access Road
- Railroad

Land Management/Ownership
- Bureau of Land Management
- Military
- State

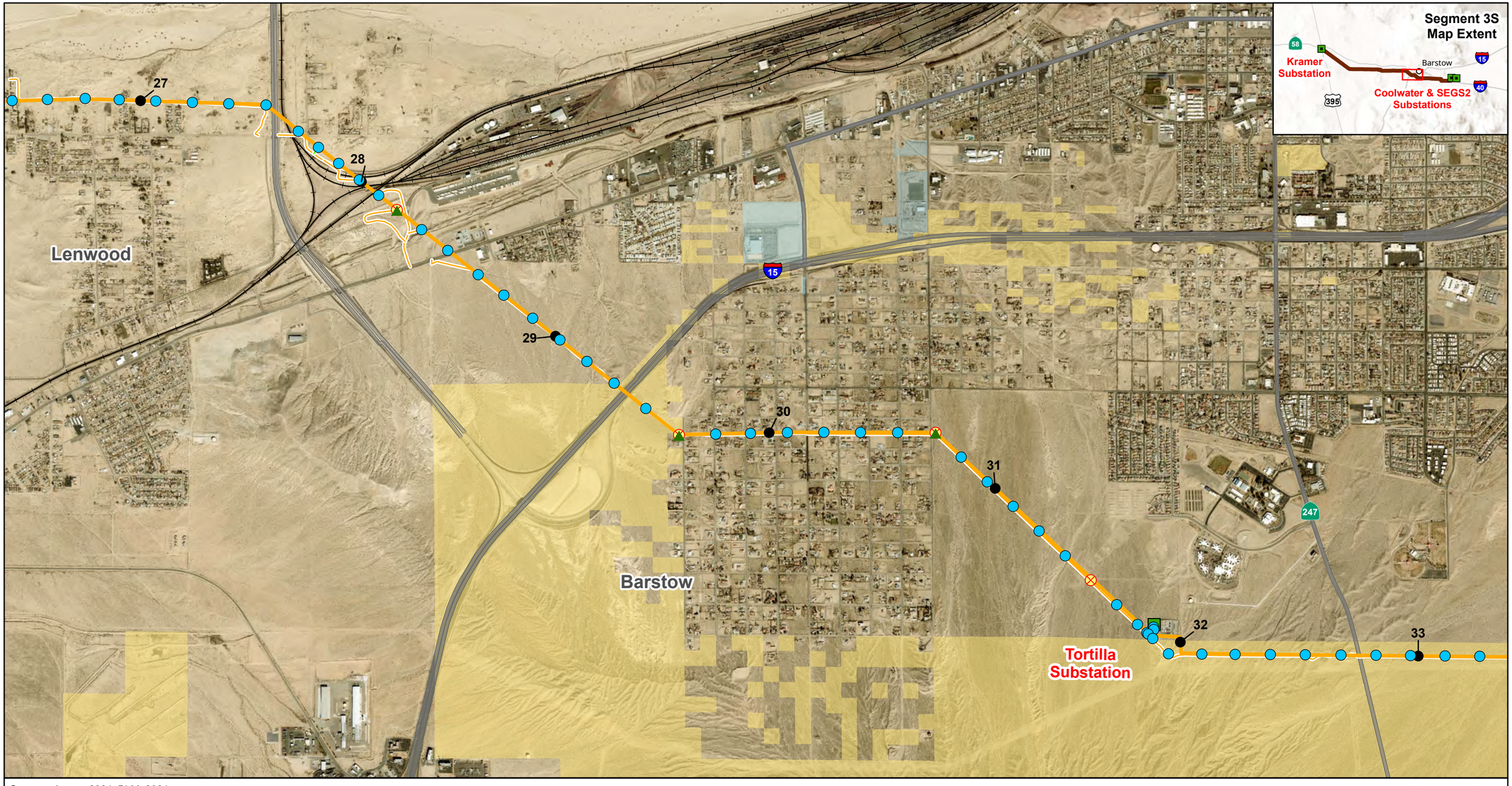
Segment 3S Strip Map

Sheet 5 of 8

1:24,000

N

0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- New Access Road
- Railroad

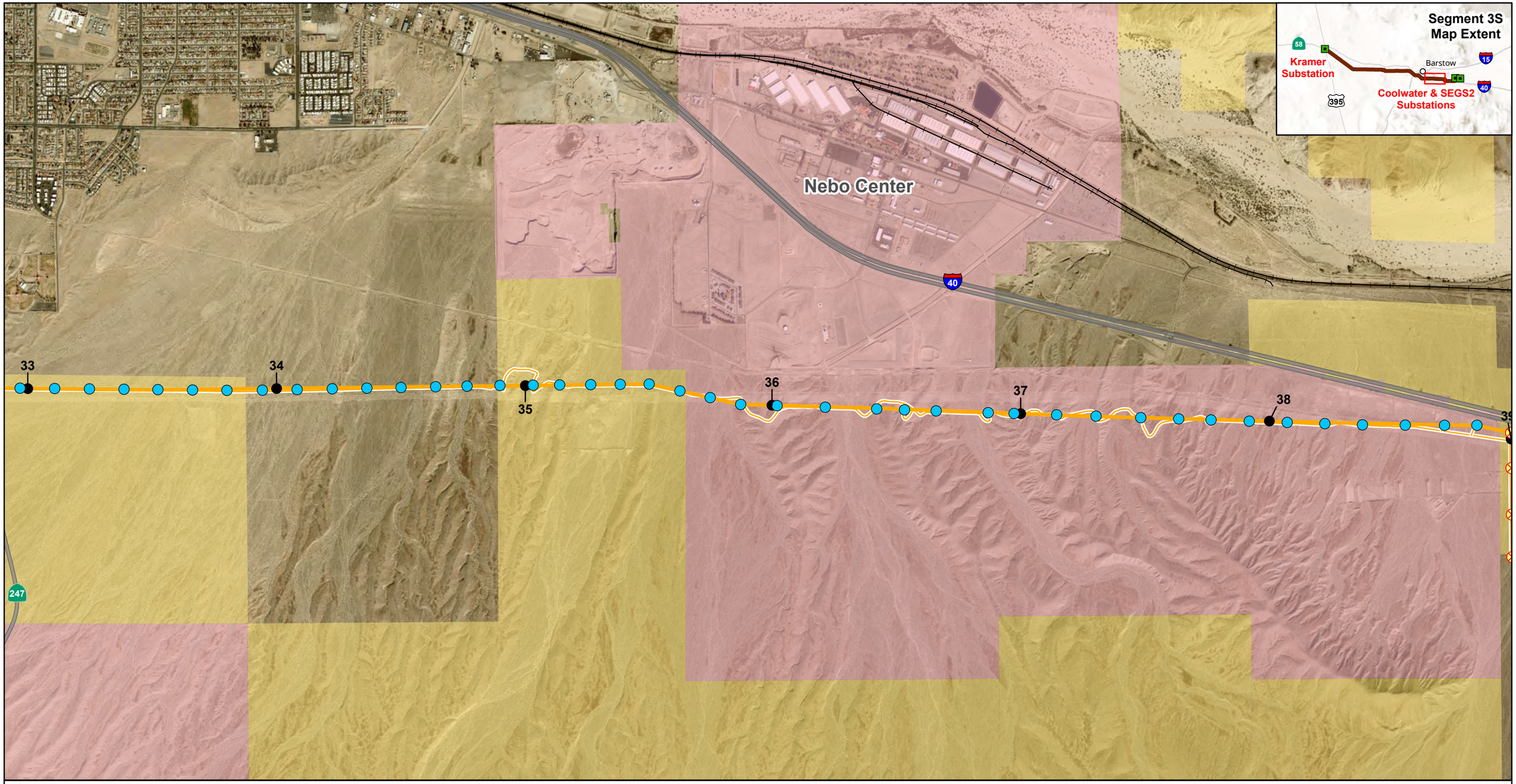
Land Management/Ownership
- Bureau of Land Management
- LADWP and Local Government
- State

Segment 3S Strip Map

Sheet 6 of 8

1:24,000

N 0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Subtransmission Structures
- Existing Structure
- New-Remove-Existing

- Milepost (1.0)
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- Railroad

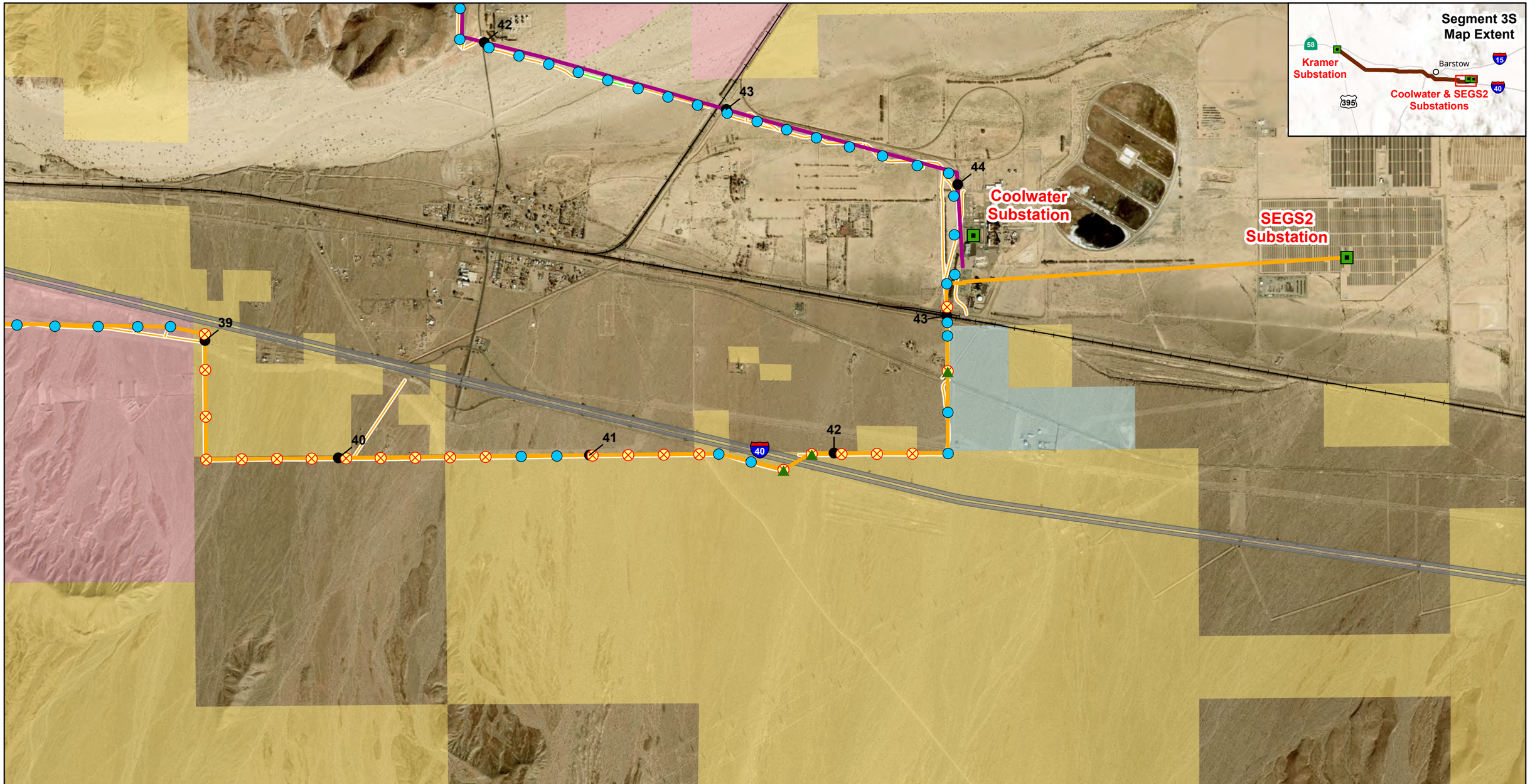
Land Management/Ownership
- Bureau of Land Management
- Military

Segment 3S Strip Map

Sheet 7 of 8

1:24,000

N 0 2,000 Feet



Sources: Aspen, 2024; BLM, 2024; ESRI, 2024; SCE, 2024.

Segment 3S Strip Map

Sheet 8 of 8

Subtransmission Structures
- Existing Structure
- New-Remove-Existing
- Structure to be Removed

- Milepost (1.0)
- Substation
- Segment 3N: Kramer-Coolwater
- Segment 3S: Kramer-Tortilla-Coolwater

Roads
- Existing Access Road
- New Access Road
- Railroad

Land Management/Ownership
- Bureau of Land Management
- Military
- State

1:24,000

N 0 2,000 Feet

Appendix 2

EMF FIELD MANAGEMENT PLAN

ARCADIS Design & Consultancy for natural and built assets

Mesa Associates, Inc.
Engineers and Consultants

Southern California Edison

EMF FIELD MANAGEMENT PLAN FOR THE SCE TLRR IVANPAH-CONTROL PROJECT

Appendix F - 4/13/2020
Issue 12 – 3/20/2020

Prepared for:

Kevin Garrity, PE
Southern California Edison
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Pomona, CA 91768

cc: Warnetta Logan
Phil Hung

Prepared by:
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320 Commerce, Suite 200
Irvine, CA 92602
Tel: +1 714-508-2601

Our Ref.:
30002904 and 30002905

Date:
March 20, 2020

[Signature 1 Name]
[Title]

[Signature 2 Name]
[Title]

[Signature 3 Name]
[Title]

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VERSION CONTROL

Issue	Date Issued	Page No.	Description	Reviewed by
1	3/8/2019	All pages.	Initial release. Combined all IC segments into one report.	B. Wanex
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12	3/20/2020	104	Changed arrow direction.	B. Wanex

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ACRONYMS AND ABBREVIATIONS

A, Amps	Amperes, a unit of measure for electrical current
AC	Alternating current
AAC	All aluminum conductor, a type of overhead power line conductor
ACCC	Aluminum conductor composite core, a type of "high-temperature low-sag" overhead power line conductor
ACSR	Aluminum conductor steel reinforced, a type of overhead power line conductor
CAISO	California Independent System Operator
CDHS	California Department of Health Services
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
DI	Ductile Iron, a type of transmission structure
ELF	Extremely low frequency
EMF	Electric and magnetic fields
EPRI	Electric Power Research Institute
FMP	Field Management Plan
Ft	Feet, a unit of measure for distance
GO	General Order
HTLS	High-temperature low-sag, a type of overhead conductor
Hz	Hertz, a unit of measure for electrical frequency
IARC	International Agency for Research on Cancer
IEEE	Institute of Electrical and Electronics Engineers
IEC	International Electrotechnical Commission
IC	Ivanpah – Control transmission line
kcmil	Kilo (thousand) circular mils, a unit of conductor size and measurement
kV	Kilovolt, a unit of measure for electrical potential
LWS	Light weight steel, a type of transmission structure
mG	milliGauss, a unit of measure for magnetic fields
NIEHS	National Institute of Environmental Health Sciences (USA)
NRBB	National Radiological Protection Board (UK)
°	Degrees, a unit of measure for electric phasors
OHGW	Overhead ground wire
OPGW	Optical ground wire
PEA	Proponent's Environmental Assessment

PTC	Permit to Construct
PLS-CADD	A software program for transmission line design
ROW	Right of way
SCE	Southern California Edison
Str	Structure
TLRR	Transmission Line Rating and Remediation
T/L	Transmission Line
TSP	Tubular steel pole, a type of transmission structure
µT	Microtesla, a unit of measure for magnetic fields
WHO	World Health Organization

EXECUTIVE SUMMARY

The Field Management Plan (FMP) presented in this report describes the magnetic field reduction design options incorporated into the design of the Southern California Edison Company's (SCE) Ivanpah – Control (IC) Project, which consists of modifications to the following existing 115 kilovolt (kV) subtransmission circuits:

- Control-Haiwee-Inyokern 115 kV subtransmission circuit
- Control-Haiwee-Coso-Inyokern 115 kV subtransmission circuit
- Kramer-Randsburg-Inyokern 115 kV subtransmission circuit
- Kramer-Coolwater 115 kV subtransmission circuit
- Kramer-Tortilla 115 kV subtransmission circuit
- Coolwater-Tortilla 115 kV subtransmission circuit
- Ivanpah-Mountain Pass-Baker-Dunn Siding-Coolwater 115 kV subtransmission circuit

Segments and Sections

These circuits are divided into separate segments and are further sub-categorized into multiple sections. The purpose of the IC Project is to ensure compliance with the California Public Utilities Commission's (CPUC) General Order 95 (GO 95) and North American Electric Reliability Corporation (NERC) Facility Ratings through remediating physical clearance discrepancies identified on existing 115 kV subtransmission lines.

As discussed in greater detail in the Proponent's Environmental Assessment (PEA), SCE has identified a variety of ways to accomplish the IC Project. For purposes of a conservative and complete analysis of all potential environmental impacts associated with the IC Project, the remediation scope of work includes a combination of complete rebuild of existing SCE facilities (including replacing existing structures and utilizing a new conductor), reconductoring only, and circuit derating. These five segments are denoted for purposes of the IC Project as Segment 1, Segment 2, Segment 3 North or "3N", Segment 3 South or "3S", and Segment 4. Details pertaining to the 115 kV subtransmission line infrastructure are provided in the PEA; a summary of the scope of work in each Segment is as follows:

- Segment 1: SCE has identified that a full rebuild of the subtransmission lines in Segment 1 is the most feasible approach to remediate these discrepancies.

- Segment 2: SCE has identified that a full rebuild of the subtransmission line in Segment 2 is the most feasible approach to remediate these discrepancies.

- Segment 3N (3 North): SCE has identified that reconductoring of the subtransmission line, in combination with replacement of a small number of structures, can be utilized to remediate the identified discrepancies.

- Segment 3S (3 South): SCE has identified that reconductoring and derating of the subtransmission line, in combination with replacement of a small number of structures, can be utilized to remediate the identified discrepancies.

- Segment 4: SCE has identified that derating the subtransmission circuit in Segment 4, in combination with the replacement of some existing structures and the construction of a ring bus at the existing Baker Substation, can be utilized to remediate the identified discrepancies.

Codes and Standards

The FMP for the IC Project of the IC Project has been prepared in accordance with the CPUC Interim EMF Decision No. 06-01-042 ("2006 CPUC Decision") and general recommendations supported by the U.S. National Institute of Environmental Health Sciences and also satisfies the CPUC approved EMF Design Guidelines as well as all national and state safety standards for reconductoring and new electric facilities.

Magnetic Field Reduction Measures

SCE provides this FMP to inform all interested parties of the evaluation of "no-cost and low-cost" magnetic field reduction design options being considered and the proposed application of these design options in the IC Project. The FMP also provides a summary of background information regarding current scientific research related to possible health effects of EMF and the CPUC EMF Policy.

"No-Cost" Magnetic Field Reduction Design Options

The "no-cost" magnetic field reduction design options that are incorporated into the design of the IC Project include the following utilization of structure types and characteristics which reduce and minimize the electrical and magnetic field (EMF): Vertical and delta conductor configurations, double-circuit monopole structure configurations, and taller structure heights are used in areas with potential overhead clearance discrepancies, thus increasing ground clearance and minimizing EMF in locations outside the right-of-way (ROW).

"Low-Cost" Magnetic Field Reduction Design Options

The only "low-cost" magnetic field reduction measure incorporated into the design of the IC Project is the utilization of post-construction phasing arrangement to minimize EMF.

The "no-cost and low-cost" magnetic field reduction design options implemented in the IC Project are described in Table 1. Several portions of the IC Project alignment which are of specific interest for the EMF study are noted in the table and further addressed in the EMF study for safety concerns. The most significant EMF conditions in each residential area will be modeled and graphed to address previous science studies.

Table 1 – "Low Cost and No Cost" Options Considered & Adopted for Project

Segment & Section	Start Structure	End Structure	EMF Reduction Design Options	Estimated Cost	Structures in Residential Area
IC Segment 1 Section 1	Control Substation	Structure 214	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	35-37, 53-56, 137-138
IC Segment 1 Section 2 - 3	Structure 214	Structure 683	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	N/A
IC Segment 1 Section 4	Structure 683	Structure 912	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	706-708

Segment & Section	Start Structure	End Structure	EMF Reduction Design Options	Estimated Cost	Structures in Residential Area
IC Segment 1 Section 5	Structure 912	Inyokern	Conductor Arrangement Double Circuit Construction Structure Heights Phasing Circuits	No cost No cost No cost Low cost	1042-1050
IC Segment 2 Section 1 - 2	Kramer Substation	Randsburg Substation	Conductor Arrangement Structure Heights	No cost No cost	121165-121166
IC Segment 2 Section 3 - 4	Randsburg Substation	Inyokern Substation	Conductor Arrangement Structure Heights	No cost No cost	N/A
IC Segment 3N	Kramer Substation	Coolwater Substation	Structure Heights	No cost	1546399E_ 1546400E - W1546395E_ E1546396E
IC Segment 3S Section 1	Kramer Substation	Tortilla Substation	Structure Heights	No cost	NA560118AE_ SA560118BE - NA560117AE_ SA560117BE, NA560194AE_ SA560194BE - NA560193AE_ SA560193BE
IC Segment 3S Section 2	Tortilla Substation	Coolwater Substation	Structure Heights	No cost	N/A
IC Segment 4 Sections 1 - 7	Coolwater Substation	Dunn Siding Substation	Conductor Arrangement Structure Heights	No cost No cost	128571-128572 & 128608-128609
IC Segment 4 Section 8 - 14	Dunn Siding Substation	Baker Substation	Conductor Arrangement Structure Heights	No cost No cost	N/A
IC Segment 4 Section 15 - 25	Baker Substation	Structure Ivanpah	Conductor Arrangement Structure Heights	No cost No cost	N/A

EMF BACKGROUND AND PUBLIC RESEARCH

There are many sources of power frequency[1] electric and magnetic fields, including internal household and building wiring, electrical appliances, and electric power transmission and distribution lines. There have been numerous scientific studies about the potential health effects of EMF. After many years of research, the scientific community has been unable to determine if exposures to EMF cause health

[1] In the U.S., the power frequency is 60 Hertz (Hz).

hazards. State and federal public health regulatory agencies have determined that setting numeric exposure limits is not appropriate.[2]

Magnetic fields use the units of microtesla (μT) and milligauss (mG). One μT is equal to 10 mG.

Many of the questions about possible connections between EMF exposures and specific diseases have been successfully resolved due to an aggressive international research program. However, potentially important public health questions remain about whether there is a link between EMF exposures and certain diseases, including childhood leukemia and a variety of adult diseases (e.g., adult cancers and miscarriages). As a result, some health authorities have identified magnetic field exposures as a possible human carcinogen. As summarized in greater detail below, these conclusions are consistent with the following published reports: the National Institute of Environmental Health Sciences (NIEHS) 1999[3], the National Radiation Protection Board (NRPB) 2001[4], the International Commission on non-Ionizing Radiation Protection (ICNIRP) 2001, the California Department of Health Services (CDHS) 2002[5], the International Agency for Research on Cancer (IARC) 2002[6] and the World Health Organization (WHO) 2007[7]. The federal government conducted EMF research as a part of a $45-million research program managed by the NIEHS. This program, known as the EMF RAPID (Research and Public Information Dissemination), submitted its final report to the U.S. Congress on June 15, 1999.

The report concluded that:

- "The scientific evidence suggesting that ELF-EMF exposures pose any health risk is weak."[8]
- "The NIEHS concludes that ELF-EMF exposure cannot be recognized as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard."[9]
- "The NIEHS suggests that the level and strength of evidence supporting ELF-EMF exposure as a human health hazard are insufficient to warrant aggressive regulatory actions; thus, we do not recommend actions such as stringent standards on electric appliances and a national program to bury all transmission and distribution lines. Instead, the evidence suggests passive measures such as a continued emphasis on educating both the public and the regulated community on means aimed at reducing exposures. NIEHS suggests that the power industry continue its current practice of siting power lines to reduce exposures and continue to explore ways to reduce the creation of magnetic fields around transmission and distribution lines without creating new hazards."[10]

In 2001, Britain's NRPB arrived at a similar conclusion:

> "After a wide-ranging and thorough review of scientific research, an independent Advisory Group to the Board of NRPB has concluded that the power frequency electromagnetic fields that exist in the vast majority of homes are not a cause of cancer in general. However, some epidemiological studies

[2] CPUC Decision 06-01-042, p. 6, footnote 10.
[3] National Institute of Environmental Health Sciences' Report on Health Effects from Exposures to Power-Line frequency Electric and Magnetic Fields, NIH Publication No. 99-4493, June 1999.
[4] National Radiological Protection Board, Electromagnetic Fields and the Risk of Cancer, Report of an Advisory Group on Non-ionizing Radiation, Chilton, U.K. 2001.
[5] California Department of Health Services, An Evaluation of the Possible Risks from Electric and Magnetic Fields from Power Lines, Internal Wiring, Electrical Occupations, and Appliances, June 2002.
[6] World Health Organization / International Agency for Research on Cancer, IARC Monographs on the evaluation of carcinogenic risks to humans (2002), Non-ionizing radiation, Part 1: Static and extremely low frequency (ELF) electric and magnetic fields, IARC Press, Lyon, France: International Agency for Research on Cancer, Monograph, vol. 80, p. 338, 2002.
[7] WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, 2007.
[8] National Institute of Environmental Health Sciences, NIEHS Report on Health Effects from Exposures to Power-Frequency Electric and Magnetic Fields, p. ii, NIH Publication No. 99-4493, 1999.
[9] *Ibid.*, p. iii.
[10] *Ibid.*, p. 37 – 38

do indicate a possible small risk of childhood leukemia associated with exposures to unusually high levels of power frequency magnetic fields."[11]

In 2002, three scientists for CDHS concluded:

"To one degree or another, all three of the [CDHS] scientists are inclined to believe that EMFs can cause some degree of increased risk of childhood leukemia, adult brain cancer, Lou Gehrig's disease, and miscarriage. They [CDHS] strongly believe that EMFs do not increase the risk of birth defects, or low birth weight.

They [CDHS] strongly believe that EMFs are not universal carcinogens, since there are a number of cancer types that are not associated with EMF exposure. To one degree or another they [CDHS] are inclined to believe that EMFs do not cause an increased risk of breast cancer, heart disease, Alzheimer's disease, depression, or symptoms attributed by some to a sensitivity to EMFs. However, all three scientists had judgments that were "close to the dividing line between believing and not believing" that EMFs cause some degree of increased risk of suicide. For adult leukemia, two of the scientists are 'close to the dividing line between believing or not believing' and one was 'prone to believe' that EMFs cause some degree of increased risk."[12]

Also, in 2002, the World Health Organization's (WHO) IARC concluded:

"EMF magnetic fields are possibly carcinogenic to humans"[13], based on consistent statistical associations of high-level residential magnetic fields with a doubling of risk of childhood leukemia...Children who are exposed to residential EMF magnetic fields less than 0.4 microTesla (4.0 milliGauss) have no increased risk for leukemia…. In contrast, "no consistent relationship has been seen in studies of childhood brain tumors or cancers at other sites and residential EMF electric and magnetic fields."[14]

In June of 2007, the WHO issued a report on their multi-year investigation of EMF and the possible health effects. After reviewing scientific data from numerous EMF and human health studies, they concluded:

- "Scientific evidence suggesting that everyday, chronic low-intensity (above 0.3- 0.4 μT [3-4 mG]) power-frequency magnetic field exposure poses a health risk is based on epidemiological studies demonstrating a consistent pattern of increased risk for childhood leukemia."[15] "In addition, virtually all of the laboratory evidence and the mechanistic evidence fail to support a relationship between low-level ELF magnetic fields and changes in biological function or disease status. Thus, on balance, the evidence is not strong enough to be considered causal, but sufficiently strong to remain a concern."[16]
- "A number of other diseases have been investigated for possible association with ELF magnetic field exposure. These include cancers in both children and adults, depression, suicide, reproductive dysfunction, developmental disorders, immunological modifications and neurological disease. The scientific evidence supporting a linkage between ELF magnetic fields and any of these diseases is much weaker than for childhood leukemia and in some cases (for example, for cardiovascular disease or breast cancer) the evidence is sufficient to give confidence that magnetic fields do not cause the disease"[17]

[11] NRPB, NRPB Advisory Group on Non-ionizing Radiation Power Frequency Electromagnetic Fields and the Risk of Cancer, NRPB Press Release May 2001.
[12] CDHS, An Evaluation of the Possible Risks From Electric and Magnetic Fields (EMFs) From Power Lines, Internal Wiring, Electrical Occupations and Appliances, p. 3, 2002.
[13] IARC, Monographs, Part I, Vol. 80, p. 338.
[14] *Ibid*., p. 332 – 334.
[15] WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, p. 11 - 13, 2007.
[16] *Ibid*., p. 12.
[17] *Ibid*., p. 12.

- "Furthermore, given both the weakness of the evidence for a link between exposure to ELF magnetic fields and childhood leukemia, and the limited impact on public health if there is a link, the benefits of exposure reduction on health are unclear. Thus, the costs of precautionary measures should be very low."[18]

APPLICATION OF CPUC EMF POLICY

Recognizing the scientific uncertainty over the connection between EMF exposures and health effects, the CPUC adopted a policy that addresses public concern over EMF with a combination of education, information, and precaution-based approaches. Specifically, Decision 93-11-013 established a precautionary based "no-cost and low-cost" EMF policy for California's regulated electric utilities based on recognition that scientific research had not demonstrated that exposures to EMF cause health hazards and that it was inappropriate to set numeric standards that would limit exposure.

In 2006, the CPUC completed its review and update of its EMF Policy in Decision 06-01-042. This decision reaffirmed the finding that state and federal public health regulatory agencies have not established a direct link between exposure to EMF and human health effects,[19] and the policy direction that (1) use of numeric exposure limits was not appropriate in setting utility design guidelines to address EMF,[20] and (2) existing "no-cost and low-cost" precautionary-based EMF policy should be continued for proposed electrical facilities. The decision also reaffirmed that EMF concerns brought up during Certificate of Public Convenience and Necessity (CPCN) and Permit to Construct (PTC) proceedings for electric and transmission and substation facilities should be limited to the utility's compliance with the CPUC's "no-cost and low-cost" policies.[21]

The decision directed regulated utilities to hold a workshop to develop standard approaches for EMF Design Guidelines and such a workshop was held on February 21, 2006. Consistent design guidelines have been developed that describe the routine magnetic field reduction measures that regulated California electric utilities consider for new and upgraded transmission line and transmission substation projects. SCE filed its revised EMF Design Guidelines with the CPUC on July 26, 2006.

"No-cost and low-cost" measures to reduce magnetic fields would be implemented for the IC Project in accordance with SCE's EMF Design Guidelines. In summary, the process of evaluating "no-cost and low-cost" magnetic field reduction measures and prioritizing within and between land usage classes considers the following:

1. SCE's priority in the design of any electrical facility is public and employee safety. Without exception, design and construction of an electric power system must comply with all applicable federal, state, and local regulations, applicable safety codes, and each electric utility's construction standards. Furthermore, transmission and Subtransmission lines and substations must be constructed so that they can operate reliably at their design capacity. Their design must be compatible with other facilities in the area and the cost to operate and maintain the facilities must be reasonable.

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[18] *Ibid*., p. 13.
[19] CPUC Decision 06-01-042, Conclusion of Law No. 5, mimeo. p. 19 ("As discussed in the rulemaking, a direct link between exposure to EMF and human health effects has yet to be proven despite numerous studies including a study ordered by this Commission and conducted by DHS.")
[20] CPUC Decision 06-01-042, mimeo. p. 17 - 18 ("Furthermore, we do not request that utilities include nonroutine mitigation measures, or other mitigation measures that are based on numeric values of EMF exposure, in revised design guidelines or apply mitigation measures to reconfigurations or relocations of less than 2,000 feet, the distance under which exemptions apply under GO 131-D. Non-routine mitigation measures should only be considered under unique circumstances.").
[21] CPUC Decision 06-01-042, Conclusion of Law No. 2, ("EMF concerns in future CPCN and PTC proceedings for electric and transmission and substation facilities should be limited to the utility's compliance with the Commission's low-cost/no-cost policies.").

2. As a supplement to Step 1, SCE follows the CPUC's direction to undertake "no-cost and low-cost" magnetic field reduction measures for new and upgraded electrical facilities. Any proposed "no-cost and low-cost" magnetic field measures, must, however, meet the requirements described in Step 1 above. The CPUC defines "no-cost and low-cost" measures as follows:

    - Low-cost measures, in aggregate, should:
        - Cost in the range of 4 percent of the total project cost.
        - Result in magnetic field reductions of "15% or greater at the utility R-O-W [right-of-way]…"[22]

    The CPUC Decision stated:

    "We direct the utilities to use 4 percent as a benchmark in developing their EMF mitigation guidelines. We will not establish 4 percent as an absolute cap at this time because we do not want to arbitrarily eliminate a potential measure that might be available but costs more than the 4 percent figure. Conversely, the utilities are encouraged to use effective measures that cost less than 4 percent."[23]

3. The CPUC provided further policy direction in Decision 06-01-042, stating that, "although equal mitigation for an entire class is a desirable goal, we will not limit the spending of EMF mitigation to zero on the basis that not all class members can benefit."[24] While Decision 06-01-042 directs the utilities to favor schools, day-care facilities and hospitals over residential areas when applying low-cost magnetic field reduction measures, prioritization within a class can be difficult on a project case-by-case basis because schools, day-care facilities, and hospitals are often integrated into residential areas, and many licensed day-care facilities are housed in private homes, and can be easily moved from one location to another. Therefore, it may be practical for public schools, licensed day-care centers, hospitals, and residential land uses to be grouped together to receive highest prioritization for low-cost magnetic field reduction measures. Commercial and industrial areas may be grouped as a second priority group, followed by recreational and agricultural areas as the third group. Low-cost magnetic field reduction measures will not be considered for undeveloped land, such as open space, state and national parks, and Bureau of Land Management and U.S. Forest Service lands. When spending for low-cost measures would otherwise disallow equitable magnetic field reduction for all areas within a single land-use class, prioritization can be achieved by considering location and/or density of permanently occupied structures on lands adjacent to the projects, as appropriate.

This FMP contains descriptions of various magnetic field models and the calculated results of magnetic field levels based on those models. These calculated results are provided only for purposes of identifying the relative differences in magnetic field levels among various subtransmission line design alternatives under a specific set of modeling assumptions and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more at the edges of the ROW. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location if and when the IC Project is constructed. This is because magnetic field levels depend upon a variety of variables, including load growth, customer electricity usage, and other factors beyond SCE's control. The CPUC affirmed this in D. 06-01-042 stating:

> "Our [CPUC] review of the modeling methodology provided in the utility [EMF] design guidelines indicates that it accomplishes its purpose, which is to measure the relative differences between alternative mitigation measures. Thus, the modeling indicates relative differences in magnetic field

[22] CPUC Decision 06-01-042, p. 10.
[23] CPUC Decision 93-11-013, § 3.3.2, p.10.
[24] CPUC Decision 06-01-042, p. 10.

reductions between different transmission line construction methods but does not measure actual environmental magnetic fields."[25]

PROJECT DESCRIPTION

The IC Project design seeks to resolve all clearance discrepancies present in the existing subtransmission lines and incorporate an overhead fiber optic static wire to improve the reliability of the line. The IC Project alignment starts at SCE's Ivanpah Substation and ends at SCE's Control Substation.

The IC Project alignment is approximately 358 miles long. The existing subtransmission lines associated with the IC Project are predominantly lattice towers, lattice H-frames, wood H-frames, and some single delta wood pole structures. The structures located between Control Substation and Inyokern Substation are configured with vertical double circuits with one shield wire above the conductors for lightning protection. The structures located between Inyokern Substation and Ivanpah Substation are configured with the three phases horizontally spaced with dual overhead shield wires above the conductors for lightning protection in limited areas.

The existing subtransmission lines are comprised of 4/0 "Penguin" Aluminum Conductor Steel Reinforced (ACSR), 795 kcmil All Aluminum Conductor (AAC) "Arbutus", and 336 kcmil "Oriole" ACSR sections with select spans of 954 kcmil 37/0 AAC and 653.9 kcmil 18/3 ACSR in the section between Kramer Substation and Inyokern Substation. The original subtransmission lines were constructed between 1912 and 1969, with some modifications implemented in the last decade.

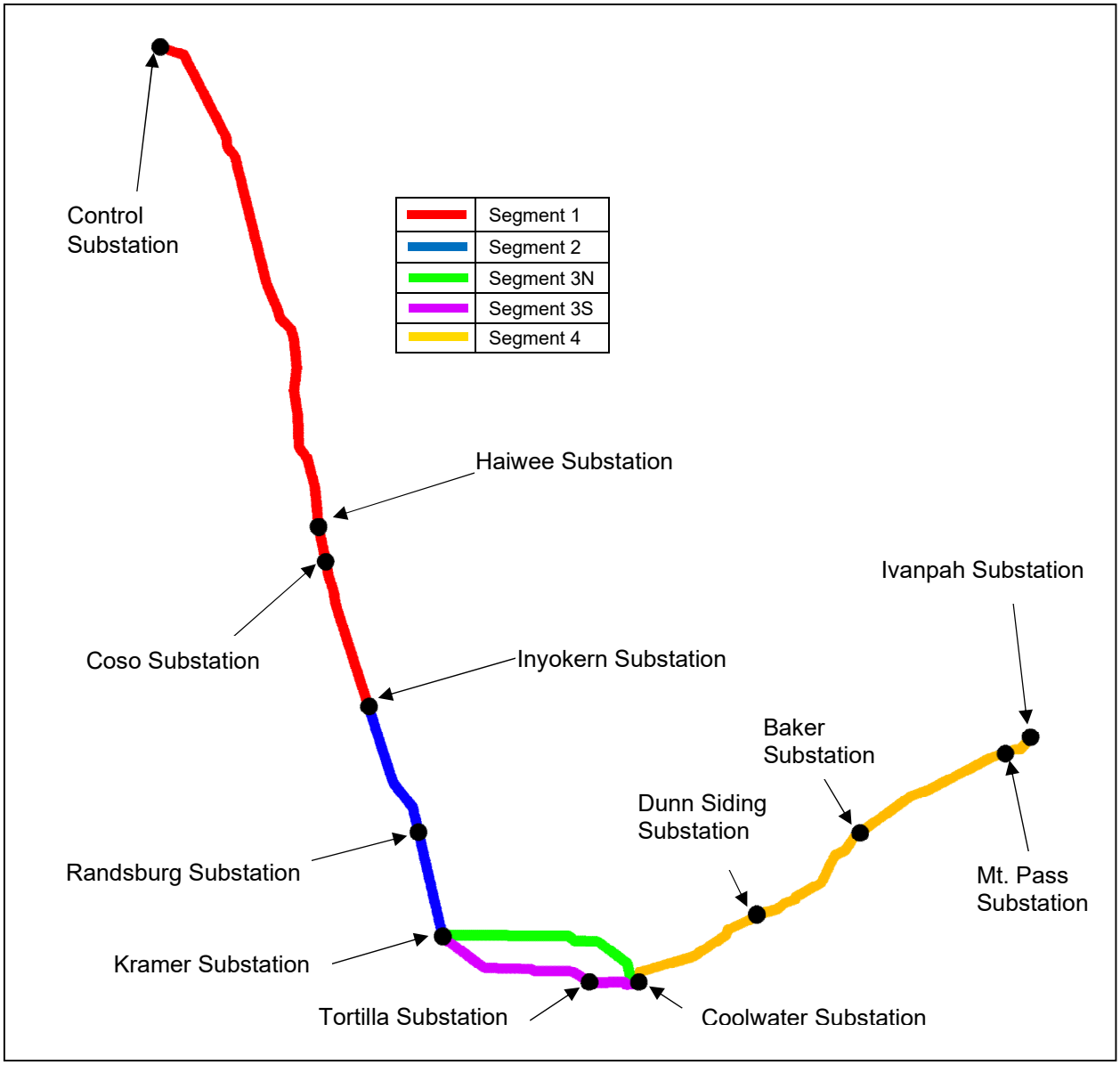
The original IC Project, included in SCE's July 2019 Application, proposed a complete rebuild of each of the subtransmission lines included in the Project, including the removal of all existing structures and conductor and the installation of new structures and conductor. The currently-proposed IC Project, included in SCE's April 2020 Application, proposes a complete rebuild of two subtransmission lines, the reconductor of two other subtransmission lines, and the derating of one subtransmission line. The location of this work, and the scopes of work along each subtransmission line, are presented in the 'Geographic Segments' and 'Summary of IC Project Components by Segment' sections below.

[25] CPUC Decision 06-01-042, p. 11.

GEOGRAPHIC SEGMENTS

The construction activities proposed under the IC Project are described in detail for each geographic segment, including the planned structure and conductor removals and installations and approximate line length values. For visual reference, Figure 1 depicts the location of each segment along the IC Project alignment.

Figure 1 – IC Project Subtransmission Line Route Segments



The IC Project has been divided into the following phase arrangement segments in the PEA. The sections are further subdivisions of the lines based on the line design and phasing.

Table 2 – IC Project Segment 1, 126.2 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 1 Section 1	Control Substation	Structure 214	25.6 miles
IC Segment 1 Section 2	Structure 214	Structure 442	27.7 miles
IC Segment 1 Section 3	Structure 442	Structure 683	25.4 miles
IC Segment 1 Section 4	Structure 683	Structure 912	27.2 miles
IC Segment 1 Section 5	Structure 912	Inyokern Substation	20.3 miles

Table 3 – IC Project Segment 2, 48.3 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 2 Section 1	Kramer Substation	Structure 121255	15.5 miles
IC Segment 2 Section 2	Structure 121255	Randsburg Substation	11.0 miles
IC Segment 2 Section 3	Randsburg Substation	Structure 121042	15.6 miles
IC Segment 2 Section 4	Structure 121042	Inyokern Substation	6.2 miles

Table 4 – IC Project Segments 3N & 3S, 44.4 & 43.5 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 3N	Kramer Substation	Coolwater Substation	44.4 miles
IC Segment 3S Section 1	Kramer Substation	Tortilla Substation	32.1 miles
IC Segment 3S Section 2	Tortilla Substation	Coolwater Substation	11.4 miles

Table 5 – IC Project Segment 4, 95.3 miles, Approximate Section Lengths

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 4 Section 1	Coolwater Substation	Structure 128574	5.6 miles
IC Segment 4 Section 2	Structure 128574	Structure 128595	3.0 miles
IC Segment 4 Section 3	Structure 128595	Structure 128638	6.0 miles
IC Segment 4 Section 4	Structure 128638	Structure 128660	3.1 miles
IC Segment 4 Section 5	Structure 128660	Structure 128699	5.6 miles
IC Segment 4 Section 6	Structure 128699	Structure 128716	2.4 miles

Segment & Section	Start Structure	End Structure	Approx. Length
IC Segment 4 Section 7	Structure 128716	Dunn Siding Substation	2.7 miles
IC Segment 4 Section 8	Dunn Siding Substation	Structure 128753	2.6 miles
IC Segment 4 Section 9	Structure 128753	Structure 128774	2.9 miles
IC Segment 4 Section 10	Structure 128774	Structure 128817	5.9 miles
IC Segment 4 Section 11	Structure 128817	Structure 128840	3.0 miles
IC Segment 4 Section 12	Structure 128840	Structure 128882	5.9 miles
IC Segment 4 Section 13	Structure 128882	Structure 128904	3.0 miles
IC Segment 4 Section 14	Structure 128904	Baker Substation	4.3 miles
IC Segment 4 Section 15	Baker Substation	Structure 128949	2.0 miles
IC Segment 4 Section 16	Structure 128949	Structure 128971	3.1 miles
IC Segment 4 Section 17	Structure 128971	Structure 1281015	6.3 miles
IC Segment 4 Section 18	Structure 1281015	Structure 1281039	3.4 miles
IC Segment 4 Section 19	Structure 1281039	Structure 1281082	6.2 miles
IC Segment 4 Section 20	Structure 1281082	Structure 1281104	3.1 miles
IC Segment 4 Section 21	Structure 1281104	Structure 1281146	5.8 miles
IC Segment 4 Section 22	Structure 1281146	Structure 1281167	2.6 miles
IC Segment 4 Section 23	Structure 1281167	Mt. Pass Substation	0.9 miles
IC Segment 4 Section 24	Mt. Pass Substation	Structure 1281210	4.8 miles
IC Segment 4 Section 25	Structure 1281210	Ivanpah Substation	1.1 miles

SUMMARY OF IC PROJECT COMPONENTS BY SEGMENT

IC Project Segment 1 Section 1, Control Substation – Str. 214

- Remove all existing structures.
- Install approximately 119 TSP and 62 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove Aluminum Conductor Composite Core (ACCC) conductor along the 25.6 mile segment.

IC Project Segment 1 Section 2, Str. 214 – Str. 442
- Remove all existing structures.
- Install approximately 87 TSP and 95 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 27.7 mile segment.

IC Project Segment 1 Section 3, Str. 442 – Str. 683
- Remove all existing structures.
- Install approximately 90 TSP and 96 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 25.4 mile segment.

IC Project Segment 1 Section 4, Str. 683 – Str. 912
- Remove all existing structures.
- Install approximately 63 TSP and 134 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 27.2 mile segment.

IC Project Segment 1 Section 5, Str. 912 – Inyokern Substation
- Remove all existing structures.
- Install approximately 149 TSP and 10 LWS Structures.
- Reconductor the subtransmission lines by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 20.3 mile segment.

IC Project Segment 2 Section 1, Kramer Substation – Str. 121255
- Remove all existing structures except Str 121134A.
- Install approximately 118 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 15.5 mile segment.

IC Project Segment 2 Section 2, Str. 121255 – Randsburg Substation
- Remove all existing structures.
- Install approximately 87 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 11.0 mile segment.

IC Project Segment 2 Section 3, Randsburg Substation – Str. 121042
- Remove all existing structures.
- Install approximately 108 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 15.6 mile segment.

IC Project Segment 2 Section 4, Str. 121042 – Inyokern Substation
- Remove all existing structures.
- Install approximately 30 TSP and no LWS Structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 6.2 mile segment.

IC Project Segment 3N, Kramer Substation – Coolwater Substation
- Install 11 structures of various types to match existing structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 44.4 mile segment.

IC Project Segment 3S Section 1, Kramer Substation – Tortilla Substation

- Install 11 structures of various types to match existing structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 32.1 mile segment.

IC Project Segment 3S Section 2, Tortilla Substation – Coolwater Substation

- Install 4 structures of various types to match existing structures.
- Reconductor the subtransmission line by removing all existing conductor and installing 714 kcmil Dove ACCC conductor along the 11.4 mile segment.

IC Project Segment 4 Section 1, Coolwater Substation – Str. 128574

- Install 4 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 2, Str. 128574 – Str. 128595

- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 3, Str. 128595 – Str. 128638

- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 4, Str. 128638– Str. 128660

- Install 1 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 5, Str. 128660 – Str. 128699

- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 6, Str. 128699 – Str. 128716

- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 7, Str. 128716 – Dunn Siding Substation

- Install 4 structures of various types to match existing structures.
- The existing line will be derated to 165 Amps to minimize sag.

IC Project Segment 4 Section 8, Dunn Siding Substation – Str. 128753

- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 9, Str. 128753 – Str. 128774

- Install 1 structure to match existing structure.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 10, Str. 128774 – Str. 128817

- Install 5 structures of various types to match existing structures.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 11, Str. 128817– Str. 128840

- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 12, Str. 128840 – Str. 128882

- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 13, Str. 128882 – Str. 128904

- Install 1 structure to match existing structure.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 14, Str. 128904 – Baker Substation
- Install 2 structures of various types to match existing structures.
- The existing line will be derated to 150 Amps to minimize sag.

IC Project Segment 4 Section 15, Baker Substation – Str. 128949
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 16, Str. 128949 – Str. 128971
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 17, Str. 128971 – Str. 1281015
- Install 3 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 18, Str. 1281015 – Str. 1281039
- Install 5 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 19, Str. 1281039 – Str. 1281082
- Install 14 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 20, Str. 1281082 – Str. 1281104
- Install 5 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 21, Str. 1281104 – Str. 1281146
- Install 6 structures of various types to match existing structures.
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 22, Str. 1281146 – Str. 1281167
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 23, Str. 1281167 – Mt. Pass Substation
- The existing line will be derated to 215 Amps to minimize sag.

IC Project Segment 4 Section 24, Mt. Pass Substation – Str. 1281210
- Install 2 structures of various types to match existing structures.
- The existing line will be derated to 240 Amps to minimize sag.

IC Project Segment 4 Section 25, Str. 1281210 – Ivanpah Substation
- The existing line will be derated to 240 Amps to minimize sag.

EVALUATION OF MAGNETIC FIELD REDUCTION DESIGN OPTIONS

Ivanpah – Control Segment 1, Control - Inyokern

A series of EMF analyses was completed for the subtransmission lines included in the IC Project located in Segment 1, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 2 – Figure 11 and Table 8 – Table 12. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperages of 415A per each of the double circuit lines. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 2, Kramer - Randsburg - Inyokern

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 2, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 12 – Figure 19 and Table 13 – Table 16. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage of 830A. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 3N, Kramer - Coolwater

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 3N, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 20 – Figure 21 and Table 17. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage of 950A. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 3S, Kramer - Tortilla - Coolwater

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 3S, and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 22 – Figure 25 and Table 18 – Table 19. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage of 975A. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Ivanpah – Control Segment 4, Ivanpah - Mt. Pass - Baker - Dunn Siding - Coolwater

A series of EMF analyses was completed on the subtransmission lines included in the IC Project located in Segment 4 and a calculated typical EMF profile is shown for each segment as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 26 – Figure 75 and Table 20 – Table 44. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the derated amperages as listed in Table 6 below. The derated amperages are based on the PLS-CADD model for clearance mitigations. Values shown in this report are not meant to be predictive of any date or any time but are to be used for a comparison of structure arrangements.

Table 6 – Segment 4 Non-Derated vs. Derated Amps

Segment	Section	To	From	2008 CAISO Normal Rating (Amps)	Derated (Amps)
4	1 - 7	Coolwater	Dunn Siding	415	165
4	8 - 14	Dunn Siding	Baker	415	150
4	15 - 23	Baker	Mountain Pass	415	215
4	24 - 25	Mountain Pass	Ivanpah	415	240

Residential Graphs

An additional series of EMF analyses were completed on the subtransmission lines in residential areas throughout the project. Calculated typical EMF profiles are shown for these locations as well as an existing conditions calculation. The calculated magnetic fields can be found in Figure 76 – Figure 97 and Table 45 – Table 55. The magnetic field calculations were obtained using the proposed line design's PLS-CADD model and the 2008 CAISO amperage in each area. Values shown in this report are not meant to be predictive of any date or any times.

MAGNETIC FIELD ASSUMPTIONS

- Magnetic field characteristics were modeled using PLS-CADD software.
- Magnetic field models and the calculated results of magnetic field levels present in this document are intended only for the purposes of identifying relative differences in the magnetic field levels for the purpose of comparison and discussion of design alternatives to determine if a 15% or more reduction of magnetic field levels at the edges of the right of way can be achieved. These calculated results are not intended to be applied as actual predictions of magnetic fields at any specific time or location during or following project construction.
- All lines were modeled with balanced line currents and standard phases. Variation of phasing did not matter as long as the opposite circuit was modeled appropriately.
- Amperages and phasing were supplied by SCE. The amperages used to calculate the EMF for the IC Project were furnished by SCE for the 2008 CAISO ratings.
- Where data did not exist for the non-SCE parallel lines, reasonable assumptions were made for phase arrangement, conductor sizes, and load amperages.
- Existing conductor heights were based on preliminary subtransmission line models.
- Wire height used is the height of the wire where the target point is projected upon it.
- Wire position is determined by the currently displayed weather case.
- The current conductor type, ACSR, sags much more than the proposed conductor type, ACCC, resulting in lower EMF values. This generally leads to lower EMF results for the ACCC conductors.
- Magnetic field strength was calculated at a height of 3 feet above the terrain surface.
- Calculations were made at mid span.
- All calculations based on the EPRI Red Book methods (2nd Edition, 1982 - infinite straight wire with flat earth approximation), assuming flat terrain.
- These approximations are only valid for low frequency (50-60 Hz) AC transmission lines.
- The effects of earth return currents (earth resistivity) are ignored when calculating the magnetic field.
- 2008 CAISO Normal Ratings (Amps) provided by SCE for Circuit without the Proposed Project:

Table 7 – 2008 CAISO Normal Ratings

Description	Segment	2008 CAISO Normal Rating (Amps)
Control-Haiwee-Inyokern; Control Tap	1	830 (415 per line)
Control-Coso-Haiwee-Inyokern; Control Tap	1	830 (415 per line)
Kramer-Inyokern-Randsburg No. 1	2	830
Kramer-Coolwater	3N	950
Kramer-Tortilla	3S	975
Coolwater Segs 2 - Tortilla	3S	975

Description	Segment	2008 CAISO Normal Rating (Amps)
Ivanpah-Baker-Coolwater-Dunn Siding-Mountain Pass; Mountain Pass to Baker	4	415

FINAL RECOMMENDATIONS FOR MAGNETIC FIELD REDUCTION DESIGN

The IC Project design can benefit from double circuit construction, and vertical and delta conductor arrangement. Implementing both low cost and no cost measures significantly reduces the magnetic field and potential exposure risk well below CPUC approved EMF Design Guidelines as well as all national and state safety standards for reconductoring or new electric facilities.

Reduction Measures

1. Arrange conductors in a vertical or delta configuration for magnetic field reduction. This is considered a no cost measure as the entire line maintains the recommended phase arrangement.

2. Utilize double-circuit construction that reduces spacing between circuits as compared with single-circuit construction.

3. Utilize structure heights that meet or exceed EMF preferred design criteria of SCE.

4. After construction, change the phase arrangement as the circuit enters the substation thereby changing the final phasing to further reduce the magnetic field.

SEGMENT GRAPHS

These graphs are based on calculations that occur on spans that are the lowest within each section. In each of the Typical Magnetic Field Levels graphs presented in this document, the term "Proposed Project" is synonymous with the "IC Project" as described in Chapter 3 of the IC Project PEA document.

Segment 1 Section 1

Figure 2 - Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 169 - 170 at 415 Amps

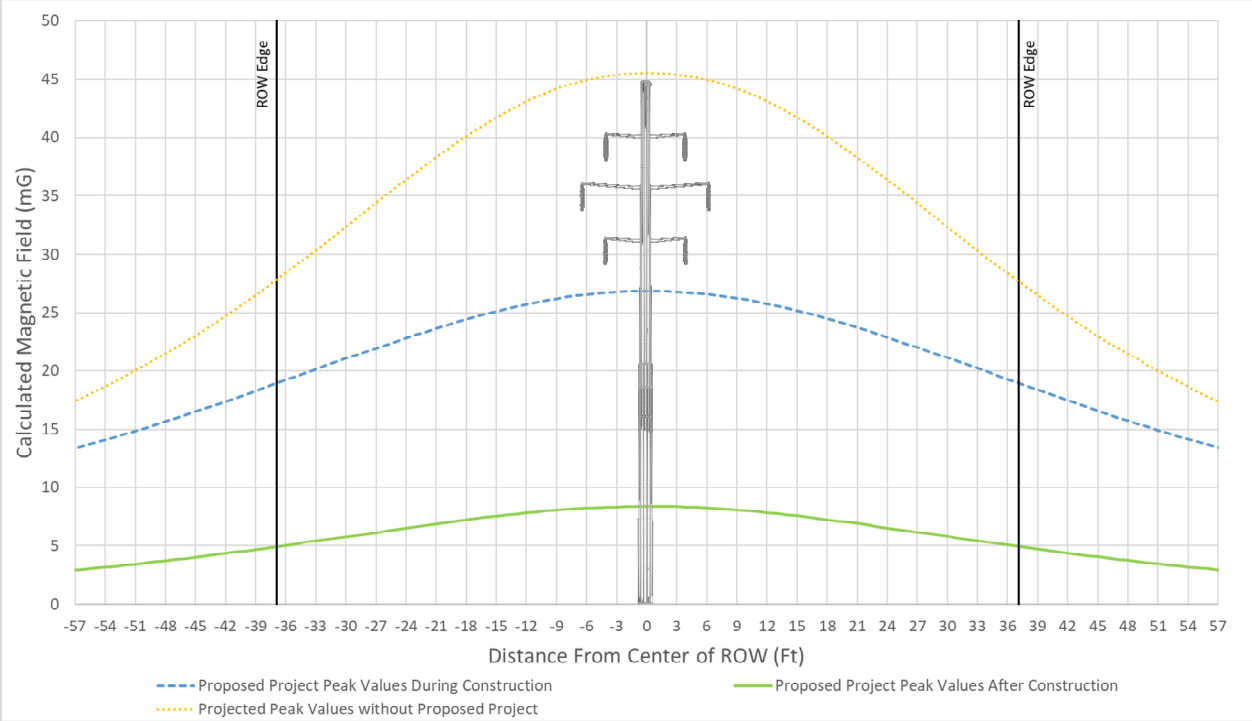


Table 8 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 1 Str. 169 - 170

Design Options	Left Edge (mG)	% Change[26]	Right Edge (mG)	% Change[26]
Projected Peak Values without Proposed Project 115 kV T/L	27.766	N/A	27.744	N/A
Proposed Project Peak Values 115 kV T/L During Construction	18.896	32% Decrease	18.975	32% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	4.915	82% Decrease	4.946	82% Decrease

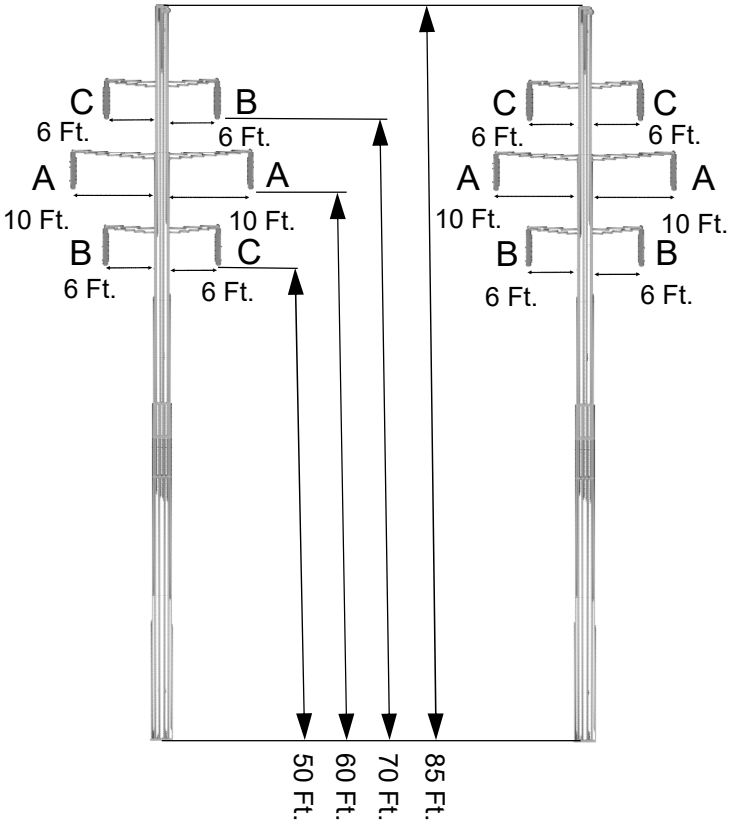
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 85 Ft. Length – 4 Ft.

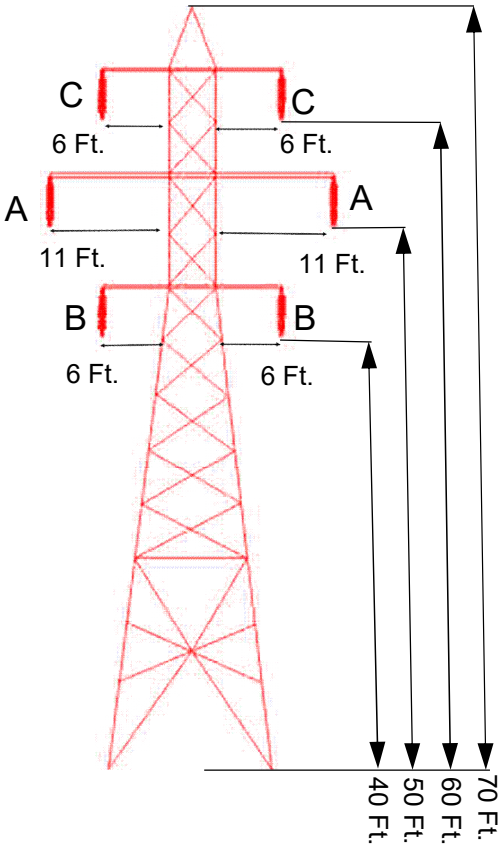
[26] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 3 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 2

Figure 4 - Typical Magnetic Field Levels for Segment 1 Section 2 Structure 214 – Structure 442, Str. 251 - 252 at 415 Amps

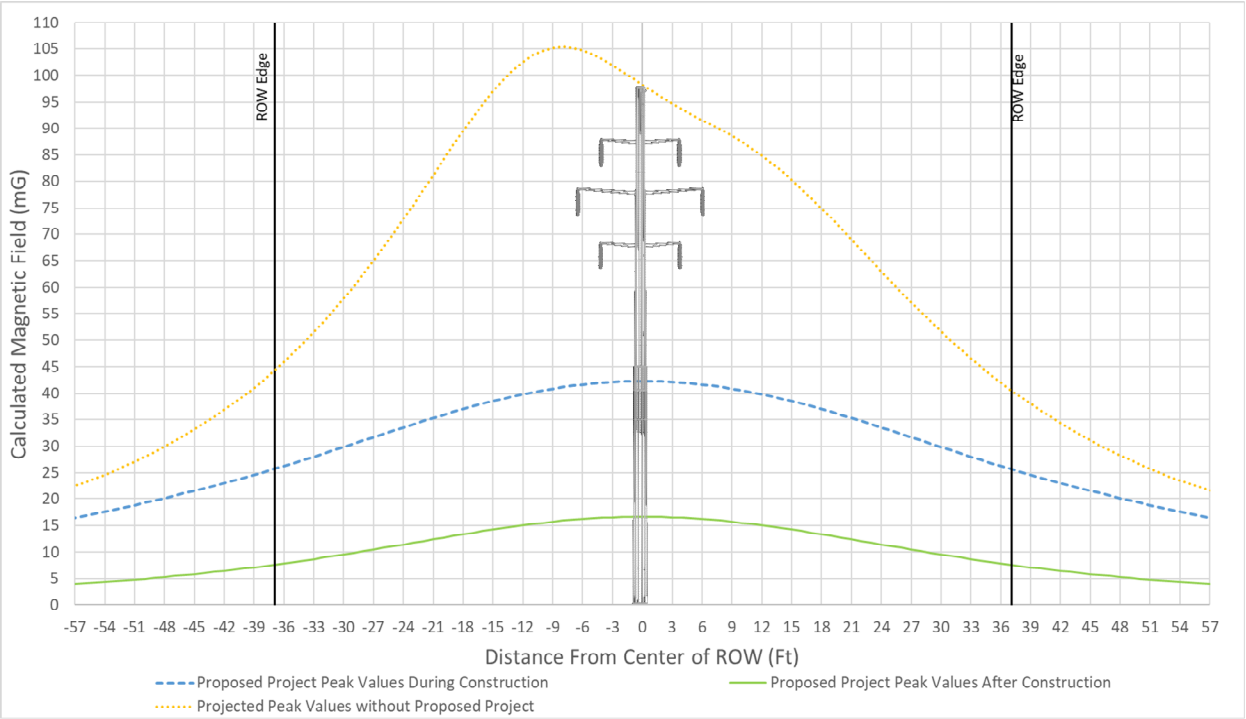


Table 9 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 2 Str. 251 - 252

Design Options	Left Edge (mG)	% Change[27]	Right Edge (mG)	% Change[27]
Projected Peak Values without Proposed Project 115 kV T/L	44.226	N/A	40.615	N/A
Proposed Project Peak Values 115 kV T/L During Construction	25.722	42% Decrease	25.722	37% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	7.674	83% Decrease	7.674	81% Decrease

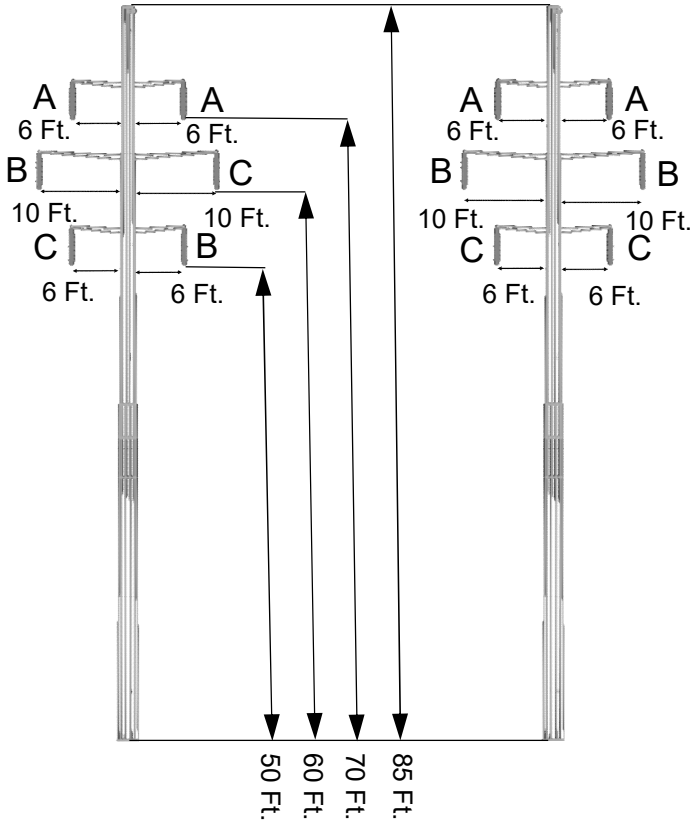
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 85 Ft. Length – 4 Ft.

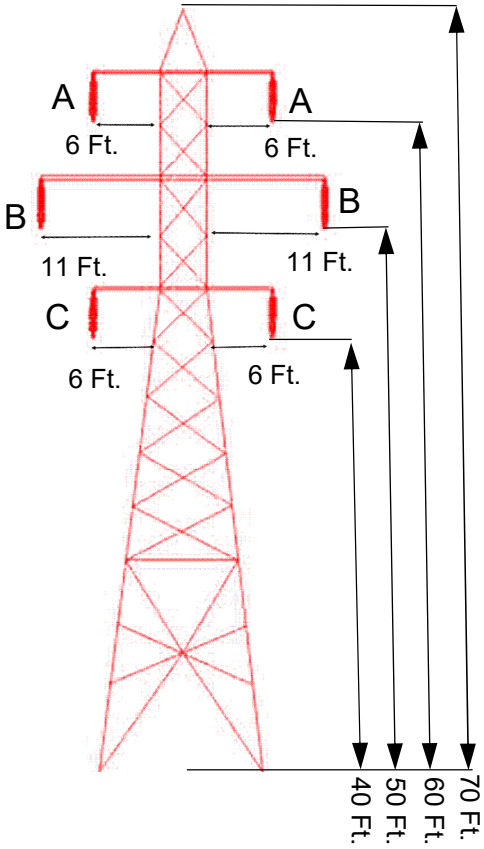
[27] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 5 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 3

Figure 6 - Typical Magnetic Field Levels for Segment 1 Section 3 Structure 442 – Structure 683, Str. 544 - 545 at 415 Amps

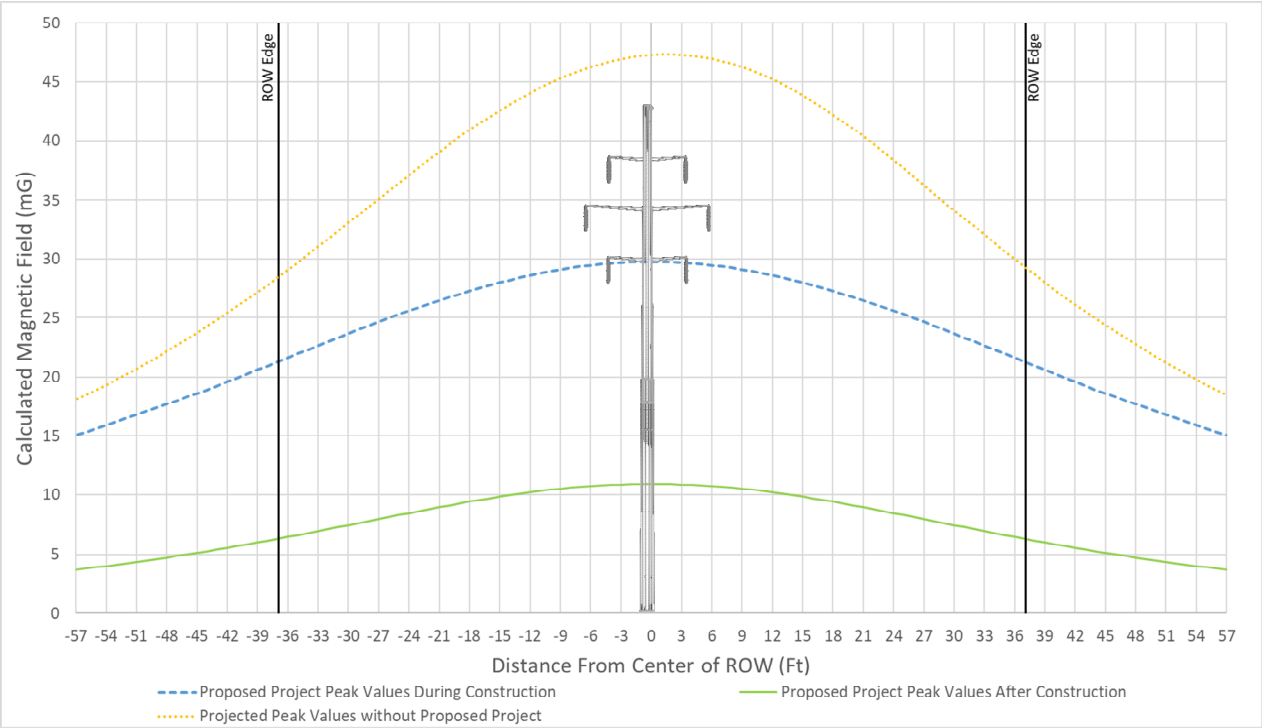


Table 10 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 3 Str. 544 - 545

Design Options	Left Edge (mG)	% Change[28]	Right Edge (mG)	% Change[28]
Projected Peak Values without Proposed Project 115 kV T/L	28.439	N/A	29.318	N/A
Proposed Project Peak Values 115 kV T/L During Construction	21.294	25% Decrease	21.294	27% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	6.307	78% Decrease	6.307	78% Decrease

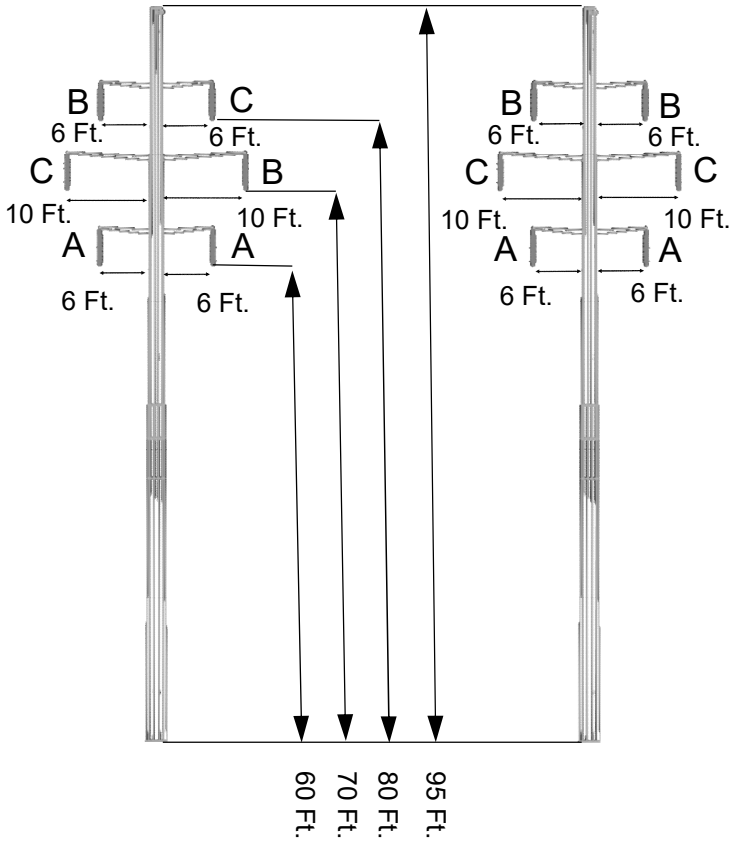
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 95 Ft. Length – 4 Ft.

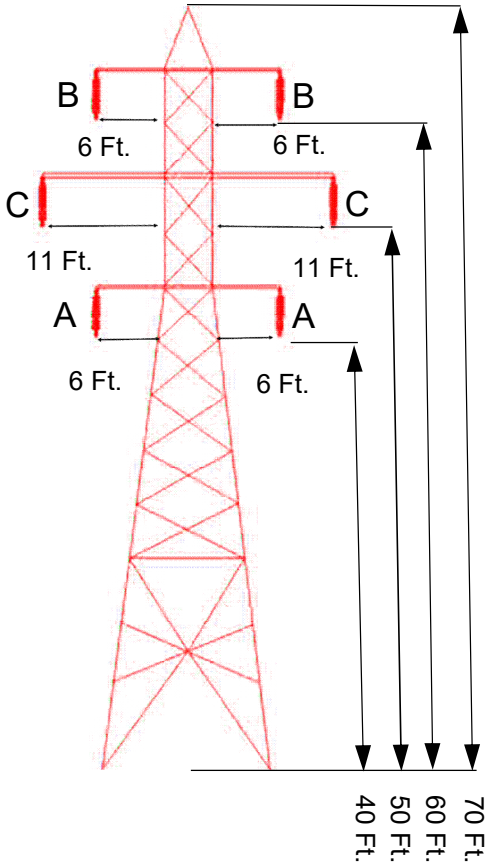
[28] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 7 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 4

Figure 8 - Typical Magnetic Field Levels for Segment 1 Section 4 Structure 683 – Structure 912, Str. 768 - 769 at 415 Amps

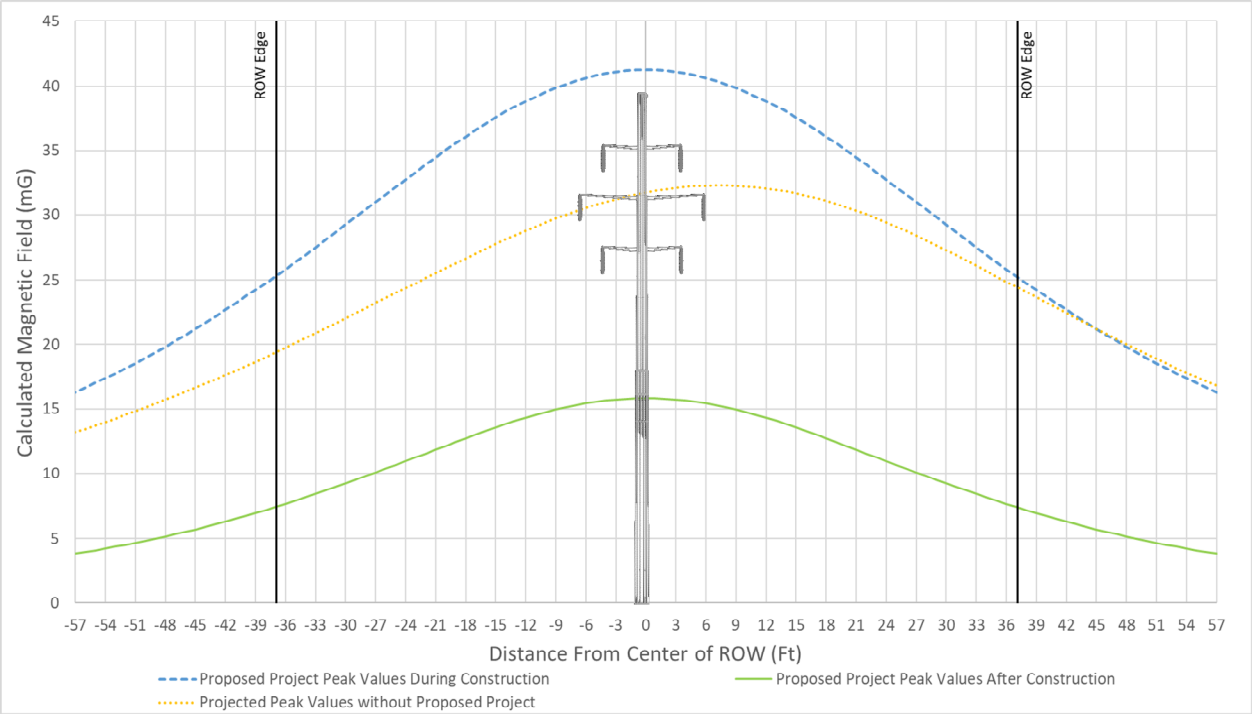


Table 11 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 4 Str. 768 - 769

Design Options	Left Edge (mG)	% Change[29]	Right Edge (mG)	% Change[29]
Projected Peak Values without Proposed Project 115 kV T/L	19.376	N/A	24.466	N/A
Proposed Project Peak Values 115 kV T/L During Construction	25.273	30% Increase	25.273	3% Increase
Proposed Project Peak Values 115 kV T/L After Construction	7.404	62% Decrease	7.404	70% Decrease

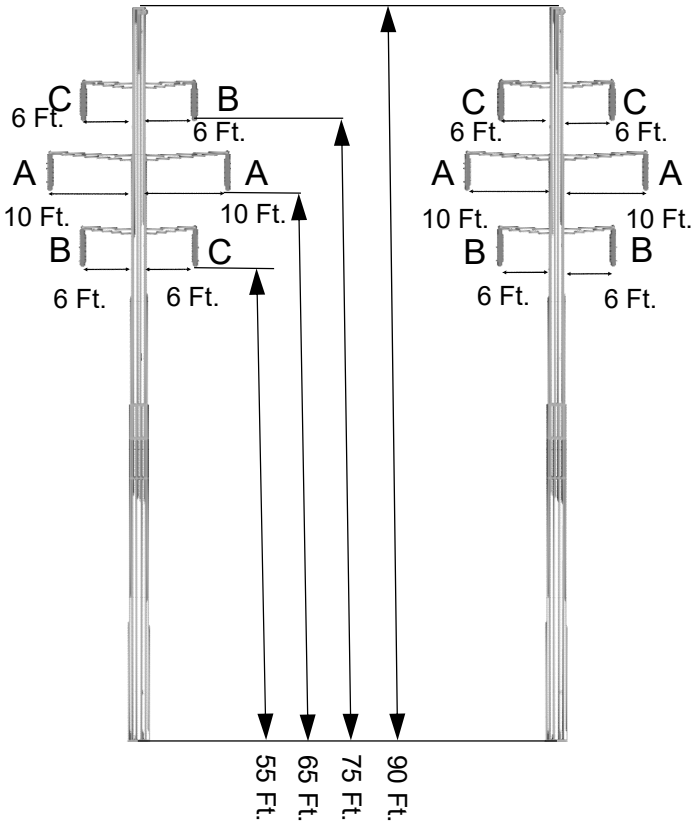
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 90 Ft. Length – 4 Ft.

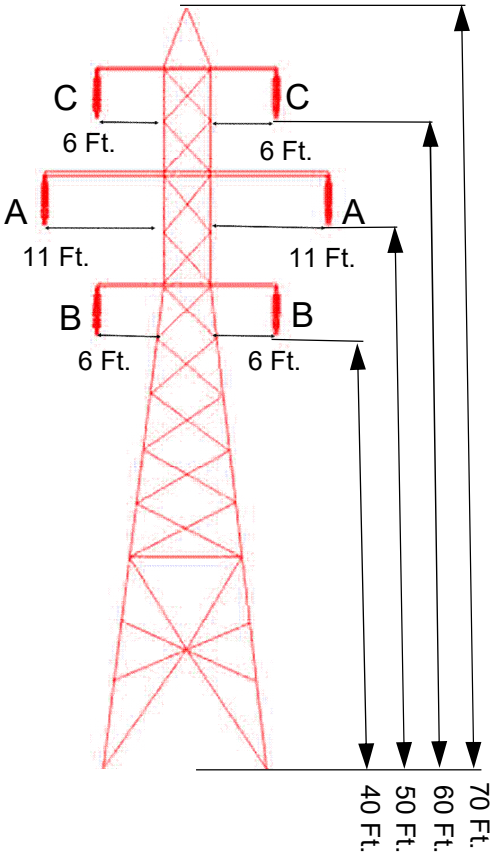
[29] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 9 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 1 Section 5

Figure 10 - Typical Magnetic Field Levels for Segment 1 Section 5 Structure 912 – Inyokern Substation, Str. 957 - 958 at 415 Amps

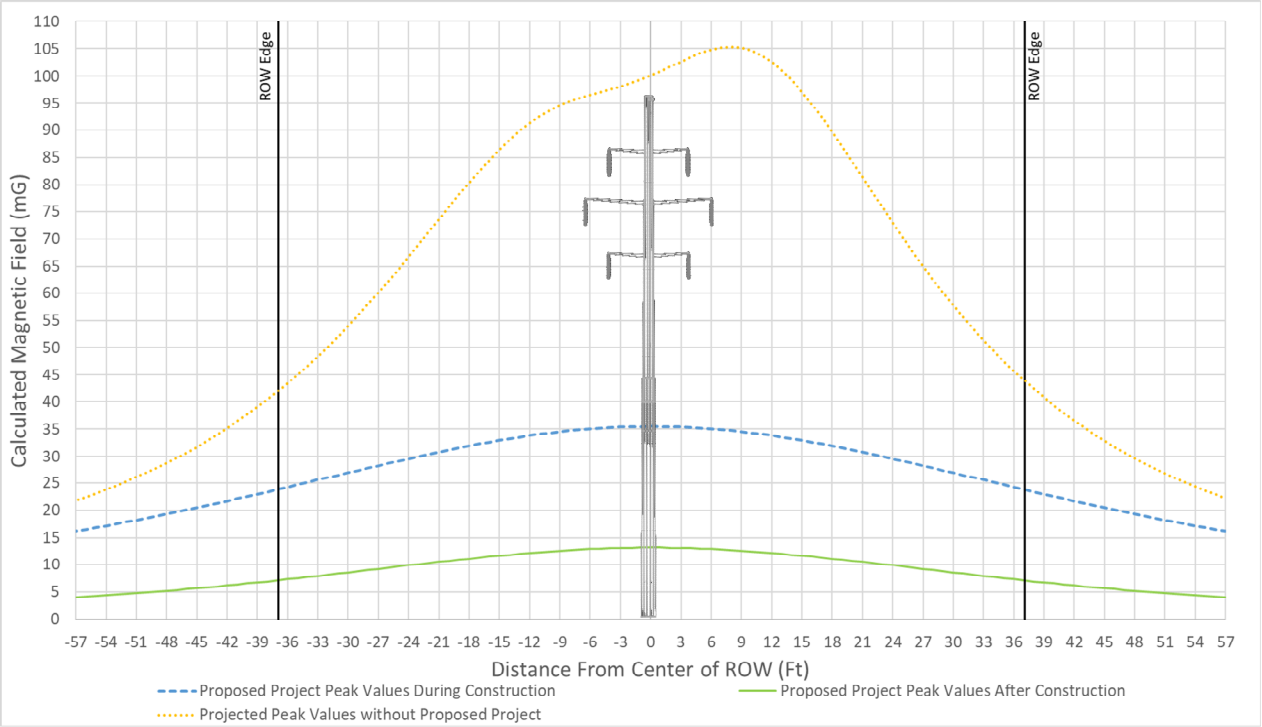


Table 12 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 5 Str. 957 - 959

Design Options	Left Edge (mG)	% Change[30]	Right Edge (mG)	% Change[30]
Projected Peak Values without Proposed Project 115 kV T/L	41.893	N/A	43.987	N/A
Proposed Project Peak Values 115 kV T/L During Construction	23.83	43% Decrease	23.83	46% Decrease
Proposed Project Peak Values 115 kV T/L After Construction	7.088	83% Decrease	7.088	84% Decrease

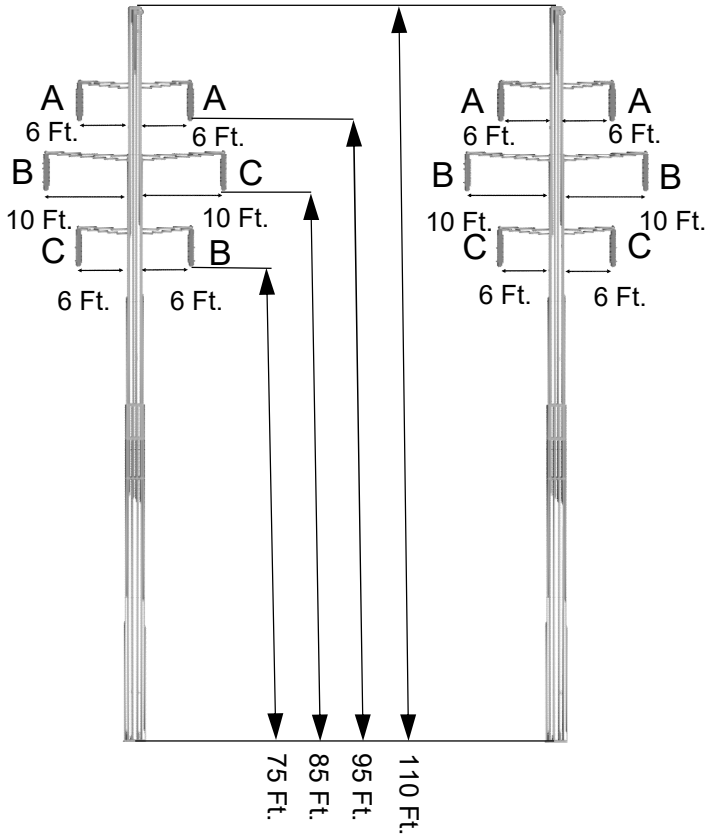
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 85 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 110 Ft. Length – 4 Ft.

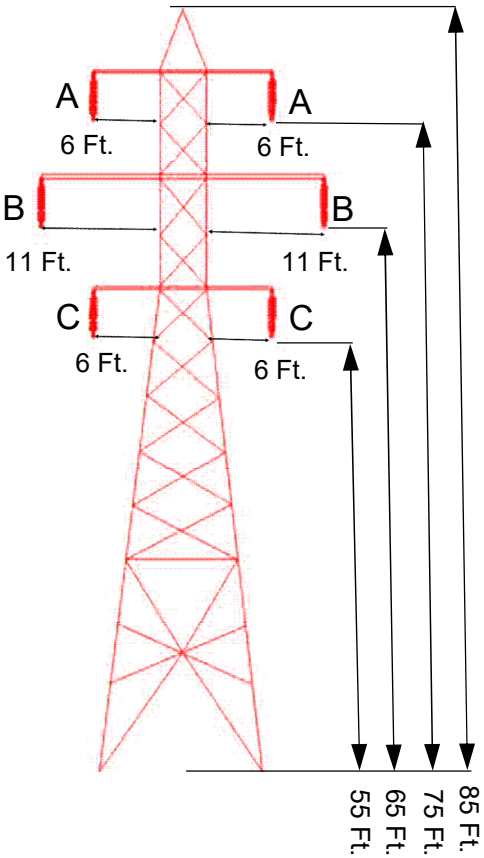
[30] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 11 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale

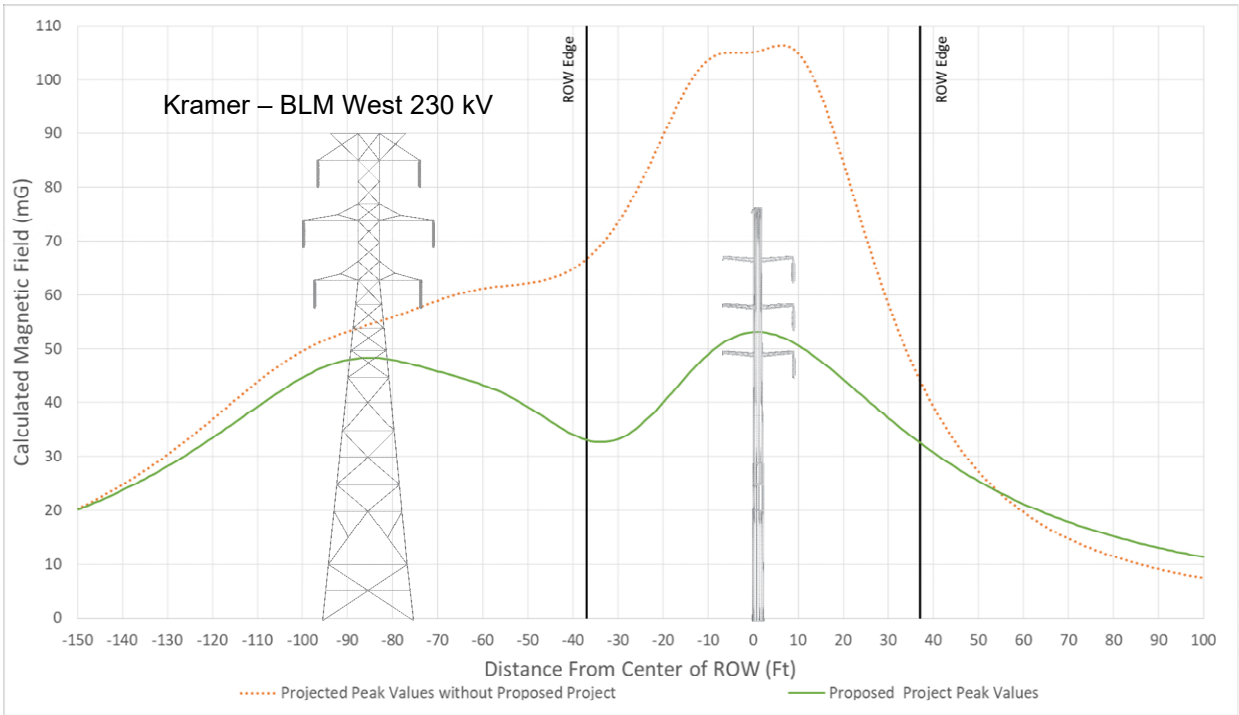


Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Note: The phasing shown is due to the transposition requirements for this section of the line.

Segment 2 Section 1

Figure 12 - Typical Magnetic Field Levels for Segment 2 Section 1 Kramer Substation – Structure 121255, Str. 121257 - 121256 at 830 Amps



Assuming Curlew ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 13 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 1 Str. 121257 - 121256

Design Options	Left Edge (mG)	% Change[31]	Right Edge (mG)	% Change[31]
Projected Peak Values without Proposed Project 115 kV T/L	66.195	N/A	43.518	N/A
Proposed Project Peak Values 115 kV T/L	32.969	50% Decrease	32.276	26% Decrease

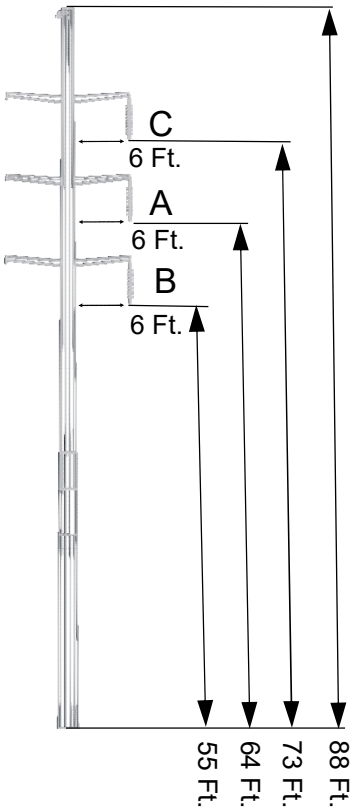
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

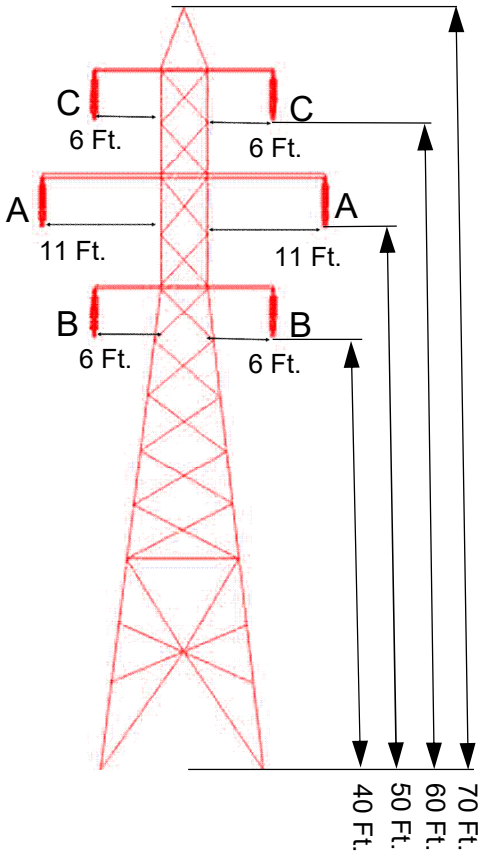
Proposed Construction and Insulator Length
Height – 88 Ft. Length – 4 Ft.

[31] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 13 – Tower and Insulator Dimensions and Phasing



Proposed:
Single Circuit – Monopole
Figure not to Scale



Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 2

Figure 14 - Typical Magnetic Field Levels for Segment 2 Section 2 Structure 121255 – Randsburg Substation, Str. 121170 - 121169 at 830 Amps

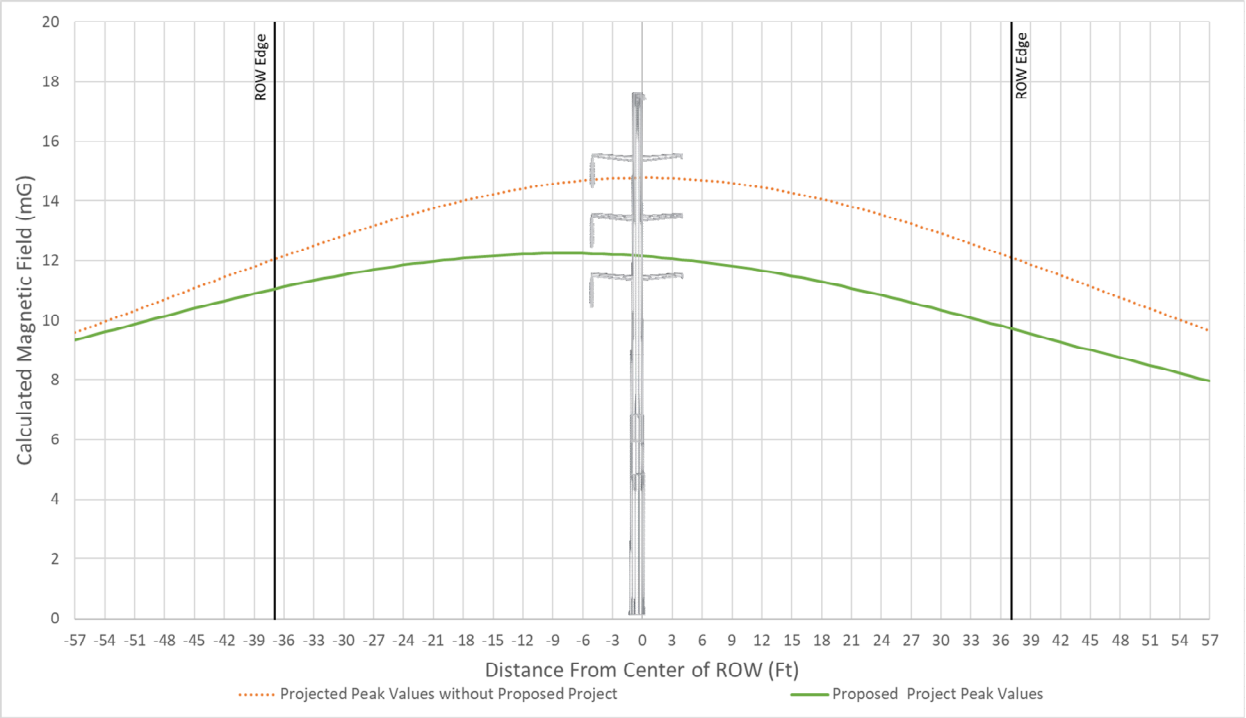


Table 14 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 2 Str. 121170 - 121169

Design Options	Left Edge (mG)	% Change[32]	Right Edge (mG)	% Change[32]
Projected Peak Values without Proposed Project 115 kV T/L	12.046	N/A	12.111	N/A
Proposed Project Peak Values 115 kV T/L	11.04	8% Decrease	9.732	20% Decrease

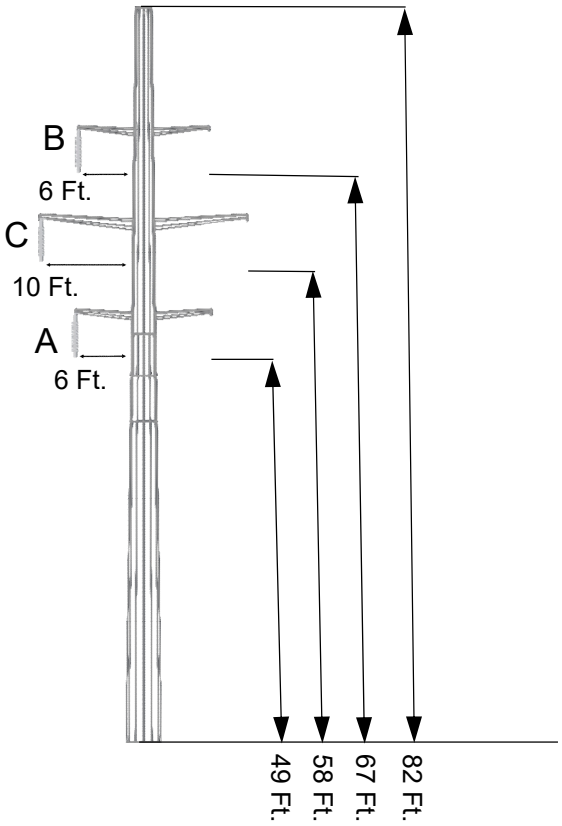
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 71 Ft. Length – 4.5 Ft.

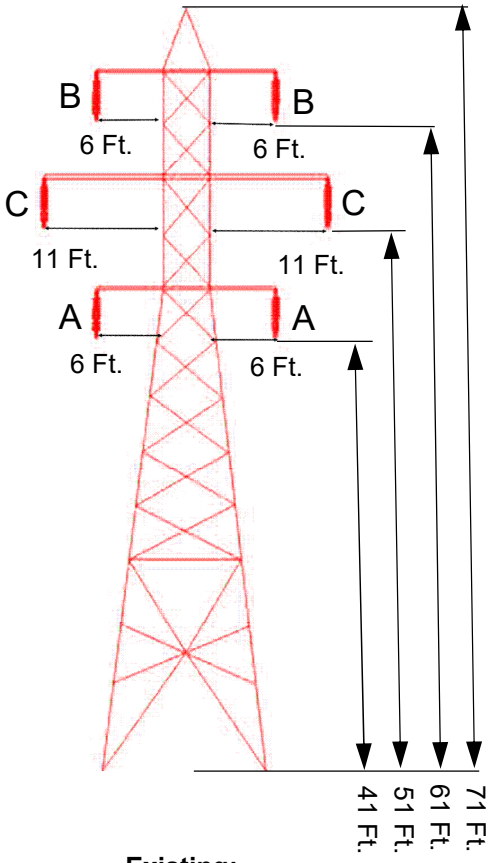
Proposed Construction and Insulator Length
Height – 82 Ft. Length – 4 Ft.

[32] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 15 – Tower and Insulator Dimensions and Phasing



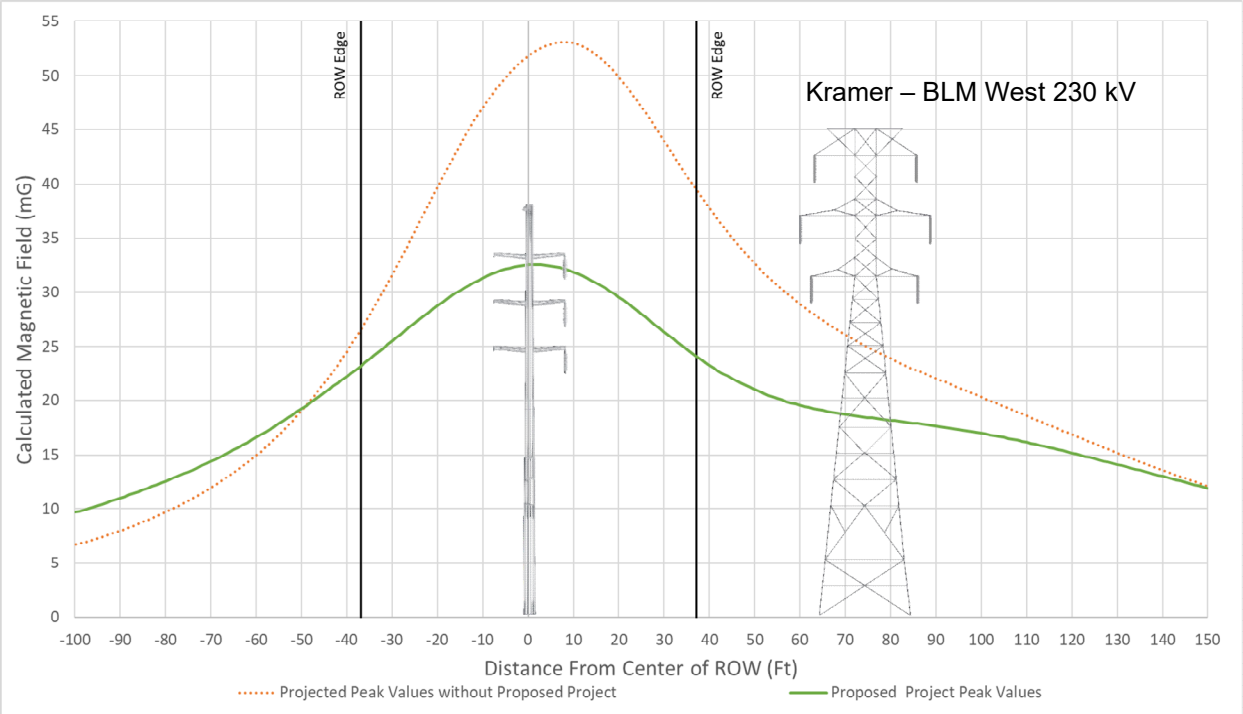
Proposed:
Single Circuit – Monopole
Figure not to Scale



Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 3

Figure 16 - Typical Magnetic Field Levels for Segment 2 Section 3 Randsburg Substation – Structure 121042, Str. 121124 - 121123 at 830 Amps



Assuming Curlew ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 15 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 3 Str. 121124 - 121123

Design Options	Left Edge (mG)	% Change[33]	Right Edge (mG)	% Change[33]
Projected Peak Values without Proposed Project 115 kV T/L	26.491	N/A	39.544	N/A
Proposed Project Peak Values 115 kV T/L	23.198	12% Decrease	24.135	39% Decrease

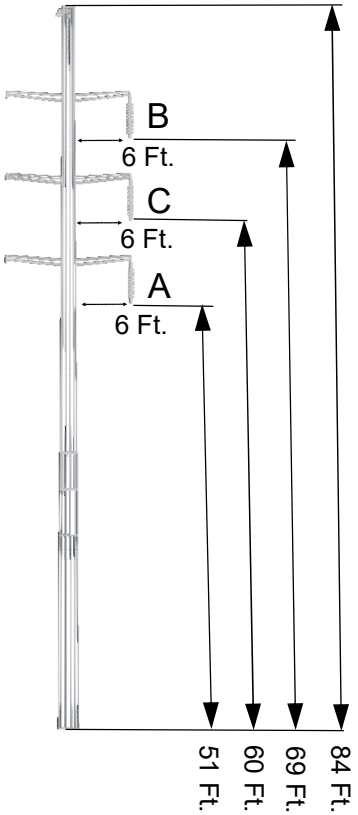
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 69 Ft. Length – 4.5 Ft.

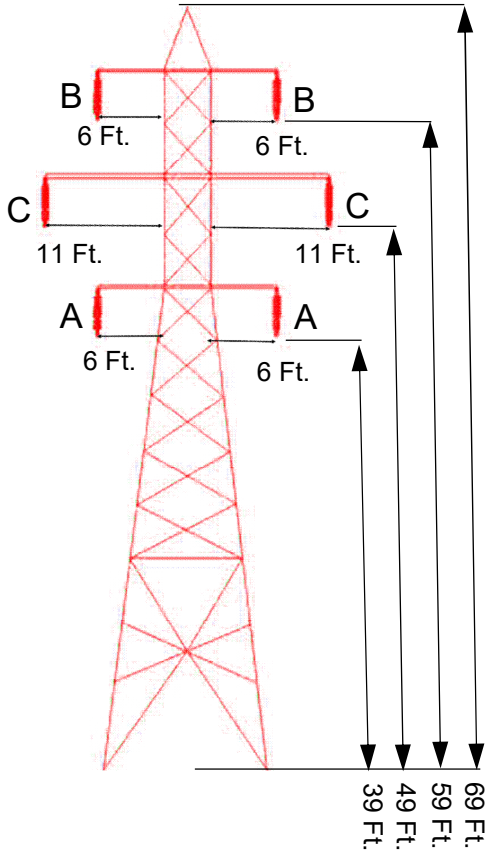
Proposed Construction and Insulator Length
Height – 84 Ft. Length – 4 Ft.

[33] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 17 – Tower and Insulator Dimensions and Phasing



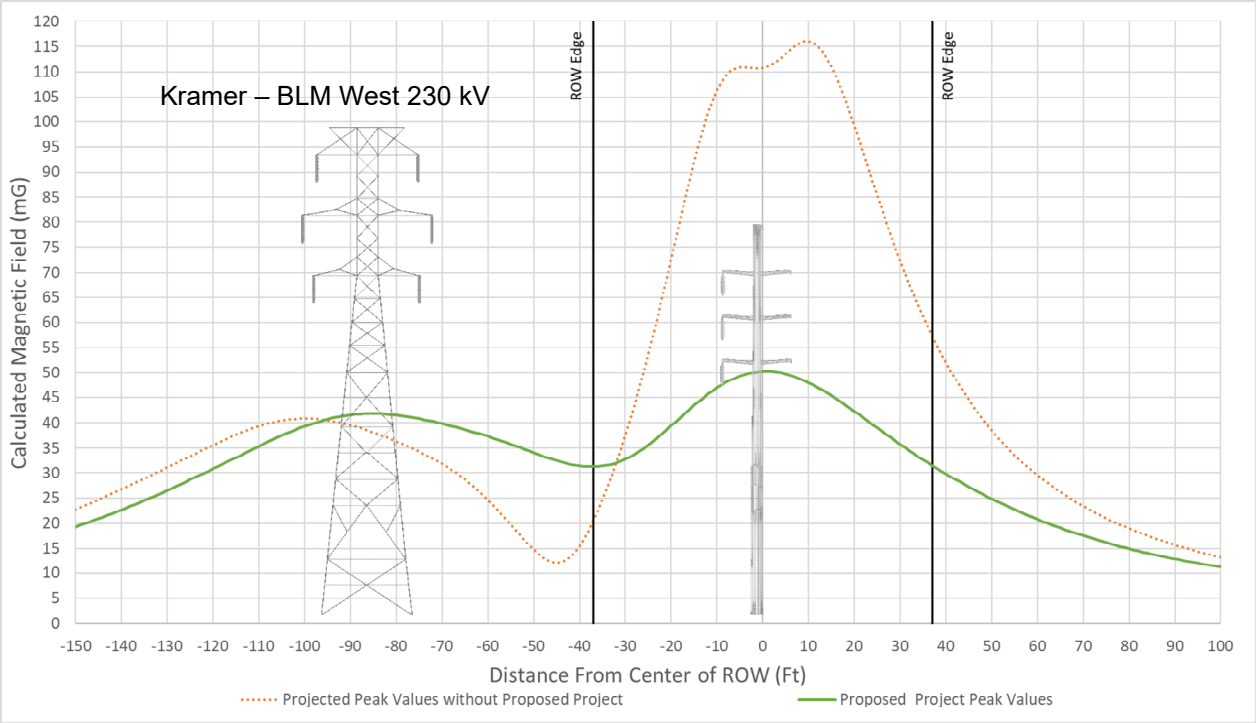
Proposed:
Single Circuit – Monopole
Figure not to Scale



Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 4

Figure 18 - Typical Magnetic Field Levels for Segment 2 Section 4 Structure 121042 – Inyokern Substation, Str. 120997 - 120996 at 830 Amps



Assuming Curlew ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 16 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 4 Str. 120997 - 120996

Design Options	Left Edge (mG)	% Change[34]	Right Edge (mG)	% Change[34]
Projected Peak Values without Proposed Project 115 kV T/L	20.457	N/A	57.275	N/A
Proposed Project Peak Values 115 kV T/L	31.256	53% Increase	31.491	45% Decrease

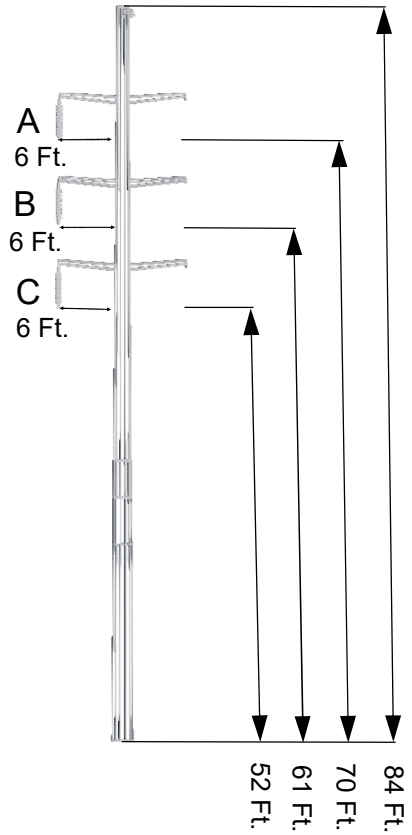
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

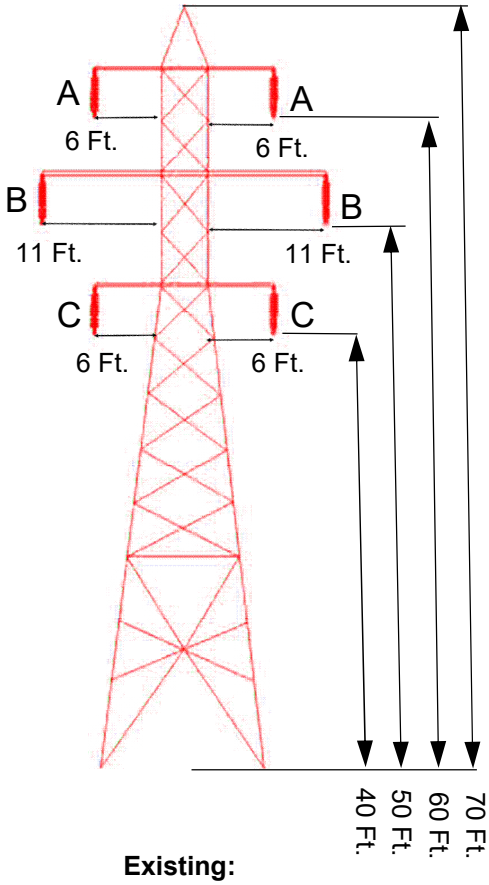
Proposed Construction and Insulator Length
Height – 84 Ft. Length – 4 Ft.

[34] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 19 – Tower and Insulator Dimensions and Phasing



Proposed:
Single Circuit – Monopole
Figure not to Scale

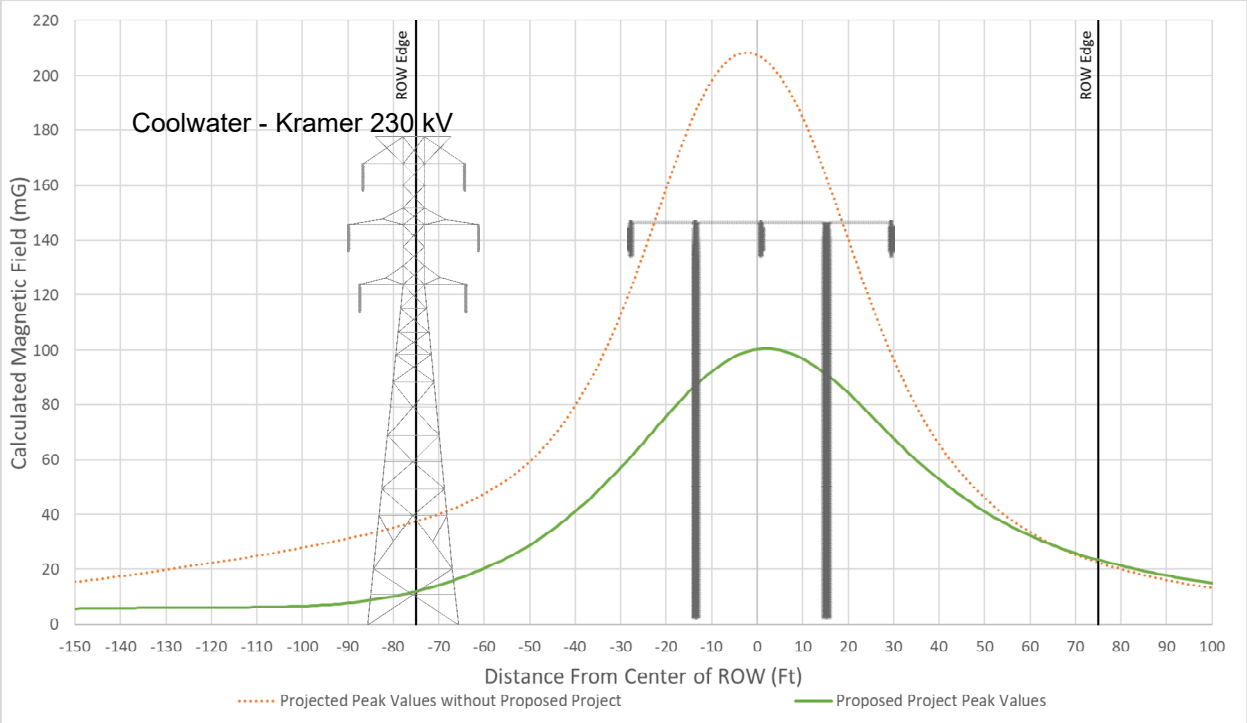


Existing:
Double Circuit - Lattice Tower
Figure not to Scale

Segment 3N

Figure 20 - Typical Magnetic Field Levels for Segment 3N Kramer Substation – Coolwater Substation, Str. 2012 (N1561186E_S1561185E) - 2013 (N4457229E_S4457230E) at 950 Amps

(Structure numbers are between brackets while the four digit numbers are the construction numbers)



Assuming Drake ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for the parallel line.
Graph is extended to show the influence of the parallel line.

Table 17 – Comparison of Magnetic Fields at Edge of ROW for Segment 3N Str. N1561186E_S1561185E- N4457229E_S4457230E

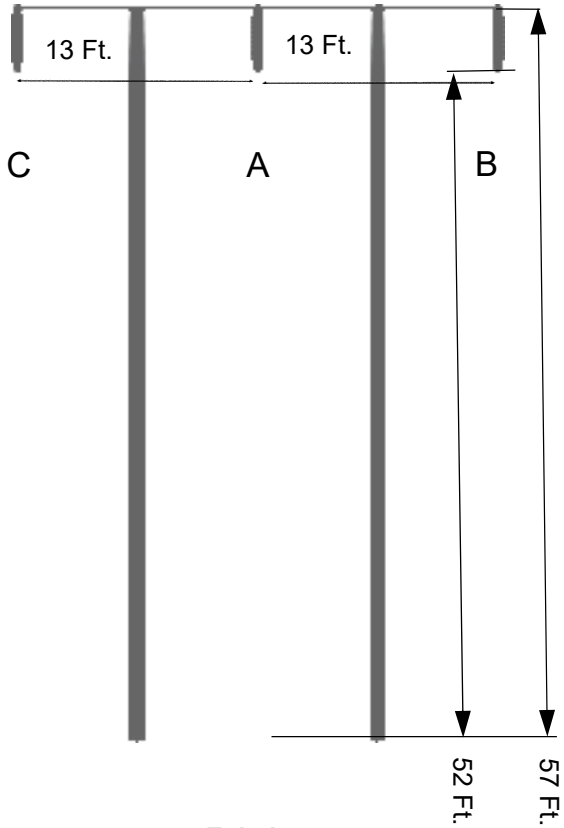
Design Options	Left Edge (mG)	% Change[35]	Right Edge (mG)	% Change[35]
Projected Peak Values without Proposed Project 115 kV T/L	37.534	N/A	23.066	N/A
Proposed Project Peak Values 115 kV T/L	12.017	68% Decrease	24.004	4% Increase

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 57 Ft. Length – 4.5 Ft.

[35] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 21 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 1

Figure 22 - Typical Magnetic Field Levels for Segment 3S Section 1 Kramer Substation – Tortilla Substation, Str. 3166 (NA560144AE_SA560144BE) - 3167 (NA560143AE_SA560143BE) at 975 Amps

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

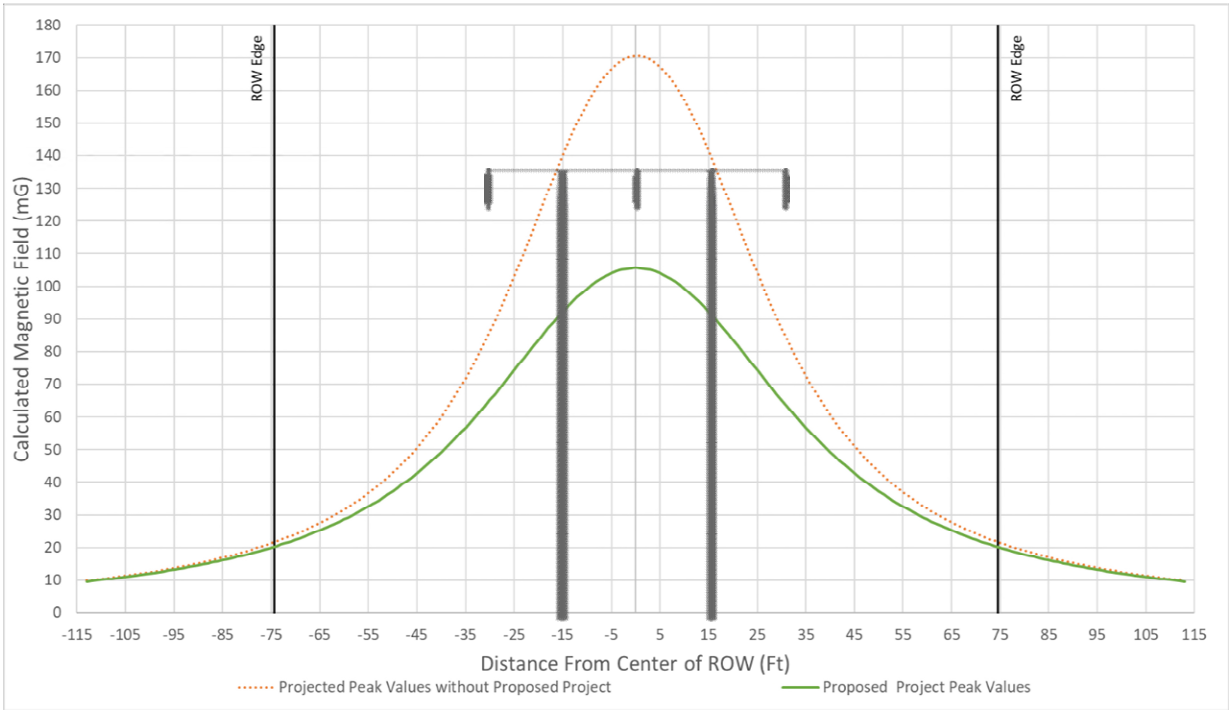


Table 18 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 1 Str. NA560144AE_SA560144BE - NA560143AE_SA560143BE

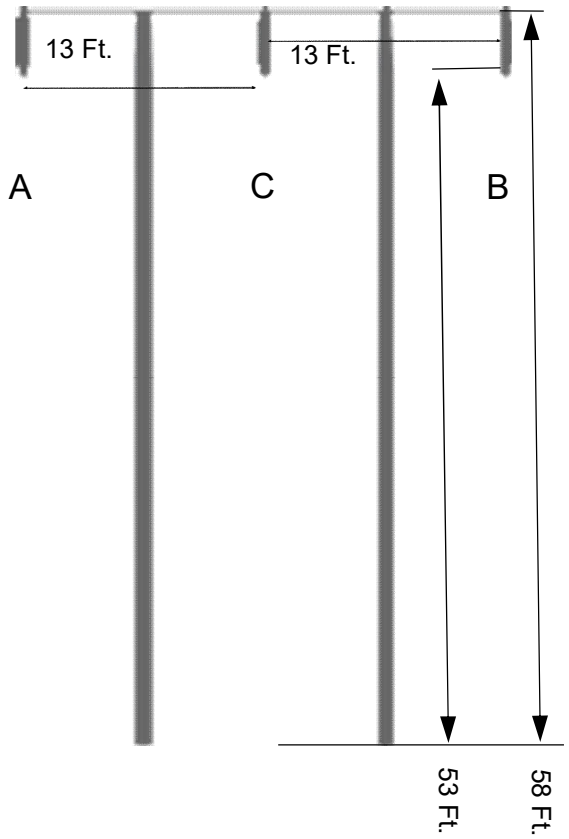
Design Options	Left Edge (mG)	% Change[36]	Right Edge (mG)	% Change[36]
Projected Peak Values without Proposed Project 115 kV T/L	21.338	N/A	21.998	N/A
Proposed Project Peak Values 115 kV T/L	20.003	6% Decrease	20.457	7% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 58 Ft. Length – 4.5 Ft.

[36] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 23 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 2

Figure 24 - Typical Magnetic Field Levels for Segment 3S Section 2 Tortilla Substation – Coolwater Substation, Str 3236 - 3237 (1811388E - 1811383E) at 975 Amps

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

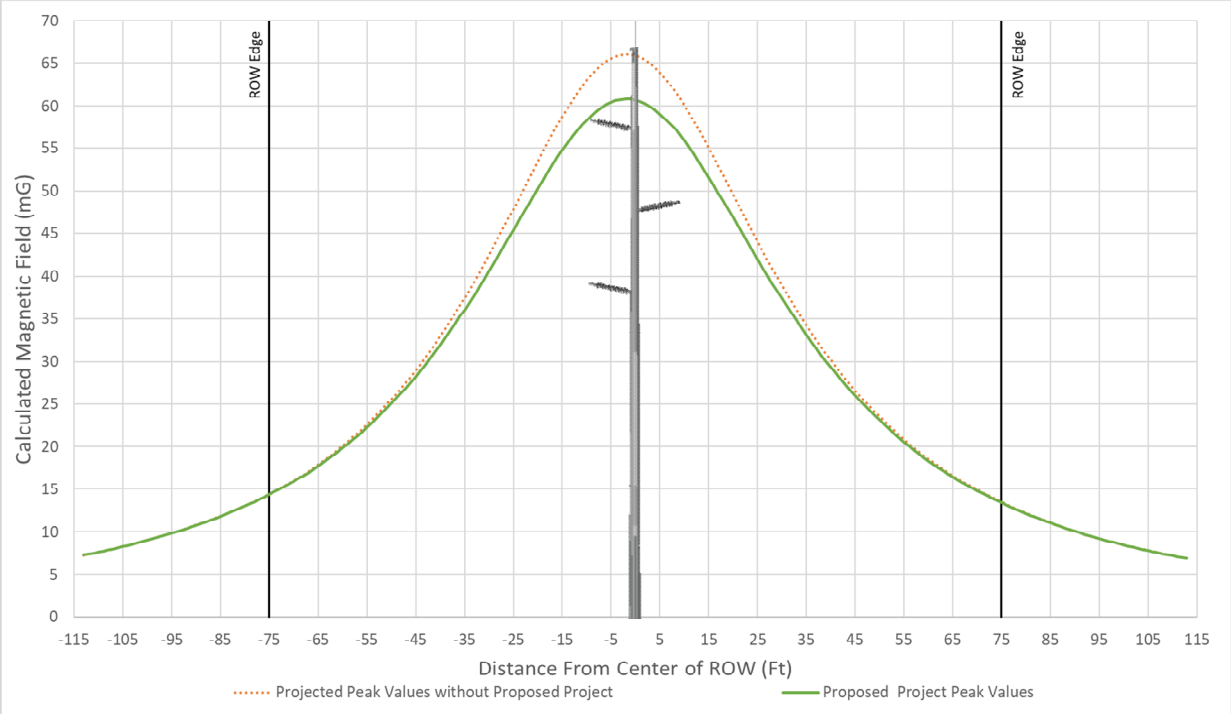


Table 19 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 2 Str. 3235 - 3236

Design Options	Left Edge (mG)	% Change[37]	Right Edge (mG)	% Change[37]
Projected Peak Values without Proposed Project 115 kV T/L	14.418	N/A	13.741	N/A
Proposed Project Peak Values 115 kV T/L	14.37	0% Decrease	13.655	1% Decrease

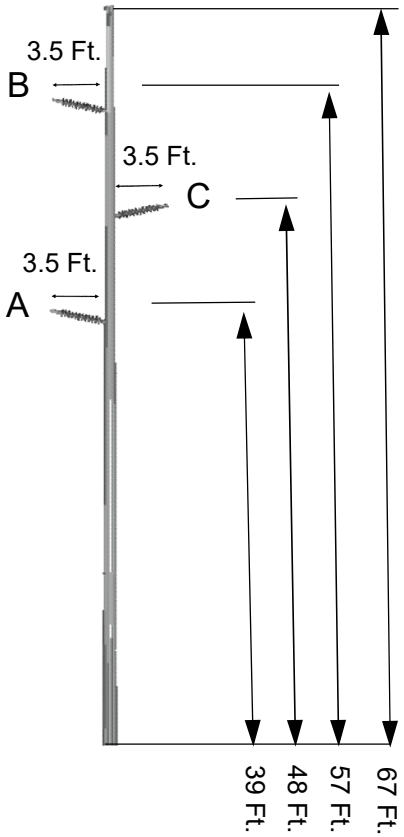
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 67 Ft. Length – 3.5 Ft.

Note: Typical structures in this section are H-Frames, and monopoles are used near the Tortilla Substation. The span next to the substation has the lowest mid-span, therefore this span was used in EMF calculations.

[37] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 25 – Tower and Insulator Dimensions and Phasing

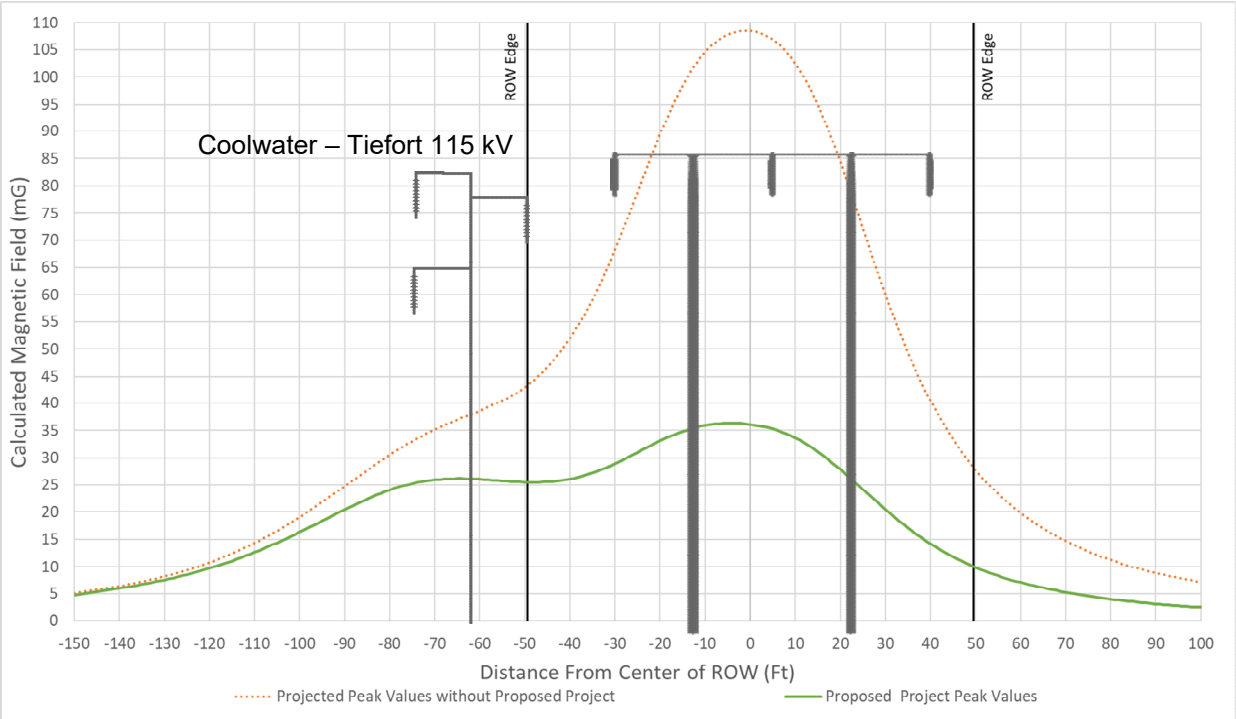


Existing:
Single Circuit - Monopole
Figure not to Scale

Note: Typical structures in this section are H-Frames, and monopoles are used near the Tortilla Substation. The span next to the substation has the lowest mid-span, therefore this span was used in EMF calculations.

Segment 4 Section 1

Figure 26 - Typical Magnetic Field Levels for Segment 4 Section 1 Coolwater Substation – Structure 128574, Str. 128568 - 128569 at 165 Amps



Assuming Partridge ACSR conductor, Top-Bottom phasing 0°,120°,240° and 400 Amps for parallel line. Graph is extended to show the influence of the parallel line.

Table 20 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 1 Str. 128568 - 128569

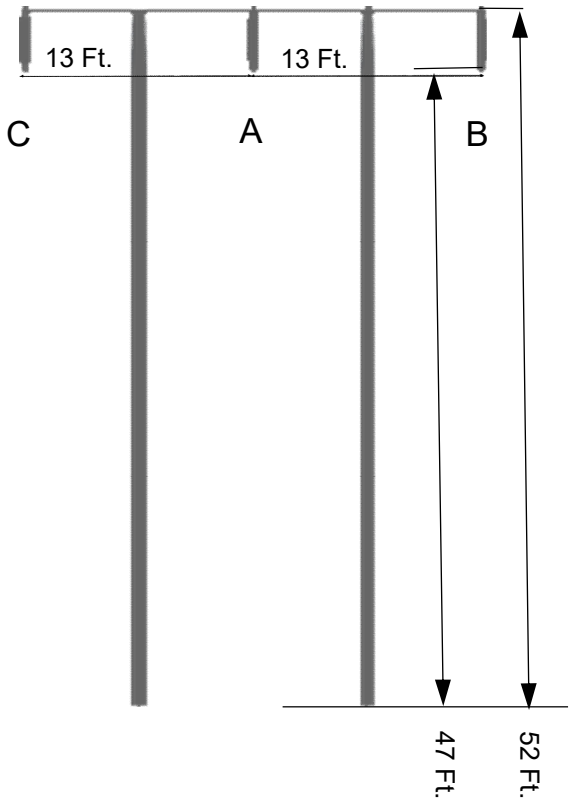
Design Options	Left Edge (mG)	% Change[38]	Right Edge (mG)	% Change[38]
Projected Peak Values without Proposed Project 115 kV T/L	43.026	N/A	28.842	N/A
Proposed Project Peak Values 115 kV T/L	25.581	41% Decrease	10.244	64% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[38] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 27 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 2

Figure 28 - Typical Magnetic Field Levels for Segment 4 Section 2 Structure 128574 – Structure 128595, Str. 128585 - 128586 at 165 Amps

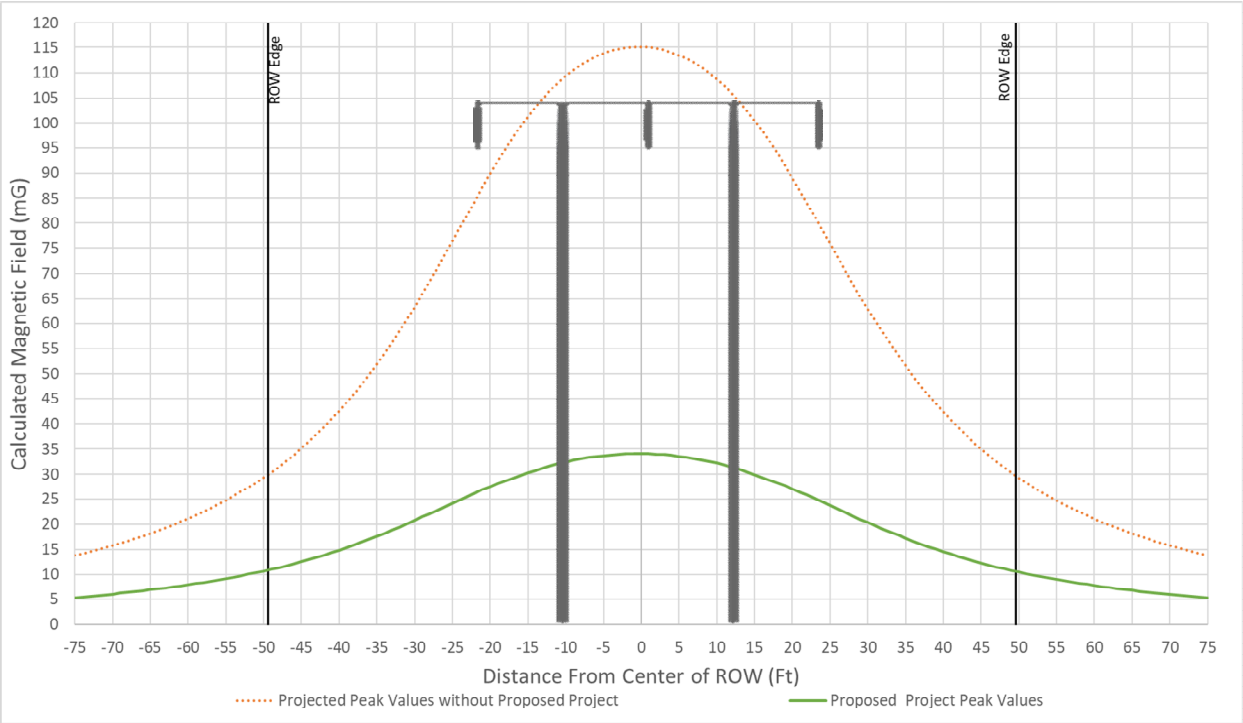


Table 21 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 2 Str. 128585 - 128586

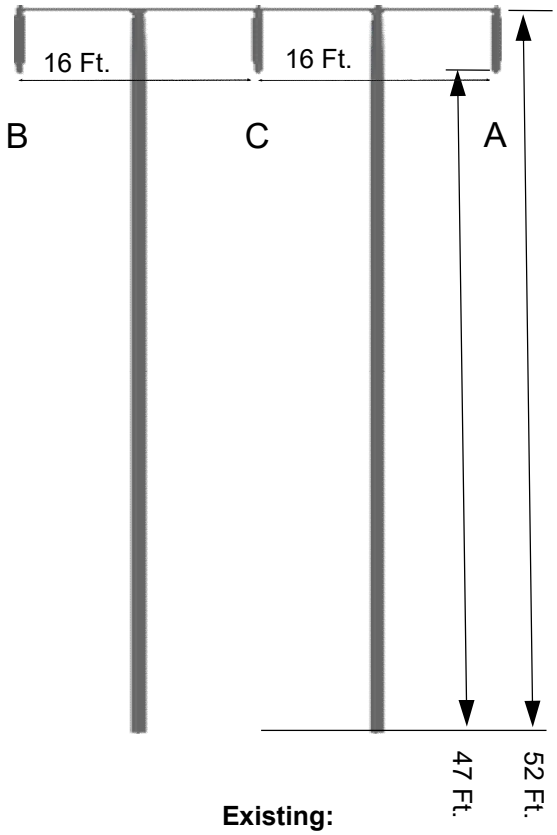
Design Options	Left Edge (mG)	% Change[39]	Right Edge (mG)	% Change[39]
Projected Peak Values without Proposed Project 115 kV T/L	29.316	N/A	30.282	N/A
Proposed Project Peak Values 115 kV T/L	10.71	63% Decrease	10.838	64% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[39] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 29 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 3

Figure 30 - Typical Magnetic Field Levels for Segment 4 Section 3 Structure 128595 – Structure 128638, Str. 128614-128615 at 165 Amps

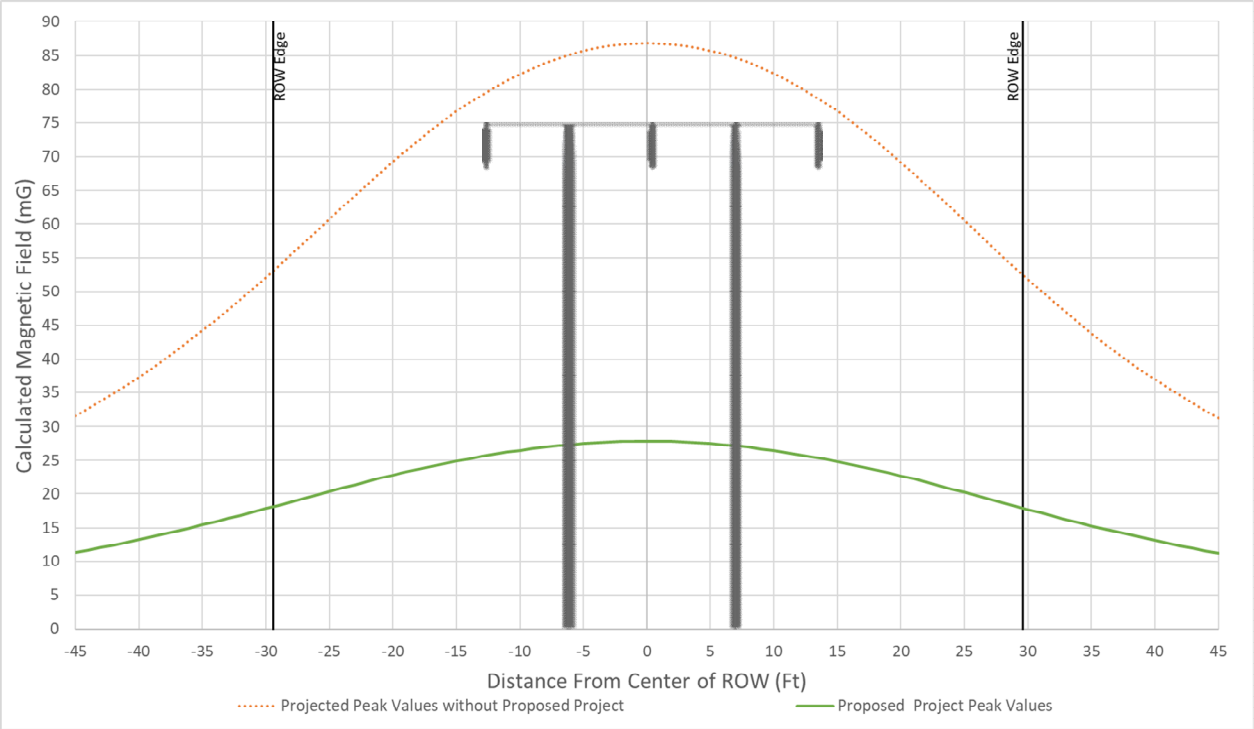


Table 22 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 3 Str. 128614-128615

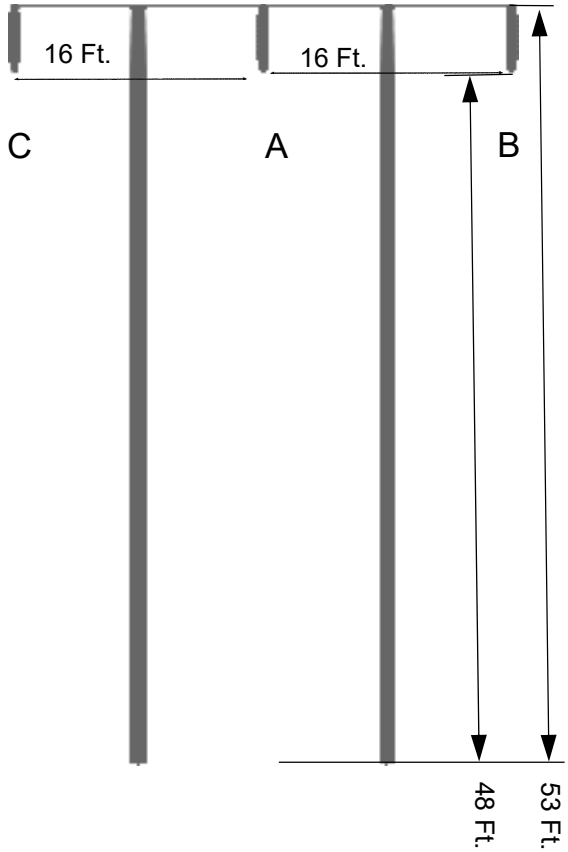
Design Options	Left Edge (mG)	% Change[40]	Right Edge (mG)	% Change[40]
Projected Peak Values without Proposed Project 115 kV T/L	52.149	N/A	53.513	N/A
Proposed Project Peak Values 115 kV T/L	17.825	66% Decrease	18.188	66% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 53 Ft. Length – 4.5 Ft.

[40] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 31 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 4

Figure 32 - Typical Magnetic Field Levels for Segment 4 Section 4 Structure 128638 – Structure 128660, Str. 128645 - 128646 at 165 Amps

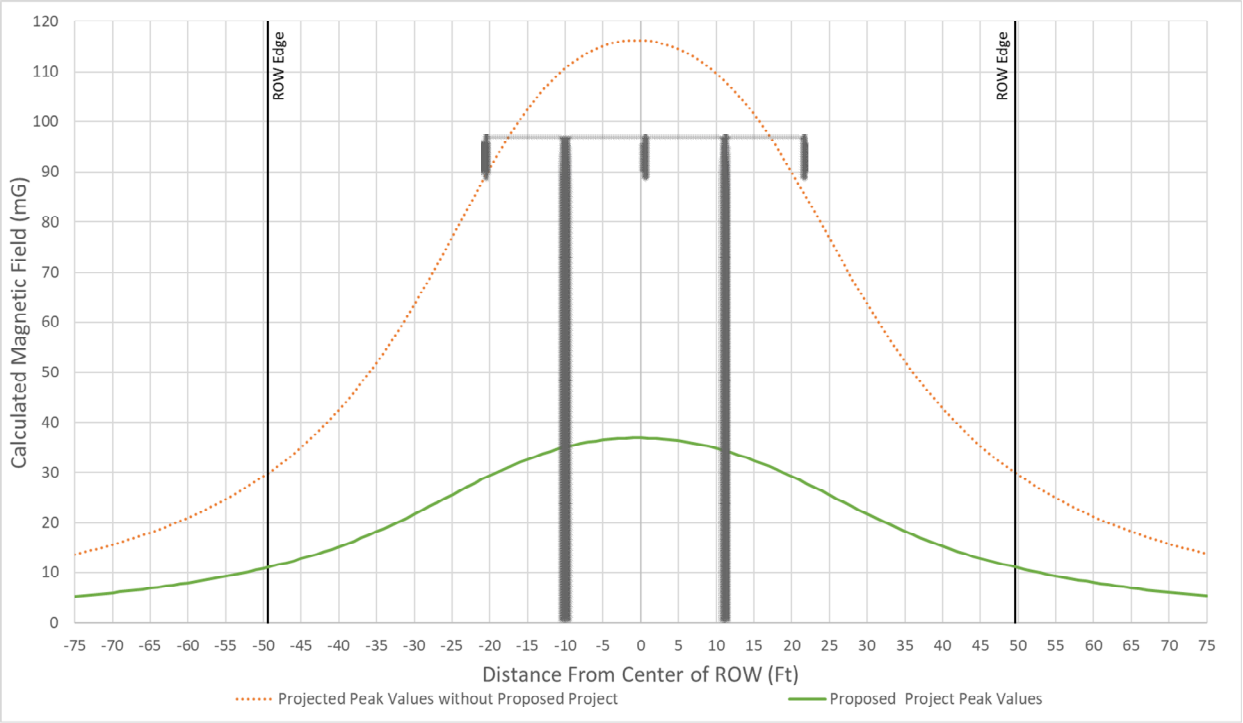


Table 23 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 4 Str. 128645 - 128646

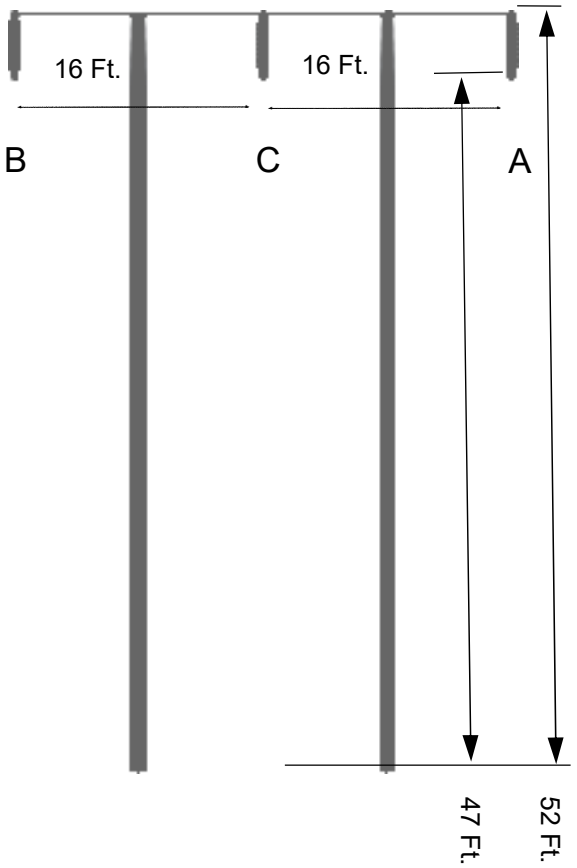
Design Options	Left Edge (mG)	% Change[41]	Right Edge (mG)	% Change[41]
Projected Peak Values without Proposed Project 115 kV T/L	43.919	N/A	46.016	N/A
Proposed Project Peak Values 115 kV T/L	15.081	66% Decrease	15.571	66% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[41] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 33 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 5

Figure 34 - Typical Magnetic Field Levels for Segment 4 Section 5 Structure 128660 – Structure 128699, Str. 128684 - 128685 at 165 Amps

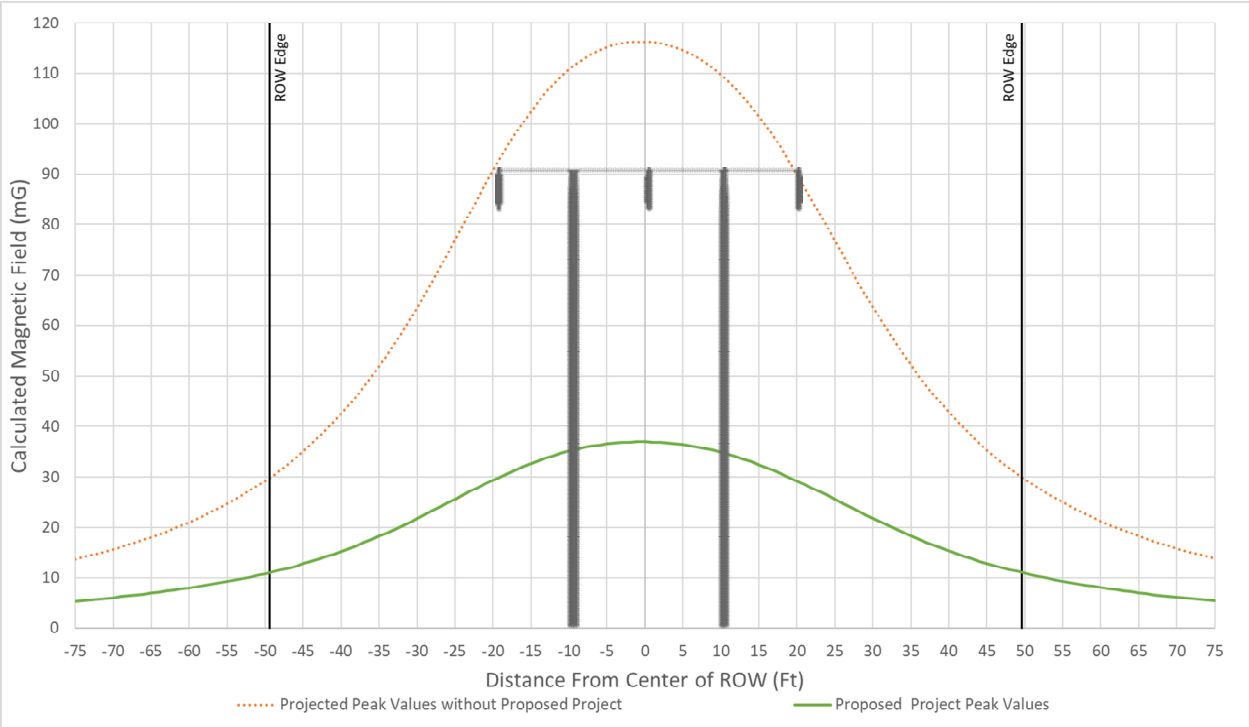


Table 24 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 5 Str. 128684 - 128685

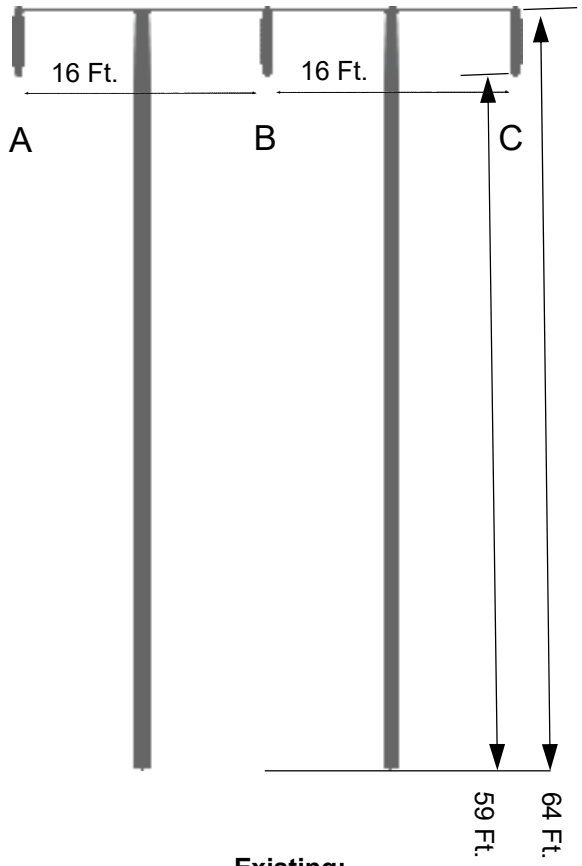
Design Options	Left Edge (mG)	% Change[42]	Right Edge (mG)	% Change[42]
Projected Peak Values without Proposed Project 115 kV T/L	29.207	N/A	30.559	N/A
Proposed Project Peak Values 115 kV T/L	10.843	63% Decrease	11.301	63% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 64 Ft. Length – 4.5 Ft.

[42] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 35 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 6

Figure 36 - Typical Magnetic Field Levels for Segment 4 Section 6 Structure 128699 – Structure 128716, Str. 128712 -128713 at 165 Amps

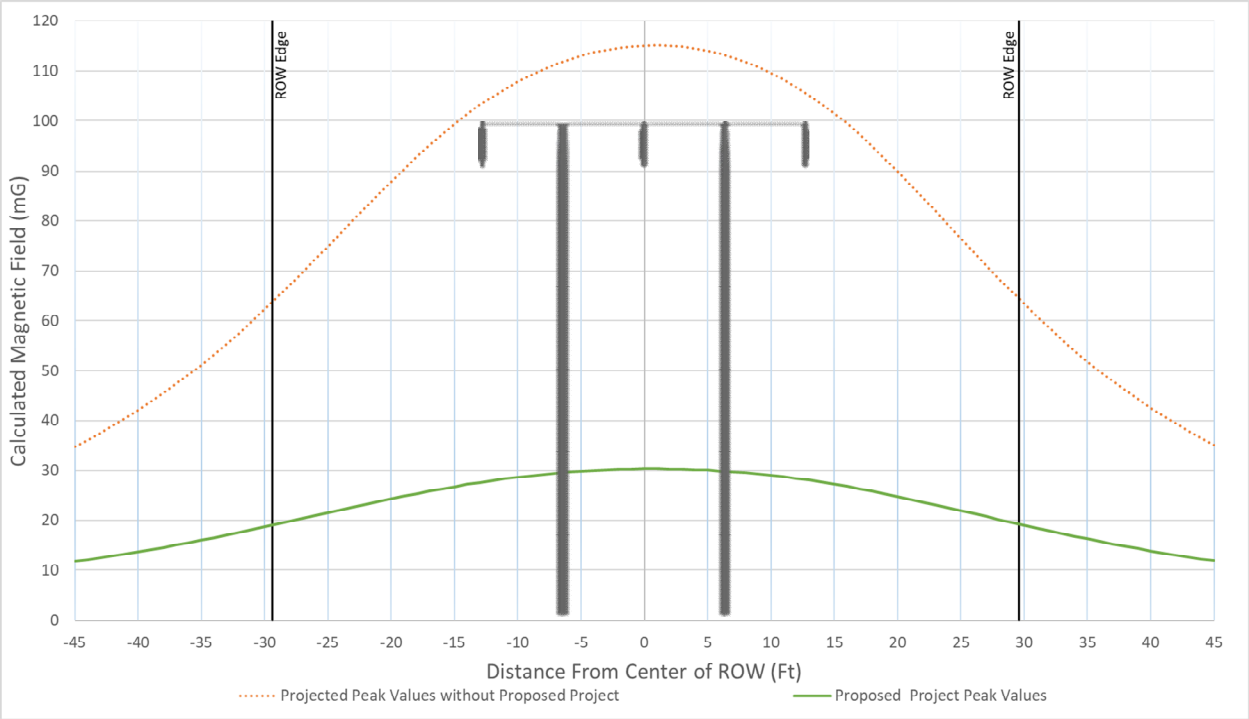


Table 25 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 6 Str. 128712 -128713

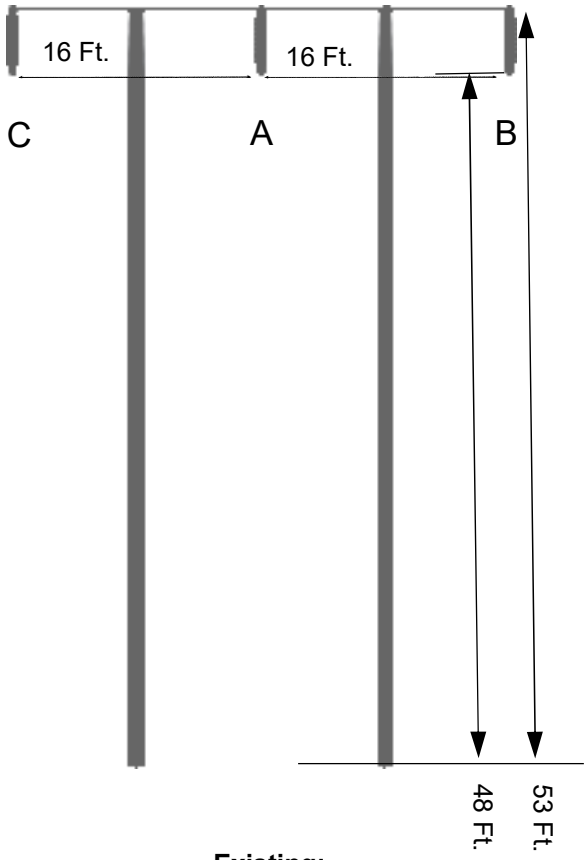
Design Options	Left Edge (mG)	% Change[43]	Right Edge (mG)	% Change[43]
Projected Peak Values without Proposed Project 115 kV T/L	62.237	N/A	65.846	N/A
Proposed Project Peak Values 115 kV T/L	18.716	70% Decrease	19.642	70% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height –53 Ft. Length – 4.5 Ft.

[43] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 37 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 7

Figure 38 - Typical Magnetic Field Levels for Segment 4 Section 7 Structure 128716 – Dunn Siding Substation, Str. 128730 - 128731 at 165 Amps

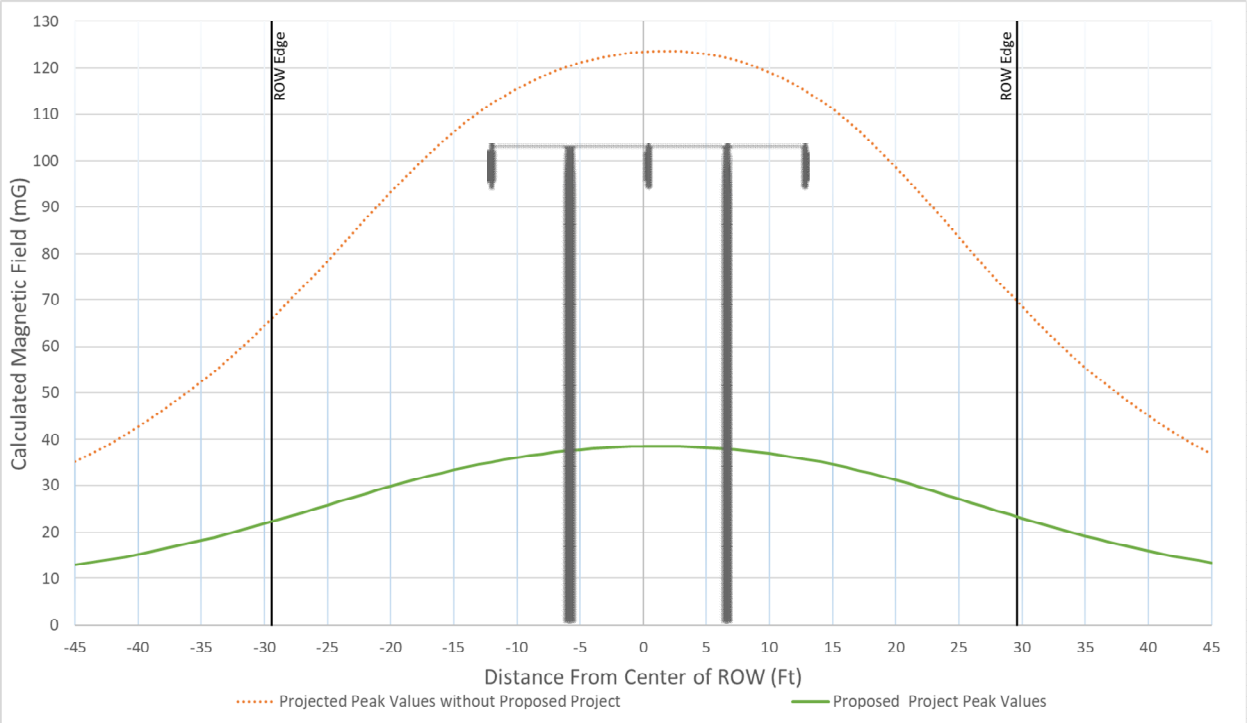


Table 26 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 7 Str. 128730 - 128731

Design Options	Left Edge (mG)	% Change[44]	Right Edge (mG)	% Change[44]
Projected Peak Values without Proposed Project 115 kV T/L	64.45	N/A	71.411	N/A
Proposed Project Peak Values 115 kV T/L	21.864	66% Decrease	23.818	67% Decrease

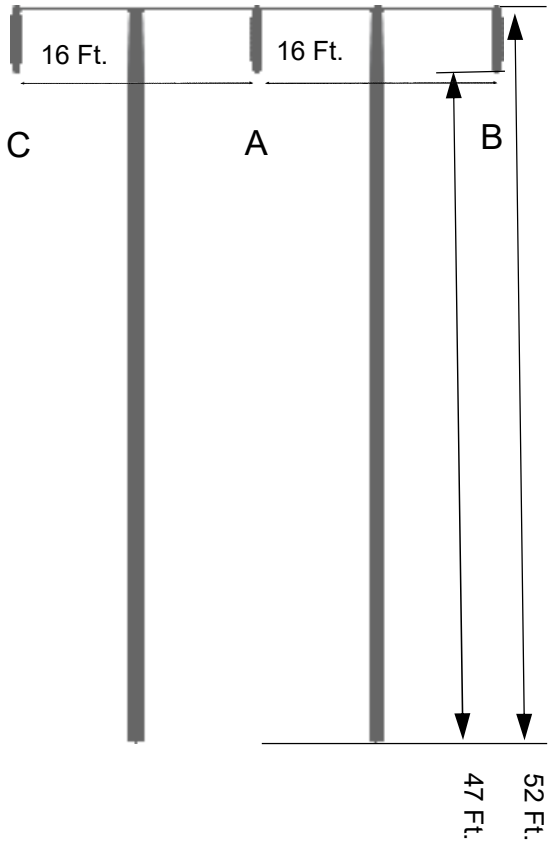
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

*Projected Peak Values without Proposed Project use Non-Derated Amps Value 260 A.

[44] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 39 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 8

Figure 40 - Typical Magnetic Field Levels for Segment 4 Section 8 Dunn Siding Substation – Structure 128753, Str. 128745 - 128746 at 150 Amps

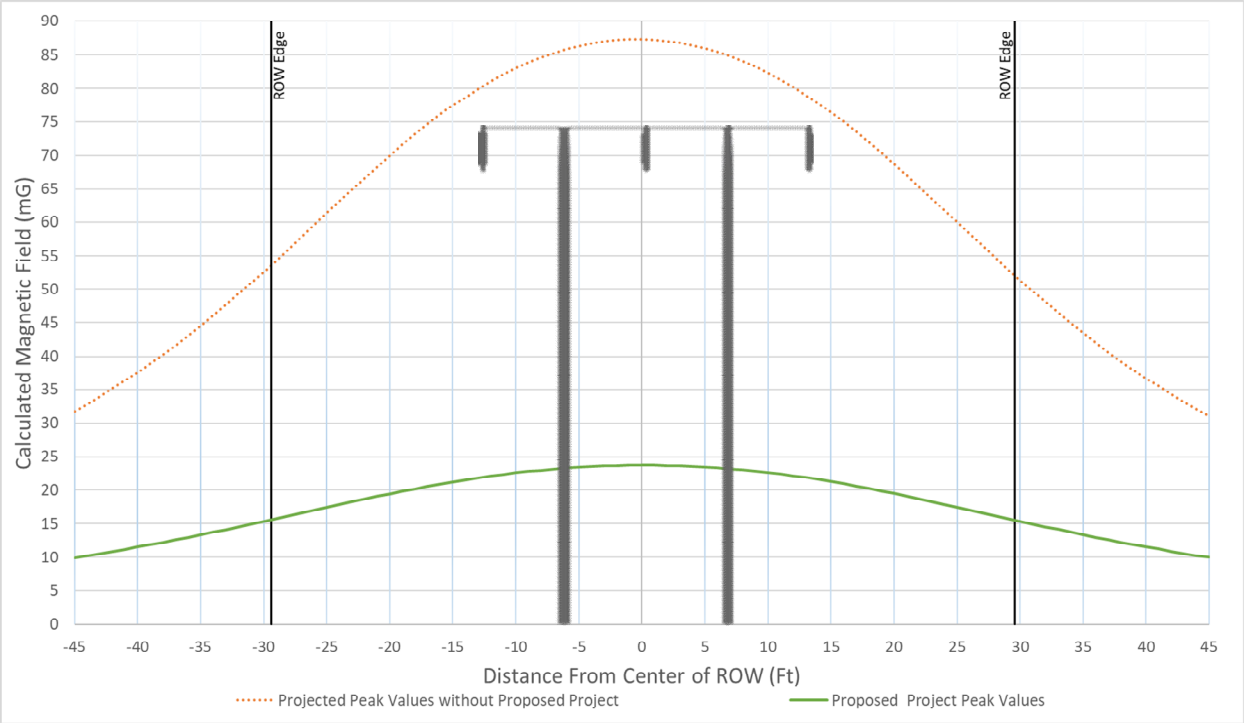


Table 27 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 8 Str. 128745 - 128746

Design Options	Left Edge (mG)	% Change[45]	Right Edge (mG)	% Change[45]
Projected Peak Values without Proposed Project 115 kV T/L	52.62	N/A	53.076	N/A
Proposed Project Peak Values 115 kV T/L	15.338	71% Decrease	15.787	70% Decrease

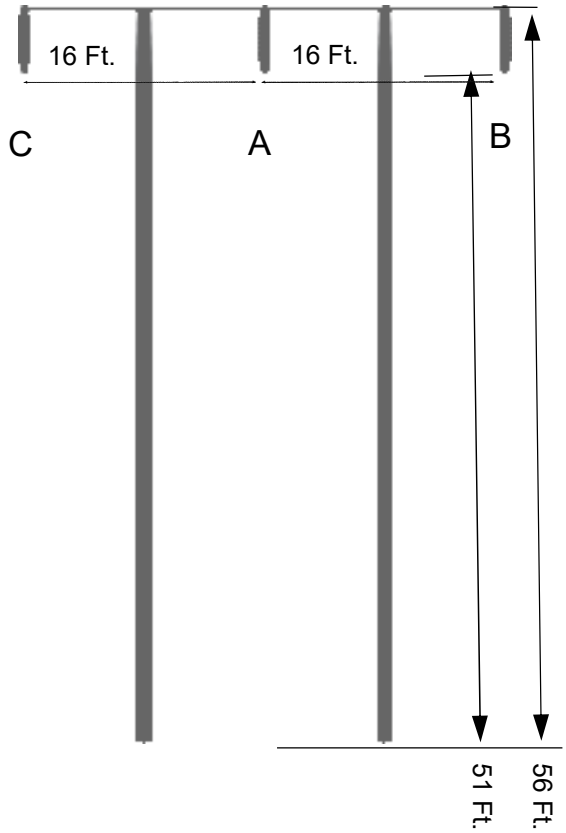
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 56 Ft. Length – 4.5 Ft.

*Projected Peak Values without Proposed Project use Non-Derated Amps Value 270 A.

[45] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 41 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 9

Figure 42 - Typical Magnetic Field Levels for Segment 4 Section 9 Structure 128753 – Structure 128774, Str. 128770 - 128771 at 150 Amps

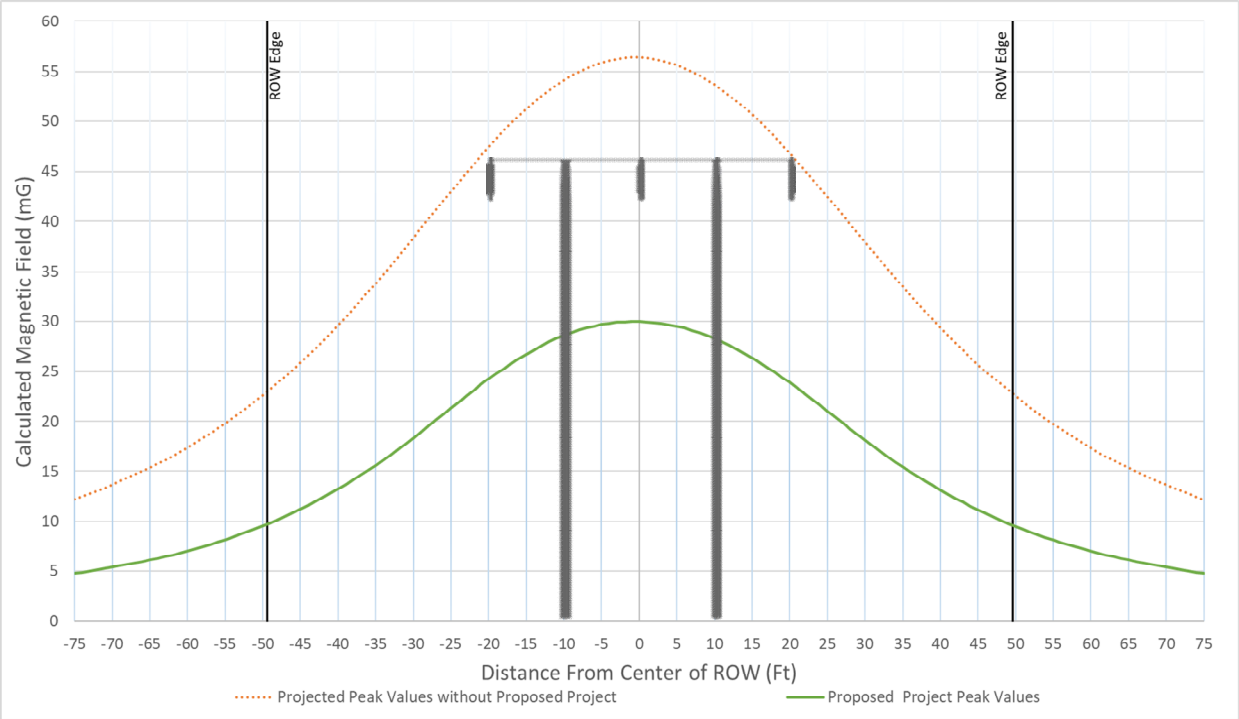


Table 28 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 9 Str. 128770 - 128771

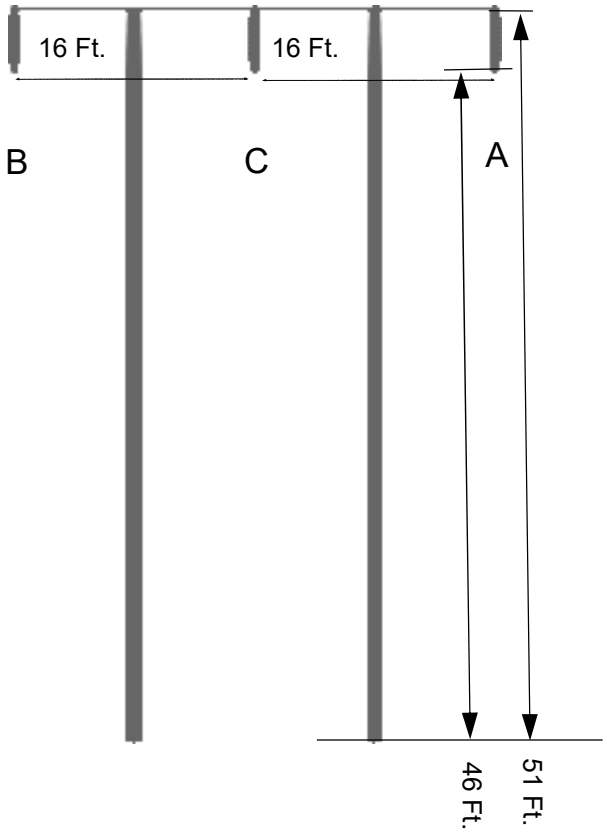
Design Options	Left Edge (mG)	% Change[46]	Right Edge (mG)	% Change[46]
Projected Peak Values without Proposed Project 115 kV T/L	22.606	N/A	23.094	N/A
Proposed Project Peak Values 115 kV T/L	9.549	58% Decrease	9.801	58% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[46] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 43 – Tower and Insulator Dimensions and Phasing



Existing:
Single – H-Frame
Figure not to Scale

Segment 4 Section 10

Figure 44 - Typical Magnetic Field Levels for Segment 4 Section 10 Structure 128774 – Structure 128817, Str. 128804 - 128805 at 150 Amps

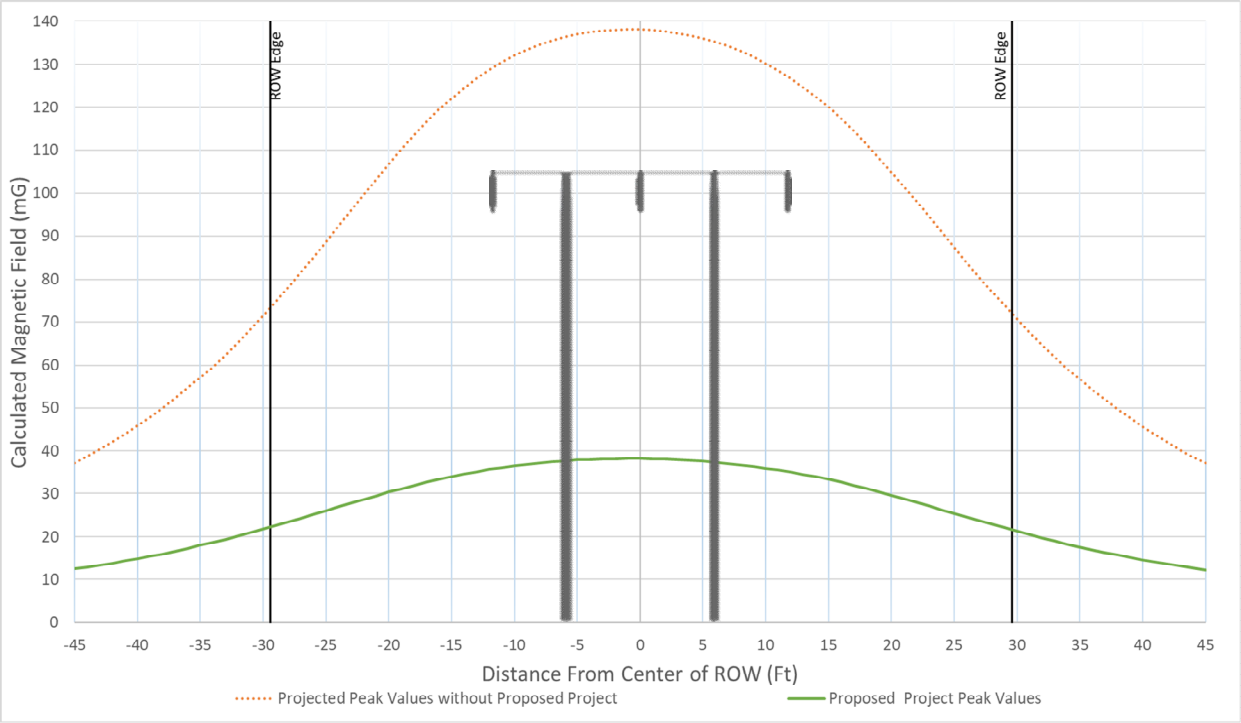


Table 29 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 10 Str. 128804 - 128805

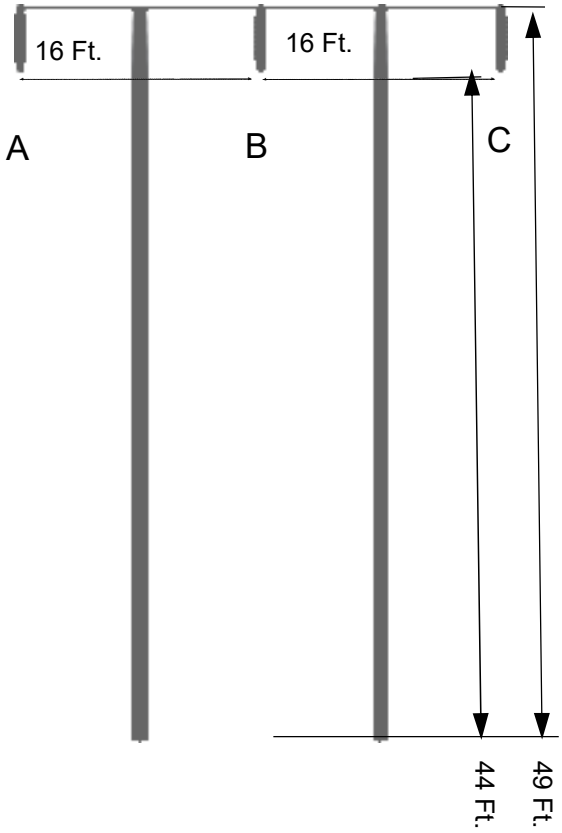
Design Options	Left Edge (mG)	% Change[47]	Right Edge (mG)	% Change[47]
Projected Peak Values without Proposed Project 115 kV T/L	71.412	N/A	73.822	N/A
Proposed Project Peak Values 115 kV T/L	21.798	69% Decrease	22.091	70% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 49 Ft. Length – 4.5 Ft.

[47] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 45 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 11

Figure 46 - Typical Magnetic Field Levels for Segment 4 Section 11 Structure 128817 – Structure 128840, Str. 128825 - 128826 at 150 Amps

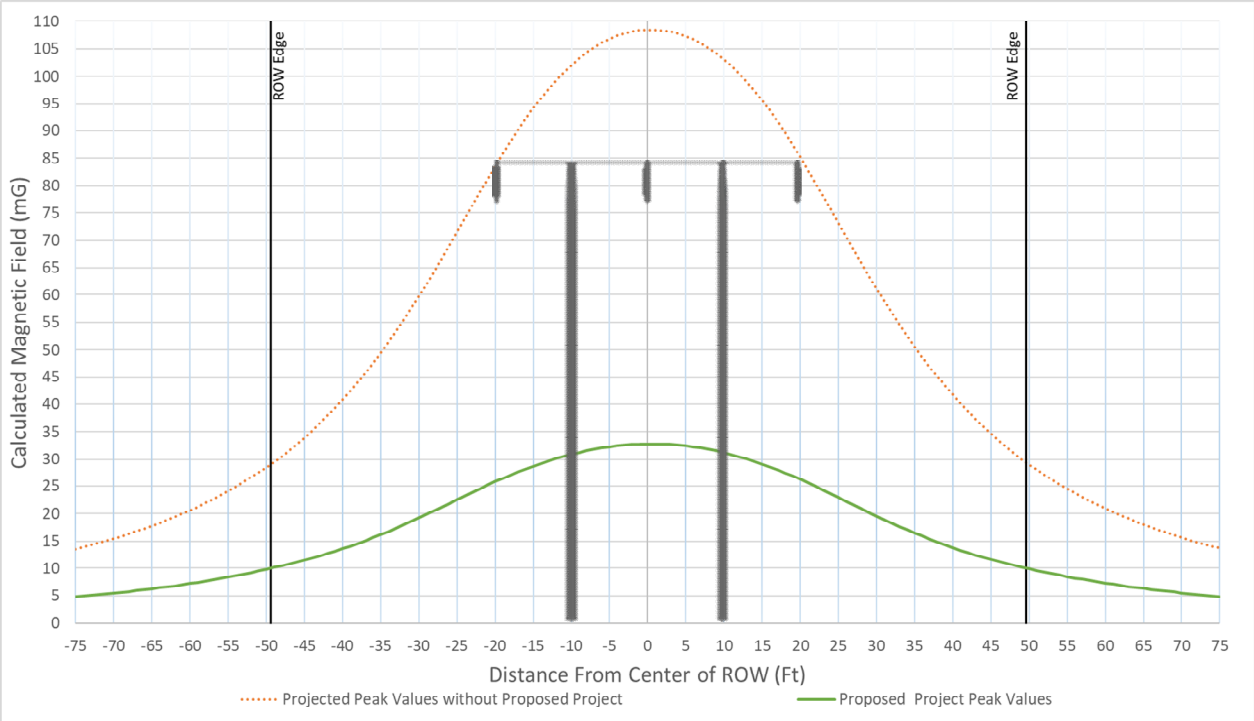


Table 30 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 11 Str. 128825 - 128826

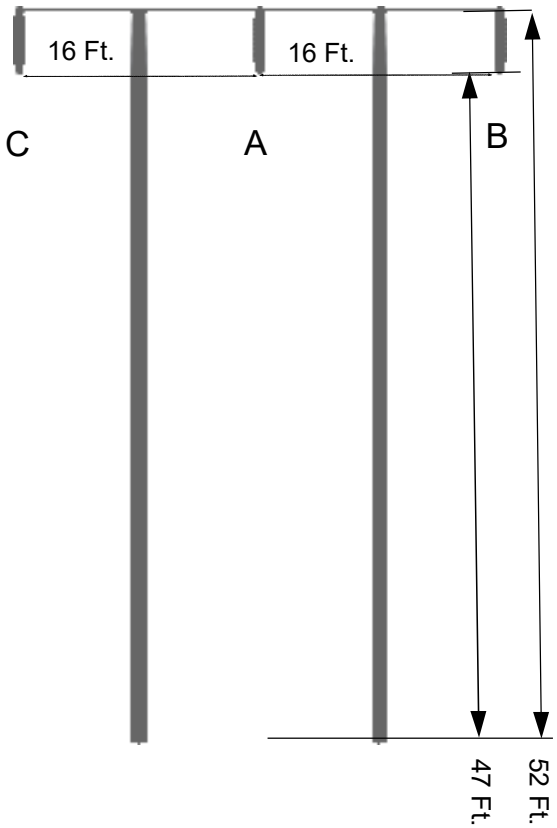
Design Options	Left Edge (mG)	% Change[48]	Right Edge (mG)	% Change[48]
Projected Peak Values without Proposed Project 115 kV T/L	28.476	N/A	30.005	N/A
Proposed Project Peak Values 115 kV T/L	9.781	66% Decrease	10.223	66% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[48] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 47 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 12

Figure 48 - Typical Magnetic Field Levels for Segment 4 Section 12 Structure 128840 – Structure 128882, Str. 128867 - 128868 at 150 Amps

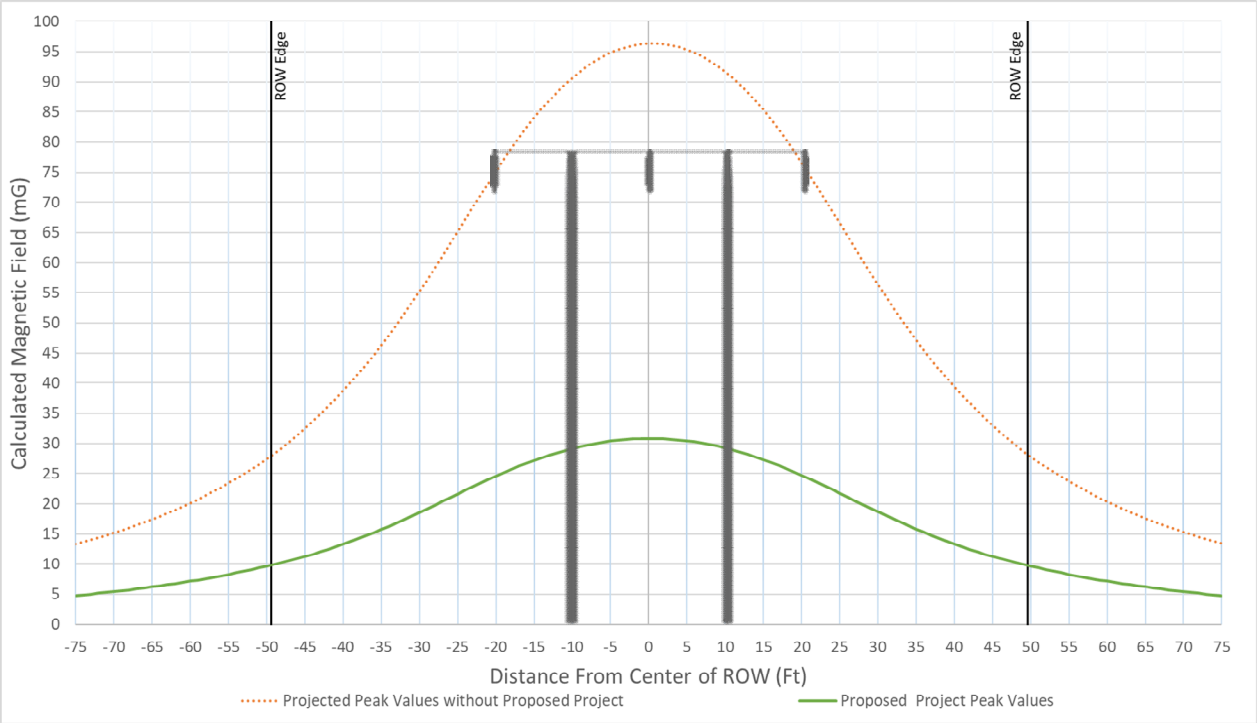


Table 31 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 12 Str. 128867 - 128868

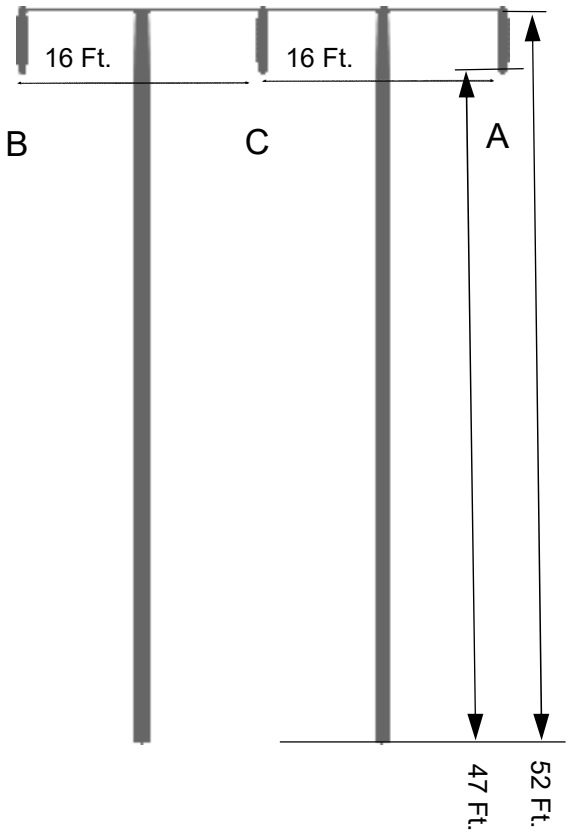
Design Options	Left Edge (mG)	% Change[49]	Right Edge (mG)	% Change[49]
Projected Peak Values without Proposed Project 115 kV T/L	27.466	N/A	28.781	N/A
Proposed Project Peak Values 115 kV T/L	9.618	65% Decrease	9.946	65% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[49] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 49 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 13

Figure 50 - Typical Magnetic Field Levels for Segment 4 Section 13 Structure 128882 – Structure 128904, Str. 128885 - 128886 at 150 Amps

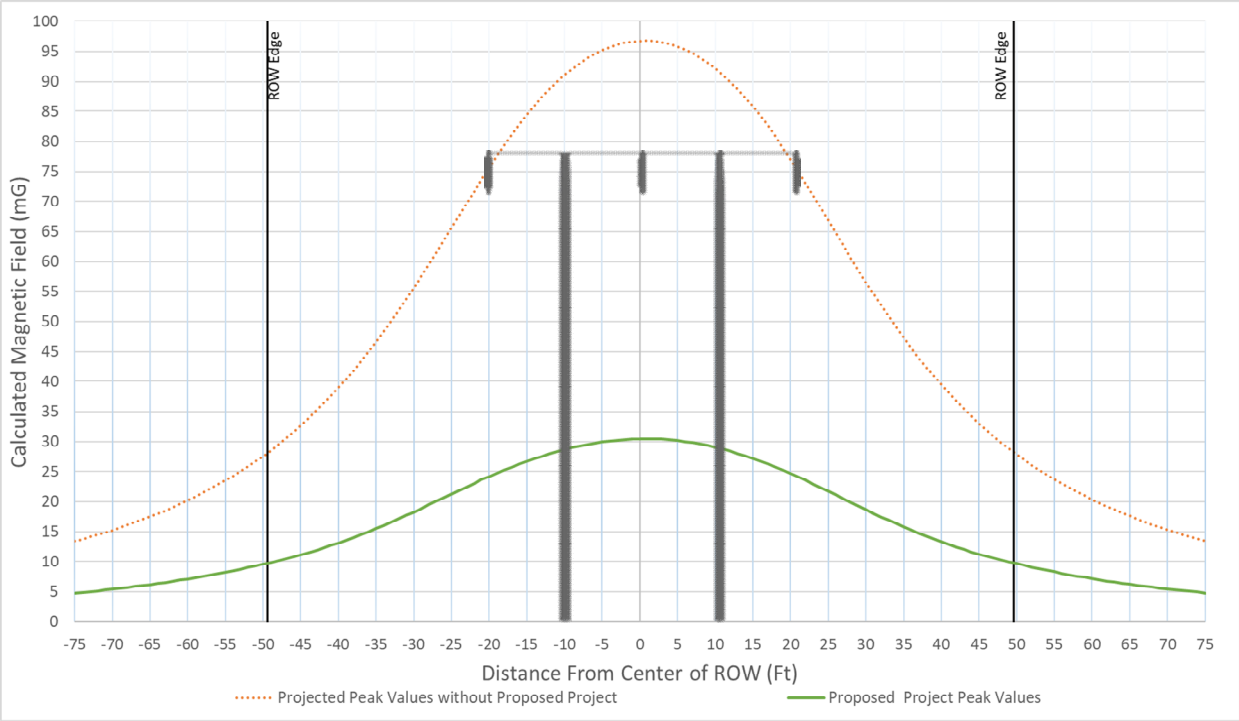


Table 32 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 13 Str. 128885 - 128886

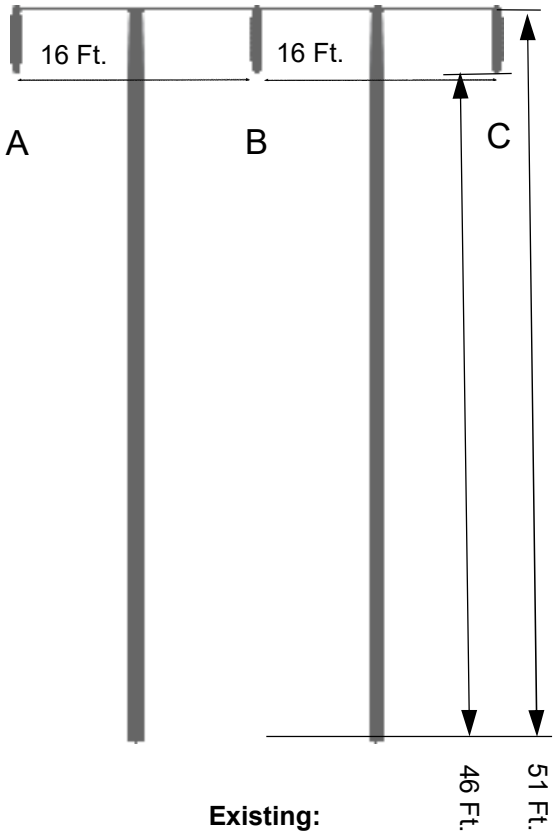
Design Options	Left Edge (mG)	% Change[50]	Right Edge (mG)	% Change[50]
Projected Peak Values without Proposed Project 115 kV T/L	27.626	N/A	28.831	N/A
Proposed Project Peak Values 115 kV T/L	9.542	65% Decrease	9.96	65% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[50] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 51 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 14

Figure 52 - Typical Magnetic Field Levels for Segment 4 Section 14 Structure 128904 – Baker Substation, Str. 128917 - 128918 at 150 Amps

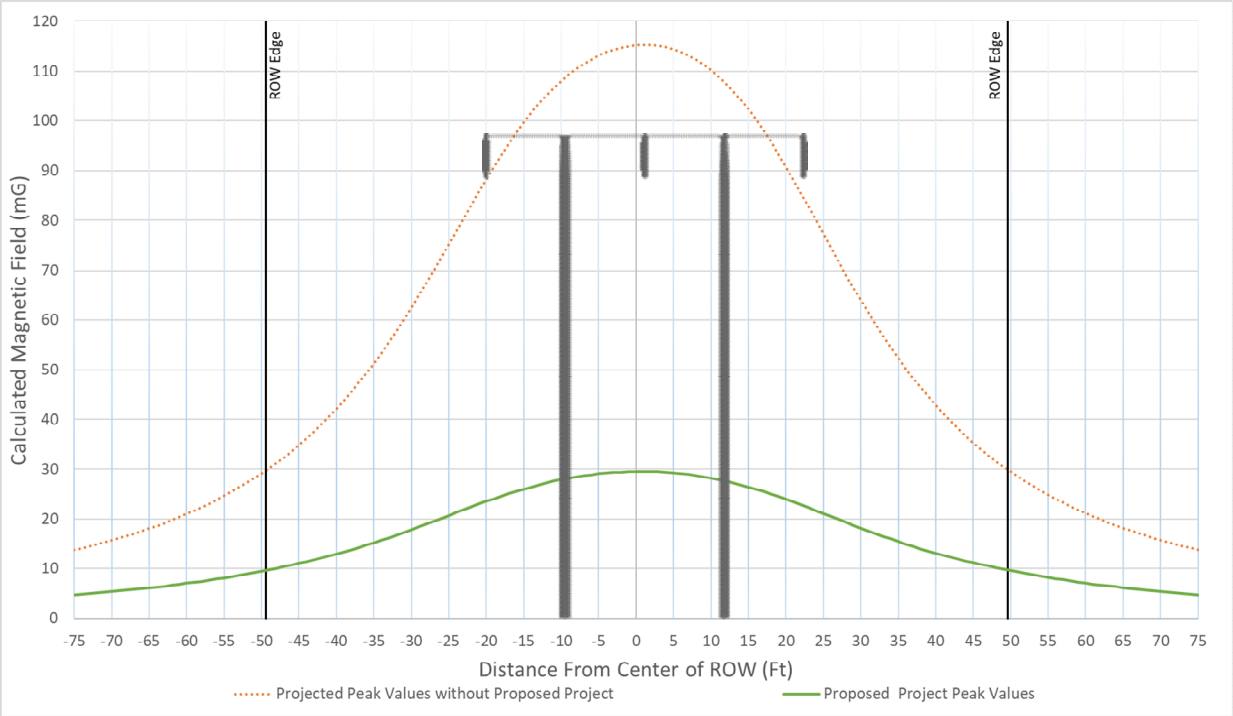


Table 33 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 14 Str. 128917 - 128918

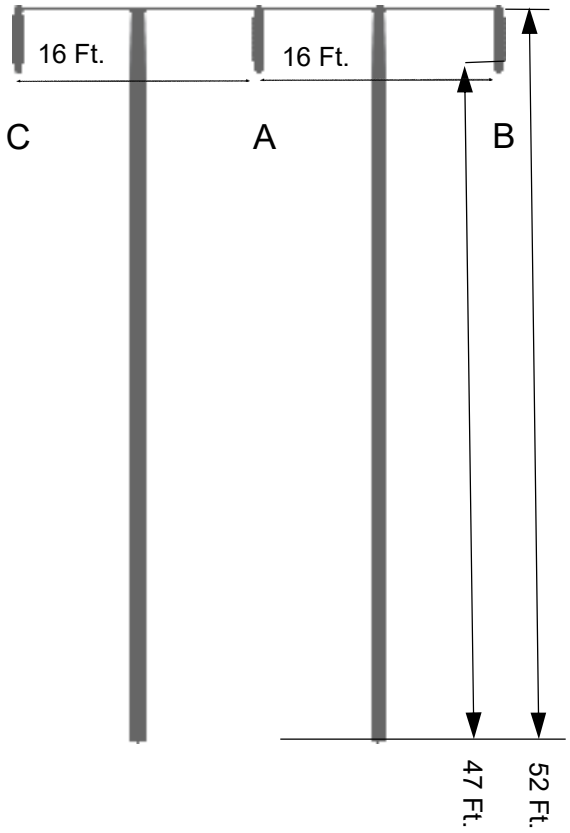
Design Options	Left Edge (mG)	% Change[51]	Right Edge (mG)	% Change[51]
Projected Peak Values without Proposed Project 115 kV T/L	29.139	N/A	30.498	N/A
Proposed Project Peak Values 115 kV T/L	9.42	68% Decrease	9.822	68% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[51] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 53 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 15

Figure 54 - Typical Magnetic Field Levels for Segment 4 Section 15 Baker Substation – Structure 128949, Str. 128939 - 128940 at 215 Amps

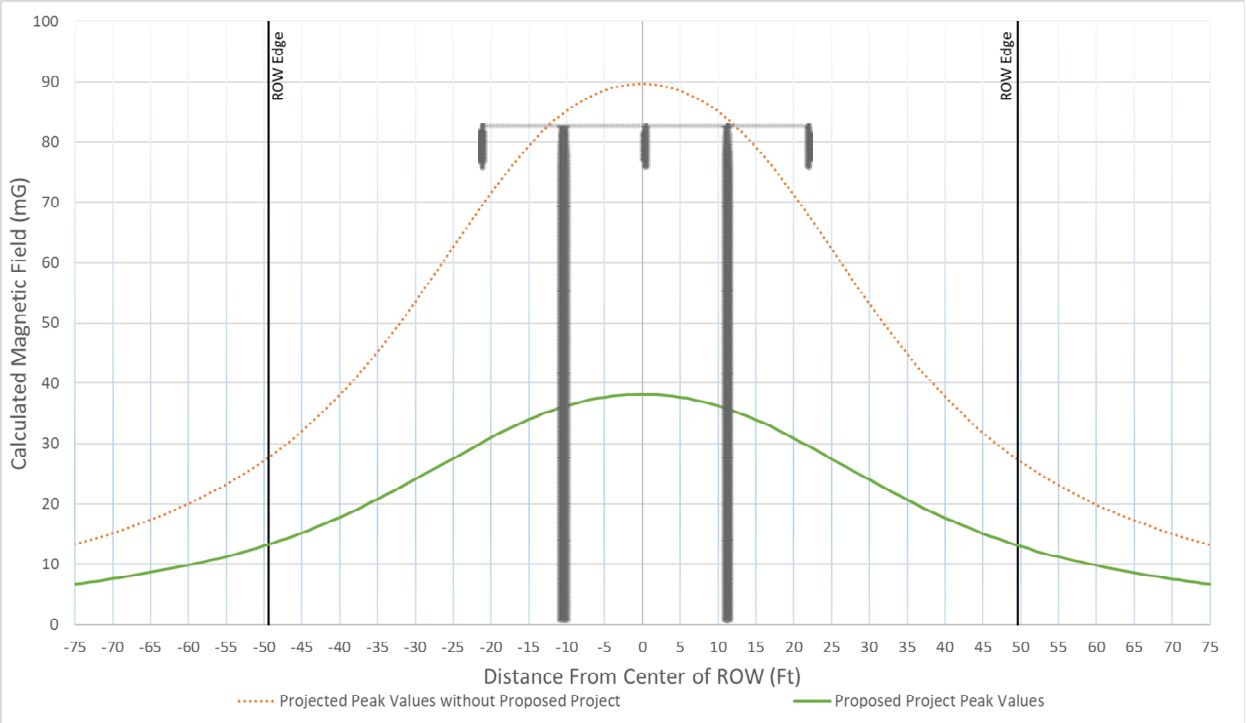


Table 34 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 15 Str. 128939 - 128940

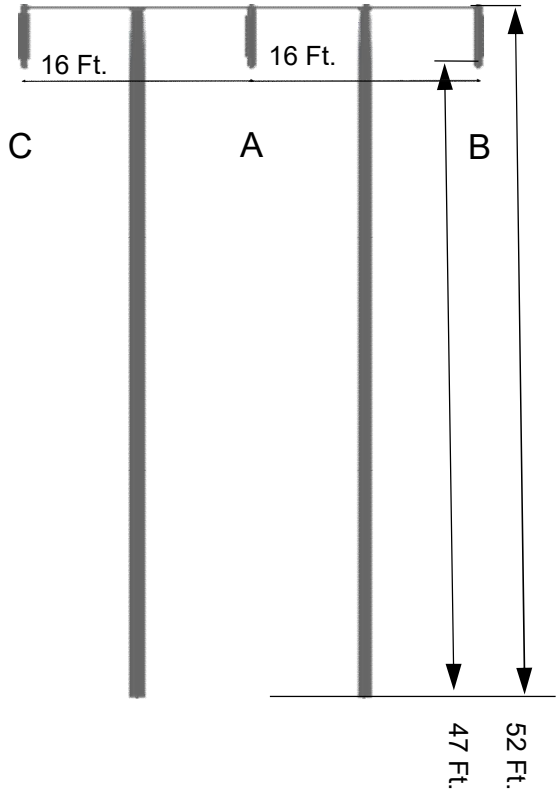
Design Options	Left Edge (mG)	% Change[52]	Right Edge (mG)	% Change[52]
Projected Peak Values without Proposed Project 115 kV T/L	27.224	N/A	27.904	N/A
Proposed Project Peak Values 115 kV T/L	13.124	52% Decrease	13.433	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[52] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 55 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 16

Figure 56 - Typical Magnetic Field Levels for Segment 4 Section 16 Structure 128949 – Structure 128971, Str. 128966 - 128967 at 215 Amps

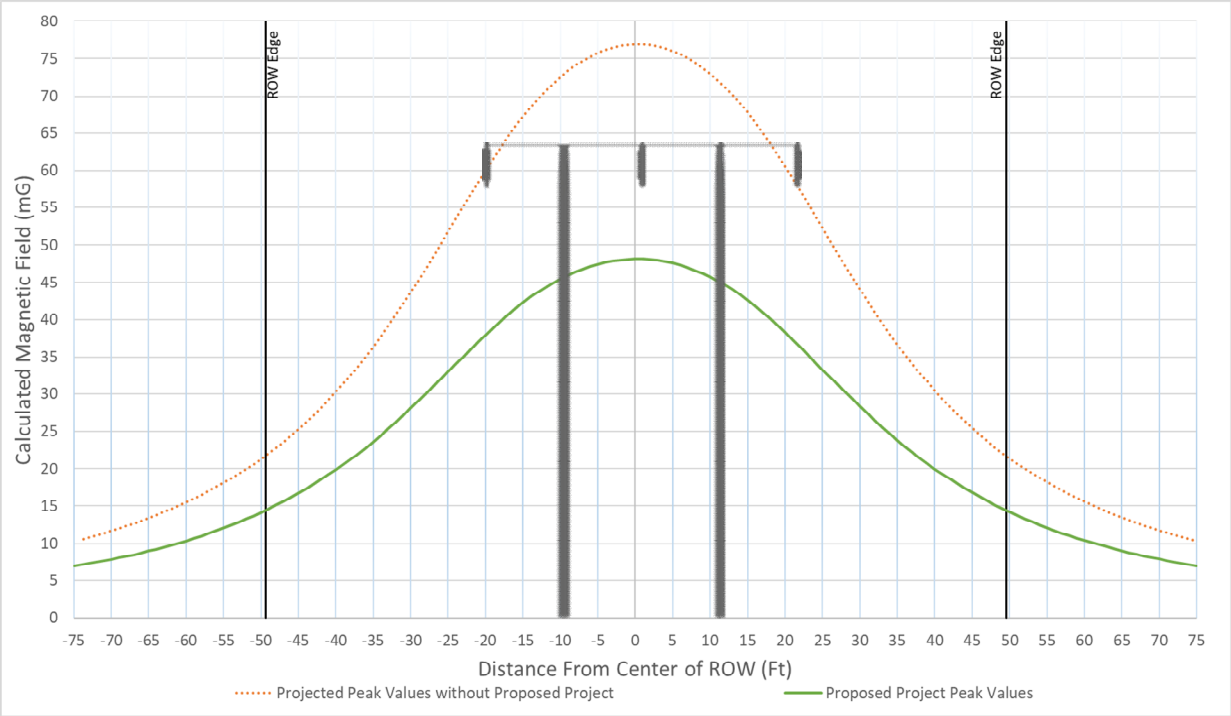


Table 35 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 16 Str. 128966 - 128967

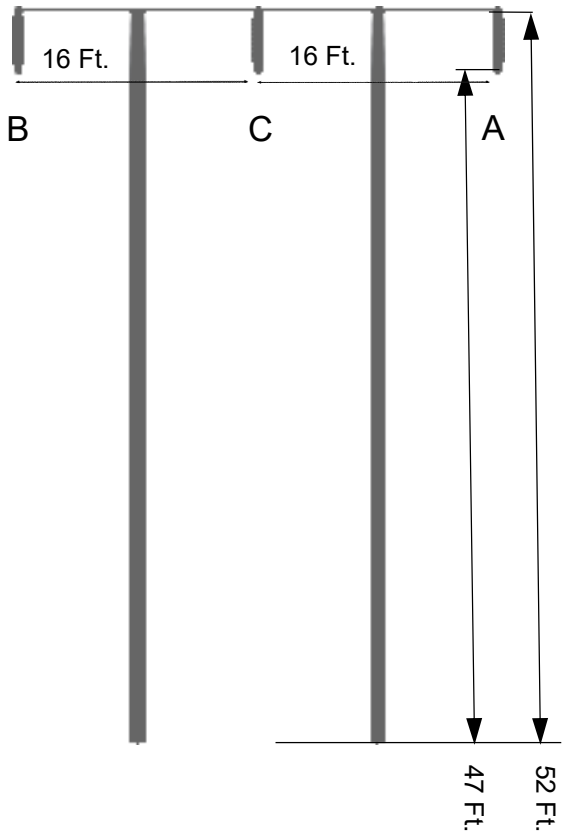
Design Options	Left Edge (mG)	% Change[53]	Right Edge (mG)	% Change[53]
Projected Peak Values without Proposed Project 115 kV T/L	21.282	N/A	22.126	N/A
Proposed Project Peak Values 115 kV T/L	14.13	34% Decrease	14.678	34% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[53] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 57 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 17

Figure 58 - Typical Magnetic Field Levels for Segment 4 Section 17 Structure 128971 – Structure 1281015, Str. 128990 - 128991 at 215 Amps

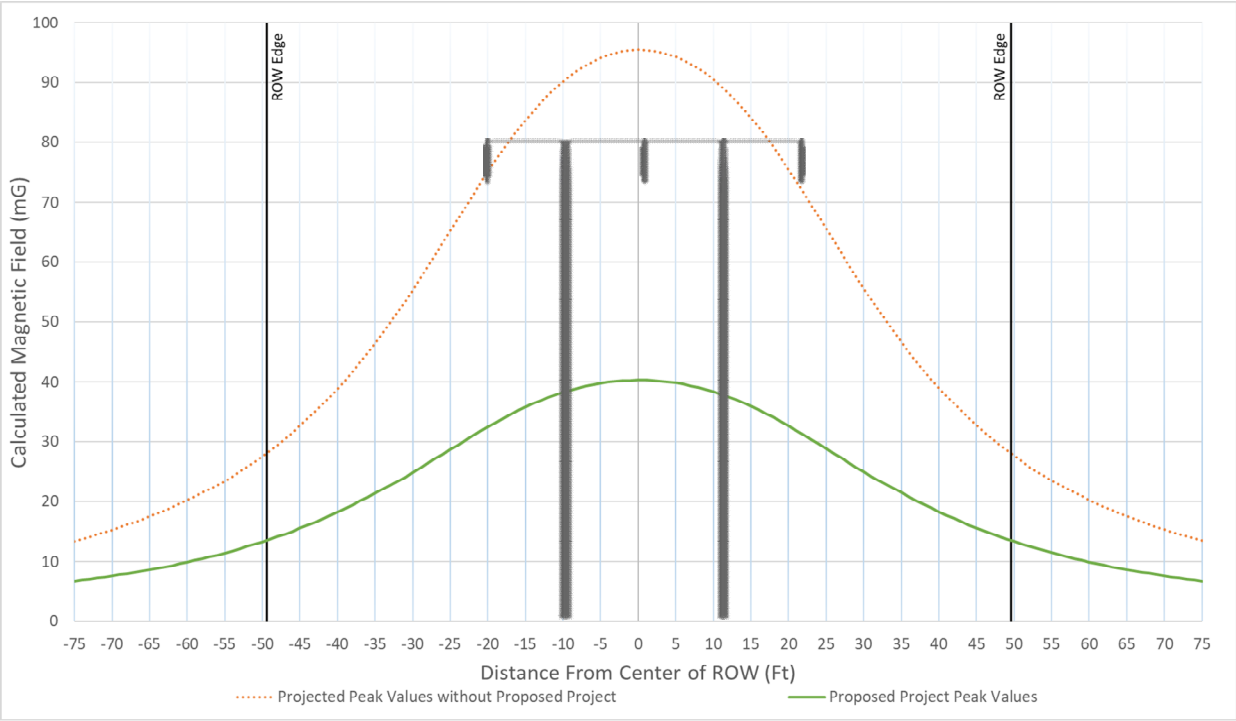


Table 36 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 17 Str. 128990 - 128991

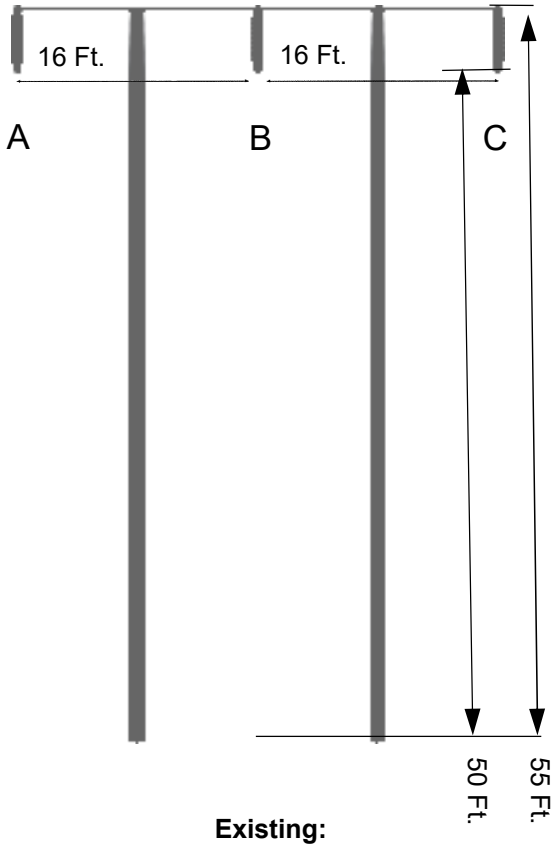
Design Options	Left Edge (mG)	% Change[54]	Right Edge (mG)	% Change[54]
Projected Peak Values without Proposed Project 115 kV T/L	27.569	N/A	28.585	N/A
Proposed Project Peak Values 115 kV T/L	13.312	52% Decrease	13.768	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 55 Ft. Length – 4.5 Ft.

[54] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 59 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 18

Figure 60 - Typical Magnetic Field Levels for Segment 4 Section 18 Structure 1281015 – Structure 1281039, Str. 1281018 - 1281019 at 215 Amps

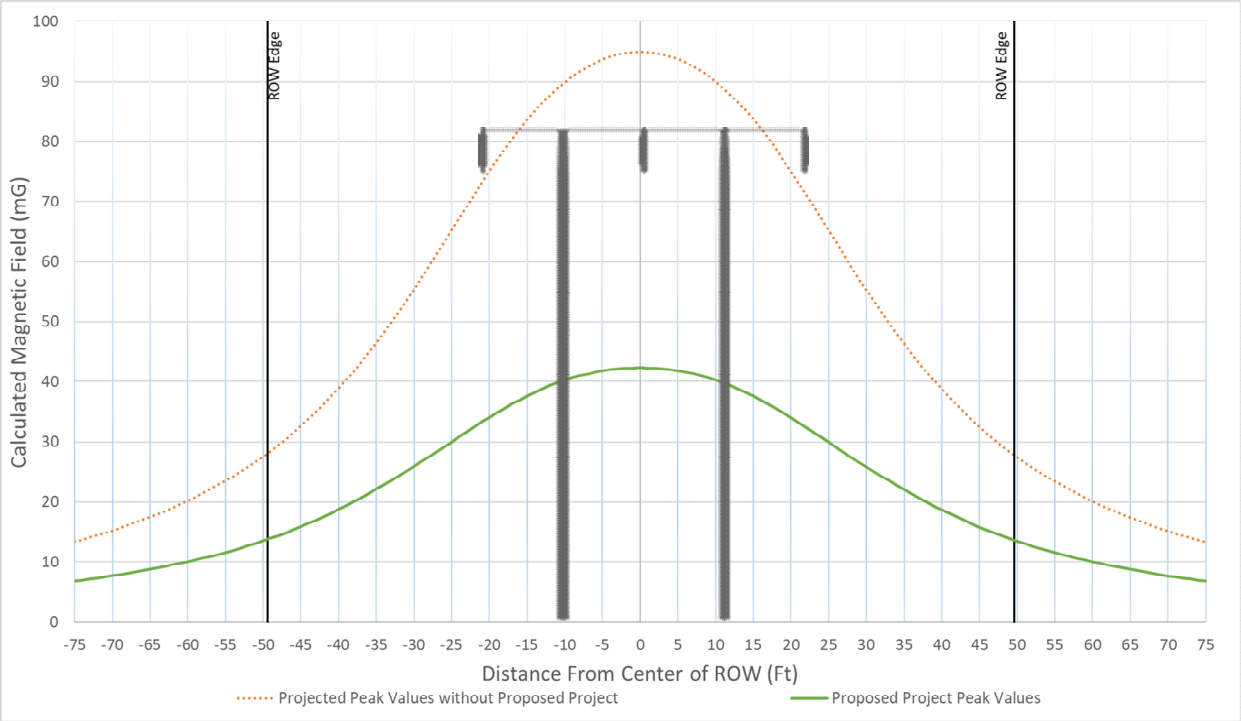


Table 37 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 18 Str. 1281018 - 1281019

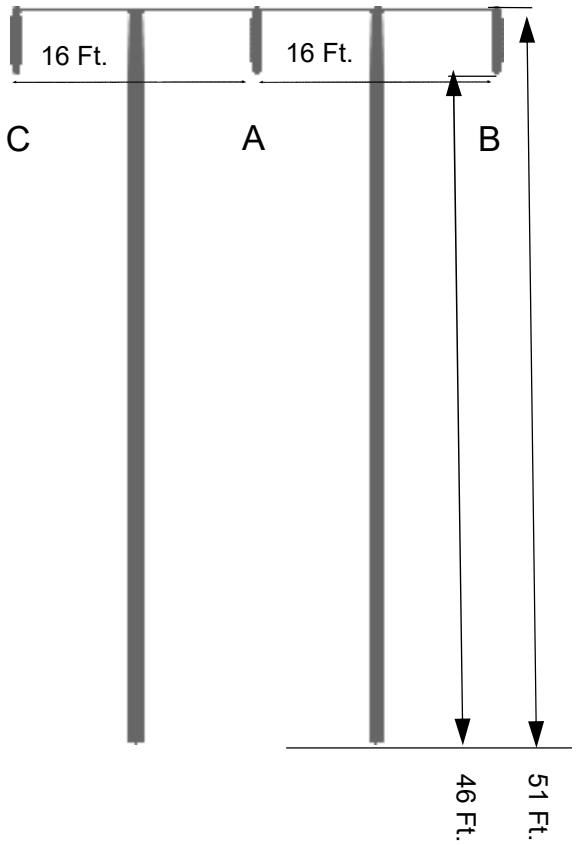
Design Options	Left Edge (mG)	% Change[55]	Right Edge (mG)	% Change[55]
Projected Peak Values without Proposed Project 115 kV T/L	27.61	N/A	28.403	N/A
Proposed Project Peak Values 115 kV T/L	13.599	51% Decrease	13.964	51% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[55] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 61 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 19

Figure 62 - Typical Magnetic Field Levels for Segment 4 Section 19 Structure 1281039 – Structure 1281082, Str. 1281067 - 1281068 at 215 Amps

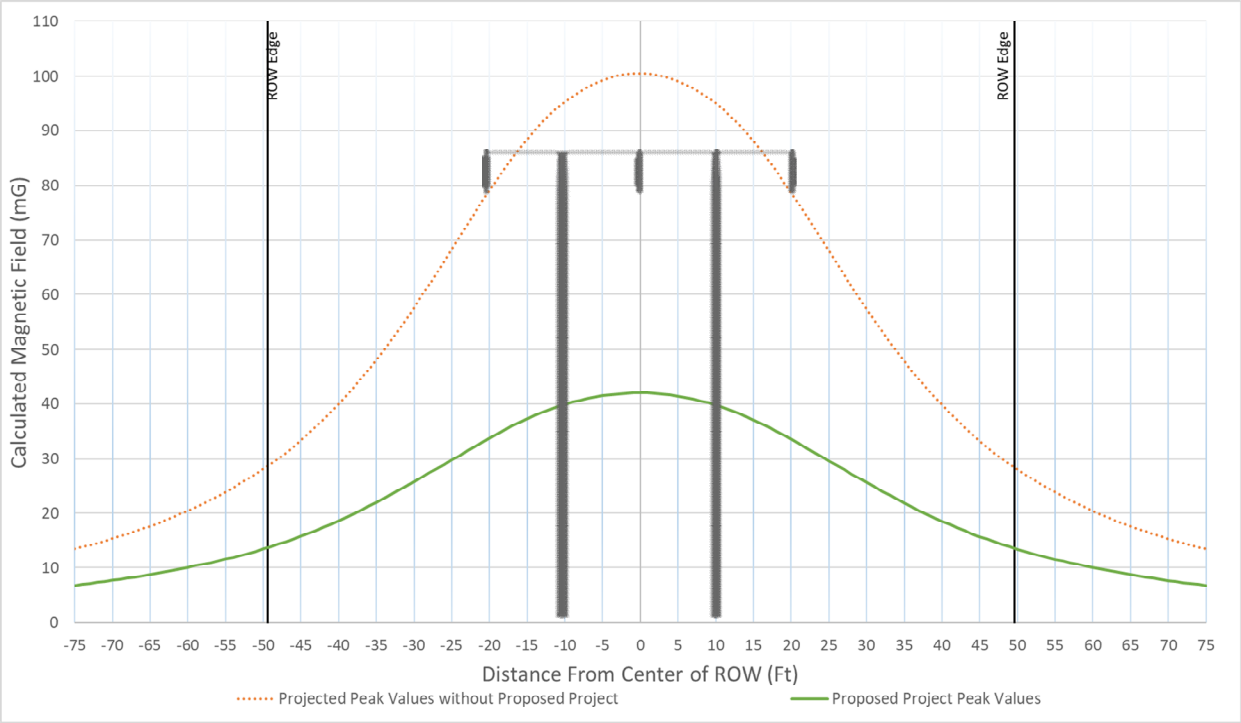


Table 38 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 19 Str. 1281067 - 1281068

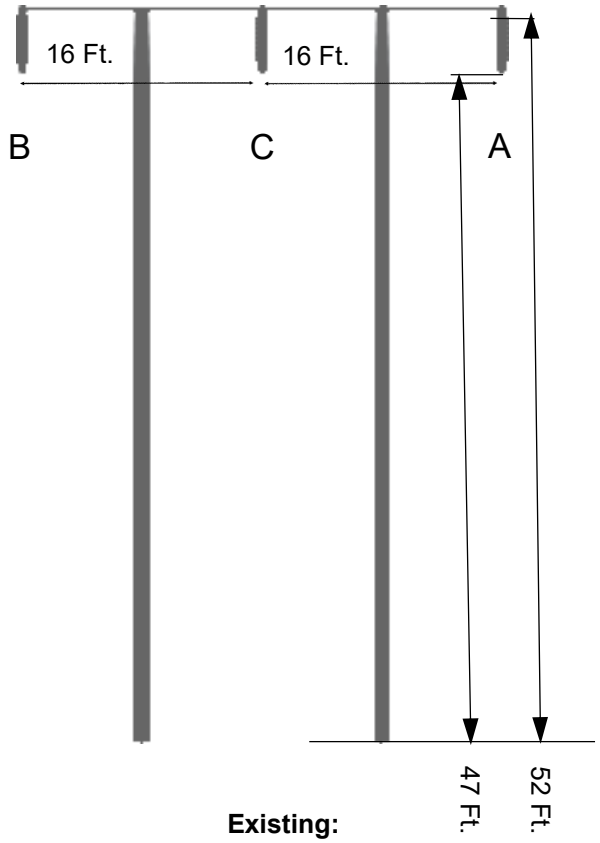
Design Options	Left Edge (mG)	% Change[56]	Right Edge (mG)	% Change[56]
Projected Peak Values without Proposed Project 115 kV T/L	28.123	N/A	28.982	N/A
Proposed Project Peak Values 115 kV T/L	13.551	52% Decrease	13.924	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[56] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 63 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 20

Figure 64 - Typical Magnetic Field Levels for Segment 4 Section 20 Structure 1281082 – Structure 1281104, Str. 1281098 - 1281099 at 215 Amps

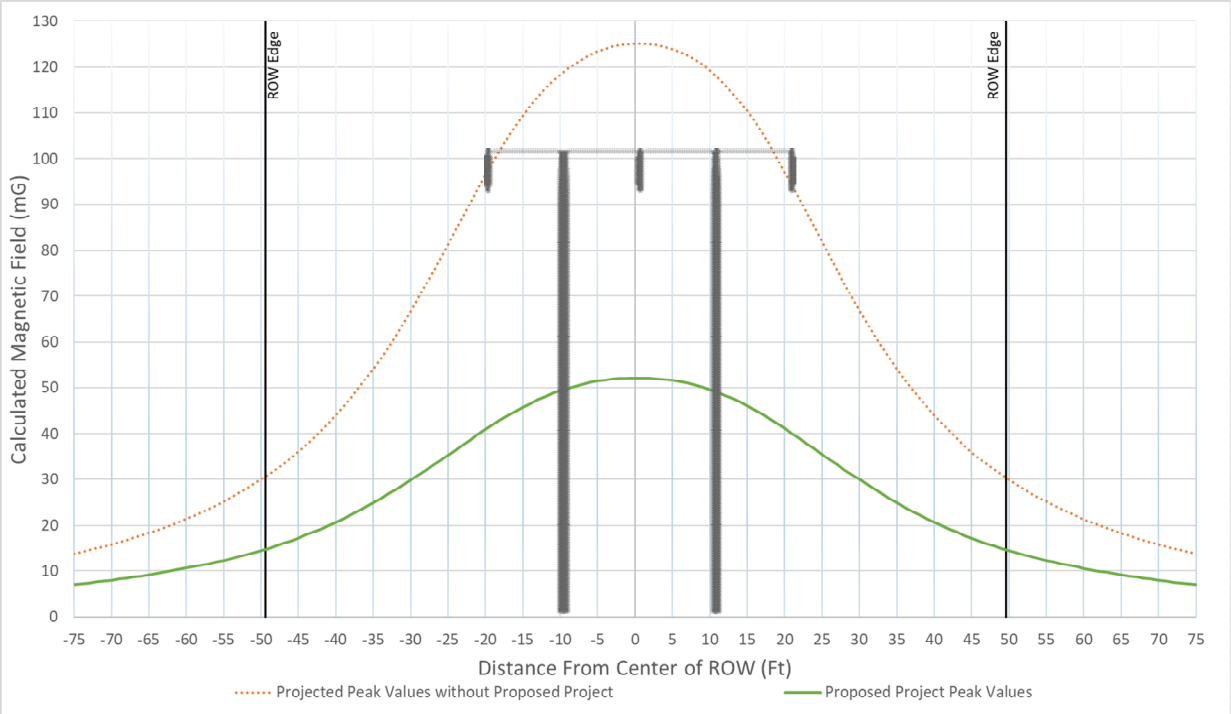


Table 39 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 20 Str. 1281098 - 1281099

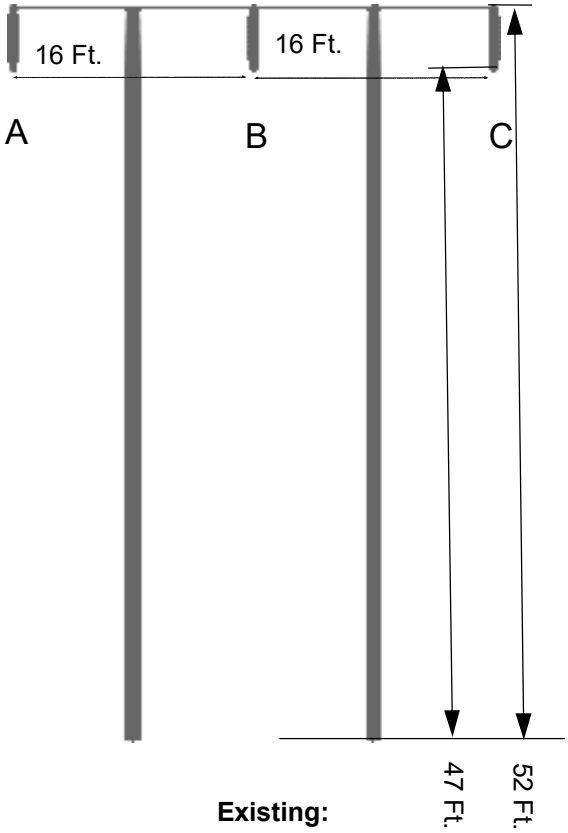
Design Options	Left Edge (mG)	% Change[57]	Right Edge (mG)	% Change[57]
Projected Peak Values without Proposed Project 115 kV T/L	29.998	N/A	31.04	N/A
Proposed Project Peak Values 115 kV T/L	14.576	51% Decrease	15.052	52% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

[57] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 65 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 21

Figure 66 - Typical Magnetic Field Levels for Segment 4 Section 21 Structure 1281104 – Structure 1281146, Str. 1281145 - 1281146 at 215 Amps

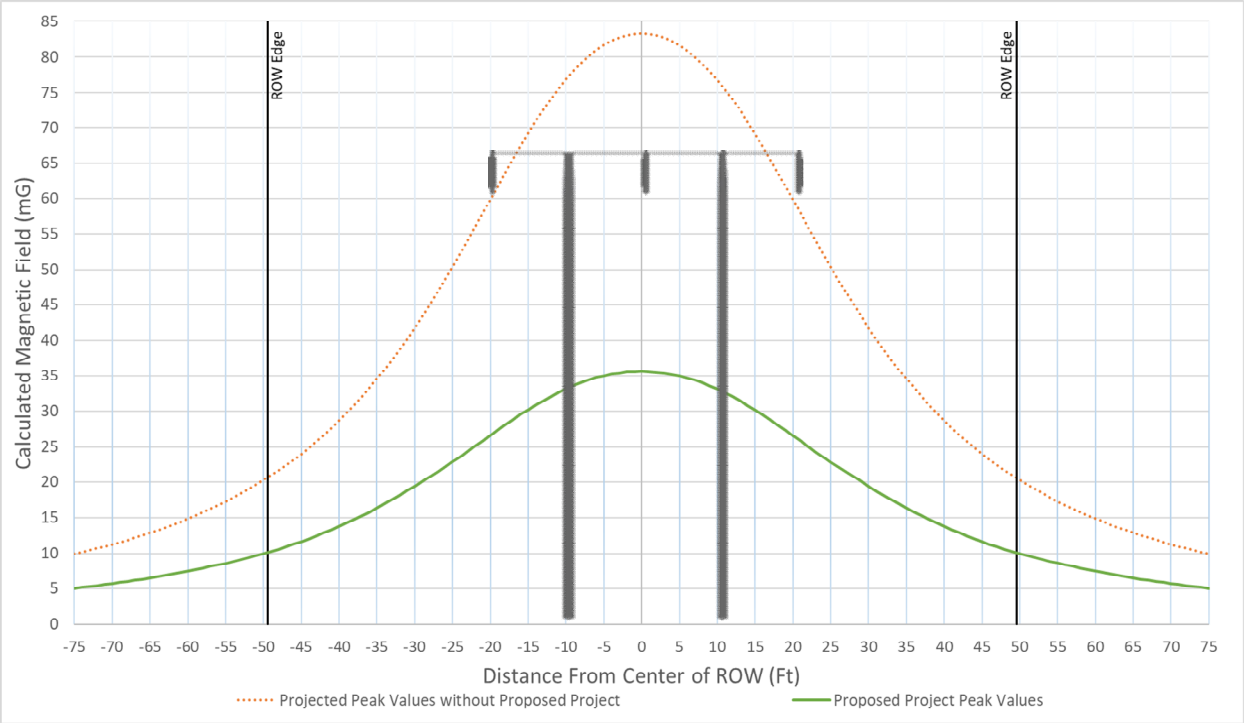


Table 40 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 21 Str. 1281145 - 1281146

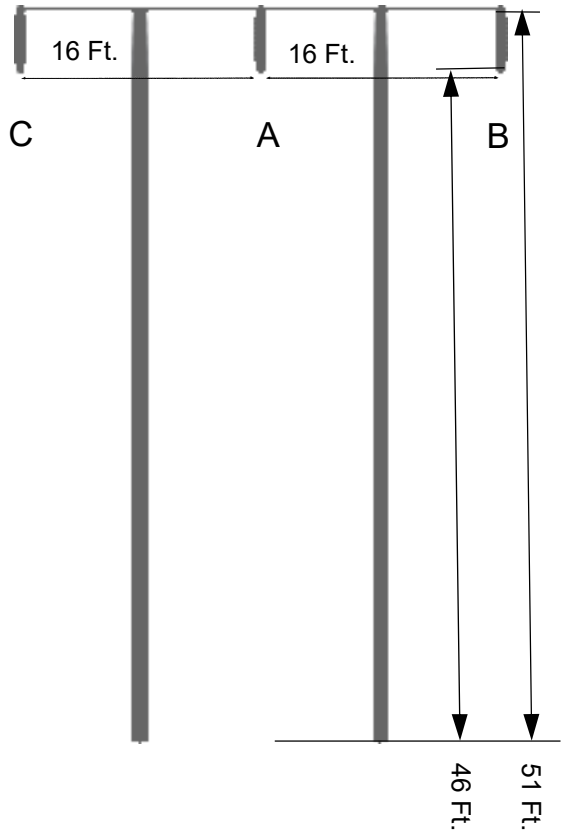
Design Options	Left Edge (mG)	% Change[58]	Right Edge (mG)	% Change[58]
Projected Peak Values without Proposed Project 115 kV T/L	20.268	N/A	20.966	N/A
Proposed Project Peak Values 115 kV T/L	9.969	51% Decrease	10.285	51% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 51 Ft. Length – 4.5 Ft.

[58] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 67 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 22

Figure 68 - Typical Magnetic Field Levels for Segment 4 Section 22 Structure 1281146 – Structure 1281167, Str. 1281154 – 1281155 at 215 Amps

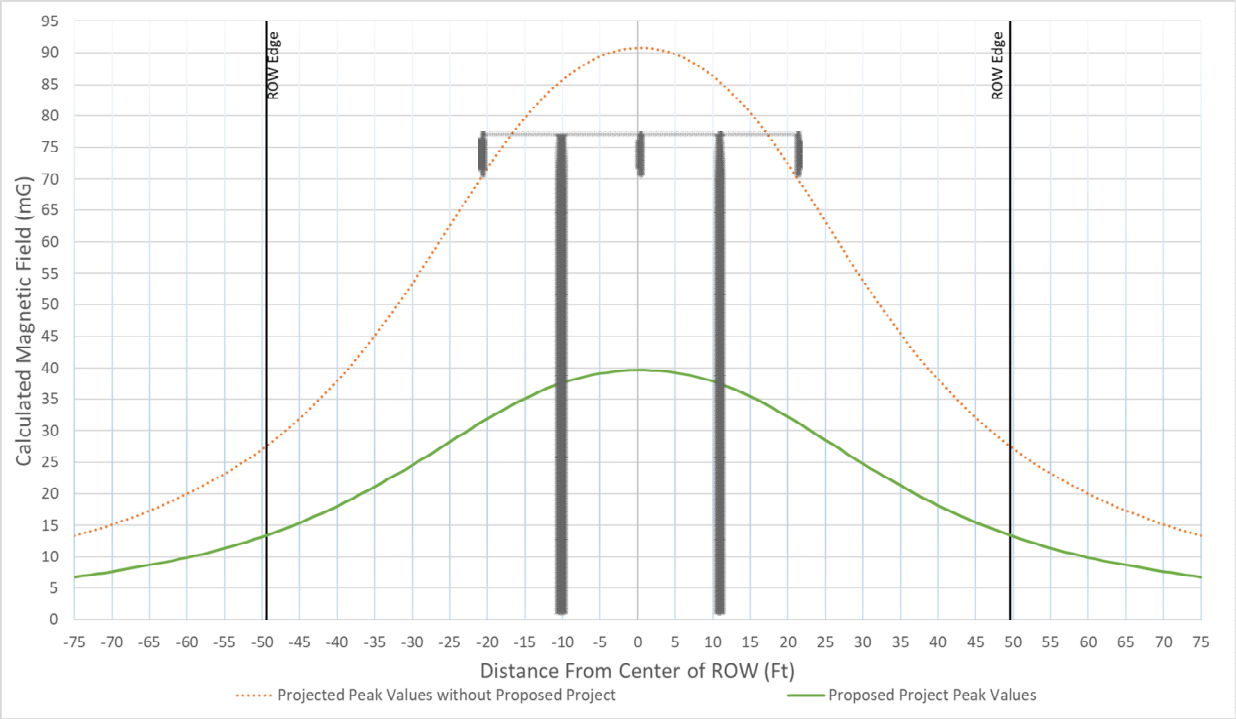


Table 41 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 22 Str. 1281154 – 1281155

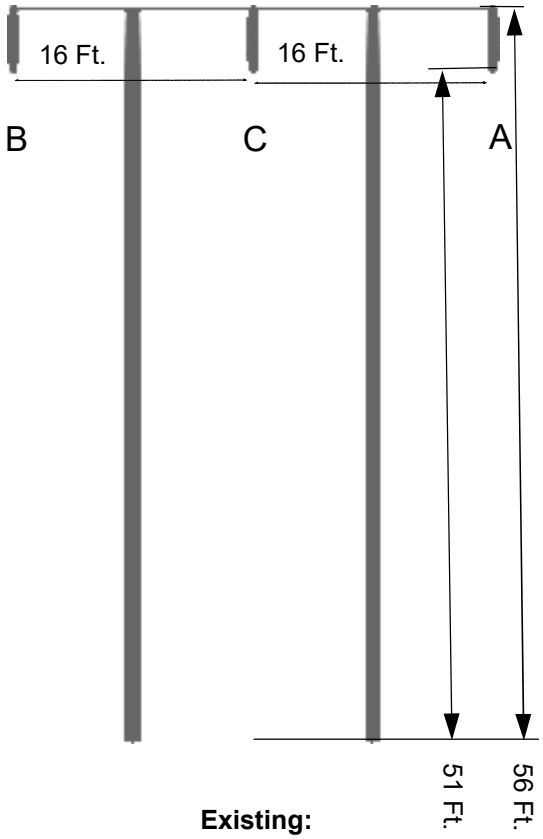
Design Options	Left Edge (mG)	% Change[59]	Right Edge (mG)	% Change[59]
Projected Peak Values without Proposed Project 115 kV T/L	27.091	N/A	28.089	N/A
Proposed Project Peak Values 115 kV T/L	13.211	51% Decrease	13.678	51% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 56 Ft. Length – 4.5 Ft.

[59] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 69 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 23

Figure 70 - Typical Magnetic Field Levels for Segment 4 Section 23 Structure 1281167 – Mountain Pass Substation, Str. 1281170 - 1281171 at 215 Amps

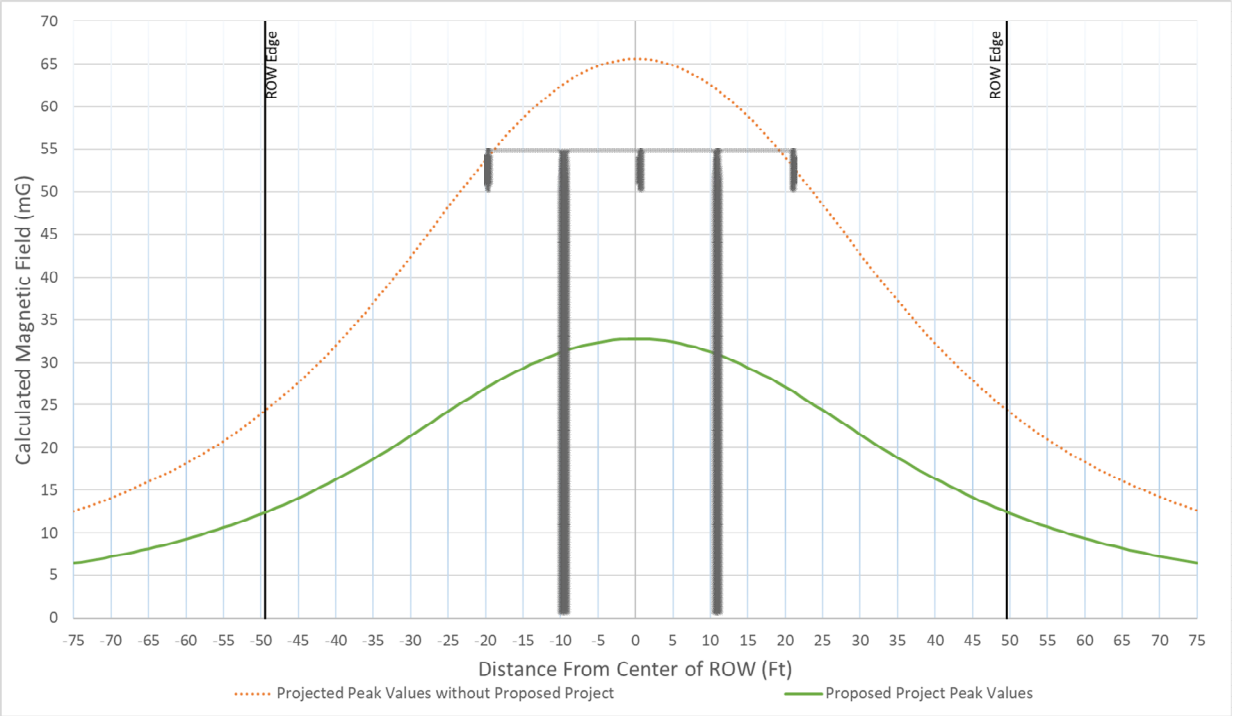


Table 42 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 23 Str. 1281170 - 1281171

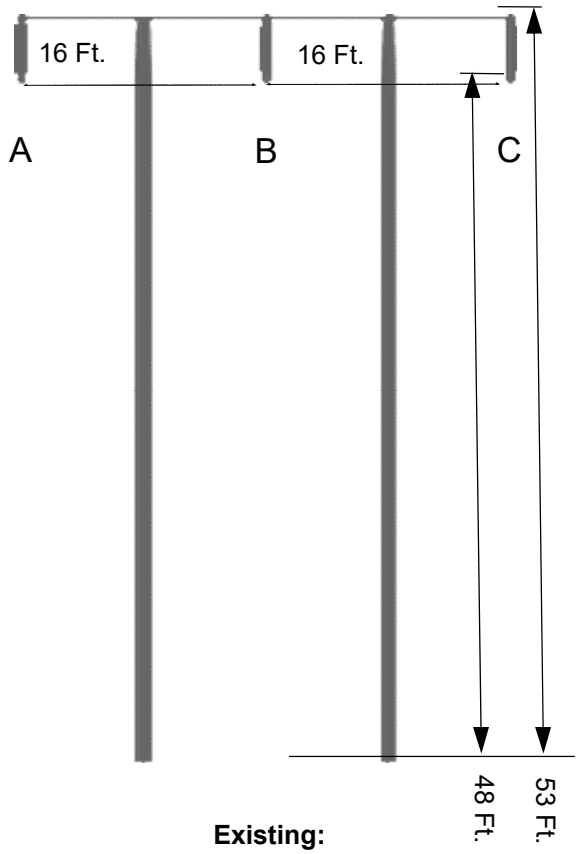
Design Options	Left Edge (mG)	% Change[60]	Right Edge (mG)	% Change[60]
Projected Peak Values without Proposed Project 115 kV T/L	23.925	N/A	24.824	N/A
Proposed Project Peak Values 115 kV T/L	12.198	49% Decrease	12.645	49% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 53 Ft. Length – 4.5 Ft.

[60] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 71 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 24

Figure 72 - Typical Magnetic Field Levels for Segment 4 Section 24 Mountain Pass Substation – Structure 1281210, Str. 1281202 - 1281203 at 240 Amps

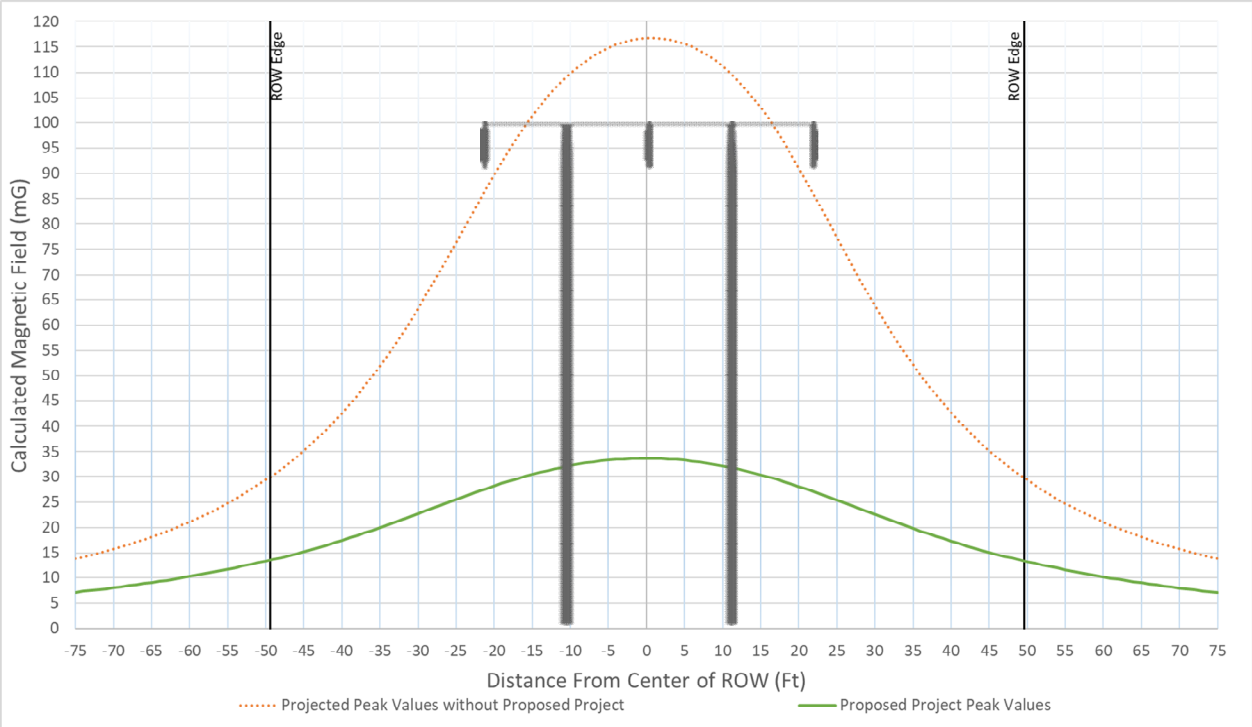


Table 43 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 24 Str. 1281202 - 1281203

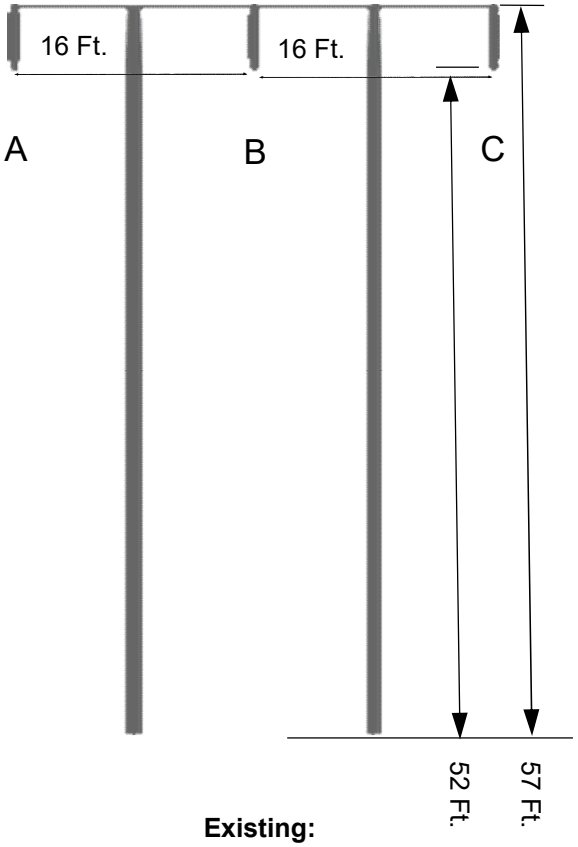
Design Options	Left Edge (mG)	% Change[61]	Right Edge (mG)	% Change[61]
Projected Peak Values without Proposed Project 115 kV T/L	29.335	N/A	30.375	N/A
Proposed Project Peak Values 115 kV T/L	13.314	55% Decrease	13.557	55% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 57 Ft. Length – 4.5 Ft.

[61] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 73 – Tower and Insulator Dimensions and Phasing



Existing:

Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 25

Figure 74 - Typical Magnetic Field Levels for Segment 4 Section 25 Structure 1281210 - Ivanpah Substation, Str. 1281212- 1281213 at 240 Amps

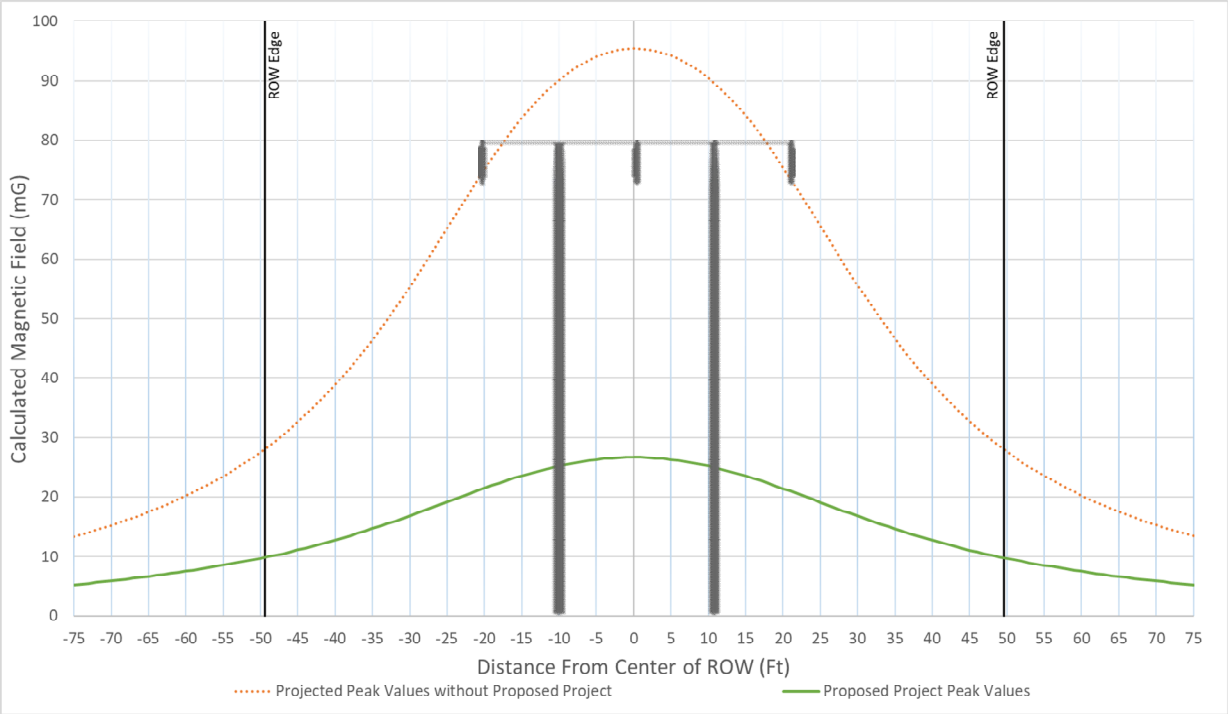


Table 44 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 25 Str. 1281212- 1281213

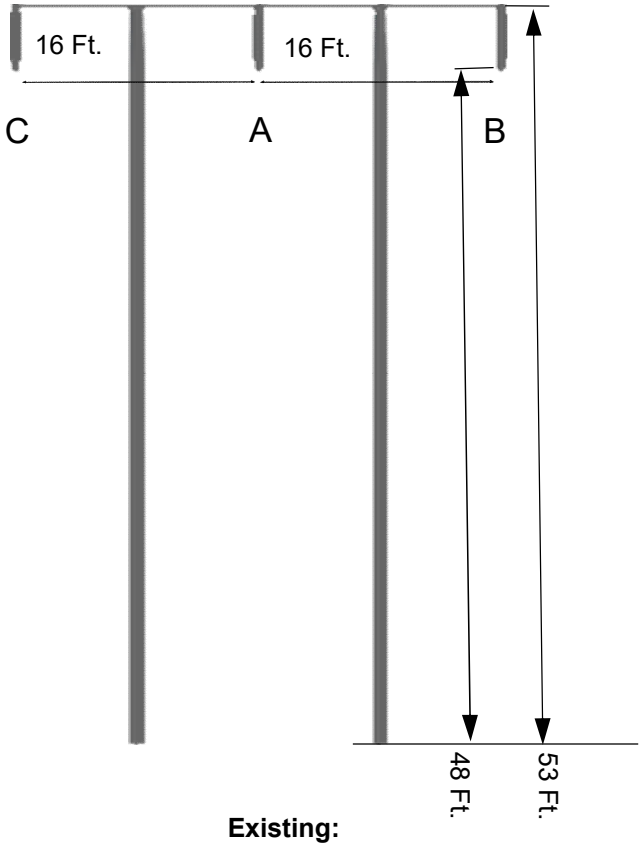
Design Options	Left Edge (mG)	% Change[62]	Right Edge (mG)	% Change[62]
Projected Peak Values without Proposed Project 115 kV T/L	27.569	N/A	28.585	N/A
Proposed Project Peak Values 115 kV T/L	9.727	65% Decrease	9.963	65% Decrease

All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 53 Ft. Length – 4.5 Ft.

[62] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 75 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

RESIDENTIAL GRAPHS

These graphs are based on calculations that occur on spans that are the lowest near residential areas that are of concern. The magnetic field created by these spans are less in magnitude than the worst span in each segment, but these are more of a concern for the residents that live near the ROW.

Segment 1 Section 1, Str. 36-37

Figure 76 - Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 36-37 at 415 Amps

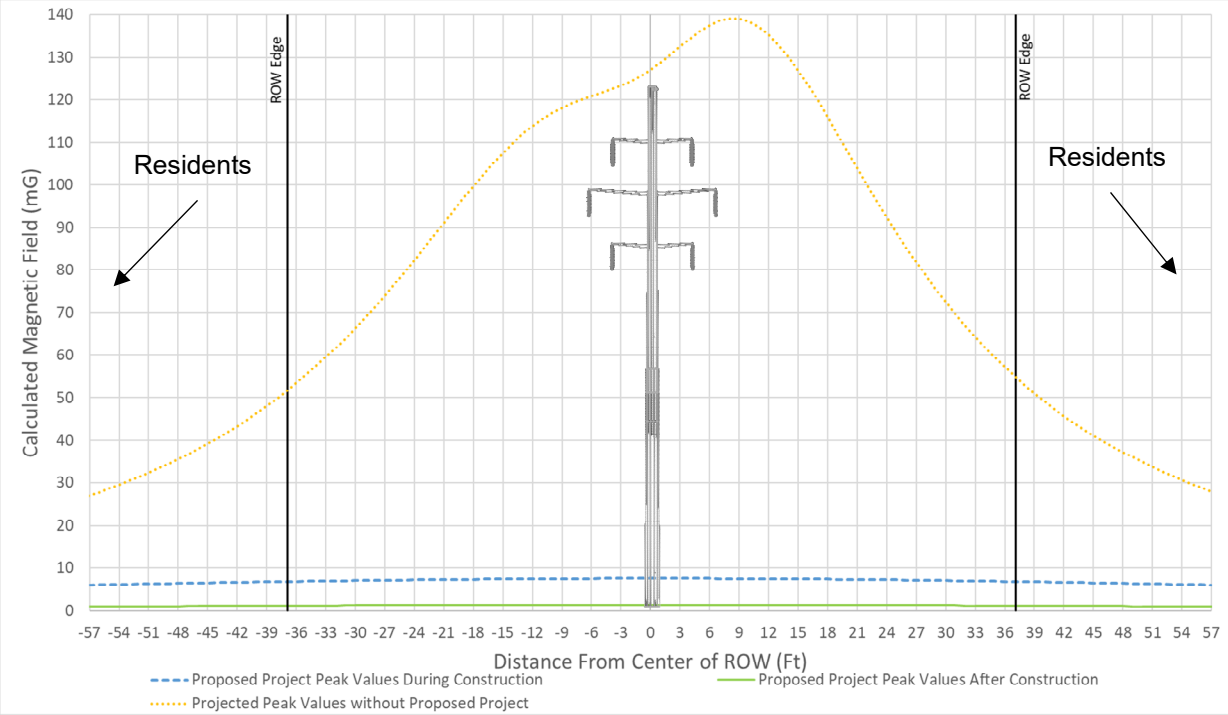


Table 45 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 1 Str. 36-37

Design Options	Left Edge (mG)	% Change[63]	Right Edge (mG)	% Change[63]
Projected Peak Values without Proposed Project 115 kV T/L	51.553	N/A	55.029	N/A
Proposed 115 kV T/L During Construction	6.772	87% Decrease	6.785	88% Decrease
Proposed 115 kV T/L After Construction	1.199	98% Decrease	1.203	98% Decrease

All calculations were made at a height of 3 feet all across the ROW.

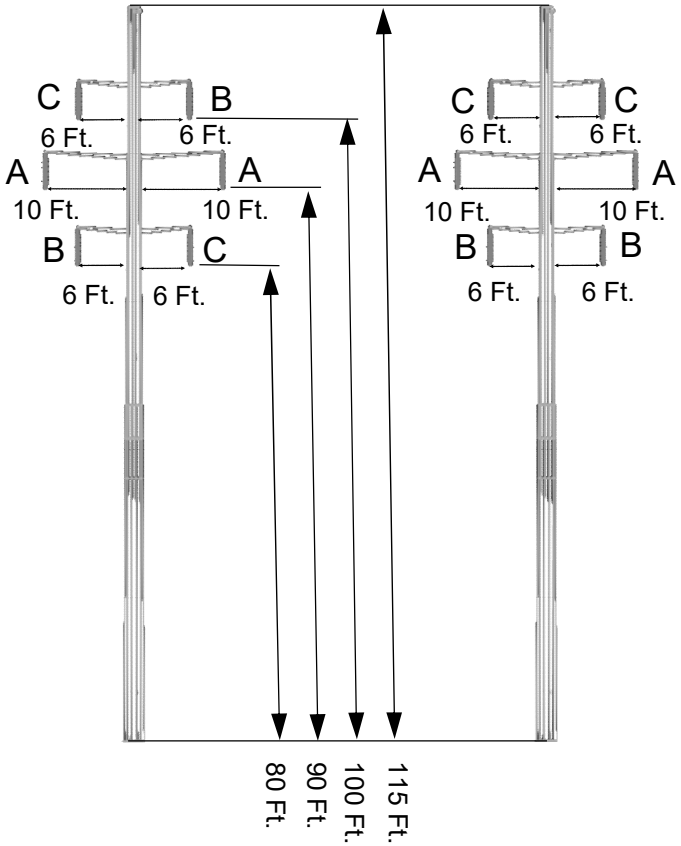
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 115 Ft. Length – 4 Ft.

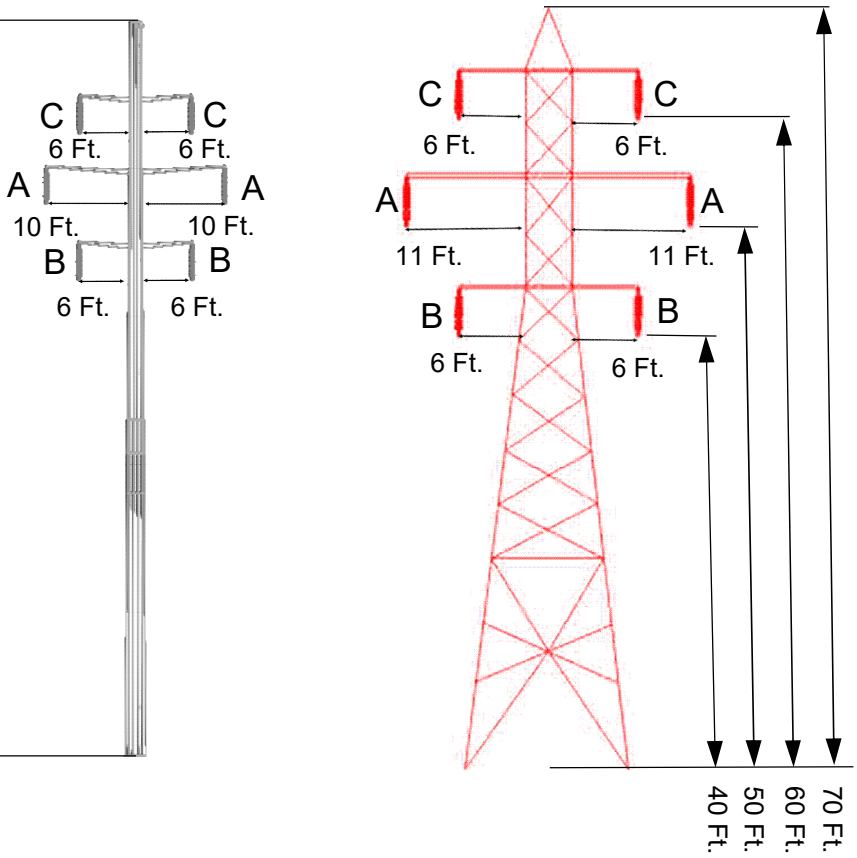
The residential areas are on both sides as viewed in this graph.

[63] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 77 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale



Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale

Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 1, Str. 55-56

Figure 78 – Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 55-56 at 415 Amps

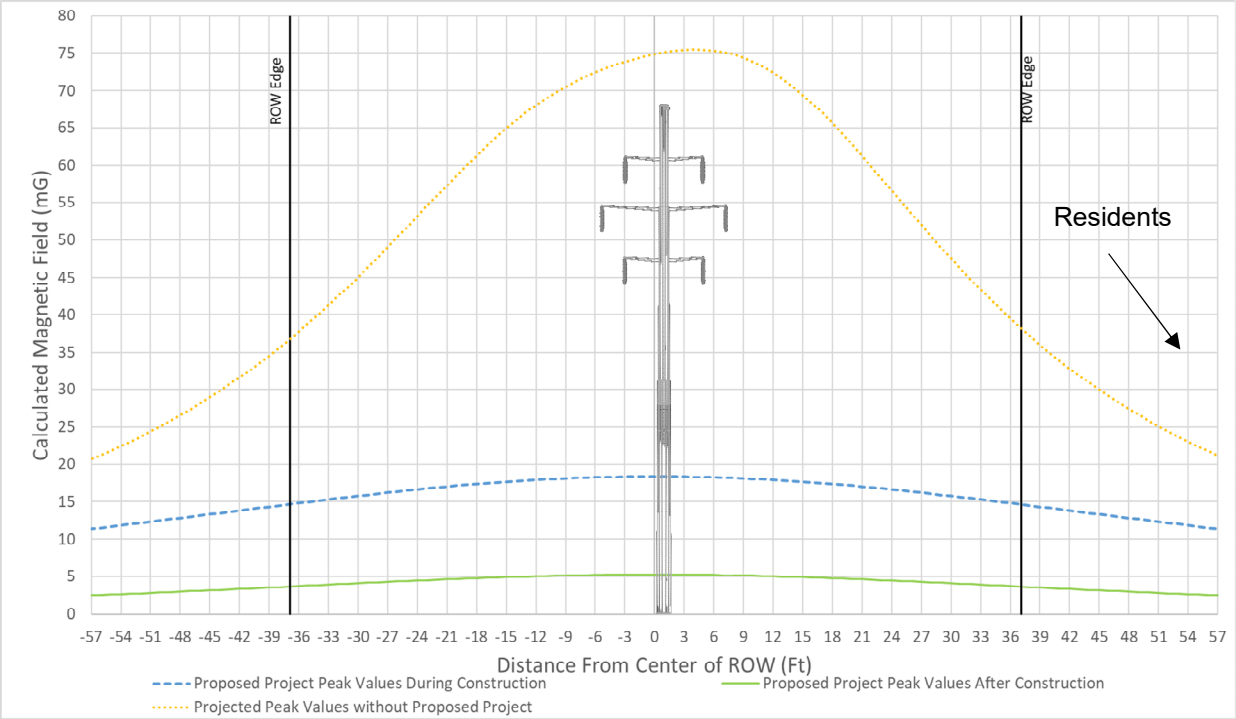


Table 46 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Section 1 Str. 55-56

Design Options	Left Edge (mG)	% Change[64]	Right Edge (mG)	% Change[64]
Projected Peak Values without Proposed Project 115 kV T/L	36.656	N/A	38.304	N/A
Proposed 115 kV T/L During Construction	14.643	60% Decrease	14.644	62% Decrease
Proposed 115 kV T/L After Construction	3.638	90% Decrease	3.638	91% Decrease

All calculations were made at a height of 3 feet all across the ROW.

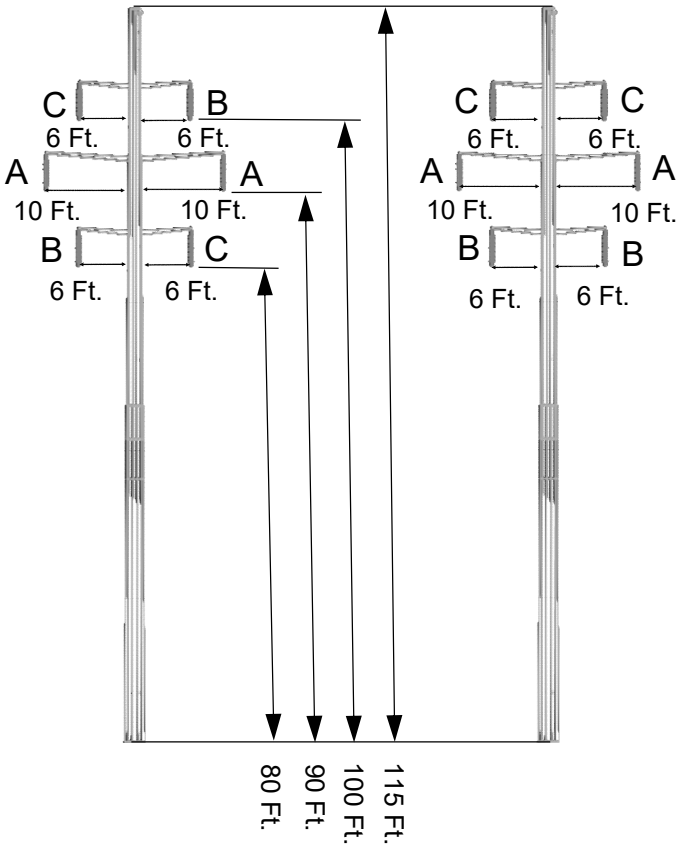
Tower Height and Insulator Length
Height – 75 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 115 Ft. Length – 4 Ft.

The residential area is to the right as viewed in this graph.

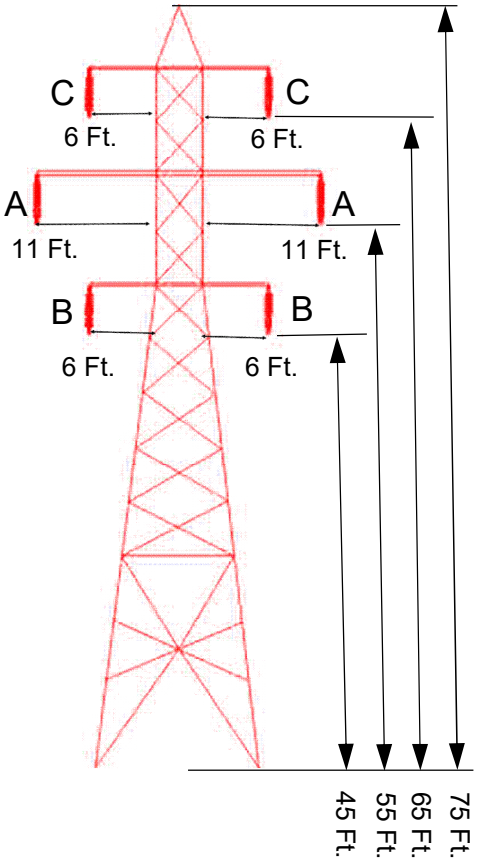
[64] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 79 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 1, Str. 137-138

Figure 80 - Typical Magnetic Field Levels for Segment 1 Section 1 Control – Structure 214, Str. 137-138 at 415 Amps

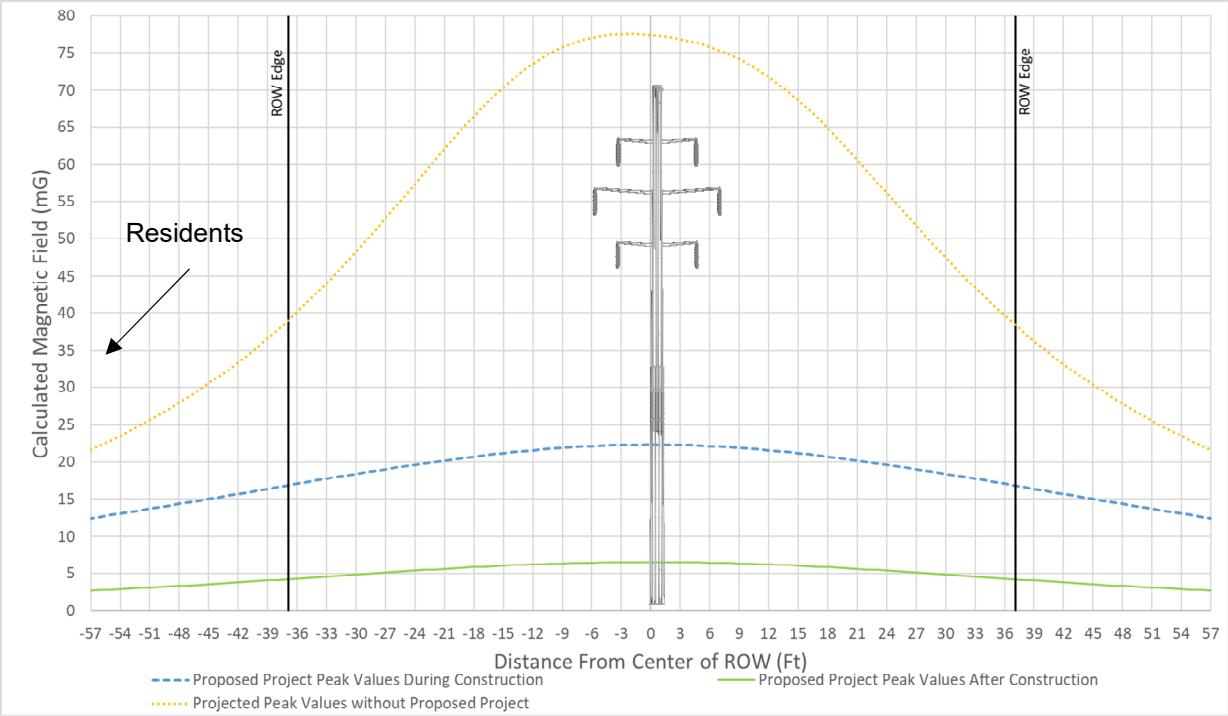


Table 47 – Comparison of Magnetic Fields at Edge of ROW for Segment 1 Str. 137-138

Design Options	Left Edge (mG)	% Change[65]	Right Edge (mG)	% Change[65]
Projected Peak Values without Proposed Project 115 kV T/L	38.942	N/A	38.519	N/A
Proposed 115 kV T/L During Construction	16.803	57% Decrease	16.803	56% Decrease
Proposed 115 kV T/L After Construction	4.21	89% Decrease	4.21	89% Decrease

All calculations were made at a height of 3 feet all across the ROW.

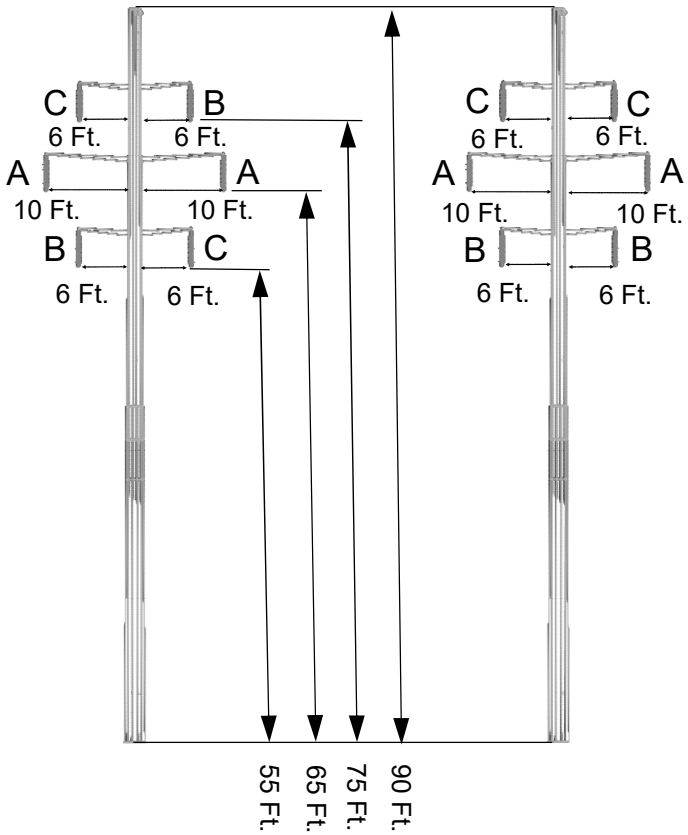
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 90 Ft. Length – 4 Ft.

The residential area is to the left as viewed in this graph.

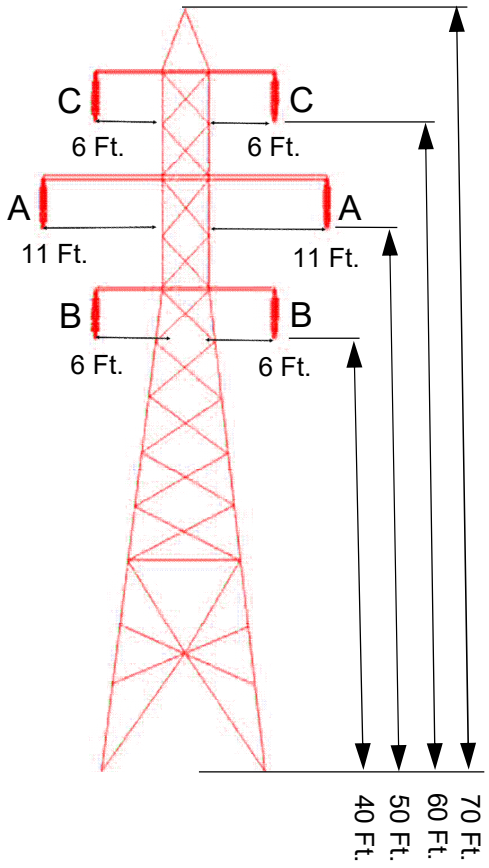
[65] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 81 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 4, Str. 707-708

Figure 82 – Typical Magnetic Field Levels for Segment 1 Section 4 Structure 683 – Structure 912, Str. 707-708 at 415 Amps

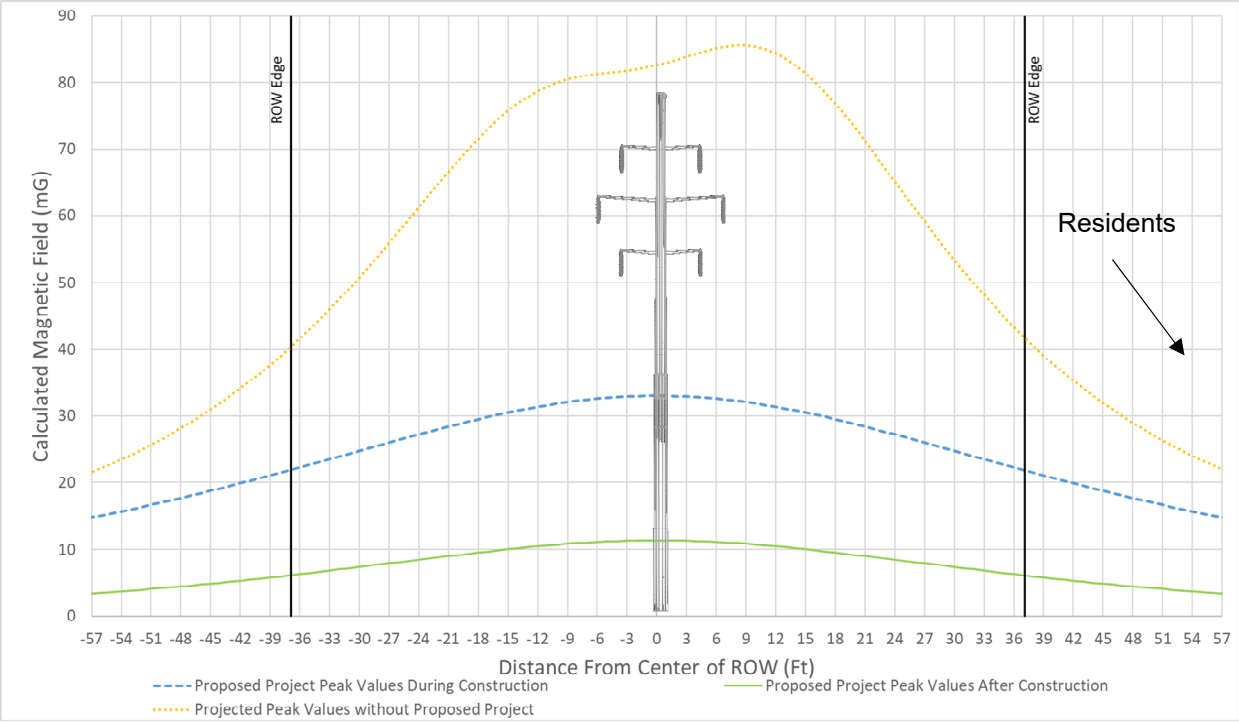


Table 48 – Comparison of Magnetic Fields at Edge of ROW for Segment 3 Str. 707-708

Design Options	Left Edge (mG)	% Change[66]	Right Edge (mG)	% Change[66]
Projected Peak Values without Proposed Project 115 kV T/L	40.22	N/A	41.849	N/A
Proposed 115 kV T/L During Construction	21.844	46% Decrease	21.844	48% Decrease
Proposed 115 kV T/L After Construction	6.046	85% Decrease	6.046	86% Decrease

All calculations were made at a height of 3 feet all across the ROW.

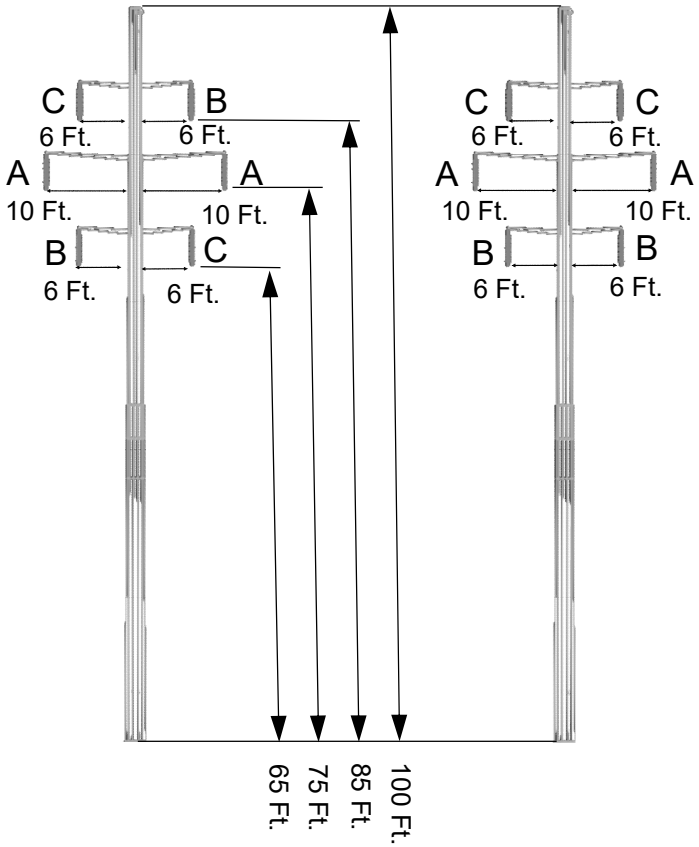
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 100 Ft. Length – 4 Ft.

The residential area is to the right as viewed in this graph.

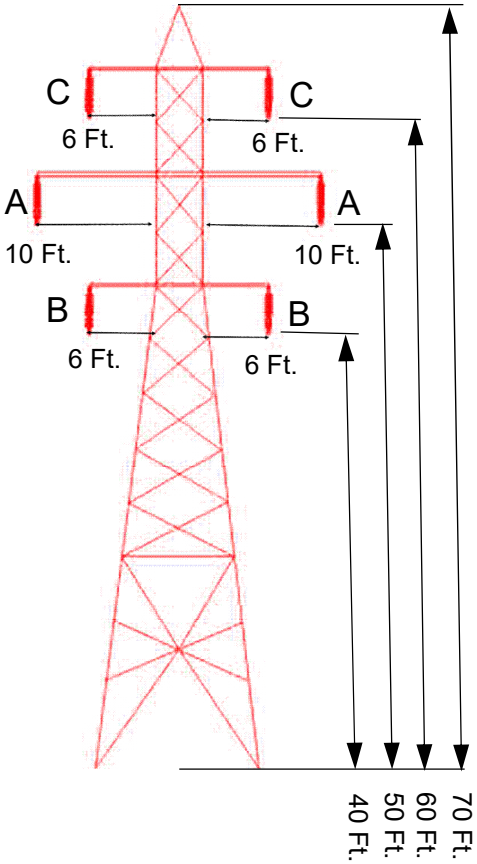
[66] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 83 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 1 Section 5, Str. 1045-1046

Figure 84 – Typical Magnetic Field Levels for Segment 1 Section 5 Structure 912 – Inyokern Substation, Str. 1045-1046 at 415 Amps

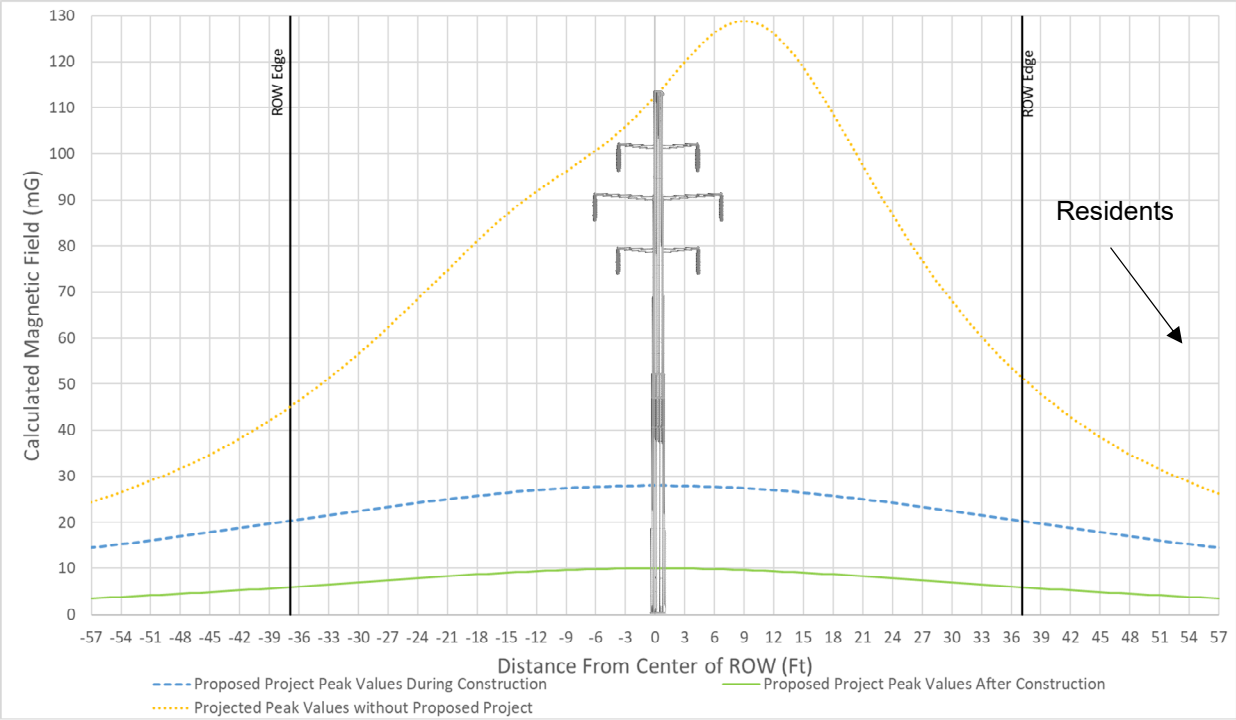


Table 49 – Comparison of Magnetic Fields at Edge of ROW for Segment 5 Str. 1045-1046

Design Options	Left Edge (mG)	% Change[67]	Right Edge (mG)	% Change[67]
Projected Peak Values without Proposed Project 115 kV T/L	44.968	N/A	51.628	N/A
Proposed 115 kV T/L During Construction	20.331	55% Decrease	20.331	61% Decrease
Proposed 115 kV T/L After Construction	5.926	87% Decrease	5.926	89% Decrease

All calculations were made at a height of 3 feet all across the ROW.

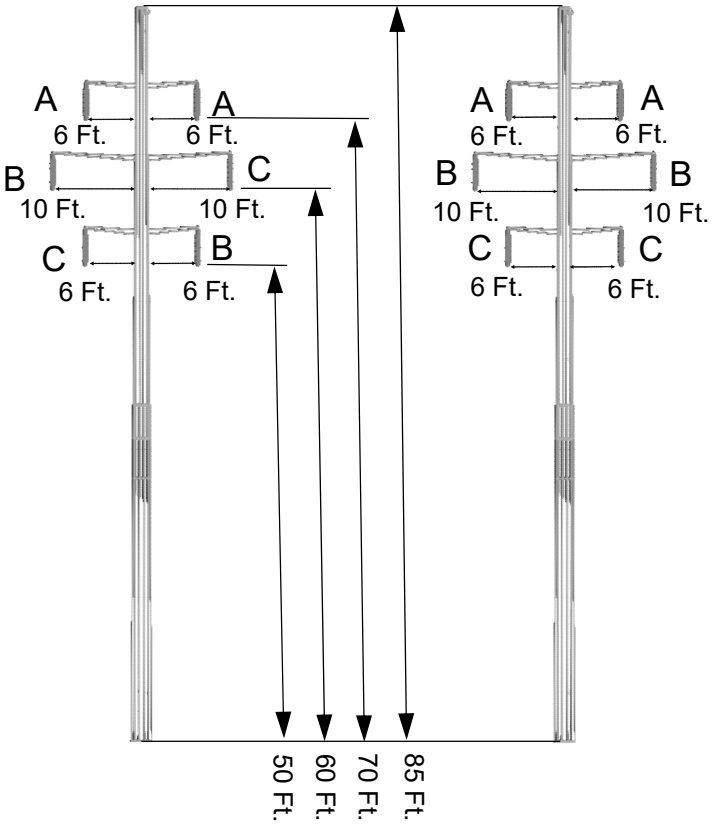
Tower Height and Insulator Length
Height – 70 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 85 Ft. Length – 4 Ft.

The residential area is to the right as viewed in this graph.

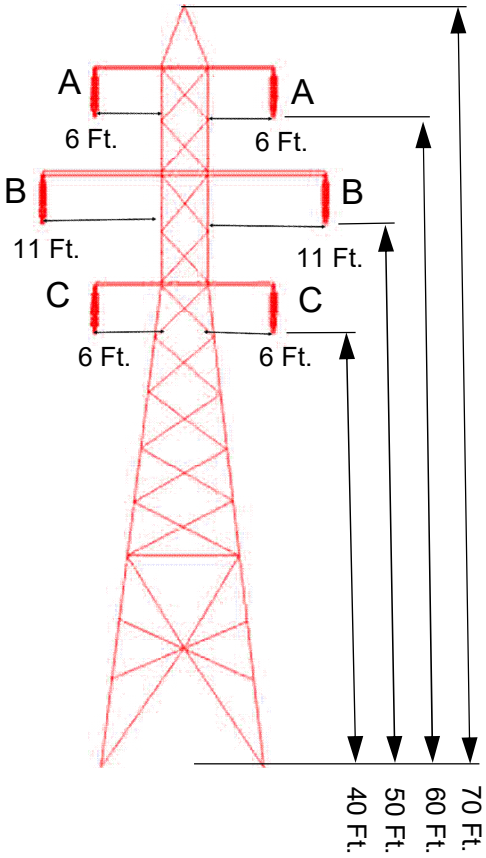
[67] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 85 – Tower and Insulator Dimensions and Phasing



Proposed After Construction:
Double Circuit – Monopole
Figure not to Scale

Proposed During Construction:
Double Circuit – Monopole
Figure not to Scale



Existing:
Double circuit - Lattice Tower
Figure not to Scale

Segment 2 Section 1, Str. 121165 – 121166

Figure 86 – Typical Magnetic Field Levels for Segment 2 Section 1 Kramer Substation – Structure 121255, Str. 121165 – 121166 at 830 Amps

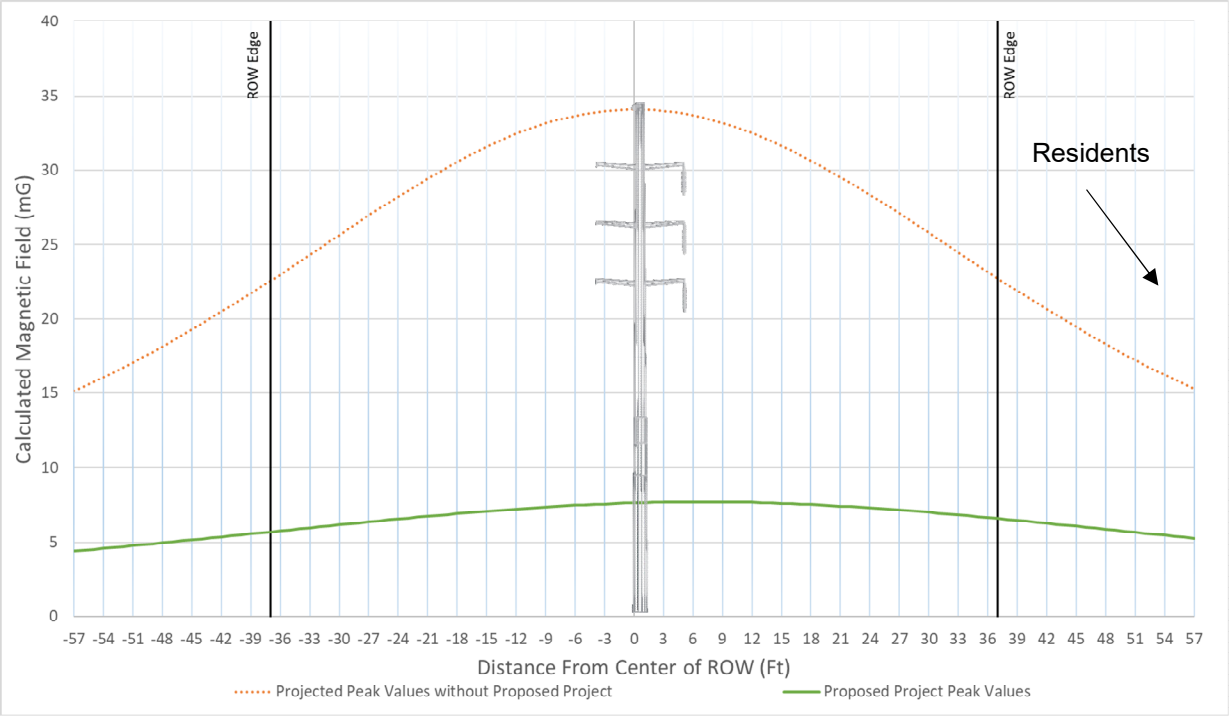


Table 50 – Comparison of Magnetic Fields at Edge of ROW for Segment 2 Section 1 Str. 121165 – 121166

Design Options	Left Edge (mG)	% Change[68]	Right Edge (mG)	% Change[68]
Projected Peak Values without Proposed Project 115 kV T/L	22.567	N/A	22.737	N/A
Proposed Project Peak Values 115 kV T/L	5.699	75% Decrease	6.591	71% Decrease

All calculations were made at a height of 3 feet all across the ROW.

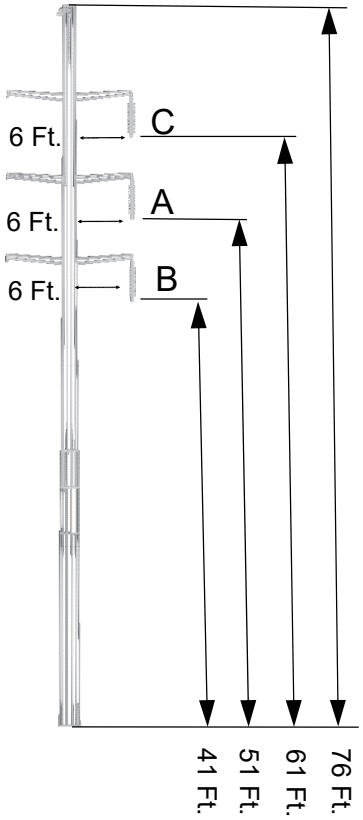
Tower Height and Insulator Length
Height – 68 Ft. Length – 4.5 Ft.

Proposed Construction and Insulator Length
Height – 76 Ft. Length – 4 Ft.

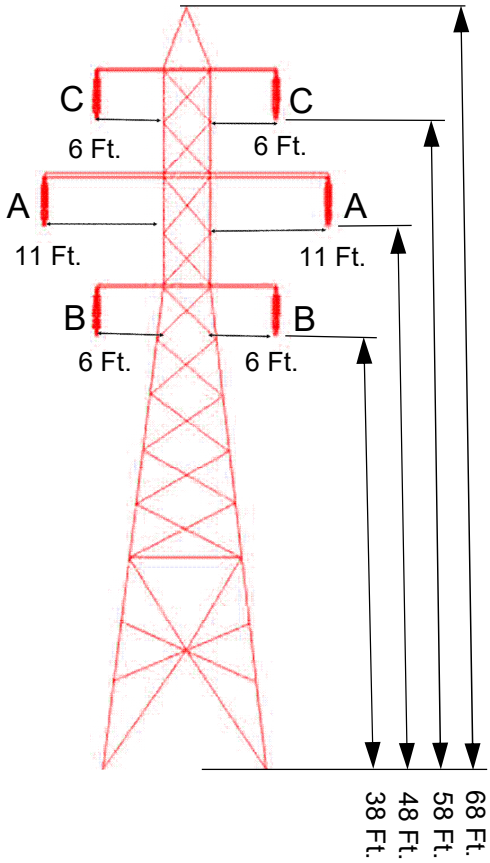
The residential area is to the right as viewed in this graph.

[68] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 87 – Tower and Insulator Dimensions and Phasing



Proposed:
Single Circuit – Monopole
Figure not to Scale

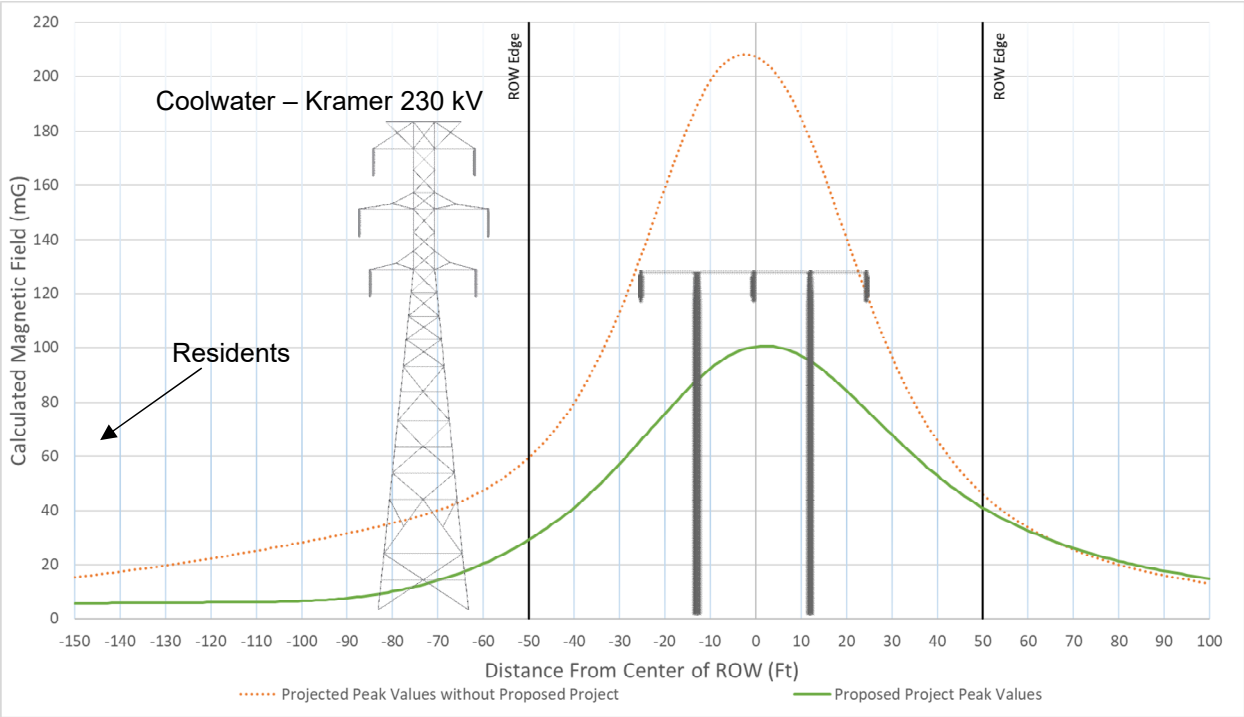


Existing:
Single Circuit – Lattice Tower
Figure not to Scale

Segment 3N, 2272 (Str. 1547460E_1547459E) – 2274 (W1546397E_E1546398E)

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

Figure 88 – Typical Magnetic Field Levels for Segment 3N Kramer Substation – Coolwater Substation, Str. 1547460E_1547459E – 1546399E_1546400E at 950 Amps



Assuming Drake ACSR conductor, Top-Bottom phasing 0°,120°,240°-0°,120°,240°, and 400 Amps for parallel line.
Graph is extended to show the influence of the parallel line.

Table 51 – Comparison of Magnetic Fields at Edge of ROW for Segment 3N, Str. 1547460E_1547459E – 1546399E_1546400E

Design Options	Left Edge (mG)	% Change[69]	Right Edge (mG)	% Change[69]
Projected Peak Values without Proposed Project 115 kV T/L	59.417	N/A	47.67	N/A
Proposed Project Peak Values 115 kV T/L	29.053	51% Decrease	42.177	12% Decrease

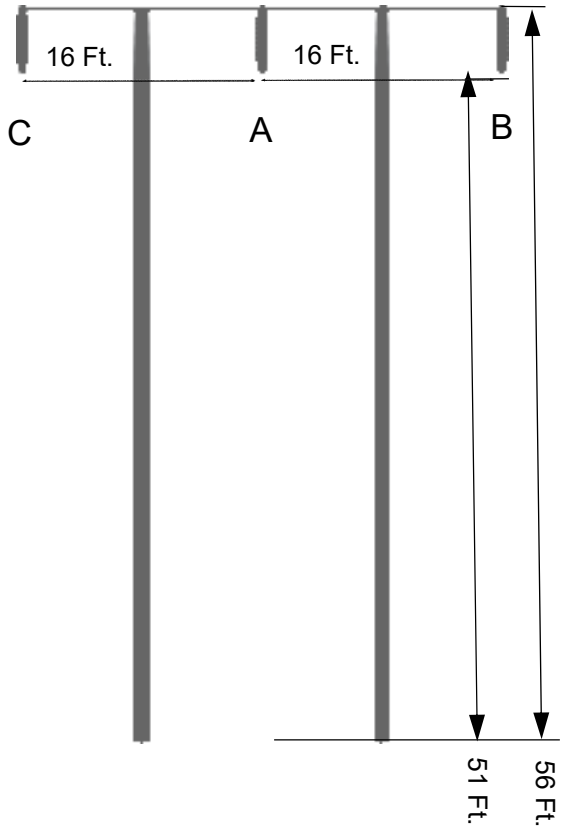
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 56 Ft. Length – 4.5 Ft.

The residential area is to the left as viewed in this graph.

[69] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 89 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 1, 3192 (Str. NA560118AE_SA560118BE) – 3193 (NA560117AE_SA560117BE)

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

Figure 90 – Typical Magnetic Field Levels for Segment 3S Section 1 Kramer Substation – Tortilla Substation, Str. NA560118AE_SA560118BE – NA560117AE_SA560117BE at 975 Amps

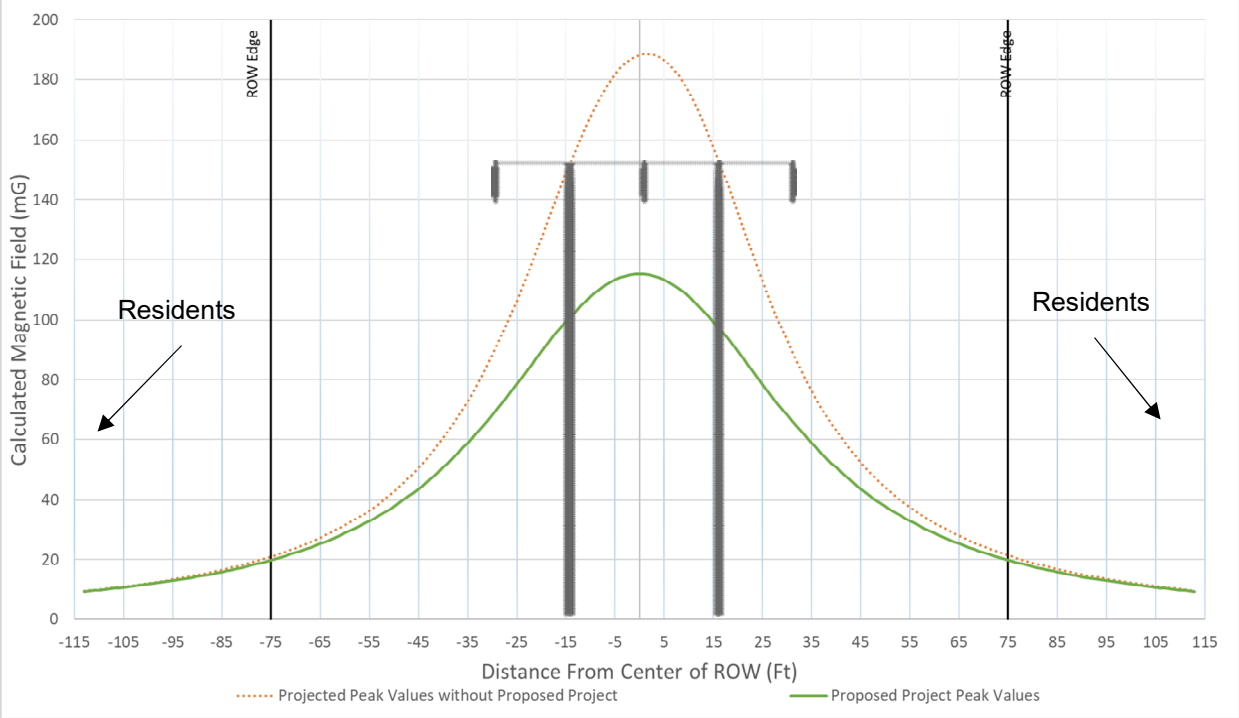


Table 52 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 1 Str. NA560118AE_SA560118BE – NA560117AE_SA560117BE

Design Options	Left Edge (mG)	% Change[70]	Right Edge (mG)	% Change[70]
Projected Peak Values without Proposed Project 115 kV T/L	21.063	N/A	21.989	N/A
Proposed Project Peak Values 115 kV T/L	19.907	5% Decrease	20.361	7% Decrease

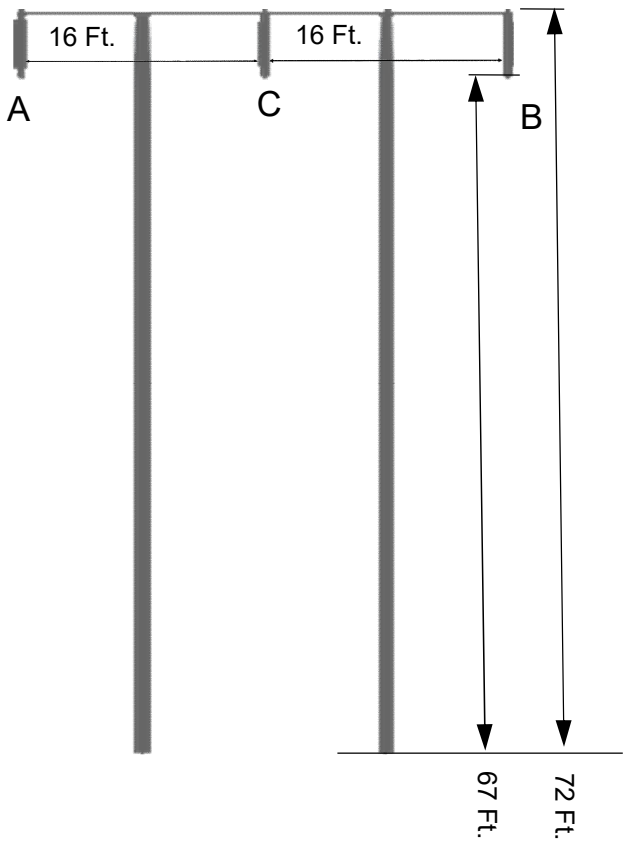
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 72 Ft. Length – 4.5 Ft.

The residential areas are on both sides as viewed in this graph.

[70] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 91 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 3S Section 1, Str. 3217 (NA560194AE_SA560194BE) – 3218 (NA560193AE_SA560193BE)

(Structure numbers are between brackets while the four digit numbers are the construction numbers)

Figure 92 – Typical Magnetic Field Levels for Segment 3S Section 1 Kramer Substation – Tortilla Substation, Str. NA560194AE_SA560194BE – NA560193AE_SA560193BE at 975 Amps

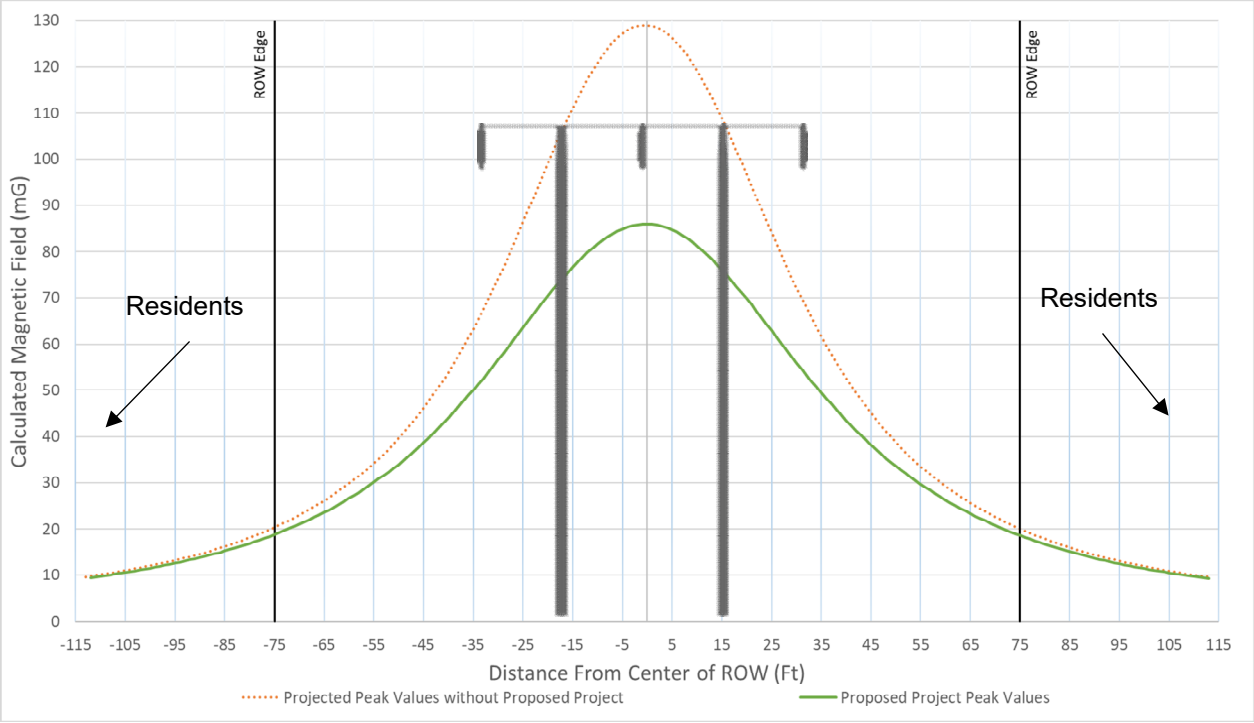


Table 53 – Comparison of Magnetic Fields at Edge of ROW for Segment 3S Section 1 Str. NA560194AE_SA560194BE– NA560193AE_SA560193BE

Design Options	Left Edge (mG)	% Change[71]	Right Edge (mG)	% Change[71]
Projected Peak Values without Proposed Project 115 kV T/L	20.409	N/A	20.56	N/A
Proposed Project Peak Values 115 kV T/L	18.866	8% Decrease	19.077	7% Decrease

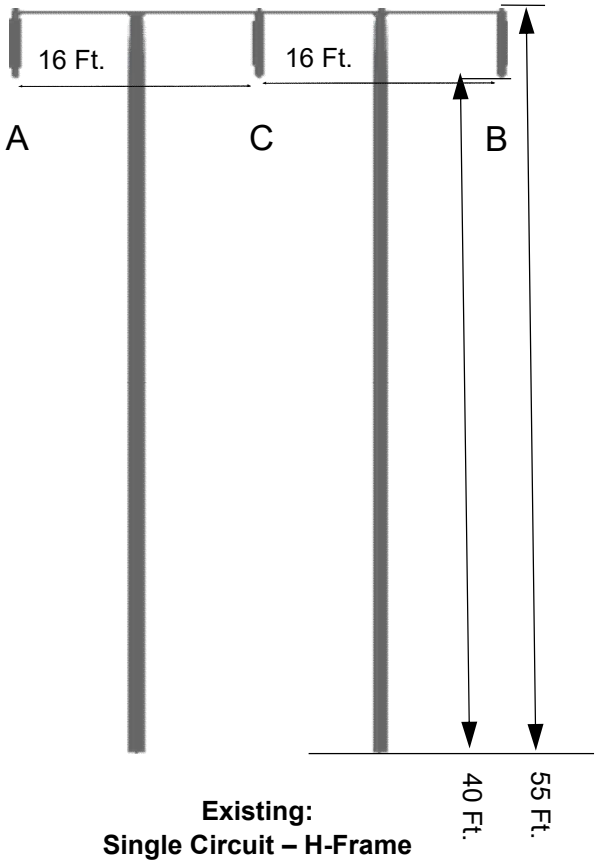
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 55 Ft. Length – 4.5 Ft.

The residential areas are on both sides as viewed in this graph.

[71] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

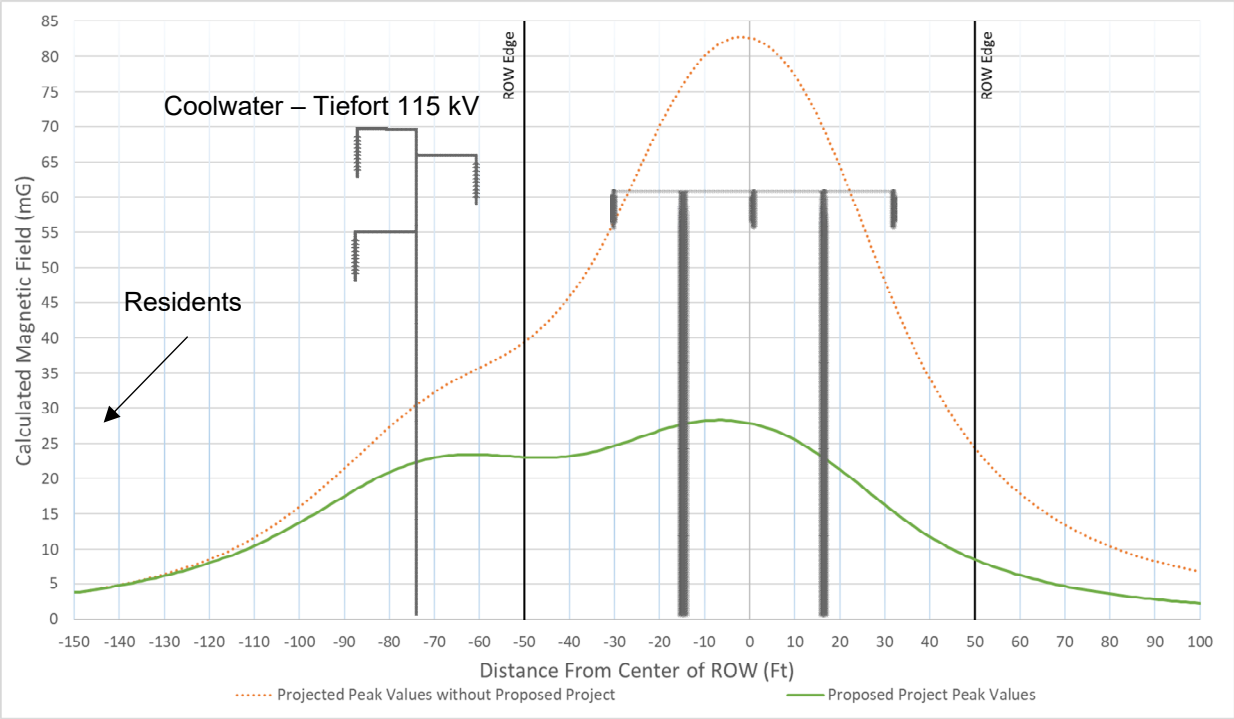
Figure 93 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 1, Str. 128571 – 128572

Figure 94 – Typical Magnetic Field Levels for Segment 4 Section 1 Coolwater Substation – Structure 128574, Str. 128571 – 128572 at 165 Amps



Assuming Partridge ACSR conductor, Top-Bottom phasing 0°,120°,240° and 400 Amps for parallel line. Graph is extended to show the influence of the parallel line.

Table 54 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 1, Str. 128571 – 128572

Design Options	Left Edge (mG)	% Change[72]	Right Edge (mG)	% Change[72]
Projected Peak Values without Proposed Project 115 kV T/L	39.457	N/A	25.233	N/A
Proposed Project Peak Values 115 kV T/L	23.098	41% Decrease	8.789	65% Decrease

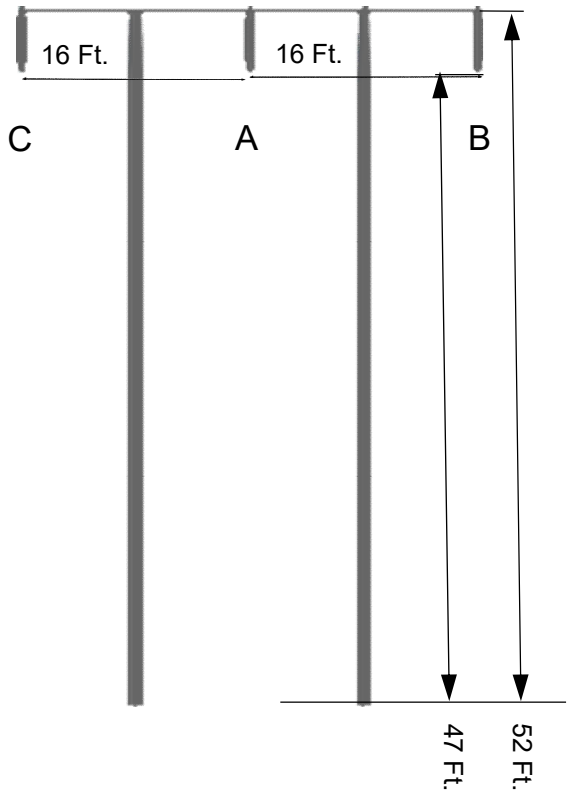
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

The residential area is to the left as viewed in this graph.

[72] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 95 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Segment 4 Section 2, Str. 128608 – 128609

Figure 96 – Typical Magnetic Field Levels for Segment 4 Section 2 Structure 128595 – Structure 128638, Str. 128608 – 128609 at 165 Amps

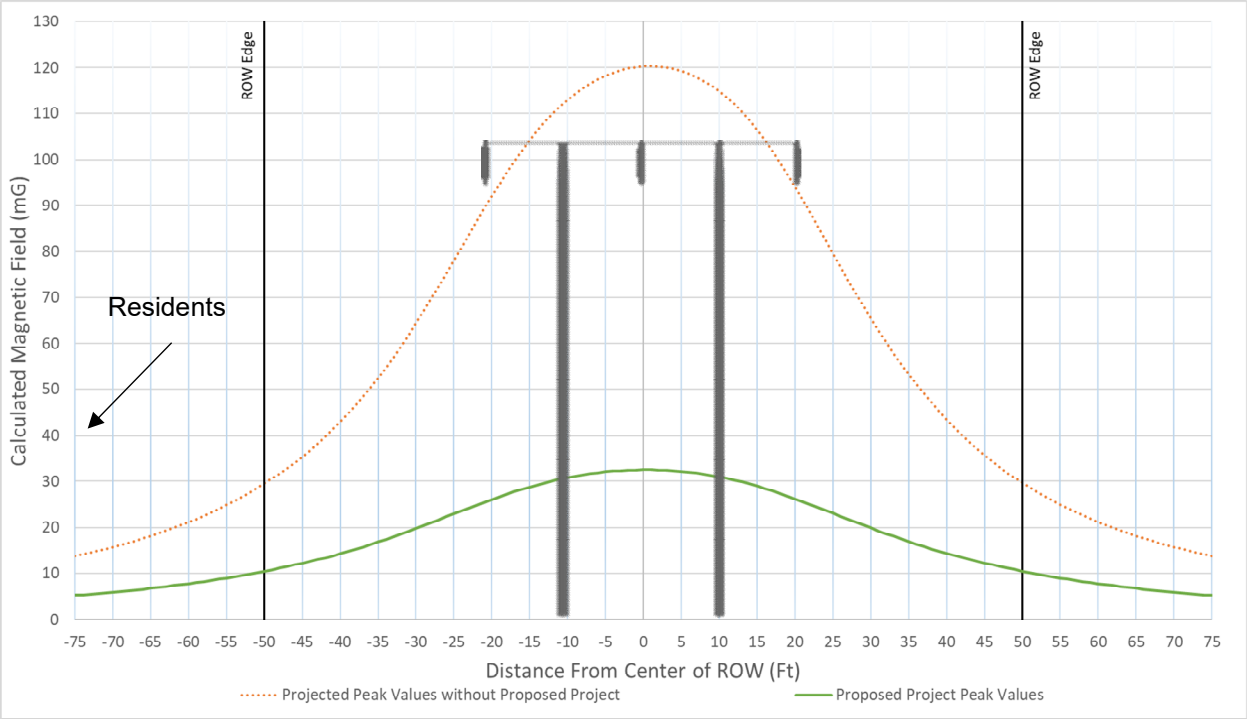


Table 55 – Comparison of Magnetic Fields at Edge of ROW for Segment 4 Section 2, Str. 128608 – 128609

Design Options	Left Edge (mG)	% Change[73]	Right Edge (mG)	% Change[73]
Projected Peak Values without Proposed Project 115 kV T/L	29.556	N/A	30.778	N/A
Proposed Project Peak Values 115 kV T/L	10.442	65% Decrease	10.784	65% Decrease

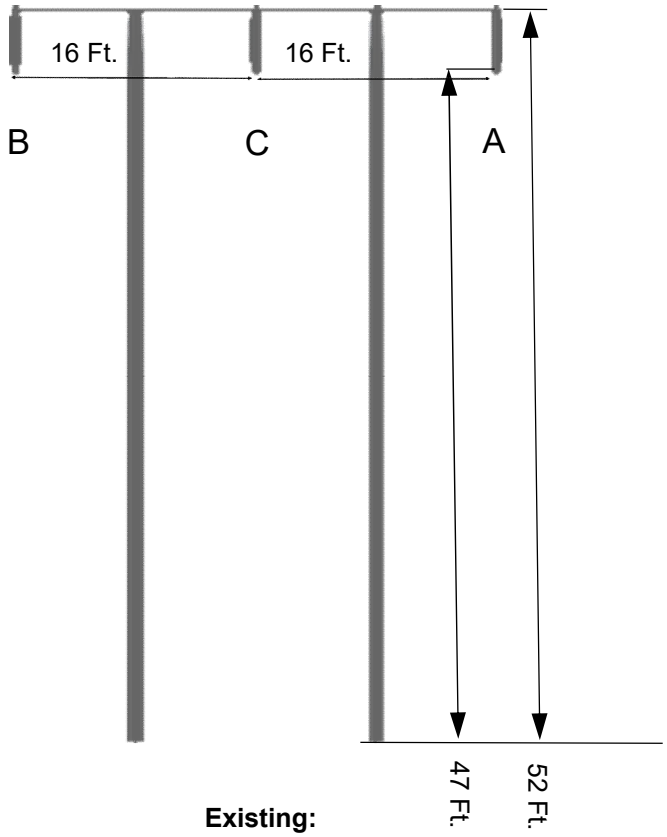
All calculations were made at a height of 3 feet all across the ROW.

Tower Height and Insulator Length
Height – 52 Ft. Length – 4.5 Ft.

The residential area is to the left as viewed in this graph.

[73] All data in Percent Change column is compared to the Projected Peak Values without the IC Project

Figure 97 – Tower and Insulator Dimensions and Phasing



Existing:
Single Circuit – H-Frame
Figure not to Scale

Appendix 3

AIR QUALITY

This appendix contains the following information:

Attachment 1. Air Quality/Greenhouse Gas Emissions Summary
Attachment 2. Segment Specific CalEEMod Output Summaries

Attachment 1

AIR QUALITY AND GREENHOUSE GAS EMISSIONS SUMMARY

Air Pollutant Emissions

GREAT BASIN (Proposed)	Maximum Annual Rate (Tons/Year)					
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Maximum Annual Rate	7.54	2.86	14.86	1.79	20.59	0.08
	Daily Average during Maximum Year (Pounds/Day)					
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Daily Average Rate, in Max Year	**48.31**	**18.34**	**95.27**	**11.46**	**131.97**	**0.49**

KERN COUNTY	Maximum Annual Rate (Tons/Year)					
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Maximum Annual Rate	1.85	0.71	4.36	0.49	5.52	0.02
	Daily Average during Maximum Year (Pounds/Day)					
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Daily Average Rate, in Max Year	**11.87**	**4.57**	**27.93**	**3.14**	**35.36**	**0.10**

MOJAVE DESERT	Maximum Annual Rate (Tons/Year)					
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Maximum Annual Rate	2.60	2.04	6.87	0.82	10.46	0.03
	Daily Average during Maximum Year (Pounds/Day)					
	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
Daily Average Rate, in Max Year	**16.69**	**13.05**	**44.06**	**5.23**	**67.05**	**0.21**

GHG Emissions	MT CO2e
Total, Duration of Construction	18,287
30 year Amortized	610
Gallons of diesel fuel	1,792,843
Percent of daily CA diesel fuel usage	0.15

Total Maximum Annual Proposed Project Emissions by Air Basin

	NOx	ROG	PM10 Total	PM2.5 Total	CO	SO2
	tons/year					
Great Basin	7.54	2.86	14.9	1.79	21	0.077
Kern County	1.85	0.71	4.36	0.5	5.52	0.015
Mojave Desert	2.60	2.04	6.87	0.8	10.5	0.033

Attachment 2

SEGMENT SPECIFIC CALEEMOD OUTPUT SUMMARIES

Total Maximum Annual Proposed Project Emissions by Alignment Segment

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total	CO2e
Segment	YEAR	tons/year						
1A	2025	0.58	1.70	5.41	0.02	3.84	0.45	1359
	2026	0.05	0.37	0.94	0.00	1.29	0.14	286
	2027	0.00	0.04	0.16	0.00	0.24	0.03	43
1B Proposed	2025	0.38	1.13	3.57	0.01	2.68	0.31	907
	2026	0.05	0.33	0.79	0.00	0.52	0.06	214
	2027	0.00	0.01	0.05	0.00	0.04	0.00	11
1B Crater	2025	0.51	1.21	4.06	0.01	2.96	0.35	1014
	2026	0.02	0.12	0.41	0.00	0.84	0.09	140
	2027	0.01	0.05	0.22	0.00	0.32	0.04	60
1C Proposed	2025	0.62	1.89	4.83	0.02	3.53	0.42	1302
	2026	0.07	0.55	2.33	0.01	1.41	0.16	529
	2027	0.00	0.01	0.08	0.00	0.06	0.01	15
1C Manzanar	2025	1.05	2.05	6.41	0.02	3.50	0.44	1575
	2026	0.04	0.34	1.90	0.00	1.31	0.14	404
	2027	0.00	0.01	0.05	0.00	0.04	0.00	11
1D	2025	0.74	1.57	3.71	0.02	2.05	0.27	1006
	2026	0.12	0.94	4.61	0.01	2.70	0.30	998
	2027	0.00	0.02	0.14	0.00	0.04	0.01	26
1E Proposed	2025	0.37	0.84	1.83	0.01	1.53	0.19	541
	2026	0.09	0.67	2.86	0.01	2.29	0.26	686
	2027	0.01	0.06	0.23	0.00	0.39	0.04	68
1E Fossil Falls	2025	0.53	0.96	2.36	0.01	1.74	0.22	658
	2026	0.07	0.51	2.54	0.01	2.12	0.24	595
	2027	0.01	0.07	0.29	0.00	0.44	0.05	82
1F	2025	0.17	1.02	1.92	0.01	1.77	0.21	607
	2026	0.40	0.78	3.15	0.01	3.11	0.36	809
	2027	0.03	0.24	1.07	0.00	1.24	0.13	264
2	2025	0.38	2.34	2.53	0.02	3.19	0.39	1044
	2026	0.89	0.88	4.27	0.01	2.76	0.34	1014
	2027	0.15	1.15	6.84	0.01	4.69	0.52	1472
3N	2025	0.04	0.27	0.74	0.00	0.99	0.11	221
	2026	0.80	0.73	3.46	0.01	2.24	0.27	832
	2027	0.04	0.28	1.21	0.00	1.39	0.15	314
3S	2025	0.05	0.28	0.84	0.00	0.91	0.10	234
	2026	0.81	0.77	3.77	0.01	2.42	0.29	897
	2027	0.03	0.23	1.22	0.00	1.37	0.15	309

Appendix 4

BIOLOGICAL RESOURCES

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PROPOSED PROJECT

Table 4-1. Special-status Species Potential for Occurrence

a. Plants

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Sensitive Plants – Observed in Survey Area							
Aliciella triodon	coyote gilia	Fed: None State: None CRPR: 2B.2 SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	Two observations in 2017-2018 of 800 individuals found in the Owens Valley along the Project alignment Segment 1: one near the southern end of Owens Lake and the other between Independence and Lone Pine in Inyo County, California. 14 observations in 2023 of over 37,000 individuals in Segment 1 in five general locations: northwest of Klondike Lake and north of Big Pine; east of Twin Lakes; between Manzanar and Lone Pine; between Lubken Canyon road and the northern edge of Owens Lake; and south of Owens Lake near Highway 190. 1 observation of over 1,000 individuals in material yard 'CH SA 1-16 Hwy-190' near Segment 1 south of Owens Lake adjacent to Highway 190. 16 observations in 2023 of 1,353 individuals found in 2 locations in the Crater Mountain Realignment Alternative alignment: on the north and south sides of Tinemaha Creek south of Big Pine; and north of Blackrock in the vicinity of the Los Angeles aqueduct. A 1985 CCH/CNDDB record was recorded within five miles of the Project alignment near Independence. A 2008 CCH record is within five miles of Segment 1 along the Project alignment and Crater Mountain Realignment Alternative alignment northwest of Big Pine. A 2011 CCH/CNDDB record and 2017 CCH record are within one mile of the Manzanar Realignment Alternative alignment east of Independence. Occurs in greasewood scrub and other Great Basin scrub vegetation types and pinyon-juniper woodland communities, in soils that are sometimes sandy, at elevations ranging from 4,000 to 5,600 feet above mean sea level (amsl). Likely to occur in suitable habitat such as Greasewood Scrub along the Project alignment Segment 1, Crater Mountain Realignment Alternative and Manzanar Realignment Alternative alignments, between Independence and Lone Pine and near the southern end of Owens Lake.
Allium atrorubens var. *cristatum*	crested onion, Inyo onion	Fed: None State: None CRPR: 4.3 SR: S4	Present	Not likely to occur	Not likely to occur	Not likely to occur	Five observations in 2017-2018 of 190 individuals found southwest of Bishop and north of Big Pine. Two historic CCH/CNDDB records (1927, 1969) within three miles of Project alignment Segment 1: one on the west side of Bishop, the other west of Big Pine. One recent CCH record (2011) within three miles of Segment 1 north northwest of Lone Pine. The species occurs on rocky or sandy substrate within Great Basin scrub and pinyon-juniper woodland communities at elevations ranging from 4,000 to 7,000 feet (1,200 to 2,100 m) amsl. Likely to occur in suitable habitat along Project alignment Segment 1 between Bishop and Lone Pine.

[1] Potential to Occur:
Present: Species (or sign) was observed in the Survey Area during recent surveys, or a population has been acknowledged by CDFW, USFWS, or local experts
High: Habitat (including soils) for the species occurs in the Survey Area and a known occurrence occurs within five miles within the past 20 years; however, the species was not detected during recent surveys.
Moderate: Habitat (including soils) for the species occurs the Survey Area and a known regional record has been documented, but not within five miles of the Project site or within the past 20 years; or there is a documented occurrence within five miles of the Survey Area within the past 20 years and marginal or limited habitat occurs on site; or the species' range includes the geographic area and suitable habitat exists in the Survey Area.
Low: Limited habitat for the species occurs in the Survey Area and the species' range includes the geographic area, but there are no documented occurrences within five miles of the Survey Area within the past 20 years.
Not likely to occur: Species or signs not observed in the Survey Area, the Survey Area is outside of the species' known range, and conditions in the Survey Area are not suitable for occurrence.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Androstephium breviflorum	pink funnel lily	Fed: None State: None CRPR: 2B.2 SR: S2?	Low	Present	Low	Low	Observations in one location along Project alignment Segment 2 north of Kramer Junction in Creosote Bush Scrub and Creosote Bush – White Bursage Scrub. Other occurrences within 5 miles include a 2008 CCH/CNDDB record located near the I-15 Afton Road exit, and a 1998 CCH/CNDDB record located near the I-15 Basin Road exit. Occurs in creosote bush scrub communities, including within bajadas, typically in sandy soil within the Mojave and Sonoran deserts at elevations ranging from 330 to 5,300 feet (100 to 1,600 m) amsl. Likely to occur in lowland areas in well-drained soils (sandy or gravelly) in Creosote Bush Scrub or other Mojavean desert scrub in one small area north of Kramer Junction; in the Mojave Valley between the Cady Mountains to the west and the Soda Mountains to the east and. Low potential to occur in suitable habitat along Segments 1, 3N, and 3S.
Astragalus geyeri var. *geyeri*	Geyer's milk-vetch	Fed: None State: None CRPR: 2B.2 SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	Two observations in 2017-2018 of 11 individuals were found along Project alignment Segment 1 south of Big Pine and east of Twin Lakes. 62 individuals observed in 2023 in one general location in the Crater Mountain Realignment Alternative alignment south of Aberdeen and north of Twin Lakes in Inyo County; located outside of a 1973 CCH/CNDDB observation that overlaps the Crater Mountain Realignment Alternative and Manzanar Realignment Alternative alignments near Blackrock. Observed at a reference site in 2023 south of Aberdeen and north of Twin Lakes in Inyo County, and less than 0.5 miles northwest of the Manzanar Realignment Alternative alignment. Occurs on sandy soil in chenopod scrub and Great Basin scrub at elevations ranging from 3,900 feet to 6,500 feet amsl. Likely to occur along Segment 1, Crater Lake Alternative, and Manzanar Realignment Alternative alignments within Greasewood Scrub east of Twin Lakes and Shadscale Scrub east of the Alabama Hills and north of Lone Pine.
Calochortus excavatus	Inyo County star-tulip	Fed: None State: None CRPR: 1B.1 BLM: S SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	Two observations in 2017-2018 of 80 individuals found along Project alignment Segment 1 near Keough Hot Springs and near Manzanar between US Highway 395 and the Owens River. 5 observations in 2023 of approximately 691 individuals at reference sites near Segment 1 in the Owens Valley in two locations: northwest of Klondike Lake and southeast of Manzanar between US Highway 395 and the Owens River. Several recent CCH/CNDDB records (2003, 2005) overlap Segment 1 between the Owens River and US Highway 395 southeast of Manzanar. Multiple historic to recent CCH/CNDDB records (1897, 1993 and more recent) within 5 miles of Segment 1 throughout the Owens Valley. Occurs in alkaline and moist soils in meadows and seeps and in chenopod scrub at elevations ranging from 4,300 to 6,600 feet amsl. Likely to occur along the Project alignment only in discrete alkaline marshes and moist habitat between Keough Hot Springs and Lone Pine.
Chorizanthe spinosa	Mojave spineflower	Fed: None State: None CRPR: 4.2 SR: S4	Not likely to occur	Present	Present	Present	23 observations in 2017-2018 of 7,915 individuals observed between Barstow and Kramer Junction along Project alignment Segments 3N and 3S; and also along Segment 2 north of Kramer Junction to the junction of Rosewood Boulevard with Highway 395. Numerous CCH/unprocessed CNDDB records near the alignment are located between Barstow and Edwards Air Force Base. Occurs in creosote bush and chenopod scrub communities sometimes on alkaline soils at elevations ranging from sea level to 4,300 feet (1,300 m) amsl. Likely to occur in suitable habitat along Segments 2, 3N, and 3S.
Cymopterus deserticola	desert cymopterus	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	High	Present	Present	Seven observations in 2017-2018 each with one individual found along Project alignment Segment 3N west of Barstow. Three relatively recent CNDDB records (1991, 1998, 2006) overlap Segment 3N in the same area where survey observations were made. An historic 1987 CNDDB record is within 2 miles Segment 3S the Kramer Hills.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in sandy places within Mojave desert scrub and Joshua tree woodland vegetation types at elevations ranging from 2,300 feet (700 m) to 5,200 feet (1,595 m) amsl. Likely to occur along Segments 3N and 3S in suitable sandy soils in shadscale scrub and creosote bush – white bursage scrub between Kramer Junction and Barstow. High potential for occurrence in suitable habitat along Segment 2 between Johannesburg and Kramer Junction.
Cymopterus ripleyi var. *saniculoides*	sanicle cymopterus	Fed: None State: None CRPR: 1B.2 BLM: S SR: S1	Present	Not likely to occur	Not likely to occur	Not likely to occur	Five observations in 2017-2018, each with one individual, concentrated along Project alignment Segment 1 southeast of Grant near Cactus Flats Road at the north end of the Haiwee Reservoir. 6 observations in 2023 of 13 individuals along Segment 1 southeast of Grant near Cactus Flats Road at the north end of the Haiwee Reservoir. One recent CNDDB (2006) record overlaps Segment 1 east of Grant. Several historic CCH/CNDDB (1974-1982) are located within two miles of the Project alignment near the southwestern end of Owens Lake southeast of Grant. Occurs in gravelly, sandy, and carbonate substrate in Joshua tree woodland and Mojavean desert scrub at elevations ranging from 3,300 to 5,300 feet amsl. Likely to occur along Segment 1 only in a 4-mile stretch in suitable gravelly and sandy habitat between Owens Lake and the Haiwee Reservoir.
Diplacus [*Mimulus*] *mohavensis*	Mojave monkeyflower	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	Not likely to occur	Moderate	Present	Five observations in 2017-2018 of 271 individuals along Project alignment Segment 3S just south of Barstow at the base of the northern slopes of Daggett Ridge in Creosote Bush - White Bursage Scrub. One CCH/CNDDB record (1994) overlaps Segment 3S along Barstow Road south of Barstow. Several historic CCH/CNDDB records (1952-1987) occur within 3 miles of Segment 3S. An historic CCH/CNDDB (1938) record is located within 5 miles of Segment 3N in Calico. Occurs on well-drained gravels and sandy substrates, often in or adjacent to washes, in Joshua tree woodland and Mojave desert scrub at elevations ranging from 1,970 to 4,000 feet (600 to 1,200 m) amsl. Likely to occur along Segment 3S between Barstow and Daggett on the lower slopes and drainages of the Mitchel Range, Waterman Hills, Calico Mountains, Daggett Ridge, and Ord Mountains. Moderate potential to occur in suitable habitat along Segment 3S near Yermo.
Eriastrum sparsiflorum	Great Basin eriastrum	Fed: None State: None CRPR: 4.3 SR: S4	Present	Not likely to occur	Not likely to occur	Not likely to occur	One observation in 2017-2018 with approximately one hundred individuals found along Project alignment Segment 1 east of the Owens River 2.5 miles northeast of Aberdeen. Numerous historic and recent CCH records within 5 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments within the Owens Valley. Occurs on sandy decomposed granite within openings in chaparral, cismontane woodland, Great Basin scrub, Joshua tree woodland, creosote bush scrub, and pinyon-juniper woodland at elevations below 6,000 feet (2,000 m) amsl. Likely to occur in suitable habitat along Segment 1 between Bishop and Haiwee.
Eriophyllum mohavense	Barstow woolly sunflower	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	High	Present	High	11 observations in 2017-2018 of 2,891 individuals, and one observation in 2023 of 500 individuals along Segment 3N, east of Kramer Junction. Nine historic to recent CCH and/or CNDDB observations (1988-2015) overlap Segment 3N in the same areas as survey observations. Additional historic to recent CCH/CNDDB occurrences (1937-2011) overlapping Segment 3N and 3S are located in the Waterman Hills, south of Hawes Auxiliary Airport, along Helendale Road, near Lenwood, and southeast of Barstow. Numerous historic to recent CCH and/or CNDDB records (1983-2016) are located within 5 miles of Segment 2 between Fremont and Kramer Junction. Occurs in open chenopod scrub, Mojave desert scrub, and playas at elevations ranging from 1,640 to 2,600 feet (500 to 800 m) amsl. Likely to occur in Shadscale Scrub and other desert scrub vegetation along Segment 2 from Fremont south to Kramer Junction; along Segment 3N from Kramer Junction east to the Waterman Hills; along Segment 3S from Kramer Junction east to Daggett, and near Yermo.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Eschscholzia minutiflora subsp. *twisselmannii*	Red Rock poppy	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	Present	Not likely to occur	Not likely to occur	10 observations in 2017-2018 at eight locations of over 300 individuals, 25 observations in 2023 of 4,698 individuals, along Project alignment Segment 2 in the El Paso and Rand Mountains (between Ridgecrest and Kramer Junction). An historic CNDDB (1991) record overlaps Segment 2 in the Rand Mountains. Recent CCH and/or CNDDB records (2010-2011) records are located within 2 miles of Segment 2 in the El Paso Mountains. Occurs on volcanic and granitic substrates in Mojave desert scrub at elevations ranging from 2,200 to 4,000 feet (680 to 1,230 m) amsl. Likely to occur along the Segment 2 in the El Paso and Rand Mountains on volcanic and granitic substrates.
Goodmania luteola	golden goodmania	Fed: None State: None CRPR: 4.2 SR: S3	Present	Not likely to occur	Low	Not likely to occur	One observation with 300 individuals found along Project alignment Segment 1 north of Big Pine in Inyo County, California. Several historic to recent CCH records (1973-2011) located within 2 miles east of Segment 1 near Klondike Lake north of Big Pine. Occurs in meadows and playas containing clay soils at elevations ranging from 330 feet (70 m) to 7,300 feet (2,200 m) amsl. Likely to occur in suitable habitat along Segment 1 between Keough Hot Springs and Big Pine. Low potential to occur along Segment 3N near Yermo.
Loeflingia squarrosa var. *artemisiarum*	sagebrush loeflingia	Fed: None State: None CRPR: 2B.2 BLM: S SR: S2	Present	Low	Low	Low	One observation in 2017-2018 with 500 individuals, and 3 observations in 2023 of 700 individuals, found along Project alignment Segment 1 south of Keough Hot Springs and northwest of Klondike Lake, east and northeast of Warren Lake. Also observed in 2017-2018 at a reference site on the east side of the Mojave River near Hesperia. Observed in 2023 a reference site in one general location west of Klondike Lake. Historic to recent CCH and/or CNDDB records located within 5 miles of Segment 1 west and southwest of Klondike Lake, including an occurrence from 1998 overlapping Segment 1. One 1977 CNDDB record indicates presence of this species southwest of Kramer Junction on Edwards Air Force Base further than 5 miles from the alignment. Occurs on sandy soils in desert dunes, Great Basin scrub, and Sonoran desert scrub communities at elevations ranging from 2,300 feet to 5,300 feet amsl. Likely to occur along Segment 1 only in suitable sandy, desert dune habitat between Keough Hot Springs and Klondike Lake. Low potential to occur in areas with suitable habitat along Segment 1 within the Owen's Valley, Manzanar Realignment Alternative alignment, and Segments 2, 3N, an 3S in proximity to Kramer Junction. Not likely to occur along the Crater Mountain Realignment Alternative alignment suitable sandy, desert dune habitat is absent.
Menodora spinescens var. *mohavensis*	Mojave menodora	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	Not likely to occur	Present	Present	Nine observations in 2017-2018 of 157 individuals along Project alignment Segment 3N just north of Barstow in the Waterman Hills in Creosote Bush Scrub and along the Segment 3S at the base of the northern slopes of Daggett Ridge in Creosote Bush - White Bursage Scrub; 3 observations in 2023 of 5 individuals in Segment 3S in one location at the base of the northern slopes of Daggett Ridge. Three recent CNDDB records (2011)/historic CCH records (1978) occur within a mile of the alignment, one near Segment 3S at the base of the northern slopes of Daggett Ridge, and two near Segment 3N in the Waterman Hills and along Irwin Road. Occurs on andesite gravel, rocky hillsides, and canyons within Mojave desert scrub at elevations ranging from 2,300 to 6,600 feet (690 to 2,000 m) amsl. Likely to occur along the Segments 3S and 3N in andesite gravels on rocky slopes of the Mitchel Range, Waterman Hills, and Daggett Ridge surrounding Barstow.
Mentzelia torreyi	Torrey's blazing star	Fed: None State: None CRPR: 2B.2 SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	10 observations in 2017-2018 of 213 individuals, and 213 individuals observed in 2023, found along the Crater Mountain Realignment Alternative alignment southeast of Aberdeen, east of Blackrock, and north of Twin Lakes. Observed in 2017-2018 at a reference site in an alkali playa northeast of Calvert Lake in the Owens Valley. Observed in 2023 at a reference site south of Aberdeen and north of Twin Lakes in Inyo County, and less than 0.25 miles northwest of the Manzanar Realignment Alternative alignment. Historic CCH and/or CNDDB observations exist within two miles of the Project alignment east and south of Aberdeen.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in sandy, rocky, alkaline, and volcanic soils in Great Basin scrub, Mojavean desert scrub, and pinyon-juniper woodland at elevations ranging from 3,000 to 6,900 feet amsl. Likely to occur in suitable alkaline shrubland habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments east of Aberdeen and north of Independence.
Mentzelia tridentata	threetooth blazingstar	Fed: None State: None CRPR: 1B.3 SR: S3	High	Present	High	Present	Two observations in 2023: 1 observation of 1 individual in Segment 2 northeast of Rand in the Rand Mountains and 1 observation of 15 individuals in Segment 3S southwest of Barstow at the base of Daggett Ridge. An undated CNDDB record overlaps the southern end of the Fossil Falls Realignment Alternative alignment. One 2006 CNDDB observation recorded within two miles of the Project alignment south of South Haiwee Reservoir, and two older records recorded in the Rose Valley. Observed in 2017-2018 at reference sites near Barstow, Cronese Lake, and Lucerne Valley. Several historic to recent CCH and/or CNDDB records within 5 miles of Segments 3N, 3S in the Barstow to Yermo areas including the Calico Mountains, Newberry Mountains, and Coso Range. One overlapping historic CNDDB record (1946) is located along the Union Pacific Railroad line in Yermo. Occurs in well-drained soils in Mojave desert scrub at elevations ranging from 2,300 to 3,800 feet amsl. Likely to occur in suitable habitat along Segment 1 and Fossil Falls Realignment Alternative alignment south of South Haiwee Reservoir to the north end of Rose Valley, along Segment 3N between Cronese Basin and Calico Mountains area west to Harper Lake, along Segment 3S and between Coolwater and Iron Mountain.
Muilla coronata	crowned muilla	Fed: None State: None CRPR: 4.2 SR: S3	Present	High	High	High	One observation in 2017-2018 of one individual was found along Project alignment Segment 1 southwest of Bishop near Bishop Creek. Historic to recent CCH records located within 5 miles of Segment 1 and Manzanar Realignment Alternative alignment in the Owens Valley around Bishop and Independence and within 5 miles of Segment 2 in the El Paso Mountains. Two historic CCH records overlap or are adjacent to Segment 2 along US Highway 395 north of Kramer Junction between Farmington Road and Powerline Road. Two recent CCH records are within 5 miles of Segments 3N and 3S near Yermo and Daggett. Occurs in desert scrub, Joshua tree woodland, and pinyon-juniper woodland at elevations ranging from 3,300 feet (1,000 m) to 5,300 feet (1,600 m) amsl. Likely to occur in suitable habitat throughout the Project and alternative alignments.
Oryctes nevadensis	Nevada oryctes	Fed: None State: None CRPR: 2B.1 SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	Two observations in 2017-2018 of a total of three individuals, and four observations in 2023 of 18 individuals, found along Project alignment Segment 1 southeast of Blackrock on the alignment near Twin Lakes. 60 observations in 2023 of 1,171 individuals found in four general locations on the Manzanar Realignment Alternative alignment: between Twin Lakes and the Owens River east of Blackrock; south of Kearsarge and Manzanar Reward Road; east of Lone Pine; and southwest of the intersection of highway 136 Owens River crossing. Observed in 2023 at a reference site in the Owens Valley between Bishop and Laws along Highway 6 west of the Owens River. There are several historic CCH and/or CNDDB records (1940-1986) that overlap or are within 0.18 mile of Segment 1 and Crater Mountain Realignment Alternative alignment east of Blackrock north of Twin Lakes. Several historic CNDDB records (1985-1995) either overlap or are within 0.25 mile of Manzanar Realignment Alternative alignment east of Manzanar and Lone Pine. Occurs in sandy soils in chenopod scrub and Mojavean desert scrub at elevations ranging from 4,000 to 5,000 feet amsl. Likely to occur in suitable habitat along the Segment, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignment between the Aberdeen and Lone Pine areas.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Pediomelum castoreum	Beaver Dam breadroot, Indian breadroot	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	Not likely to occur	Present	Moderate	Four observations in 2017-2018 totaling five individuals, and one observation in 2023 of one individual, found along Project alignment Segment 3N between Harper Lake and the Waterman Hills; three of these observations were located in a broad alluvial fan west of the Waterman Hills in Creosote Bush Scrub and one was located further east near the southeast side of Harper Lake in Spinescale Scrub. An undated CNDDB record occurs in a general area east of the Waterman Hills that barely intersects the alignment. Several historic CCH and/or CNDDB records recorded in general areas on the west side of Barstow, Daggett, and Yermo overlap Segments 3N and 3S. Several undated, historic, or recent CCH and/or CNDDB records exist within 5 miles of Segments 3N, 3S between in the Kramer Hills, Waterman Hills, south of Barstow, and near Daggett and Yermo. Occurs in sandy washes and road cuts in Joshua tree woodland and Mojave desert scrub at elevations ranging from 2,000 to 5,000 feet (610 to 1,525 m) amsl. Moderate to high potential to occur along Segments 3N, 3S in sandy washes between Kramer Junction and Yermo.
Phacelia inyoensis	Inyo phacelia	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	Observed in 2017-2018 at a reference site near the Project alignment Segment 1 adjacent to Klondike Lake north of Big Pine. 5 observations in 2023 of over 10,650 individuals along Segment 1 in one location west to northwest of Klondike Lake, north of Big Pine. Observed in 2023 at a reference site east of the Manzanar Realignment Alternative alignment east of Lone Pine in the Alabama Hills. One historic CNDDB overlaps Segment 1 between Warren and Klondike Lakes. Recent CNDDB observations and CCH records exist within a mile of the Project alignment north of Olancha. Recent CNDDB observations and CCH records exist in the Alabama Hills within 7 miles of the Manzanar Realignment Alternative alignment. Occurs in alkaline substrate in meadows and seeps at elevations ranging from 3,700 to 10,500 feet amsl. Likely to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments between Keough Hot Springs and Olancha.
Plagiobothrys parishii	Parish's popcornflower	Fed: None State: None CRPR: 1B.1 BLM: S SR: S1	Present	Not likely to occur	Not likely to occur	Not likely to occur	18 observations in 2017-2018 of 3,169 individuals, and 10 observation in 2023 of 3,378 individuals, found along Project alignment Segment 1 between Keough Hot Springs and Big Pine; near Manzanar north of Lone Pine; and near the southern end of Owens Lake. Observed in 2017-2018 at reference sites southeast of Cartago and north of Big Pine in Inyo County. Several historic to recent CCH and/or CNDDB records located within 5 miles of Segment 1 near Warren and Klondike Lakes, Manzanar, east side of Alabama Hills, Lone Pine, and Cartago. Occurs in moist and alkaline marshes and associated shrublands in wet, alkaline seeps at elevations ranging from 2,500 to 4,500 feet amsl. Likely to occur along Segment 1 Crater Lake Alternative, and Manzanar Realignment Alternative alignments only in discrete alkaline marshes between Keough Hot Springs and Big Pine; near Manzanar, and the southern end of Owens Lake.
Sclerocactus polyancistrus	Mojave fishhook cactus	Fed: None State: None CRPR: 4.2 SR: S3	Not likely to occur	Present	High	Present	Mojave fishhook cactus was observed in one general location along the alignment in Segment 2 on the north-facing slope of the Rand Mountains (north of Garlock Road) in Creosote Bush Scrub. Two observations in 2017-2018 of four individuals found along Project alignment Segment 2 on the north-facing slope of the Rand Mountains located between Kramer Junction and Ridgecrest. 2 observations in 2023 of 2 individuals in material yard 'ICKI SA 3-21 Hinkley Rd' near Segment 3S adjacent to Hinkley Road south of Hinkley. Recent unprocessed CNDDB records within 5 miles of Segment 2 on the east side of the El Paso Mountains and within 5 miles of Segments 3N and 3S in the Kramer Hills and along State Highway 58 west of Hinkley. One historic and one recent CCH records are located within 5 miles of Segments 3N, 3S in the Hinkley and Calico areas. Occurs in Mojave desert scrub with well- drained soils, typically on rocky gravelly mesas, slopes and outcrops at elevations ranging from 2,100 to 7,600 feet (640 to 2,320 m) amsl. Likely to occur in suitable habitat along Segments 2, 3N, and 3S.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Sidalcea covillei	Owens Valley checkerbloom	Fed: None State: SE CRPR: 1B.1 BLM: S SR: S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	One observation in 2017-2018 of 100 individuals, and one observation in 2023 of 250 individuals, found southeast of Independence between the Los Angeles Aqueduct and the Owens River. Two recent CNDDB records overlap Segment 1 east of Independence and Manzanar between the Owens River and Los Angeles Aqueduct. An historic CCH/CNDDB record generally overlaps Segment 1 north of Lone Pine. Several historic to recent CCH and/or CNDDB records within 3 miles of Segment 1 and/or Crater Mountain Realignment Alternative alignment roughly between Wilkerson and Keough Hot Springs, west of Big Pine, west of Fish Springs, north and southeast of Independence, and south of Cartogo at the southwestern end of Owens Lake. Occurs in alkaline marshes, including baltic and mexican rush marsh, and the edges of alkaline meadows and springs in soils that frequently have an alkaline crust at elevations ranging from 3,600 feet to 4,500 feet amsl. Likely to occur only in discrete alkaline marsh habitat in a few locations along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments between Wilkerson and Lone Pine and at the southwestern end of Owens Lake.
Yucca brevifolia	western Joshua tree	Fed: None State: SCT CRPR: None SR: SNR	Present	High	High	High	3,284 individuals observed in 2023 in two general locations along Project alignment Segment 1: northeast of Coso Junction between Highway 395 and Fossil Falls recreational area; and between highway 395 and Haiwee Reservoir. 291 individuals observed in 2023 at one general location on the Fossil Falls Realignment Alternative alignment: from just north of the small cinder cone east of Red Hill Cinder Cone to approximately one mile to the south north of the Fossil Falls area and north of Little Lake. 2 observations in 2023 of 7 individuals in material yard 'CH SA 1-17 Lakeview Rd' near Segment 1 adjacent to Lakeview Road east of Haiwee Reservoir. Species was not specifically surveyed for prior to 2023 surveys. Occurs within Los Angeles, Kern, Riverside, San Bernardino, Inyo, and Mono Counties. Outside of California it occurs in southwestern Utah, western Arizona, southern Nevada. Primarily found on desert flats, gentle alluvial fans, ridges, and gentle to moderate slopes at elevations ranging from 2,400 to 6,000 feet amsl. Joshua tree woodland is the most widespread sensitive natural community present within the Project alignment, documented sparsely in Segment 1 in the vicinity of Haiwee Reservoir. Likely to occur within suitable along Segment 1 west of Haiwee Reservoir; along Fossil Hill Alternative alignment; and Segments 2, 3N, 3S.
Astragalus lentiginosus var. *borreganus*	Borrego milkvetch	Fed: None State: None CRPR: 4.3 SR: S4	Moderate	Low	Moderate	Moderate	Not observed along the Project or alternative alignments during Project surveys. One historic CCH record within 1 mile of Segment 1 along West Inyokern Road east of the Inyokern Substation. Two historic CCH records within 5 miles of Segments 3N and 3S in the Barstow area. Occurs in Mojave desert scrub on sandy flats and semi-stabilized dunes at elevations ranging from 100 to 1,000 feet (30 to 320 m) amsl. Moderate potential to occur in suitable habitat along Segment 1 south of Little Lake, Segments 3N, 3S; low potential to occur along Segment 2.
Astragalus serenoi var. *shockleyi*	naked milkvetch, Shockley's milk- vetch	Fed: None State: None CRPR: 2B.2 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2017-2018 at a reference site in Silver Canyon in the White Mountains in Inyo County in the region of the northern end of Segment 1. A 1957 CCH/CNDDB record was reported 2 miles northwest of the Crater Mountain Realignment Alternative alignment near Monola Spring. A 2015 CNDDB record is based on a photograph taken 3.3 miles east of the northern terminus of the Crater Mountain Realignment Alternative alignment. One 1957 CCH/CNDDB record within 5 miles of the Manzanar Realignment Alternative alignment. Occurs on alkaline and granitic alluvium in Chenopod scrub, Great Basin scrub, and pinyon-juniper woodland at elevations ranging from 3,800 feet to 7,600 feet amsl. Low potential to occur along Segment 1 or the alternative alignments as all known locations occur east of the Owens River and east Project.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Canbya candida	white pygmy-poppy	Fed: None State: None CRPR: 4.2 SR: S3S4	high	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2017-2018 at reference sites west and upslope of Owens Lake in the region of Segment 1. Several historic CCH and/or CNDDB records within 2 miles of Segment 1 and the Fossil Falls Realignment Alternative alignment near Dunmovin, Coso, and Pearsonville. Several historic CCH and/or CNDDB records are found near Segments 2, 3N, 3S around Kramer Junction, Kramer Hills, Lockhart, Hinkley, Barstow, Calico, and Yermo. A 1927 CCH record occurs along Segment 1 west of US Highway 395 north of Kramer Junction. Occurs in sandy places in Joshua tree woodland, Mojave scrub, and pinyon-juniper woodland at elevations ranging from 1,970 to 4,430 feet (600 to 1,350 m) amsl. Moderate potential to occur in suitable habitat along Segment 1 south of Haiwee, Segments 2, 3N, and 3S.
Dedeckera eurekensis	July gold	Fed: None State: Rare CRPR: 1B.3 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2017-2018 at a reference site in the lower portion of Coldwater Canyon in the White Mountains northeast of Bishop in the region of the northern end of Segment 1. Recent CCH observations are located within six miles of the Project alignment east of Bishop. Occurs in carbonate soils in Mojavean desert scrub at elevations ranging from 4,000 to 7,300 feet amsl. Low potential to occur along Segment 1 or alternative alignments, nearest known locations are recorded in the Inyo and White Mountains at higher elevations east of the Project.
Elymus scribneri	Scribner's wheat grass	Fed: None State: None CRPR: 2B.3 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2017-2018 at a reference site in the White Mountains along Silver Canyon Road at approximately 9,500 feet amsl in the region of the northern end of Segment 1. A 1966 CNDDB record (Occurrence #4) is located more than 9 miles west of the Crater Mountain Realignment Alternative alignment along the west-facing slope of Colosseum Mountain in Kings Canyon National Park at 11,250 feet amsl. Occurs in the subalpine to alpine zone above 10,000 feet amsl. No CCH or CNDDB records for this species within 5 miles of the Project. Low potential to occur near the Manzanar Realignment Alternative alignment, as subalpine to alpine habitat for this species is absent and the Project and alternative alignments are below the elevation range for this species.
Eremothera boothii subsp. *intermedia*	desert shredding primrose	Fed: None State: None CRPR: 2B.3 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2017-2018 at reference sites in the region of Segment 1 near Bishop, at the southern end of Chalfant Valley, and in Fish Lake Valley. An undated CNDDB record generally mapped in the Fish Springs area overlaps Segment 1 and the Crater Mountain Realignment Alternative alignment. An historic CCH/CNDDB record is located between Segment 1 and the Crater Mountain Realignment Alternative, east of Aberdeen. One historic CCH is located within 5 miles of Segment 1 in the Inyo Mountains east of Charlies Butte. An historic CCH/CNDDB record north of Fort Independence is within 5 miles of Segment 1. Occurs in gravelly, sandy, and carbonate substrate in Joshua tree woodland and Mojavean desert scrub at elevations ranging from 3,400 to 7,050 feet amsl. Low potential to occur within suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments.
Phacelia parishii	Parish's phacelia	Fed: None State: None CRPR: 1B.1 BLM: S SR: S1	Not likely to occur	Not likely to occur	Moderate	Moderate	Parish's phacelia was not observed during surveys, but it was observed in four locations at the south end of Lucerne Dry Lake; 462 individuals were observed near each other. An 1884 CNDDB record (Occurrence #1) is approximately 1 mile (1.6 kilometers) north of the alignment in Barstow in an area that is now developed. A 1992 record (Occurrence #5) is generally located less than 1,000 feet (305 meters) north of the alignment in Yermo. A 2017 record (Occurrence #4) is located approximately 3.5 miles (5.6 kilometers) northwest of the alignment and northeast of Yermo and southwest of Alvord Mountain (CNDDB 2018, CCH 2018).

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in Mojavean desert scrub and playas in clay or alkaline soils along dry lake margins. Moderate potential to occur in Segment 3N and 3S.
Sarcobatus baileyi	Bailey's greasewood	Fed: None State: None CRPR: 2B.3 SR: S1	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2017-2018 and 2023 at a reference site northeast of Bishop and east of the southern terminus of Fish Slough in the region of Segment 1. No CCH or CNDDB records within 5 miles of the Project or alternative alignments. Occurs in chenopod scrub in alkaline substrate, dry lakes, washes, and roadsides at elevations ranging from 4,920-5,250 feet (1,500-1,600 meters). Not likely to occur along the Project or alternative alignments due to the Project being located below the species' elevation range.
Thelypodium integrifolium subsp. *complanatum*	foxtail thelypodium	Fed: None State: None CRPR: 2B.2 SR: S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2023 in the region of Segment 1 at a reference site near Laws at a spring south of the mouth of Silver Canyon. One historic CCH record located near Blackrock within 5 miles of Segment 1 and Crater Mountain Realignment Alternative alignment. One historic CNDDB record mapped in a general area centered on the Owen's River northeast of Blackrock overlaps Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments. Occurs in moist alkaline or sub-alkaline soils in Great Basin scrub and in meadows and seeps at elevations ranging from 3,600 to 8,200 feet amsl in Inyo, Mono, and Lassen Counties. Low potential to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments near Blackrock.
Trifolium dedeckerae	DeDecker's clover	Fed: None State: None CRPR: 1B.3 BLM: S SR: S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments during Project surveys. Observed in 2023 at reference sites in Wyman Canyon in the White Mountains well north of Segment 1. Several historic to recent CCH and/or CNDDB records located within 5 miles of Segment 1 along Horseshoe Meadow Road west of Bartlett. Occurs in granitic and rocky soil in lower montane coniferous forest, pinyon-juniper forest, subalpine coniferous forest, and upper montane coniferous forest at elevations ranging from 6,900 feet to 11,500 feet amsl. Low potential to occur along the Project, Manzanar Realignment Alternative alignments due to the Project being located well below the species' elevation range.
Aliciella ripleyi	Ripley's aliciella	Fed: None State: None CRPR: 2B.3 SR: S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. There is a CNDDB record close to the alignment near Little Lake from 1931 (Occurrence #18), but its exact collection location is not known and is more likely from the cliffs on the east side of Little Lake. A 1970 unverified CNDDB location (Occurrence #10), was reported approximately 2.8 miles east of the Manzanar Realignment Alternative alignment in the Inyo Mountains at the base of a cliff as well as a 2016 CNDDB location (Occurrence #40) also located east of the alignment in the Inyo Mountains. Occurs in carbonate soils in Mojavean desert scrub at elevations ranging from 200 to 4,600 feet amsl, mostly east of the CH alignment in the Inyo, Panamint, and Funeral Mountains, and adjacent mountain ranges. Low potential to occur along the Project or alternative alignments due to lack of suitable habitat; there are no cliffs or rocky crevices within the CH alignment.
Allium atrorubens var. *atrorubens*	Great Basin onion	Fed: None State: None CRPR: 2B.3 SR: S2	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. There is a recent CCH/CNDDB location within the foothills of the eastern Sierra Nevada southwest of Big Pine within 5 miles of Segment 1 and Crater Mountain Realignment Alternative alignment.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs on rocky or sandy substrate within Great Basin scrub and pinyon juniper woodland communities at elevations ranging from 3,940 to 6,900 feet amsl. Moderate potential to occur along Segment 1 and Crater Mountain Realignment Alternative alignment.
Astragalus hornii var. *hornii*	Horn's milk-vetch	Fed: None State: None CRPR: 1B.1 BLM: S SR: S1	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. There is one 1919 CNDDB record reported less than approximately 1.75 mile west of the Manzanar Realignment Alternative alignment. No other observations of this species have been recorded in the Owens Valley. Occurs in alkaline soils such as lake margins, meadows, seeps, and playas at elevations ranging from 200 to 1,000 feet amsl on the coastal side of the Sierra Nevada in Kern County (San Joaquin Valley), the southern Mojave Desert in and near the Antelope Valley (historic records), and in the City of San Bernardino (historic records). Low potential to occur along the Project or alternative alignments, all confirmed records occur outside of the known range for this species.
Astragalus jaegerianus	Lane Mountain milkvetch	Fed: FE State: None CRPR: 1B.1 SR: S2	Not likely to occur	Not likely to occur	Low	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Only extant population occurs approximately 6 miles north of the Segment 3N, north of Barstow in the Mud Hills, on Lane Mountain and surrounding Tiefort Mountains, east to the Fort Irwin area. Designated Critical Habitat is within 5 miles of the alignment north of Barstow-Yermo area. Occurs in Joshua tree woodland and Mojavean desert scrub in granitic sands and gravels from 3,000 to 4,000 feet amsl in Mud Hills (Coolgardie Mesa), on Lane Mountain and surrounding Tiefort Mountains, east to the Fort Irwin area more than 10 miles north of Barstow. Low potential to occur along the Project or alternative alignments due to lack of the combined attributes of substrate and elevation. It has never been reported in any location within 1 mile (1.6 kilometers) of the alignment and habitat models also indicate a lack of habitat within the alignment (DRECP Data Basin 2018).
Astragalus platytropis	broad-keeled milk-vetch	Fed: None State: None CRPR: 2B.2 SR: S1	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. No CCH or CNDDB records within 5 miles of the Project or alternative alignments. Occurs on rocky substrates in alpine, subalpine, and pinyon-juniper habitats at elevations ranging from 7,700 - 11,650 feet. Low potential to occur along the Project and Crater Mountain Realignment Alternative alignment due to the Project being located below the species' elevation range.
Atriplex argentea var. *hillmanii*	Hillman's silverscale	Fed: None State: None CRPR: 2B.2 SR: S2	High	Not likely to occur	Moderate	Moderate	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One 1973 CCH/CNDDB record is located in the Owens Valley east of Twin Lakes and overlaps Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments. One 1985 CCH record occurs along the Manzanar Realignment Alternative alignment in the Kearsarge area east of Independence. One historic CCH record within 5 miles of Segment 3N near Lockhart, another between Segments 3N and 3S north of Barstow. Occurs on alkaline soils in chenopod scrub, Great Basin scrub, and pinyon-juniper woodland at elevations ranging from 2,900 to 5,600 feet amsl. Likely to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments between Fish Springs and Owens Lake; and moderate potential to occur along Segments 3N and 3S near Barstow.
Atriplex gardneri var. *falcata*	falcate saltbush	Fed: None State: None CRPR: 2B.2 SR: S2S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. The 1974 CNDDB record was documented approximately 4 miles (6.4 kilometers) east of Segment 1, east of Keough Hot Springs.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in Chenopod scrub and Great Basin scrub, often in alkaline soils, at elevations ranging from 4,000 to 5,600 feet amsl on east side of Sierra Nevada in Lassen and Plumas Counties. Not likely to occur as the Project and alternative alignments are outside of the current species' range.
Azolla microphylla	Mexican mosquito fern	Fed: None State: None CRPR: 4.2 SR: S4	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record located along Segment 1 at Mazourka Canyon Road between Independence and the Los Angeles Aqueduct. Two historic CCH records located within 2 miles of Segment 1 and Manzanar Realignment Alternative alignment, near Kearsarge and east of Manzanar. One historic CCH record within 2 miles west of Segment 1 south of Manzanar. Occurs in ponds and slow water features at elevations under 1,200 meters amsl. Low potential to occur in suitable habitat along Segment 1 and Manzanar Realignment Alternative alignment.
Blepharidachne kingii	King's eyelash grass	Fed: None State: None CRPR: 2B.3 SR: S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH/CNDDB record within 5 miles of Segment 1 near Monola. Occurs in granitic and gravelly soils in Joshua tree woodland and pinyon-juniper woodland at elevations ranging from 3,000 to 7,100 feet amsl in desert mountain ranges to the east of the Owens Valley. Low potential to occur along Segment 1 near Big Pine.
Boechera dispar	pinyon rockcress	Fed: None State: None CRPR: 2B.3 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH/CNDDB record generally mapped near Bishop within 5 miles of Segment 1. One historic CCH/CNDDB record within 2 miles of Segment 1 west of Big Pine. Occurs in granitic and gravelly soils in Joshua tree woodland, creosote bush scrub, and pinyon-juniper woodland at elevations ranging from 4,000 to 8,200 feet amsl. The habitat for pinyon rockcress is exclusively on slopes of mountains and adjacent foothills generally where Mojavean scrub transitions to pinyon-juniper. Low potential to occur along the Project or alternative alignments due to lack of suitable habitat.
Camissonia kernensis subsp. *kernensis*	Kern County evening-primrose	Fed: None State: None CRPR: 4.3 SR: S3	Moderate	Moderate	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CCH records within 5 miles of Segment 2 located west of US Highway 395 near Bradys. One historic CCH record within 5 miles of Segment 2 in the El Paso Mountains. Occurs on sandy slopes and flats, generally in sagebrush scrub or Joshua-tree woodland at elevations ranging from 2,590-6,990 feet (790-2,130 meters) amsl. Low potential to occur in suitable habitat along Segment 1 south of Little Lake and Segment 2 in the El Paso Mountains.
Clarkia xantiana subsp. *parviflora*	Kern Canyon clarkia	Fed: None State: None CRPR: 4.2 SR: S3?	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CCH/CNDDB records located within 5 miles of Segment 1 along the foot of the eastern Sierra Nevada foothills southwest of Olancha. One historic CNDDB record within 3 miles of Segment 1 located along the foot of the eastern Sierra Nevada foothills west of Coso Junction. Occurs on dry slopes in chaparral, cismontane woodland, Great Basin scrub, and valley and foothill grassland at elevations ranging from 2,295-11,875 feet (700-3,620 meters) amsl. Low potential to occur in suitable habitat along Segment 1 between Olancha and Little Lake.
Cleomella brevipes	short-pedicelled cleomella	Fed: None State: None CRPR: 4.2 SR: S3	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CCH records throughout the Owens Valley and within 5 miles of Segment 1, Crater Mountain Realignment Alternative between Keough Hot Springs and Grant.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in alkaline marshes and wet, salt-encrusted soil around thermal springs at elevations ranging from 1,295-7,200 feet (395-2,195 meters) amsl. Likely to occur within suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments.
Crepis runcinata	fiddleleaf hawksbeard	Fed: None State: None CRPR: 2B.2 SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CNDDB records within 5 miles of Segment 1 in Bishop and Wilkerson. Occurs in moist locations, in alkaline soils, and in Mojavean desert scrub and pinyon and juniper woodland at elevations ranging from 3,900 to 10,200 feet amsl, mostly to the north of Bishop and in Deep Springs Valley. Low potential to occur in suitable habitat along Segment 1 north of Big Pine.
Cryptantha clokeyi	Clokey's cryptantha	Fed: None State: None CRPR: 1B.2 SR: S3	Not likely to occur	High	Moderate	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One recent CNDDB record within 3 miles west of Segment 2 on the south side of the Rand Mountains. One historic CCH record within 3 miles of Segment 3N in the Waterman Hills north of Barstow. Occurs in Mojavean desert scrub habitat at elevations of 2,400 to 4,500 amsl in the Mojave Desert. Likely potential to occur in suitable habitat along Segment 2 and moderate potential to occur along Segment 3N.
Cryptantha glomeriflora	clustered-flower cryptantha	Fed: None State: None CRPR: 4.3 SR: S4	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record located in the eastern Sierra Nevada foothills within 4 miles of Segment 1 southwest of Bartlett. Occurs on gravelly slopes and in dry meadows and snowmelt creekbeds, in Great Basin scrub, subalpine and upper montane coniferous forest at elevations ranging from 5,905-12,305 feet (1,800-3,750 meters) amsl. Low potential to occur along the Project or alternative alignments due to the Project being located below the species' elevation range.
Deinandra mohavensis	Mojave tarplant	Fed: None State: SE CRPR: 1B.3 BLM: S SR: S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH and/or CNDDB records within 5 to 6 miles of Segment 1 located on the eastern Sierra Nevada foothills west of Bradys. Occurs in moist sites and openings in chaparral, coastal scrub, and riparian scrub at elevations ranging from 2,100-5,250 feet (640-1,600 meters) amsl. Low potential to occur in suitable habitat along Segment 1 south of Little Lake.
Diplacus parryi	Parry's monkeyflower	Fed: None State: None CRPR: 2B.3 SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH/CNDDB record located within 3 miles of the Manzanar Realignment Alternative alignment in the Inyo Mountains foothills east of Kearsarge. Occurs on steep hillsides and along washes in Great Basin scrub at elevations ranging from 3,935-8,530 feet (1,200-2,600 meters) amsl in the Inyo and White Mountains. Not likely to occur as the Project and alternative alignments are outside the current geographic range of the species.
Enceliopsis nudicaulis var. *nudicaulis*	naked-stemmed daisy	Fed: None State: None CRPR: 4.3 SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record within 5 miles of Segment 1 in the Inyo Mountains southeast of Tinemana Reservoir. Occurs on carbonate or volcanic substrates in Great Basin scrub and Mojavean desert scrub at elevations ranging from 3,115-6,560 feet (950-2,000 meters) amsl. Moderate potential to occur in suitable habitat in Segment 1.
Eremothera boothii subsp. *alyssoides*	Pine Creek evening-primrose	Fed: None State: None CRPR: 4.3 SR: S4	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CCH records are present within 5 miles, a few within 1 mile, but their locations and/or species identification has been unverified.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs on sandy slopes and flats in Great Basin scrub at elevations ranging from 1,970-5,580 feet (600-1,700 meters) amsl within the White and Inyo Mountains, Warner Mountains, and Modoc Plateau. Low potential to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments within the Owens Valley.
Eremothera boothii subsp. *boothii*	Booth's evening-primrose	Fed: None State: None CRPR: 2B.3 SR: S3	High	High	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH/CNDDB record generally mapped to the Dunmovin area overlaps Segment 1; a second historic record overlaps Segment 2 and is generally mapped to the Kramer Hills north of Kramer Junction. Historic to recent CCH and/or CNDDB records within 5 miles of Segment 1, Crater Mountain Realignment Alternative, Manzanar Realignment Alternative, and Fossil Falls Realignment Alternative alignments in the Inyo Mountains east of Charlie's Butte, between Blackrock and Independence, and the Coso Range. Often found in Joshua tree woodland and in pinyon-juniper woodland and desert scrub at elevations ranging 2,950 to 7,900 feet amsl. Moderate to high potential to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments between Aberdeen and Twin Lakes, and between Haiwee and Inyokern; likely to occur along Segment 2 in the Kramer Hills area.
Ericameria albida	white-flowered rabbitbrush	Fed: None State: None CRPR: 4.2 SR: S3	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several recent to historic CCH records within 5 miles of Segment 1 at Warren and Klondike Lakes. Occurs on saline or alkaline soils in chenopod scrub, meadows and seeps, and playas at elevations ranging from 985-6,400 feet (300-1,950 meters) amsl. Likely to occur in suitable habitat along Segment 1 between Keough Hot Springs and Big Pine.
Eriogonum baileyi var. *praebens*	Bailey's woolly buckwheat	Fed: None State: None CRPR: 4.3 SR: S4	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several recent to historic CCH records located within 4 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative at Bishop Creek and McGee's Meadows southwest of the Segment 1 northern terminus, west of Crater Mountain, west of Manzanar, and the west side of the Alabama Hills. Occurs on sandy substrates in Great Basin scrub, meadows and seeps, and pinyon-juniper woodland at elevations ranging from 4,265-9,515 feet (1,300-2,900 meters) amsl. Likely to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments in the Bishop area south to Owens Lake.
Eriogonum mensicola	Pinyon Mesa buckwheat	Fed: None State: None CRPR: 1B.3 BLM: S SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One recent CNDDB record occurs within 5 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments in the Inyo Mountains at the north end of Santa Rita Flat. Occurs in rock or gravelly substrate in pinyon-juniper woodland, Great Basin scrub, and upper montane coniferous forest at elevations ranging from 5,900 to 8,900 feet (1,800 to 2,700 m) amsl in the White and Inyo Mountains and Desert Mountains province. Low potential to occur in suitable habitat along Segment 1 and Manzanar Realignment Alternative alignment between Aberdeen and Lone Pine.
Eriogonum microthecum var. *lapidicola*	Inyo Mountains buckwheat	Fed: None State: None CRPR: 4.3 SR: S2S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records exist 4.5 to 6 miles from Segment 1 in the Santa Rita Flat area of the Inyo Mountains. Occurs on carbonate gravel or rocks in pinyon-juniper woodland and subalpine coniferous forest at elevations ranging from 8,530-10,170 feet (2,600-3,100 meters) amsl in the White and Inyo Mountains. Low potential to occur as the Project and alternative alignments are outside the current elevation and geographic range of the species.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Eriogonum spergulinum var. *pratense*	Mountain meadow wild buckwheat	Fed: None State: None CRPR: 4.3 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CCH records within 5 miles of Segment 1 in the eastern Sierra Nevada west of Owens Lake. Occurs on sandy or gravelly substrates in creeks and meadows within alpine boulder and rock fields at elevations ranging from 6,005-11,305 feet (1,830-3,445 meters) amsl in the southern high Sierra Nevada. Low potential to occur as the Project and alternative alignments are outside the current elevation and geographic range of the species.
Erythranthe bergeri	Berger's monkeyflower	Fed: None State: None CRPR: 3 SR: S1	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Only known documented occurrences are recorded in several recent CCH records within 2 miles of Segment 1 near the base of the foothills west of Warren Lake. Occurs in vernally mesic places with rocky, granitic substrates in Great Basin Scrub at approximately 4,050 feet (1,235 meters) elevation amsl. Minimal potential to occur in suitable habitat along Segment 1 near Big Pine.
Erythranthe rhodopetra	Red Rock Canyon monkeyflower	Fed: None State: None CRPR: 1B.1 BLM: S SR: S1	Not likely to occur	Low	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CNDDB record generally mapped to the north side of the Rand Mountains overlaps Segment 2. Occurs in sandy washes in Mojavean desert scrub. Moderate potential to occur along Segment 2 in near the El Paso and Rand Mountains.
Eschscholzia androuxii	Joshua Tree poppy	Fed: None State: None CRPR: 4.3 SR: S3	Not likely to occur	Not likely to occur	Not likely to occur	Moderate	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record within 5 miles of Segment 3S south of Barstow. Occurs in sandy, rocky, or gravelly desert washes and on flats and slopes in Joshua tree woodland and Mojavean desert scrub at elevations ranging from 1,920-5,530 feet (585-1,685 meters) amsl, mostly within the southern Mojave Desert and Sonoran Desert provinces. Moderate potential to occur in suitable habitat along Segment 3S between Hinkley and Daggett; low potential to occur along Segment 3N near Barstow.
Euphorbia vallis-mortae	Death Valley sandmat	Fed: None State: None CRPR: 4.2 SR: S3	High	High	Low	Low	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record located along Segment 1 alignment south of Pearsonville. Several historic to recent CCH records within 2 miles of Segment 1 west of Owens Lake and between Pearsonville and Indian Wells. CCH records present beyond 5 miles of Segment 2 near the west side of the El Paso Mountains and east of Laurel Mountain. Occurs in dry, sandy or gravelly places in Mojavean desert scrub at elevations ranging from 755-4,790 feet (230-1,460 meters) amsl. Likely to occur in suitable habitat along Segment 1 south of Lone Pine and along Segment 2; low potential to occur along Segments 3N, 3S.
Euphrosyne nevadensis	Nevada wormwood	Fed: None State: None CRPR: 4.3 SR: S3	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One recent CCH record within 1 mile of Segment 1 west of Warren Lake. Occurs in alkaline, sandy plains and washes in chenopod scrub, Great Basin scrub, and pinyon-juniper woodland at elevations ranging from 3,280-6,740 feet (1,000-2,055 meters) amsl. Likely to occur in suitable habitat between Keough Hot Springs and Big Pine.
Fimbristylis thermalis	hot springs fimbristylis	Fed: None State: None CRPR: 2B.2 SR: S1S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One 1964 CNDDB record is from Keough Hot Springs west of CH alignment. Occurs in meadows and seeps, especially in alkaline soils and near hot springs at elevations ranging from 400 to 4,400 feet amsl. Not likely to occur in the Project or alternative alignments due to lack of suitable habitat.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Hecastocleis shockleyi	prickle-leaf	Fed: None State: None CRPR: 3 SR: S4	Moderate	Low	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CCH records within 5 miles of Segment 1 and Manzanar Realignment Alternative alignment northeast of Kearsarge and in Independence. One unverified historic CCH record within 1 mile of Segment 2 west of Rand. Occurs on dry, rocky slopes and washes in chenopod scrub and Mojavean desert scrub, often on carbonate substrates, at elevations ranging from 3,935-7,220 feet (1,200-2,2200 meters) amsl. Moderate potential to occur in suitable habitat along Segment 1 and Manzanar Realignment Alternative alignment near Independence and Kearsarge; low potential to occur along Segment 2 near the El Paso and Rand Mountains.
Lomatium rigidum	stiff lomatium	Fed: None State: None CRPR: 4.3 SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record along Segment 1 alignment southeast of Warren Lake. Several historic to recent CCH records within 5 miles of Segment 1 southwest of Bishop; of Crater Mountain Realignment Alternative alignment west of Crater Mountain; of Segment 1 and Manzanar Realignment Alternative alignment east of Blackrock; and of Segment 1 west of Bartlett and Haiwee. Occurs on rocky slopes near streams in Great Basin scrub and pinyon-juniper woodland at elevations ranging from 3,935-7,220 feet (1,200-2,200 meters) amsl. Low potential to occur in suitable habitat between Keough Hot Springs and Big Pine.
Lupinus magnificus var. *glarecola*	Coso Mountains lupine	Fed: None State: None CRPR: 4.3 SR: S4	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records within 5 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments within the Owens Valley west of Bishop, southwest of Crater Mountain, within and west of Lone Pine, and west of Bartlett. Occur on granitic substrates, often scree and talus, on desert slopes and within washes in Great Basin scrub, Joshua tree woodland, and Mojavean desert scrub at elevations ranging from 3,640-8,005 feet (1,110-2,440 meters) amsl. Moderate potential to occur in suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments between Bishop and Olancha.
Lupinus magnificus var. *hesperius*	Mcgee Meadows lupine	Fed: None State: None CRPR: 1B.3 BLM: S SR: S1	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH and/or CNDDB records within 5 miles of the northern end of Segment 1 west of Bishop and Crater Mountain Realignment Alternative alignment southwest of Blackrock. Occurs on steep, sandy slopes in upper montane coniferous forests and Great Basin scrub at elevations ranging from 4,135 to 6,005 feet amsl. Low potential to occur in suitable habitat along Segment 1 and Crater Mountain Realignment Alternative alignment between Bishop and Lone Pine.
Lupinus pusillus var. *intermontanus*	intermontane lupine	Fed: None State: None CRPR: 2B.3 SR: S2	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Few historic CCH and/or CNDDB records within 5 miles of Segment 1 southeast of Bishop and near Monola. Occurs in Greasewood Scrub and Great Basin scrub at elevations below 5,250 feet amsl, mostly north of the Owens Valley or east of the Owens Valley. Low to moderate potential to occur in suitable habitat along Segment 1 between Keough Hot Springs and Owens Lake.
Lycium torreyi	Torrey's box-thorn	Fed: None State: None CRPR: 4.2 SR: S3	Not likely to occur	Not likely to occur	Moderate	Moderate	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records within 5 miles of Segments 3N, 3S, northeast of the Kramer Hills, southwest and within Barstow. Occurs on sandy or rocky substrates in washes and on streambanks in Mojavean desert scrub and Sonoran desert scrub at elevations ranging from 165 feet below mean sea level to 4,005 feet amsl (50 meters below to 1,220 meters above). Moderate potential to occur in suitable habitat along Segments 3N and 3Snear Yermo.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Mentzelia eremophila	solitary blazing star	Fed: None State: None CRPR: 4.2 SR: S3S4	Not likely to occur	High	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Multiple historic to recent CCH records within 5 miles of Segment 2 in and around the El Paso and Rand Mountains area. Occurs in canyons, on rocky slopes and washes, and roadsides in Mojavean desert scrub at elevations ranging from 2,295-4,005 feet (700-1,220 meters) amsl. Likely to occur in suitable habitat along Segment 2 in the El Paso and Rand Mountain areas.
Mentzelia tricuspis	spiny-hair blazing star	Fed: None State: None CRPR: 2B.2 SR: S2	Not likely to occur	Not likely to occur	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records within 5 miles of Segments 3N, 3S, in the Barstow, Waterman Hills, Daggett, and Calico areas. Occurs on sandy, gravelly soils on slopes and washes in Mojavean desert scrub at elevations ranging from 500 to 4,200 feet amsl at scattered locations in the Mojave and Sonoran Deserts. Moderate potential to occur in suitable habitat along Segments 3N, 3S near Barstow, Daggett, and Yermo.
Monardella exilis	Mojave monardella	Fed: None State: None CRPR: 4.2 SR: S3	Moderate	Moderate	Moderate	Moderate	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records within 5 miles of Segment 1 and Fossil Falls Realignment Alternative alignment south Haiwee, Segments 2, 3N, and 3S in the Kramer Hills and Barstow areas. Occurs in sandy areas and washes in chenopod scrub, desert dunes, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, pinyon-juniper woodland, and lower montane coniferous forest at elevations ranging from 1,970-6,725 feet (600-2,050 meters) amsl. Low to moderate potential to occur in suitable habitat along Segment 1 south of Haiwee, Fossil Falls Realignment Alternative alignment, Segments 2, 3N, and 3S.
Nemacladus gracilis	slender nemacladus	Fed: None State: None CRPR: 4.3 SR: S4	Not likely to occur	Not likely to occur	Not likely to occur	Low	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record with an unverified location is within 5 miles of Segment 3S south of Barstow. Occurs on rocky slopes and sandy washes in cismontane woodland and valley and foothill grassland at elevations ranging from 395-6,235 feet (120-1,900 meters) amsl in the southern Sierra Nevada foothills, San Joaquin Valley, and South Coast Ranges. Not likely to occur as the Project and alternative alignments are outside the current geographic range of the species, and lack of suitable habitat.
Phacelia nashiana	Charlotte's phacelia	Fed: None State: None CRPR: 1B.2 BLM: S SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records within 5 miles of Segment 1 and Fossil Falls Realignment Alternative alignment in the Coso Mountains and eastern Sierra Nevada near Little Lake and Pearsonville. Occurs in granitic and sandy soil in Joshua tree woodland, Mojavean desert scrub, and pinyon-juniper woodland at elevations below 8,000 feet (2,400 m) amsl. Moderate potential to occur along Segment 1 and Fossil Falls Realignment Alternative alignment between Coso Junction and Pearsonville.
Populus angustifolia	Narrow leaved cottonwood	Fed: None State: None CRPR: 2B.2 SR: S2	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record located at Division Creek within 5 miles of Crater Mountain Realignment Alternative alignment west of Blackrock. Occurs on streambanks in riparian forests in pinyon-juniper woodland with willows (*Salix* spp) and water birch (*Betula occidentalis*) at elevations from 4,000 to 6,000 feet amsl. There are riparian areas that intersect the Crater Mountain Realignment Alternative alignment at Taboose Creek and Tinemaha Creek, however those areas are dominated by Fremont cottonwood (*Populus fremontii*). Moderate potential to occur within suitable habitat along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Psorothamnus arborescens var. *arborescens*	Mojave indigo-bush	Fed: None State: None CRPR: 4.3 SR: S4	Moderate	High	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH record located along Segment 3N south of Lockhart, two more within 1 mile. Several historic CCH records within 5 miles of Segments 1 and 2 in Inyokern, Segment 2 in the Rand Mountains, Segments 3N and 3S in the Kramer Hills, Hinkley, and Barstow areas. Occurs in Mojavean desert scrub and riparian scrub at elevations ranging from 1,310-3,890 feet (400-1,185 meters) amsl. Moderate potential to occur along Segment 1 south of Little Lake; likely to occur along Segments 2, 3N, and 3S.
Puccinellia simplex	California alkali grass	Fed: None State: None CRPR: 1B.2 BLM: S SR: S2	Not likely to occur	Not likely to occur	Low	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One undated CNDDB record located in the Mud Hills within 5 miles north of Segment 3N. Prefers alkaline, vernally mesic sinks, flats, and lake margins in yerba mansa meadows, annual grasslands, and vernal pools at elevations from sea level to 3,000 feet amsl; species has a broad range in restricted habitats in California. Low potential to occur as the Project and alternative alignments lacks suitable habitat.
Ranunculus hydrocharoides	frog's-bit buttercup	Fed: None State: None CRPR: 2B.1 SR: S1	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CCH/CNDDB records located within 5 miles of Segment 1 in Bishop and northwest of Independence. Occurs in freshwater marshes at elevations ranging from 4,000 to 9,200 feet amsl. Moderate potential to occur in suitable habitat along Segment 1 between Bishop and Independence.
Saltugilia latimeri	Latimer's woodland-gilia	Fed: None State: None CRPR: 1B.3 BLM: S SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several recent CCH/CNDDB records within 5 miles of Segment 1 west of Bradys. Occurs on coarse sand to rocky soils on dry desert slopes, sometimes washes, in chaparral, Mojavean desert scrub, and pinyon-juniper woodland at elevations ranging from 1,310-6,235 feet (400-1,900 meters) amsl. Moderate potential to occur along Segment 1 and Fossil Falls Realignment Alternative alignment near Little Lake.
Sibara deserti	desert winged-rockcress	Fed: None State: None CRPR: 4.3 SR: S4	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CCH records with unverified locations are within 5 miles of Segment 1 and Manzanar Realignment Alternative alignment in a canyon south of Mazourka Peak. Occurs in washes and on steep hillsides, dry flats, scree, calcareous rubble, rocky bluffs, and exposed crevices in Mojavean desert scrub. Moderate potential to occur along Manzanar Realignment Alternative alignment near.
Spartina gracilis	alkali cord grass	Fed: None State: None CRPR: 4.2 SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CCH records within 5 miles of Segment 1 southwest of and in Bishop, east of Keough Hot Springs, in Olancha, at Little Lake. Occurs along alkaline lake shores, streambanks, meadows, and marshes in Great Basin scrub at elevations ranging from 3,280-6,890 feet (1,000-2,100 meters) amsl. Moderate potential to occur in suitable habitat along Segment 1.
Sphenopholis obtusata	prairie wedge grass	Fed: None State: None CRPR: 2B.2 SR: S2	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CCH/CNDDB record located along Taboose Creek is within 5 miles of Segment 1 and Crater Mountain Realignment Alternative alignment.

Species Name	Common Name	Regulatory Status	Potential to Occur[1] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in moist locations, such as meadows and seeps and woodlands at elevations ranging from 800 to 9,500 feet amsl in the Sierra Nevada, Great Valley, and White Mountains. Moderate potential to occur along Taboose Creek within the Crater Mountain Realignment Alternative alignment, but suitable habitat is absent elsewhere.
Suaeda occidentalis	western horned seablite	Fed: None State: None CRPR: 2B.3 SR: S2	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CNDDB record within 5 miles of Segment 1 at Klondike Lake north of Big Pine. Occurs in moist and alkaline locations in Great Basin scrub at elevations below 7,200 feet amsl in isolated alkaline habitats in Inyo, Mono, Lassen, and Siskiyou Counties. Moderate potential to occur in suitable habitat along Segment 1 north of Big Pine.

b. Wildlife

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Observed							
Insects							
Bombus crotchii	Crotch bumble bee	Fed: None State: SC SR: S2	Present	Moderate	Moderate	Moderate	One individual observed near Segment 1 during 2024 spring field checks. There are historic CNDDB records within 5 miles of Segments 1, 2, 3N, and 3S near Bishop, Haiwee, Little Lake, and the Kramer Hills. No Bumble Bee Atlas sightings within 5 miles of the Project. Occurs primarily to the west of the Mojave Desert in open grassland and scrub habitats, but the historic range includes the Owens Valley. Nesting occurs underground. Food plants include *Asclepias*, *Chaenactis*, *Lupinus*, *Medicago*, *Eschscholzia*, *Eriogonum*, *Phacelia*, and *Salvia* species. Low to moderate potential to occur in suitable habitats along Segment 1 and Crater Mountain Realignment Alternative, Manzanar Realignment Alternative, Fossil Hill Alternative alignments, and Segments 2, 3S, and 3N.
Reptiles							
Gopherus agassizii	desert tortoise	Fed: FT State: ST SR: S2S3	Present (sign)	Present	High	High	221 observations of living individuals or sign in 2017-2018, with 25 living individuals and 196 sign found along portions the Project alignment. No observations of living desert tortoise were made along Segment 1 during the 2017 protocol surveys; however, sign was documented and an incidental observation of a single adult desert tortoise was made near the Inyokern Substation in Ridgecrest during surveys for Jurisdictional Waters. Desert tortoise sign were observed between Inyokern and Little Lake, including two potential desert tortoise burrows, one desert tortoise carcass, and one scat. USFWS-designated critical habitat present overlapping

[2] Potential to Occur:
Present: Species (or sign) was observed in the Survey Area during recent surveys, or a population has been acknowledged by CDFW, USFWS, or local experts
High: Habitat (including soils) for the species occurs in the Survey Area and a known occurrence occurs within five miles within the past 20 years; however, the species was not detected during recent surveys.
Moderate: Habitat (including soils) for the species occurs the Survey Area and a known regional record has been documented, but not within five miles of the Project site or within the past 20 years; or there is a documented occurrence within five miles of the Survey Area within the past 20 years and marginal or limited habitat occurs on site; or the species' range includes the geographic area and suitable habitat exists in the Survey Area.
Low: Limited habitat for the species occurs in the Survey Area and the species' range includes the geographic area, but there are no documented occurrences within five miles of the Survey Area within the past 20 years.
Not likely to occur: Species or signs not observed in the Survey Area, the Survey Area is outside of the species' known range, and conditions in the Survey Area are not suitable for occurrence.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Segment 2 on both sides of the Rand Mountains, adjacent to Segment 2 between the Rand Mountains and Kramer Junction, overlapping Segments 3N and 3S between Kramer Junction and Hinkley, overlapping Segment 3N north of Barstow, adjacent to Segment 3S south of Barstow. Occurs in arid, sandy or gravelly locations along riverbanks, washes, sandy dunes, creosote scrub, and rocky hillsides. Likely to occur only in suitable habitat, especially in designated critical habitat, between Olancha to Inyokern, between Inyokern and Kramer Junction, and from Kramer Junction to Barstow.
Sceloporus graciosus graciosus	northern sagebrush lizard	Fed: None State: None BLM: S SR: S3	Present	Not likely to occur	Not likely to occur	Not likely to occur	Five individuals of northern sagebrush lizard were observed in 2017-2018 southwest of Bishop, near the Tinemaha reservoir (northeast and south), and near the Alabama Hills in scrub habitats along Project alignment Segment 1 within 1,500 feet of a stream or the Owens River. One recent CNDDB record within 0.5 miles of Segment 1 between Grant and Haiwee. Occurs in sagebrush scrub and other types of shrublands, mainly in the mountains and prefers open areas with scattered low brush and sunny areas for basking. Suitable habitat between Bishop and south of Lone Pine (east of Alabama Hills). Likely to occur along Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments between Bishop and Haiwee.
Birds							
Accipiter cooperii	Cooper's hawk	Fed: None State: None CDFW: WL SR: S4	Present	Moderate	Present	Moderate	2 observations of two individuals in 2017-2018. A Cooper's hawk flushed out of the trees south of the South Haiwee Reservoir. There was one observation of a Cooper's hawk flying over the alignment in Creosote Bush – White Bursage Scrub just north of Elephant Mountain on Segment 3N. Woodland and riparian woodlands and shrublands near Little Lake, North/South Haiwee Reservoir, the Owens River (north of Lone Pine, south of Tinemaha reservoir, and south of the Control substation) all provide suitable habitat. eBird observations within the past 10 years during the March through August breeding season are concentrated in Bishop, Big Pine, Lone Pine, along the Owens River and the eastern Sierra Nevada foothills, Kramer Junction, Barstow, Baker, and the Clark Mountains. This species forages in open woodlands or woodland margins as well as in some shrublands. Nests are built in the upper canopy of a dense stand of trees such as live oak or cottonwood in riparian areas, canyon bottoms, river flood-plains, and live oak woodlands and savannas. Breeding resident throughout most of the wooded portion of the state, under 9,000 feet amsl. Northern portion of the Owens Valley north of Tinemaha Reservoir is winter range with the remainder of the Project located within the species' yearlong range. Likely to nest in suitable habitat within riparian woodland along the Owens River south of Tinemaha Reservoir intersecting or adjacent to Segment 1 and Manzanar Realignment Alternative alignment, and stream riparian corridors intersecting or adjacent to Crater Mountain Realignment Alternative alignment. Moderate potential to nest in communities, towns, or cities with landscaped tree canopy cover.
Aquila chrysaetos	golden eagle	Fed: None State: None CDFW: FP BLM: S SR: S3	Present	Present	High	High	3 Observations of 3 individuals in 2017-2018. One golden eagle was observed along Segment 1 just south of Bishop in the foothills of the Tungsten Hills. An immature golden eagle was observed soaring above Creosote Bush Scrub vegetation in the El Paso Mountains near Segment 2There are 5 historic (1974 – 1996) and 1 recent (2009) CNDDB records of observed nesting activity or existing nests located within 5 miles of Segment 1 between Haiwee and Pearsonville: 2009 observation mapped to a 2/5-mile accuracy overlaps Segment 1 south of Haiwee; 1996 observation mapped to a 1-mile accuracy overlaps Segment 1 west of Little Lake; 3 historic (1974-1979) occurrences are mapped within 500 feet east of Segment 1 between Little Lake and Pearsonville. Two CNDDB records (1979, 2010) of nesting activity occur within 5 miles of Segment 2 on the south side of the El Paso Mountains, the 2010 occurrence mapped to a 1/10-mile accuracy overlaps Segment

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							2 and notes the nest was on a transmission tower. Two historic to recent (1977, 2008) CNDDB records of nesting activity or existing nests near Daggett Ridge within 5 miles of Segment 3S, one historic (1971) CNDDB record of an existing nest ~0.3 miles west of Segment 3N on Elephant Mountain. Occurs in cliff-walled canyons that provide suitable nesting habitat and in large trees and open areas within foothills, mountain areas, sage-juniper flats, and deserts. High potential for nesting golden eagles to occur in suitable hilly-, cliff-, or mountain-type type nesting habitat within proximity of Segment 1 between Haiwee and Pearsonville, Segment 2 in the El Paso and Rand Mountains, Segment 3N in the Waterman Hills, Segments 3N in the Mitchel Range and Elephant Mountain.
Athene cunicularia	burrowing owl	Fed: None State: None CDFW: SC BLM: S USFWS: BCC SR: S2	Moderate	High	Present	High	No burrowing owls were observed along the proposed alignment, but two burrows were observed along Segment 3N: one burrow on the south side of Harper Lake and the other between the Calico Mountains and the Mitchel Range to the west. CNDDB records at Coso Junction in Segment 1. One historic (1891) CNDDB record located in the Zurich area within ~3 miles northeast of Segment 1 and Big Pine. CNDDB historic (1979) and recent (2007) occurrences for burrowing owl are located within 5 miles of Segment 1 and Fossil Falls Realignment Alternative alignment east of Coso Junction; 2007 occurrence overlaps a proposed materials yard location along Gill Station Coso Road. Several recent CNDDB records within 5 miles of Segments 1 and 2 near Inyokern, Segment 3N in the Lockhart area, and Segments 3N and 3S in Hinkley and Barstow. Occurs mainly in grassland and open scrub from the seashore to interior California and is strongly associated with ground squirrel burrows. Suitable nesting habitat was observed near Harper Lake and between Calico Mountains and the Mitchell Range. Moderate potential in Segment 1 south of Olancha. High potential to occur in suitable habitat along Segments 2, 3N, and 3S.
Buteo regalis	Ferruginous hawk	Fed: None State: None CDFW: WL SR: S3S4	Moderate (wintering)	Moderate (wintering)	Present	Present	A ferruginous hawk was observed flying over Creosote Bush – White Bursage Scrub near Segments 3N and 3S west of Yermo during the surveys. The ferruginous hawk is a winter resident of southern California, but does not breed in this region. No CNDDB records within 5 miles of the Project. During winter, the species generally occurs in open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats. Suitable wintering habitat for the ferruginous hawk is found primarily where alfalfa fields and pastures occur in the vicinity of Daggett and Hinkley. Moderate potential for wintering (non-nesting) ferruginous hawk to occur in the Project area.
Buteo swainsoni	Swainson's hawk	Fed: None State: ST BLM: S SR: S4	Present	Not likely to occur	Not likely to occur	Not likely to occur	Seven non-nesting individuals observed foraging along or flying over Segment 1 and alternative alignments from Bishop to Ridgecrest. Eleven CNDDB records occur near the alignment from Bishop, Klondike Lake, Big Pine south to the Tinemaha Reservoir, north of Independence, near Manzanar, and near the Haiwee Reservoir – ten of the eleven observations were of active nests or nesting behavior. Occurs in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with tree groves. Requires adjacent suitable foraging areas such as grasslands, alfalfa or grain fields that support rodent populations. Potentially suitable nesting habitat was observed along Segment 1 near Bishop, Klondike Lake, Big Pine, Independence, Manzanar, and Haiwee Reservoir; high potential to occur in suitable habitat along Segment 1 and Crater Mountain and Manzanar Realignment Alternative alignments.
Calypte costae	Costa's hummingbird	Fed: None State: None USFWS: BCC SR: S4	Present	Low	Low	Low	One individual was observed near Segment 1 north of Coso. Species not tracked by CNDDB; numerous eBird observations near the Project during the breeding season in the past 10 years, concentrated in towns and cities with managed landscaped habitats such as Bishop, Big Pine, and Inyokern. Species can occur in desert scrub in the Sonoran and Mojave deserts, and chaparral. During the non-breeding season they use similar dry habitats as well as parks, gardens, and higher elevation mountains. In the Mojave

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							desert they frequent scrub and woodlands near springs and streams with cottonwoods, brittlebush, four-winged saltbush, Mojave desert scrub species.
Circus hudsonius	northern harrier	Fed: None State: None CDFW: SSC USFWS: BCC SR: S3	Present	Not likely to occur	Not likely to occur	Not likely to occur	One non-nesting observation of a foraging adult male was made near Segment 1 in 2017 in Olancha, on the Olancha Sand Dunes adjacent to desert scrub. This individual was likely migrating through the area. One historic (1996) CNDDB record of a nesting pair within 3 miles west of Segment 1 northwest of Lone Pine. Occurs in large, undisturbed tracts of wetlands and grasslands with low, thick vegetation. They breed in freshwater and brackish marshes, lightly grazed meadows, old fields, tundra, dry upland prairies, and drained marshlands. Potentially suitable nesting habitat was observed in wetland and freshwater marsh habitat north of Olancha; low to moderate potential to occur in suitable habitat along Segment 1.
Contopus cooperi	olive-sided flycatcher	Fed: None State: None CDFW: SSC USFWS: BCC SR: S3	Present (Crater Mountain)	Not likely to occur	Not likely to occur	Not likely to occur	One olive-sided flycatcher was observed in June 2023 along Wyman Creek in the White Mountains well outside of Segment 1. One observation of one non-nesting adult olive-sided flycatcher in May 2023 within 1 mile of the Crater Mountain Realignment Alternative alignment at the Tinemaha campground area in Water Birch Thickets. There are no CNDDB records on or near the Crater Mountain Realignment Alternative alignment. Suitable nesting habitat for the olive-sided flycatcher includes open mature forests with tall trees. The olive-sided flycatcher is unlikely to nest along Segment 1 or the Crater Mountain Realignment Alternative alignment due to the lack of suitable habitat and documented breeding records for this species in the Crater Mountain Realignment Alternative alignment area.
Falco mexicanus	prairie falcon	Fed: None State: None CDFW: WL SR: S4	Present	Present	Present	High	Prairie falcons were observed along Segment 1 in 2017-2018, a potential prairie falcon nest was observed in an old corvid nest on a tower, very uncommon but studies have shown this to occur on transmission lines in the western United States. A juvenile was seen adjacent to the nest before it was disturbed. An adult prairie falcon was observed near Segment 2 perched on a tower in Creosote Bush Scrub south of the El Paso Mountains and west of Atolia. A second adult prairie falcon was observed soaring over Creosote Bush Scrub within Segment 3N east of Harper Lake near Fossil Bed Road. CNDDB documents this species as occurring in several USGS quadrangles overlapping and near the Project and alternative alignments. Species is commonly found in annual grasslands to alpine meadows, but is associated primarily with perennial grasslands, savannahs, rangeland, some agricultural fields, and desert scrub areas. They will typically use sheltered cliff ledges for cover and nesting. High potential for nesting golden eagles to occur in suitable cliff-type nesting habitat within proximity of Segment 1 near Bishop and Inyokern, Segment 2 in the El Paso and Rand Mountains, Segment 3N in the Waterman Hills, and Segments 3N and 4 in the Mitchel Range and Elephant Mountain; low potential to occur along Segment 4 in the Cave Mountain, Clark Mountains, Mohawk Ridge, and Mescal Range areas.
Haliaeetus leucocephalus	bald eagle	Fed: FD State: SE CDFW: FP BLM: S SR: S3	Present	Not likely to occur	Not likely to occur	Not likely to occur	Two non-nesting observations occurred along Segment 1: one adult was perched on a power pole near a fish hatchery just west of the Owens River on Fish Springs Road, south of Bishop, and another was observed flying near the Project alignment near south Haiwee Reservoir. There is one 1990 CNDDB record near Segment 1 to the west of Tinemaha Reservoir that references an occupied but unsuccessful nest. Nests in large, old-growth live trees with open branches. Species is known to roost communally in winter. Prefers trees near large bodies of water such as lake margins and rivers for both nesting and wintering. Most nests are within 1 mile of water. Potentially suitable nesting habitat is present along Segment 1 near Tinemaha Reservoir, the fish hatchery on Fish Springs Road, as well as locations with mature cottonwood trees near Klondike Lake, South Haiwee Reservoir, Owens Lake, and Little Lake.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Lanius ludovicianus	loggerhead shrike	Fed: None State: None CDFW: SSC SR: S4	Present	Present	Present	Present	Twenty-two total individuals observed in 2017-2018 vocalizing and foraging near Segment 1, Crater Mountain Realignment Alternative, Manzanar Realignment Alternative and Fossil Falls Realignment Alternative alignments in 11 locations. Four observations with 1 individual each vocalizing and foraging in various locations along alignment near Kramer Junction. A 2006 CNDDB nesting record overlaps Segment 3N south of Harper Lake. One individual was observed nesting in a tower surrounded by creosote bush scrub in the Indian Wells Valley south of the Inyokern Substation. Non-nesting observations were located near the following: south of Tinemaha Reservoir, Manzanar, North Haiwee Reservoir, Little Lake, Pearsonville, and north of Inyokern. Five observations in 2023: in August 2023, a pair of adults perched on shrub along Mazourka Canyon Road and one adult perched on a shrub in greasewood scrub near Owens River, south of Twin Lakes; in May 2023, one adult roosting on shrub flushed from vegetation along between Owenyo and Lone Pine, and two observations southeast of Twin Lakes on the Manzanar Realignment Alternative Alignment of one single adult roosting in desert scrub and of a pair exhibiting nesting behavior. Occurs in open woodlands, savannah, pinyon-juniper woodland, Joshua tree woodland, riparian woodland, desert oases, scrub, and washes in conjunction with sufficient shrubs, trees, posts, fencelines, or other perches. Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting. Suitable nesting habitat was observed in the Indian Wells Valley; potentially suitable habitat along Segment 1, Crater Mountain Realignment Alternative and Manzanar Realignment Alternative alignments occurs where dense shrubs and brush provide adequate cover, from south of the Tinemaha Reservoir to Inyokern. Moderate nesting potential south of Harper Lake. Non-breeding individuals of the loggerhead shrike are likely to occur in many natural areas where they make use of native shrubs, trees, posts, and other perches.
Pandion haliaetus	osprey	Fed: None State: None CDFW: WL SR: S4	Present	Present	Not likely to occur	Not likely to occur	One osprey was observed in 2017-2018 foraging near Segment 1 just west of the South Haiwee Reservoir. Suitable foraging and nesting habitat is present around the larger lakes and rivers along the alignment in the Owens Valley. Occurs along ocean shores, bays, fresh-water lakes, and larger streams with larger trees. One osprey was observed perched atop a pole approximately 8 miles south of Atolia within near Segment 2 in 2017. One observation in 2023 of one adult osprey flying over the Manzanar Realignment Alternative Alignment southeast of Twin Lakes northeast of Fort Independence. Ospreys are winter residents and migrants of southern California. During migration and winter, the species generally occurs along ocean shores, bays, fresh-water lakes, and larger streams with larger tall trees. The osprey is unlikely to nest along the ICKI alignment due to lack of present throughout the Project area. One CNDDB occurrences of the species nesting is present in the Project area at the Tinemaha Reservoir (CNDDB 2018). There is no suitable nesting habitat for the osprey within the alignment, and this species is unlikely to encountered nesting occur except as an occasional migrant. Potentially suitable nesting habitat is present along Segment 1 near Tinemaha Reservoir, the fish hatchery on Fish Springs Road, as well as locations with mature cottonwood trees near Klondike Lake, South Haiwee Reservoir, Owens Lake, and Little Lake.
Pelecanus erythrorhynchos	American white pelican	Fed: None State: None CDFW: SSC USFWS: BCC SR: S1S2	Present	Not likely to occur	Not likely to occur	Not likely to occur	One observation in 2023, a flock of over 50 individuals flying over Owens River above Mazourka Canyon Road near Segment 1 and the Manzanar Realignment Alternative alignment. The American white pelican does not nest in the Owens Valley. California's nesting pelicans found primarily in the Klamath Basin but the species is widely dispersed during migration.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Piranga rubra	summer tanager	Fed: None State: None CDFW: SSC SR: S4	Present	Not likely to occur	Not likely to occur	Not likely to occur	A single non-nesting individual was observed near the Control Substation at the northern terminus of Segment 1. A recent non-nesting CNDDB record is located west of the alignment at Baker Creek near Big Pine. Two non-nesting CNDDB records have been reported, one in Afton Canyon (1977) in the Cady Mountains and the other north of the alignment in the Clark Mountains (1970). Occurs in mature, desert riparian communities dominated by cottonwoods and willows, which provide foraging and nesting habitat. There is no suitable nesting habitat for the summer tanager along the Project or alternative alignments, since large stands of undisturbed, mature riparian forest are mostly lacking.
Plegadis chihi	white-faced ibis	Fed: None State: None CDFW: WL SR: S3S4	Present	Not likely to occur	Not likely to occur	Not likely to occur	Remains of one individual as a result of a line strike was observed in 2017-2018 along Segment 1 just north of Highway 136 near Lone Pine. One observation in 2023 of five adults observed roosting on grassy shore at the southern end of Owens Lake northeast of Olancha near Segment 1. No CNDDB records within 5 miles. Species requires dense tule thickets for nesting, interspersed with areas of shallow water for foraging. Generally found near shallow freshwater marshes. Moderate potential to nest in suitable habitat along Segment 1 between Lone Pine and Olancha.
Polioptila melanura	black-tailed gnatcatcher	Fed: None State: None CDFW: WL SR: S3S4	Present	Low	Present	Low	Two black-tailed gnatcatchers were observed in 2017-2018 along Segment 1 in a desert wash adjacent to Tamarisk woodland, south of Highway 136. Inhabits wooded desert wash habitats; also occurs in desert scrub. A single black-tailed gnatcatcher was observed vocalizing and foraging in Creosote Bush Scrub along Segment 3N near Irwin Road. Black-tailed gnatcatchers occur in wooded desert wash habitats; also in desert scrub habitat in winter. The black-tailed gnatcatcher is a year-round resident of southern California and does not migrate. In the Mojave Desert, black-tailed gnatcatchers nests in desert washes containing mesquite, paloverde, ironwood, and acacia. The black-tailed gnatcatcher has a low to moderate likelihood of nesting within the ICKI alignment. There is potentially suitable nesting habitat for the black- tailed gnatcatcher in desert washes supporting catclaw acacia and other desert scrub vegetation, primarily between Halloran Wash and the Ivanpah Substation. It is unlikely to nest west of Afton Canyon to the Inyokern Substation.
Riparia riparia	bank swallow	Fed: None State: ST BLM: S SR: S3	Present	Not likely to occur	Not likely to occur	Not likely to occur	Three observations in 2017-2018 near Segment 1along the Owens River south of the Tinemaha Reservoir, area 2 miles north of Lone Pine, and near the Haiwee Substation. One historic CNDDB record along the Owens River northeast of Big Pine, within ~3 miles of Segment 1. Occurs near vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, and lakes for nesting. Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Suitable nesting habitat potentially present along the Owens River south of the Tinemaha Reservoir, north of Lone Pine, and near the Haiwee Substation. Potentially suitable habitat with earthen banks, bluffs, and cliffs may occur along other discrete portions of the Owens River.
Toxostoma lecontei	Le Conte's thrasher	Fed: None State: None CDFW: SSC BLM: S USFWS: BCC SR: S3	Present	High	High	High	Two observations in 2023 east of the Owens River over the Manzanar Realignment Alternative alignment. One single adult was observed flushed from desert scrub vegetation east of the Alabama Hills. A pair of LeConte's thrashers were observed vocalizing in desert scrub vegetation south of Manzanar Reward Road. A 1946 CNDDB egg collection record mapped to a 1-mile accuracy is reported from Inyokern and overlaps Segments 1 and 2. Several historic CNDDB records located along Little Dixie Wash within 5 miles of Segment 2. There are two 2017 eBird nesting records for Le Conte’s thrasher within approximately 1 mile of Segment 2 at Inyokern. Recent and historic CNDDB records are located in Barstow within 5 miles of Segments 3N and 3S. Occurs in desert washes, desert scrub, alkali desert scrub, and desert succulent shrub communities; it also occurs in Joshua tree woodland. This species nests in dense, spiny shrubs or densely branched cactus habitat in desert washes 2 to 8 feet above ground.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Xanthocephalus xanthocephalus	yellow-headed blackbird	Fed: None State: None CDFW: SSC SR: S3	Present	Not likely to occur	Not likely to occur	Not likely to occur	A flock was observed along Segment 1 in 2017 at the South Haiwee Reservoir; no nesting birds observed. One observation in 2023 of one male adult flying over Segment 1 at the southern end of Owens Lake near Highway 190 north of Olancha. No CNDDB records exist within 5 miles of the Project. Occurs only where large insects are abundant, and nesting is timed with maximum emergence of aquatic insects. Nests occur in freshwater emergent wetlands with dense vegetation and deep water, often along borders of lakes or ponds. There is a low potential for nesting yellow-headed blackbirds to be encountered along Segment 1, since little undisturbed cattail and marsh habitat occurs along the alignment.
Mammals							
Cervus canadensis nannodes	tule elk	Fed: None State: None SR: S3	Present	Not likely to occur	Not likely to occur	Not likely to occur	One observation of tule elk in 2023 near Segment 1 and Crater Mountain Realignment Alternative alignments, with three males and six females in Fremont's Smokebush - Nevada Smokebush Scrub on the east-facing flanks of Crater Mountain. Tule elk are endemic to California and often occupy open arid habitats. There are 5 distinct populations of tule elk in the Owens Valley, a species introduced to this location in the 1930s by CDFW, including one that occurs near where the 2023 observation was made. Tule elk are likely to occur along Segment 1 and the Crater Mountain Realignment Alternative alignment.
Vulpes macrotis	desert kit fox	Fur-bearing mammal, CCR § 460	Not likely to occur	High	Present	High	Observations were documented along Segment 3N; two east of Kramer Junction in creosote bush scrub, one in the Waterman Hills in creosote bush scrub. Occur in open shrubland habitat within prey animal (jackrabbits, desert cottontail, rodents) habitat. Require loose sandy and loamy soils for excavating dens during pup rearing. Likely to occur only in suitable open shrubby habitat between Kramer Junction and Yermo.

Not Observed with Potential to Occur

Invertebrates							
Bombus occidentalis	western bumble bee	Fed: None State: SC SR: S1	Not likely to occur	Not likely to occur	Not likely to occur	Low	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One 1978 CNDDB record is located in the Kramer Hills within one mile of Segment 3S. No Bumble Bee Atlas sightings within 5 miles of the Project. Project is outside of the current and historic species' range. Occurs in semi-arid areas near washes or intermittent streams, including valley-foothill and desert riparian, habitat with sandy banks, willows, cottonwoods, and sycamores, especially in the northern half of California. Prefers loose, gravelly areas of streams in drier parts of range from sea level to over 6,500 feet amsl. It typically nests underground in abandoned rodent burrows or other cavities. Required plant genera include *Cirsium*, *Cleome*, *Helianthus*, *Lupinus*, *Chrysothamnus*, and *Melilotus*. Not likely to occur along the Project or alternative alignments as they are outside the species' range and largely lacks suitable habitat.
Danaus plexippus plexippus	Monarch butterfly	Fed: FC State: None SR: S2	High	High	Not likely to occur	Moderate	Recent candidate for listing under ESA. Many iNaturalist observations documented along Segments 1 and 2 between Bishop and Ridgecrest. One iNaturalist observation in Barstow (2016). Three recent CNDDB records near Segment 1, east of Lone Pine on the east side of the Inyo Mountains at Saline Valley. Exhibit long-distance migration, western population primarily overwinters in groves along the coast of California and Baja California, roosting in eucalyptus, Monterey pines, and Monterey cypress trees. Feed on nectar from a variety of flowers; reproduction depends on presence of milkweed, which is the only food source for larvae. Breeding in open areas, fields, and roadside areas with suitable blooming nectar sources

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							and milkweed. In western North America, nectar and milkweed resources often associated with riparian corridors. The Project site is outside the monarch's coastal overwintering range.
Plebulina emigdionis	San Emigdio blue butterfly	Fed: None State: None SR: S1S2	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Recent CNDDB record is located 0.5 miles west of Segment 1 between the south end of Owens Lake and the north end of Haiwee Reservoir. Occurs in shadscale scrub in desert canyons and near washes at the southern end of the Sierra Nevada, in the San Emigdio Mountains, near Victorville, and near the south end of Owens Lake. Suitable shadscale scrub habitat between the southwestern end of Owens Lake and the north end of Haiwee Reservoir.
Pyrgulopsis wongi	Wong's springsnail	Fed: None State: None SR: S2	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CNDDB records within 5 miles of Segment 1 and alternative alignments west of Big Pine, the Poverty Hills, and Independence, in the Alabama Hills west of Lone Pine, west of Haiwee and Dunmovin. Several occurrences overlap Segment 1, including the north end of the Alabama Hills, the north end of Owens Lake south of Lone Pine, the south end of Owens Lake, and south of Little Lake. Occurs in seeps, headsprings, and upper reaches of springs. The species generally occurs in freshwater springs with areas of watercress on small bits of travertine and stone. Potentially suitable seeps and springs located along Segment 1 near the Alabama Hills, the southwestern end of Owens Lake, and the southern end of Little Lake. High potential to occur in suitable habitat along Segment 1.
Fish							
Catostomus fumeiventris	Owens sucker	Fed: None State: None CDFW: SSC SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CNDDB records in several locations along the Owens River and in ditches in and near Bishop to the northeast of Segment 1; at the Fish Springs Hatchery southeast of Big Pine; and south of the Tinemaha Reservoir near Aberdeen. Endemic to the Owens River drainage and is most common in areas with long runs and few riffles. Adults can thrive in reservoirs but needs gravelly riffles in tributary streams for spawning. Owens sucker occupies backwaters and warmer, lower, and calmer water. Low potential to occur within streams, ditches, and the Owens River within the Owens Valley where Segment 1 and the Crater Mountain and Manzanar Realignment Alternative alignments cross.
Amphibians							
Lithobates pipiens	northern leopard frog	Fed: None State: None CDFW: SSC SR: S2	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CNDDB records within 5 miles of Segment 1 and Crater Mountain Realignment Alternative alignment, including west of Bishop in Pine Creek, in the Owens River northeast of Aberdeen, east of Bishop at Birch Creek, and in Baker Creek west of Big Pine. Occurs east of the Sierra Nevada-Cascade Crest and near permanent or semi-permanent water in a variety of habitats. Shoreline cover and submerged and emergent aquatic vegetation are important habitat characteristics. Low to occur along Segment 1 and the Manzanar Realignment Alternative alignment, limited potentially suitable habitat between Bishop and just south of the Tinemaha Reservoir.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Reptiles							
Uma scoparia	Mojave fringe-toed lizard	Fed: None State: None CDFW: SSC BLM: S SR: S3S4	Not likely to occur	Not likely to occur	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CNDDB occurrences within 5 miles of Segments 3N, 3Sin Harper Valley, between Hinkley and Barstow. Occurs in desert dunes, desert washes and Mojavean desert scrub communities. Shrubs or annual plants may be necessary for the arthropods found in the lizard's diet. It lives in fine, loose, wind-blown sand in sand dunes, dry lakebeds, riverbanks, desert washes, sparse alkali scrub, and desert scrub.
Birds							
Charadrius nivosus nivosus	western snowy plover	Fed: FT State: None CDFW: SSC SR: S3	High	Not likely to occur	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two CNDDB records of nesting located within 5 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments: one 1992 CNDDB record at Tinemaha Reservoir south of Big Pine and one 2004 CNDDB record for at Owens Lake. Known nests reported on the shores of Owens Lake. The Owens Lake occurrence polygon overlaps Segment 1. Nesting has been reported at Harper Lake in 1977 and 1978 and assumed nesting there in 1988. Potentially suitable nesting habitat located on the southern edge of Harper Dry Lake. Occurs in sandy, gravelly or friable soils for nesting and they occur on sandy beaches, salt pond levees, and shores of large alkali lakes. High potential to occur in suitable habitat along Segment 1 at Owens Lake, Segments 3N and 3S near Harper Lake.
Charadrius montanus	mountain plover	Fed: None State: None CDFW: SSC BLM: S USFWS: BCC SR: S3	High (migration)	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two CNDDB records located within 5 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments: one 1992 CNDDB record at Tinemaha Reservoir south of Big Pine and one 2004 CNDDB record for at Owens Lake. Occurs in short grasslands, freshly plowed fields, newly sprouting grain fields, and occasionally in sod farms, landscaping, bare ground, and flat topography, where it prefers grazed areas and areas with burrowing rodents within chenopod scrub and valley and foothill grassland communities. High potential to occur in suitable habitat along Segment 1 during migration; the Project and alternative alignments are located outside the species' breeding and overwintering ranges.
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Fed: FT State: SE BLM: S SR: S1	Low	Not likely to occur	Low	Low	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CNDDB records within 5 miles of Segment 1, Crater Mountain Realignment Alternative, and Manzanar Realignment Alternative alignments: west of Big Pine, north of Tinemaha Reservoir, north of Independence. One historic CNDDB occurrence mapped to a 2/5-mile accuracy northeast of Aberdeen overlaps Segment 1. CNDDB records near Segments 3N and 3S southwest of Barstow. Occurs in riparian forest and will nest in riparian thickets of willow, often mixed with cottonwoods, with an understory of blackberry, nettle, and wild grape. Not likely to nest along the Project or alternative alignments, known nesting areas are north of Tinemaha Reservoir outside of the alignment. Suitable dense riparian forest nesting habitat absent along the alignment, existing riparian forest along alignment is fragmented and disturbed.
Ixobrychus exilis	least bittern	Fed: None State: None CDFW: SSC SR: S4	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic to recent CNDDB records within 5 miles of Segment 1 and Manzanar Realignment Alternative alignment: one east of Independence and one on the west side of Owens Lake.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
							Occurs in marshlands in colonies and along borders of ponds and reservoirs where ample cover is available. Nests are usually placed low in tule and over water. High potential to occur in suitable nesting habitat along Segment 1 and Manzanar Realignment Alternative alignment east of Independence and along the shores of Owens Lake.
Mammals							
Antrozous pallidus	pallid bat	Fed: None State: None CDFW: SSC BLM: S SR: S3	Moderate	Moderate	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CNDDB records within 5 miles of Segment 1, Manzanar Realignment Alternative, Segment 2, north of Independence, overlapping in Independence, in the Alabama Hills, overlapping in Lone Pine, on the south side of Owens Lake, overlapping south of Randsburg. Occurs in desert, grassland, shrubland, woodland and forest communities with rocky areas for roosting. Roosts on walls and ceilings of caves and mines, also buildings, bridges, rock crevices, and hollow trees; roosting sites are limiting to success and presence. This species is very sensitive to disturbance of roosting sites. Moderate potential to roost in suitable habitat along Segment 1 and alternative alignments, Segment 2, and Segment 4.
Corynorhinus townsendii	Townsend's big-eared bat	Fed: None State: None CDFW: SSC BLM: S SR: S2	High	High	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Multiple historic to recent CNDDB records within 5 miles of Segment 1 and alternative alignments, Segments 2, 3N: in the Tungsten Hills west of Bishop, in the foothills south of Bishop, southeast of Bishop, north of Independence, in the Alabama Hills, overlapping in Lone Pine, near the Haiwee Reservoir, overlapping south of Little Lake, overlapping south of Randsburg, south side of the Calico Mountains. Roosts in mines or caves in the winter and limestone caves, lava tubes, and human-made structures in the summer. Maternity colonies form between March and June. Foraging occurs near roosting habitat in arid desert scrub and pine forests. High potential to roost in suitable habitat along Segment 1 and alternative alignments, Segment 2, Segment 3N.
Euderma maculatum	spotted bat	Fed: None State: None CDFW: SSC BLM: S SR: S3	Moderate	Moderate	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic CNDDB records within 5 miles of Segment 1 and Manzanar Realignment Alternative alignment in the Bishop area, south of Lone Pine, west of Bartlett, and along the western shore of Owens Lake. Several occurrences overlap Segment 1, including in Lone Pine and Cartago. One CNDDB record from China Lake. Roosting habitat includes rock crevices in cliffs or caves. Forages over open water and along washes, mainly for moths. It occupies a wide variety of habitats from arid deserts and grasslands to mixed conifer forests. Low to moderate potential to roost in suitable habitat along Segment 1 and alternative alignments, Segment 2.
Lepus townsendii townsendii	western white-tailed jackrabbit	Fed: None State: None CDFW: SSC SR: S3?	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CNDDB record north of Bishop within 5 miles of Segment 1. Occurs in sagebrush, subalpine conifer, juniper, alpine dwarf shrub and perennial grassland. Habitat includes open areas with scattered shrubs and exposed flat-topped hills with open stands of trees, brush and herbaceous understory. Low to moderate potential to occur in suitable habitat along Segment 1 north of Tinemaha Reservoir.
Microtus californicus mohav	Mohave River vole	Fed: None State: None CDFW: SSC SR: S1	Not likely to occur	Not likely to occur	Moderate	Moderate	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One historic CNDDB record in Lockhart within 5 miles of Segment 3N. Occurs only in weedy herbaceous growth in wet areas along the Mojave River and may be found in some irrigated pastures. Burrows into soft soil and feeds on leafy parts of grasses, sedges and herbs. Low to moderate potential to occur in suitable habitat along Segments 3N and 3S, where adjacent to or crossing the Mojave River and connected washes.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Microtus californicus vallicola	Owens Valley vole	Fed: None State: None CDFW: SSC BLM: S SR: S3	High	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Historic CNDDB records occur near Segment 1, Manzanar Realignment Alternative, and Fossil Hill Alternative alignments in the Bishop area, near Independence, the west side of the Alabama Hills, and north of Haiwee. Occurrences mapped to a 1-mile accuracy overlap Segment 1 in Independence, Lone Pine, Cartago, Olancha, and Little Lake. Occurs in wetlands and lush grassy habitats in the Owens Valley with friable soil for burrowing. It forages on grasses, sedges, and herbs. Potentially suitable burrowing and foraging habitat along Segment 1 in moist places between the southwestern end of Owens Lake and the north end of the Haiwee Reservoir.
Myotis ciliolabrum	western small-footed myotis	Fed: None State: None BLM: S SR: S3	Moderate	Moderate	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two CNDDB records (1997, 1999) for western small-footed myotis occur east of Segment 1 and alternative alignments in or at the base of the Inyo Mountains. Occurs in a wide range of habitats, but mostly in arid wooded and brushy uplands near water. It will roost in caves, buildings, mines, and rock crevices and prefers open stands in forests and woodland for foraging. Habitat requirements include fresh drinking water and a wide variety of small flying insects. The species' range includes the Owens Valley and northwester and eastern parts of the Mojave Desert. Low to moderate potential to roost in suitable habitat along Segment 1 and alternative alignments, Segment 2.
Myotis thysanodes	fringed myotis	Fed: None State: None BLM: S SR: S3	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. One CNDDB 2003 record is located along the Mojave River in Afton Canyon within 5 miles of Segment 4. Roosting sites consist of primarily abandoned mines, but include tree snags, rock outcrops, and natural caves. Forages in desert-scrub to fir-pine vegetation communities. The species' range includes much of California, including the Owens Valley and parts of the Mojave National Preserve, but excluding most of California's deserts. Low to moderate potential to roost in suitable habitat along Segment 1 and alternative alignments.
Myotis yumanensis	Yuma myotis	Fed: None State: None BLM: S SR: S4	Moderate	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Two historic CNDDB records located on the north and south sides of Owens Lake, within 5 miles of Segment 1 and Manzanar Realignment Alternative alignment. This bat species is associated with permanent water, typically rivers and streams, but also scour pools in bedrock. Found in riparian, forests, and arid scrublands and deserts and roosts in bridges, buildings, cliff crevices, caves, mines, and trees. The species' range includes much of California, including the Owens Valley but excluding most of California's deserts. Low to moderate potential to roost in suitable habitat along Segment 1 and alternative alignments.
Ovis canadensis sierrae	Sierra Nevada bighorn sheep	Fed: FE State: SE CDFW: FP SR: S3	Low	Not likely to occur	Not likely to occur	Not likely to occur	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. CNDDB records for Sierra Nevada bighorn sheep all occur in the eastern Sierra Nevada at higher elevations than the Project or alternative alignments. Occurs only in the Sierra Nevada between Yosemite National Park south to Sequoia National Park. Habitat requirements include steep, open terrain free of competition from other grazing ungulates. USFWS designated critical habitat is located within 5 miles east of the Proposed alignment in Segment 1; however, Not likely to occur along the Project or alternative alignments as no suitable habitat is present and the Project is located outside the species' range.

Species Name	Common Name	Regulatory Status	Potential to Occur[2] Segment 1	Potential to Occur Segment 2	Potential to Occur Segment 3N	Potential to Occur Segment 3S	Observations, Habitat, and Distribution
Taxidea taxus	American badger	Fed: None State: None CDFW: SSC SR: S3	Not likely to occur	High	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Several historic to recent CNDDB records within 5 miles of Segments 2, 3N, 3S: south of Inyokern, south of the Rand Mountains, west of Hinkley. An historic CNDDB occurrence mapped to a 1-mile accuracy overlaps Segment 2 in Randsburg. This species is most abundant in open shrub, forest, and herbaceous communities with friable soils; it requires sufficient food, friable soils, and open, uncultivated ground. Potentially suitable habitat for the American badger in areas with friable soils located near Randsburg in the upper Fremont Valley and near Hinkley.
Xerospermophilus mohavensis	Mohave ground squirrel	Fed: None State: ST BLM: S SR: S2	High	High	High	High	Not observed along the Project or alternative alignments, or at reference sites, during Project surveys. Observations of Mohave ground squirrel reported by Leitner (2008, 2015) and CNDDB (1932-2016) mostly near southwestern Owens Lake south to the northern end of North Haiwee Reservoir; west of South Haiwee Reservoir; between Coso Junction and the Inyokern Substation; between the Inyokern Substation and the Coolwater Substation, excluding the higher rocky areas in the El Paso and Rand Mountains. Multiple CNDDB occurrences overlap the Project. Occurs in relatively flat open terrain in Mojave desert scrub, alkali scrub, and Joshua tree woodland between 1,000 feet to 5,000 feet in the Mojave Desert between Owens Lake and Barstow. Potentially suitable burrow and foraging habitat located in relatively flat open terrain along Segment 1, Fossil Hill Alternative alignment, and Segment 2 from the southwestern end of Owens Lake to Inyokern Substation. Potentially suitable burrow and foraging habitat located in relatively flat open terrain along Segments 3N and 3S from Kramer Junction (excluding rocky areas) and east to Barstow.

Table 4-2. Disturbance Acres: Vegetation Communities

Vegetation Community	Segment Acres of Disturbance 1	2	3N	3S	TOTAL	CDFW Sensitive[3]
Woodland Vegetation						
Fremont cottonwood forest (Populus fremontii Forest) Alliance[2]	2.28	0.00	0.00	0.00	2.28	S3.2
Joshua tree woodland (Yucca brevifolia) Woodland Alliance[1,4]	6.65	0.00	0.00	0.00	6.65	S3
Red willow thickets (Salix laevigata) Woodland Alliance[2]	0.13	0.00	0.00	0.00	0.13	S3
Shrubland Vegetation						
Allscale scrub (Atriplex polycarpa) Shrubland Alliance[4,6]	84.83	19.34	9.77	7.54	121.49	S4
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, Atriplex polycarpa Association[4,6]	12.26	1.41	17.63	5.65	36.95	
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, (Atriplex polycarpa) Sparse Playa Association[4,6]	1.28	0.00	0.00	0.00	1.28	S4
Big sagebrush (Artemisia tridentata) Shrubland Alliance[5]	19.14	0.00	0.00	0.00	19.14	
Bitter brush scrub (Purshia tridentata) Shrubland Alliance[5]	0.42	0.00	0.00	0.00	0.42	S3
Black brush scrub (Coleogyne ramosissima) Shrubland Alliance[4,7]	44.64	0.00	0.00	0.00	44.64	S4
Bush seepweed scrub (Suaeda moquinii) Shrubland Alliance	0.00	0.00	0.00	1.29	1.29	S3

Vegetation Community	Segment Acres of Disturbance 1	2	3N	3S	TOTAL	CDFW Sensitive[3]
California joint fir - longleaf joint-fir scrub (Ephedra californica - Ephedra trifurca) Shrubland Alliance, Ephedra californica Association[4,7]	0.00	0.00	0.00	0.86	0.86	S4
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Ambrosia salsola) Association[4,7]	8.46	1.73	0.00	0.28	10.49	S4
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Stephanomeria pauciflora) Provisional Association[4,7]	0.30	0.00	0.00	0.00	0.30	S4
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Ambrosia salsola – Atriplex confertifolia) Association[4,7]	16.50	0.00	0.00	0.00	16.50	S4
Cooper's Goldenbush Scrub (Ericameria cooperi) Provisional Alliance	0.00	5.40	0.00	0.00	5.40	
Creosote bush scrub (Larrea tridentata) Shrubland Alliance[4,6]	2.06	207.30	37.17	28.90	275.44	S5
Creosote bush scrub (Larrea tridentata) Shrubland Alliance, (Larrea tridentata – Atriplex polycarpa) Association[4,6]	0.00	0.00	0.00	2.89	2.89	
Creosote bush - white bursage scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance[4,6]	86.04	43.10	14.11	64.86	208.12	
Creosote bush scrub (Larrea tridentata) Shrubland Alliance, Larrea tridentata - Senna armata Provisionial Association Association[4,6]	0.00	0.00	0.00	0.02	0.02	
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata - Ambrosia dumosa - Psorothamnus (arborescens, fremontii)) Association[4,6]	4.46	0.00	0.00	0.00	4.46	S5
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata - Ambrosia dumosa) Association[4,6]	0.00	9.12	0.00	5.10	14.22	S5
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata – Ambrosia dumosa – Atriplex polycarpa) Association[4,6]	0.54	0.00	0.00	0.00	0.54	
Fourwing saltbush scrub (Atriplex canescens) Shrubland Alliance[4,6]	25.42	0.09	6.72	1.46	33.68	S4
Fourwing saltbush scrub (Atriplex canescens) Shrubland Alliance, Atriplex canescens / herbaceous Association[4,6]	0.00	0.00	0.00	0.10	0.10	S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance	23.34	0.00	0.00	0.00	23.34	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus / Sporobolus airoides) Association	4.54	0.00	0.00	0.00	4.54	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus) Sparse Playa Provisional Association	3.54	0.00	0.00	0.00	3.54	S3S4
Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Ephedra nevadensis - Lycium andersonii - Grayia spinosa) Shrubland Alliance[4,7]	11.69	0.00	0.00	0.00	11.69	S3S4
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex torreyi) Association[5]	1.56	0.00	0.00	0.00	1.56	S4
Rubber rabbitbrush scrub (Ericameria nauseosa) Shrubland Alliance[5]	21.38	15.60	0.00	0.00	36.98	S5
Shadscale scrub (Atriplex confertifolia) Shrubland Alliance[4,6]	11.12	0.00	3.55	5.01	19.68	S4
Shadscale scrub (Atriplex confertifolia) Shrubland Alliance, (Atriplex confertifolia Sparse Playa) Association[4,6]	2.88	0.00	0.00	0.00	2.88	S4.2
Spinescale scrub (Atriplex spinifera) Shrubland Alliance[4,6]	0.00	68.51	25.19	10.62	104.32	S3
Sandbar willow thickets (Salix exigua) Shrubland Alliance[2]	0.81	0.00	0.00	0.00	0.81	S4.2
Smokebush desert wash scrub (Psorothamnus (fremontii, polydenius)) Provisional Shrubland Alliance[5]	3.46	0.00	0.00	0.00	3.46	S3
Spiny menodora scrub (Menodora spinescens) Shrubland Alliance[5]	0.66	0.00	0.00	0.00	0.66	S3
Tamarisk thickets (Tamarix spp. Semi-natural Shrubland Stands) Shrubland Alliance	0.00	0.00	1.07	0.58	1.65	
White bursage scrub (Ambrosia dumosa) Shrubland Alliance[4,6]	47.49	0.00	1.73	6.03	55.24	S5
Winterfat scrubland (Krascheninnikovia lanata) Shrubland Alliance[5]	0.00	0.83	0.00	0.00	0.83	S3
Herbaceous Vegetation						
Alkali sacaton grassland (Sporobolus airoides) Herbaceous Alliance	0.04	0.00	0.00	0.00	0.04	S2.2
Baltic and Mexican rush marshes (Juncus arcticus (var. balticus, mexicanus)) Herbaceous Alliance	12.70	0.00	0.00	0.00	12.70	S4

Vegetation Community	Segment Acres of Disturbance 1	2	3N	3S	TOTAL	CDFW Sensitive[3]
Big galleta shrub-steppe (Pleuraphis rigida) Herbaceous Alliance, Pleuraphis rigida/Atriplex canescens Association[4,6]	0.00	0.00	0.39	0.00	0.39	S2.2
Cheatgrass - medusahead grassland (Bromus tectorum - Taeniatherum caput-medusae Semi-natural Herbaceous Stands) Alliance, (Bromus tectorum) Association	10.09	0.00	0.00	0.00	10.09	
Salt grass flats (Distichlis spicata) Herbaceous Alliance	9.16	0.00	0.00	0.00	9.16	S4
Sparsely vegetated playa Herbaceous Alliance, Sparsely vegetated playa / herbaceous Association	0.00	0.00	0.00	0.01	0.01	
Red brome or Mediterranean grass grasslands (Bromus rubens-Schismus (arabicus, barbatus)) Semi-natural Herbaceous Stands Herbaceous Alliance[4,6]	0.00	0.00	0.00	0.68	0.68	
Wire Lettuce - Brittle Spineflower Lava Flows (Stephanomeria pauciflora - Chorizanthe brevicornu) Lava Fields Provisional Alliance	1.68	0.00	0.00	0.00	1.68	S4
Yerba mansa - Nutall's sunflower - Nevada goldenrod alkaline wet meadows (Anemopsis californica - Helianthus nuttallii - Solidago spectabilis) Herbaceous Alliance, (Anemopsis californica) Provisional Association	0.19	0.00	0.00	0.00	0.19	S2
SUB TOTAL VEGETATION	481.71	372.44	117.33	141.90	1,113.38	
Other Land Use or Cover						
Active Agriculture	4.57	0.00	0.00	0.00	4.57	
Barren[6]	0.00	0.49	0.53	2.46	3.48	
Disturbed[6]	3.88	11.56	0.34	1.21	17.00	
Developed	56.42	61.27	34.22	23.50	175.40	
Ornamental/Landscaped	3.15	0.00	0.00	0.00	3.15	
Unvegetated Wash or River Bottom	0.00	0.00	0.10	0.78	0.89	
TOTAL	549.73	445.76	152.52	169.85	1,317.86	

NOTES: For Mitigation Measure BIO-1d (Compensation for habitat loss)
1: Joshua Tree Woodland (6.65 acres)
2: Riparian Thickets and Forests (3.22 acres)
3: Sensitive Natural Communities (S1-S3) (163.77 acres)
4: Desert Scrub (suitable for desert tortoise) (973.48 acres)
5: Desert Scrub (marginal for desert tortoise) (63.05 acres)
6: Western burrowing owl (suitable) (902.84 acres)
7: Western burrowing owl (marginal) (84.46 acres)

Table 4-3. Western Joshua Tree in Survey Area

	Number of Joshua Trees				
Western Joshua Trees	**Segment 1**	**Segment 2**	**Segment 3N**	**Segment 3S**	**Total**
Total Survey Area	5,823	0	179	4	6,006
Dead					
Branched	34	0	89	0	123
Not Branched	143	0	36	0	179
Live					
Branched	964	0	30	4	998
Not Branched	4,682	0	24	0	4,706

Table 4-4. Disturbance Acres: Critical Habitat and Conservation Areas

	Segment Acres of Disturbance				
Species	**1**	**2**	**3N**	**3S**	**TOTAL**
USFWS Desert Tortoise Critical Habitat (CH)	0.00	100.63	79.55	70.62	250.80
BLM Mohave Ground Squirrel (MGS) Conservation Area	34.17	255.44	98.31	68.35	456.27

Table 4-5. Disturbance Acres: Jurisdictional Waters

	Segment Acres of Disturbance				
Jurisdictional Feature	**1[1]**	**2**	**3N[2]**	**3S[2]**	**TOTAL[3]**
USACE/RWQCB Jurisdiction					
Other Waters	1.12	1.66	0.95	2.70	6.43
Wetlands	21.74	0.00	0.00	0.00	21.74
CDFW Jurisdiction					
Other Waters	2.31	3.44	2.18	3.77	11.70
Wetlands	21.74	0.00	0.00	0.00	21.74

1: Wetland habitats that occur in Segment 1 include emergent freshwater wetlands, scrub-shrub wetlands, and forested/woodland wetlands.
2: Potentially jurisdictional waters in Segments 3N and 3S are classified as non-vegetated rivers, streams, and washes, consisting of ephemeral dry washes that carry water for short periods of time as the result of seasonal precipitation. There are no major surface waters in Segments 3N and 3S.
3: Total acres of jurisdiction subject to updated jurisdictional delineation

ALTERNATIVES

Table 4-6. Disturbance Acres: Alternatives Vegetation Communities

a. Crater Mountain Realignment Alternative

Vegetation Community	Acres of Disturbance		CDFW Sensitive
	Segment 1 (Proposed Structure 171 to 279C)	Crater Mountain Realignment Alternative	
Actons and Virgin River brittle brush - Net-veined goldeneye scrub (Encelia (actonii, virginensis) - Viguiera reticulata) Shrubland Alliance, Encelia actoni Association	0.00	0.0001	S3
Alkali sacaton grassland (Sporobolus airoides) Herbaceous Alliance	1.05	0.72	S2.2
Allscale scrub (Atriplex polycarpa) Shrubland Alliance	13.26	6.67	S4
Baltic and Mexican rush marshes (Juncus arcticus (var. balticus, mexicanus)) Herbaceous Alliance	0.36	0.36	S4
Barren	0.03	0.03	
Big sagebrush (Artemisia tridentata) Shrubland Alliance	1.48	1.34	
Big sagebrush (Artemisia tridentata) Shrubland Alliance, (Artemisia tridentata – Ericameria nauseosa) Association	0.00	13.94	
Big sagebrush (Artemisia tridentata) Shrubland Alliance, (Artemisia tridentata / Distichlis spicata) Association	0.00	4.10	S3
Big sagebrush (Artemisia tridentata) Shrubland Alliance, Ericameria nauseosa / Bromus tectorum) Association	3.31	3.31	
Black willow thickets (Salix gooddingii) Woodland Alliance	0.09	0.09	S3
California buckwheat - Parish's goldeneye scrub (Eriogonum fasciculatum - Viguiera parishii) Shrubland Alliance, (Eriogonum fasciculatum rock outcrop) Association	0.00	0.29	S4
California buckwheat scrub (Eriogonum fasciculatum) Shrubland Alliance	0.00	1.25	S5
Cheatgrass - medusahead grassland (Bromus tectorum - Taeniatherum caput-medusae Semi-natural Herbaceous Stands) Alliance, (Bromus tectorum) Association	3.23	1.54	
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Ambrosia salsola) Association	0.95	4.37	S4
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Stephanomeria pauciflora) Provisional Association	2.07	2.52	S4
Common reed marshes (Phragmites australis) Herbaceous Alliance	0.05	0.05	
Developed	8.99	9.04	
Disturbed	3.95	3.95	
Fourwing saltbush scrub (Atriplex canescens) Shrubland Alliance	4.82	13.98	S4
Fremont cottonwood forest and woodland (Populus fremontii – Fraxinus velutina – Salix gooddingii) Woodland Alliance, (Populus fremontii / Salix exigua) Association	0.00	0.004	S3
Fremont's smokebush – Nevada smokebush scrub (Psorothamnus fremontii - Psorothamnus polydenius) Shrubland Alliance, (Psorothamnus arborescens) Provisional Association	8.51	15.10	S3

Vegetation Community	Acres of Disturbance		CDFW Sensitive
	Segment 1 (Proposed Structure 171 to 279C)	Crater Mountain Realignment Alternative	
Fremont's smokebush – Nevada smokebush scrub (Psorothamnus fremontii - Psorothamnus polydenius) Shrubland Alliance, (Psorothamnus arborescens – Atriplex confertifolia – Tetradymia spp.) Association	0.00	0.24	S3
Fremont's smokebush – Nevada smokebush scrub (Psorothamnus fremontii - Psorothamnus polydenius) Shrubland Alliance, (Psorothamnus polydenius – (Psorothamnus arborescens)) Association	0.00	13.75	S3
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance	8.03	4.88	
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus – Atriplex confertifolia – (Picrothamnus desertorum, Suaeda moquinii)) Association	0.00	4.55	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus / Sporobolus airoides) Association	0.00	1.56	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus) Sparse Playa Provisional Association	0.72	0.68	S3S4
Hardstem bulrush marsh (Schoenoplectus acutus) Herbaceous Alliance	0.01	0.01	S3
Needleleaf rabbitbrush scrub (Ericameria teretifolia) Shrubland Alliance, (Ericameria teretifolia) Association	0.47	0.47	
Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Ephedra nevadensis - Lycium andersonii - Grayia spinosa) Shrubland Alliance	4.70	3.79	S3S4
Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Ephedra nevadensis - Lycium andersonii - Grayia spinosa) Shrubland Alliance, (Ephedra nevadensis – Ericameria cooperi) Association	0.00	2.04	S3S4
Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Ephedra nevadensis - Lycium andersonii - Grayia spinosa) Shrubland Alliance, (Ephedra nevadensis – Ericameria teretifolia) Association	3.40	3.07	S3S4
Open Water	0.02	0.02	
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex lentiformis/Sporobolus airoides) Provisional Association	0.42	0.42	S4
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex torreyi / Distichlis spicata – Sporobolus airoides) Provisional Association	0.00	0.53	S4
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex torreyi) Association	4.18	3.64	S4
Rigid spineflower - hairy desert sunflower (Chorizanthe rigida - Geraea canescens) Desert Pavement Sparsely Vegetated Alliance, (Chorizanthe brevicornu – Stephanomeria pauciflora) Provisional Association	0.71	3.93	S4
Rubber rabbitbrush scrub (Ericameria nauseosa) Shrubland Alliance	4.40	4.21	S5
Russianthistle - dyers woad - fivehook bassia fields (Salsola tragus - Isitis - Bassia sp.) Herbaceous Semi-Natural Alliance	1.04	1.04	
Salt grass flats (Distichlis spicata) Herbaceous Alliance	0.52	0.39	S4

Vegetation Community	Acres of Disturbance: Segment 1 (Proposed Structure 171 to 279C)	Acres of Disturbance: Crater Mountain Realignment Alternative	CDFW Sensitive
Salt grass flats (Distichlis spicata) Herbaceous Alliance, (Distichlis spicata - Sporobolus airoidesl) Provisional Association	0.35	0.24	S4
Sandbar willow thickets (Salix exigua) Shrubland Alliance	0.04	0.04	S4.2
Shadscale scrub (Atriplex confertifolia) Shrubland Alliance	15.08	13.23	S4.2
Smokebush desert wash scrub (Psorothamnus (fremontii, polydenius)) Provisional Shrubland Alliance	6.20	5.07	S3
Spinescale scrub (Atriplex spinifera) Shrubland Alliance	2.60	2.06	S4.2
Water birch thicket (Betula occidentalis) Shrubland Alliance	0.06	0.06	S3
Wire Lettuce - Brittle Spineflower Lava Flows (Stephanomeria pauciflora - Chorizanthe brevicornu) Lava Fields Provisional Alliance	1.22	1.20	S4
Yerba mansa - Nutall's sunflower - Nevada goldenrod alkaline wet meadows (Anemopsis californica - Helianthus nuttallii - Solidago spectabilis) Herbaceous Alliance, (Anemopsis californica) Provisional Association	0.01	0.01	S2
TOTAL	**106.30**	**153.76**	

b. Manzanar Realignment Alternative

Vegetation Community	Acres of Disturbance: Segment 1 (Proposed Structure 279C to 527)	Acres of Disturbance: Manzanar Realignment Alternative	CDFW Sensitive
Active Agriculture	0.67	0.67	
Alkali sacaton - scratchgrass - alkali cordgrass alkaline wet meadow (Sporobolus airoides – Muhlenbergia asperifolia – Spartina gracilis) Herbaceous Alliance, Sporobolus airoides – Distichlis spicata Association	0.00	1.89	S2
Alkali sacaton grassland (Sporobolus airoides) Herbaceous Alliance	9.64	6.58	S2.2
Allscale scrub (Atriplex polycarpa) Shrubland Alliance	3.93	2.48	S4
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, (Atriplex polycarpa) Sparse Playa Association	0.00	1.02	
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, Atriplex polycarpa Association	5.57	6.03	
Baltic and Mexican rush marshes (Juncus arcticus (var. balticus, mexicanus)) Herbaceous Alliance	11.46	7.37	S4
Barren	0.00	0.04	
Basket bush - river hawthorn - desert olive patches (Rhus trilobata - Crataegus rivularis - Forestiera pubescens) Shrubland Alliance, (Forestiera pubescens) Provisional Association	0.0001	0.0001	S1S2
Big sagebrush (Artemisia tridentata) Shrubland Alliance	2.59	1.84	
Big sagebrush (Artemisia tridentata) Shrubland Alliance, (Artemisia tridentata – Ericameria nauseosa) Association	0.00	0.93	
Black willow thickets (Salix gooddingii) Woodland Alliance	0.000003	0.000003	S3
Bush seepweed scrub (Suaeda moquinii) Shrubland Alliance	0.20	0.57	S3

Vegetation Community	Acres of Disturbance		CDFW Sensitive
	Segment 1 (Proposed Structure 279C to 527)	Manzanar Realignment Alternative	
Cattail marshes (Typha (angustifolia, domingensis, latifolia)) Herbaceous Alliance	0.15	0.15	
Common and giant reed marshes (Phragmites australis – Arundo donax) Herbaceous Semi-Natural Alliance, (Phragmites australis) Western Ruderal Association	0.00	0.04	
Developed	28.65	26.07	
Disturbed	1.56	1.56	
Fourwing saltbush scrub (Atriplex canescens) Shrubland Alliance	0.40	0.91	S4
Fremont's smokebush – Nevada smokebush scrub (Psorothamnus fremontii - Psorothamnus polydenius) Shrubland Alliance, (Psorothamnus arborescens – Atriplex confertifolia – Tetradymia spp.) Association	0.00	2.83	S3
Fremont's smokebush – Nevada smokebush scrub (Psorothamnus fremontii - Psorothamnus polydenius) Shrubland Alliance, (Psorothamnus arborescens) Provisional Association	0.78	0.59	S3
Goodding's willow – red willow riparian woodland and forest (Salix gooddingii - Salix laevigata) Woodland Alliance, (Salix gooddingii) Association	0.00	0.30	S3
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance	28.91	22.38	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus – Atriplex confertifolia – (Picrothamnus desertorum, Suaeda moquinii)) Association	1.11	9.75	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus – Suaeda moquinii) Association	0.00	47.52	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus / Distichlis spicata) Association	0.00	6.14	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus / Sporobolus airoides) Association	0.12	0.83	S3S4
Greasewood scrub (Sarcobatus vermiculatus) Shrubland Alliance, (Sarcobatus vermiculatus) Association	1.35	15.50	S3S4
Hardstem and California bulrush marshes (Schoenoplectus (acutus, californicus)) Herbaceous Alliance, (Schoenoplectus (acutus, californicus) – Typha (angustifolia, latifolia)) Association	0.00	0.03	S3S4
Iodine bush scrub (Allenrolfea occidentalis) Shrubland Alliance, (Allenrolfea occidentalis / Distichlis spicata) Association	0.00	0.09	S3
Mesquite thickets (Prosopis glandulosa - Prosopis velutina - Prosopis pubescens) Woodland Alliance, (Prosopis pubescens [glandulosa] / (Atriplex spp. – Suaeda moquinii)) Association	0.00	0.24	S3
Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Ephedra nevadensis - Lycium andersonii - Grayia spinosa) Shrubland Alliance	0.90	0.67	S3S4
Open Water	1.25	1.25	

Vegetation Community	Acres of Disturbance: Segment 1 (Proposed Structure 279C to 527)	Acres of Disturbance: Manzanar Realignment Alternative	CDFW Sensitive
Ornamental/Landscaped	0.02	0.02	
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex torreyi / Distichlis spicata – Sporobolus airoides) Provisional Association	0.38	2.87	S4
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex torreyi) Association	28.20	22.46	S4
Rubber rabbitbrush scrub (Ericameria nauseosa) Shrubland Alliance	25.57	19.92	
Rubber rabbitbrush scrub (Ericameria nauseosa) Shrubland Alliance, (Ericameria nauseosa – Atriplex torreyi) Association	0.00	0.06	S5
Rubber rabbitbrush scrub (Ericameria nauseosa) Shrubland Alliance, (Ericameria nauseosa / Sporobolus airoides) Association	0.00	1.59	S5
Russianthistle - dyers woad - fivehook bassia fields (Salsola tragus - Isitis - Bassia sp.) Herbaceous Semi-Natural Alliance	2.67	2.67	
Salt grass flats (Distichlis spicata) Herbaceous Alliance	4.12	3.37	S4
Salt grass flats (Distichlis spicata) Herbaceous Alliance, (Sarcobatus vermiculatus) Association	0.00	1.28	S4
Sandbar willow thickets (Salix exigua) Shrubland Alliance	0.67	0.62	S2
Shadscale scrub (Atriplex confertifolia) Shrubland Alliance	36.67	37.37	S4
Smokebush desert wash scrub (Psorothamnus (fremontii, polydenius)) Provisional Shrubland Alliance	2.55	0.65	S3
Spinescale scrub (Atriplex spinifera) Shrubland Alliance	6.57	5.27	S4.2
Tamarisk thickets (Tamarix spp. Semi-natural Shrubland Stands) Shrubland Alliance	9.14	17.79	
White bursage scrub (Ambrosia dumosa) Shrubland Alliance	2.04	21.81	S5
TOTAL	**218.59**	**304.02**	

c. Fossil Falls Realignment Alternative

Vegetation Community	Acres of Disturbance: Segment 1 (Proposed Structure 815 to 936)	Acres of Disturbance: Fossil Falls Realignment Alternative	CDFW Sensitive
Actons and Virgin River brittle brush - Net-veined goldeneye scrub (Encelia (actonii, virginensis) - Viguiera reticulata) Shrubland Alliance, Encelia actoni Association	0.00	0.05	S3
Allscale scrub (Atriplex polycarpa) Shrubland Alliance	18.69	19.94	S4
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, (Atriplex polycarpa- Ambrosia salsola) Association	3.06	2.37	S4
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, (Atriplex polycarpa) Sparse Playa Association	10.08	6.65	S4
Allscale scrub (Atriplex polycarpa) Shrubland Alliance, Atriplex polycarpa Association	4.88	17.27	
Cattail marshes (Typha (angustifolia, domingensis, latifolia)) Herbaceous Alliance, (Typha angustifolia – Distichlis spicata) Association	0.48	0.48	

Vegetation Community	Acres of Disturbance		CDFW Sensitive
	Segment 1 (Proposed Structure 815 to 936)	Fossil Falls Realignment Alternative	
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Ambrosia salsola – Atriplex confertifolia) Association	0.63	0.56	S4
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Ambrosia salsola – Larrea tridentata) Association	0.00	0.36	
Cheesebush - sweetbush scrub (Ambrosia salsola - Bebbia juncea) Shrubland Alliance, (Ambrosia salsola) Association	0.17	0.15	S4
Creosote bush - white bursage scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance	25.31	18.90	
Creosote bush scrub (Larrea tridentata) Shrubland Alliance	1.40	1.35	
Creosote bush scrub (Larrea tridentata) Shrubland Alliance, (Larrea tridentata – Atriplex polycarpa) Association	3.56	3.03	
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata – Ambrosia dumosa – Atriplex polycarpa) Association	1.50	32.92	
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata – Ambrosia dumosa – Ericameria cooperi) Association	0.00	13.97	
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata - Ambrosia dumosa - Psorothamnus (arborescens, fremontii)) Association	0.00	2.65	S5
Creosote bush scrub (Larrea tridentata-Ambrosia dumosa) Shrubland Alliance, (Larrea tridentata - Ambrosia dumosa) Association	0.00	8.03	S5
Developed	12.12	12.66	
Fiddleneck - Phacelia Fields (Amsinckia (menziesii, tessellata) - Phacelia spp.) Herbaceous Alliance, (Amsinckia tessellata – Erodium cicutarium) Association	0.00	3.89	S5
Fourwing saltbush scrub (Atriplex canescens) Shrubland Alliance	3.87	2.64	S4
Joshua tree woodland (Yucca brevifolia) Woodland Forest Woodland Alliance, Yucca brevifolia / Larrea tridentata - Ambrosia dumosa Association	0.00	2.97	S3
Joshua tree woodland (Yucca brevifolia) Woodland Alliance	1.68	1.00	S3
Open Water	0.11	0.11	
Quailbush scrub (Atriplex lentiformis) Shrubland Alliance, (Atriplex torreyi) Association	1.88	1.81	S4
Salt grass flats (Distichlis spicata) Herbaceous Alliance	0.77	0.58	S4
White bursage scrub (Ambrosia dumosa) Shrubland Alliance	14.62	29.66	S5
Yerba mansa - Nutall's sunflower - Nevada goldenrod alkaline wet meadows (Anemopsis californica - Helianthus nuttallii - Solidago spectabilis) Herbaceous Alliance, (Anemopsis californica) Provisional Association	0.30	0.25	S2
Yerba mansa - Nutall's sunflower - Nevada goldenrod alkaline wet meadows (Anemopsis californica - Helianthus nuttallii -Solidago spectabilis) Herbaceous Alliance, (Anemopsis californica –Juncus arcticus var. mexicanus) Association	0.20	0.20	S2
TOTAL	**105.31**	**184.44**	

Table 4-7. Disturbance Acres: Alternatives Conservation Areas

a. Fossil Falls Realignment Alternative

	Acres of Disturbance	
Species	**Segment 1 (Proposed Structure 815 to 936)**	**Fossil Falls Realignment Alternative**
BLM Mohave Ground Squirrel (MGS) Conservation Area	37.09	80.49

Table 4-8. Western Joshua Tree in Alternative Areas

a. Fossil Falls Realignment Alternative

Western Joshua Trees	**Total**
Total Survey Area	1,305
Dead	
Branched	15
Not Branched	33
Live	
Branched	230
Not Branched	1,027

Table 4-9. Disturbance Acres: Alternatives Jurisdictional Waters

a. Crater Mountain Realignment Alternative

	Acres of Disturbance	
Jurisdictional Feature	**Segment 1 (Proposed Structure 171 to 279C)**	**Crater Mountain Realignment Alternative**
USACE/RWQCB Jurisdiction		
Other Waters	0.34	1.69
Wetlands	9.60	8.25
CDFW Jurisdiction		
Other Waters	0.57	2.31
Wetlands	9.60	8.28

b. Manzanar Realignment Alternative

	Acres of Disturbance	
Jurisdictional Feature	**Segment 1 (Proposed Structure 279C to 527)**	**Manzanar Realignment Alternative**
USACE/RWQCB Jurisdiction		
Other Waters	0.84	8.20
Wetlands	26.61	23.92
CDFW Jurisdiction		
Other Waters	1.35	9.22
Wetlands	26.61	24.09

c. Fossil Falls Realignment Alternative

Jurisdictional Feature	Acres of Disturbance	
	Segment 1 (Proposed Structure 815 to 936)	Fossil Falls Realignment Alternative
USACE/RWQCB Jurisdiction		
Other Waters	0.32	0.77
Wetlands	2.80	2.06
CDFW Jurisdiction		
Other Waters	1.32	2.25
Wetlands	2.80	2.06

Appendix 5A

CULTURAL RESOURCES

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APPENDIX 5A: CULTURAL RESOURCES

The data presented in this appendix supports the analysis of cultural resources and tribal cultural resources in the EIR.

Cultural Resources Data for the Proposed Project

Tables Ap.5-1 through Ap.5-4 are referenced in EIR Section C.6, Cultural Resources. These tables present the details for all cultural resources identified in surveys and studies for the Proposed Project. For each of the four project segments, these tables present:

- The resource number
- Land ownership
- Resource age (precontact, historic, or Multi-component)
- Resource type (using types defined in Section 3.6)
- Site description
- CPUC eligibility determination for the California Register of Historic Resources.
- Impact description (explaining how the resource would be affected by SCE construction activities).

Tables Ap.5-5 through Ap.5-7 present data on built environment resources; each table contains information for all four project segments.

Tribal Cultural Resources Data: Owens Valley Landscape

Table Ap.5-8 presents the precontact resources within the Owens Valley Landscape, which is defined in EIR Section 3.7 (Tribal Cultural Resources).

Cultural Resources Data for the Alternatives

Tables Ap.5-9 through Ap.5-14 present resource data for the alternatives, in the format described above for the Proposed Project.

CULTURAL RESOURCES DATA FOR THE PROPOSED PROJECT

Table Ap.5-1 presents all of the cultural resources in Segment 1 (primarily Inyo County). All of the precontact resources in Segment 1 are within the Owens Valley Landscape. The precontact resources within the Owens Valley Landscape are also presented in Table Ap.5-7.

Table Ap.5-1. Proposed Project Cultural Resources: Segment 1

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-000004/ CA-INY-4	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: 27 pieces of obsidian debitage, Gypsum Cluster projectile point, retouched Elko Eared point, obsidian biface midsection, granitic unifacial mano, granitic milling slick, Owens Valley Brown Ware body sherd, burned (likely faunal) bone fragment. Early Archaic period/Little Lake phase to Marana period (4000 cal BP to historic contact). Historic Component: 198 whole cans and 59 crushed cans. Most are sanitary cans, with church-key, cut-around, and knife openings. Aerosol cans, Sir Walter Raleigh tobacco can, a few motor oil cans, and a few bi-metal cans also present. Over 1,980 glass fragments were observed, including colorless, amber, aqua, sun-colored amethyst, and green glass. 13 bottle bases recorded with maker's marks representing 10 manufacturers. American Period (1904 to 1967).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated demolition site. Install 2 new TSP monopole structures and associated work areas (1 is located within site boundaries and 1 is within 5 m of the northwestern edge), 2 guard structures, and existing access road will be graded as needed and a segment of paved road (existing) is slated for medium improvements.
P-14-000010/ CA-INY-10 (incl. P-14-000091/ CA-INY-91)	LADWP; Private	Multi-component with protohistoric artifacts	Precontact: Habitation area. Historic: Refuse and discard.	Precontact Component: Fish Springs Site. Lithic scatter with 40,000-plus pieces of obsidian debitage, 89 petroglyph features, 43 bedrock milling features, rock wall, cleared area, four possible house pits, earthen depression, rock ring with milling slick, single reduction locus, shell deposit. Early Archaic to Marana periods (ca. 10,000 cal BP to historic contact). Protohistoric flaked dark olive bottle base, shell bead, an unworked bivalve shell, and two cobalt blue hexagonal glass trade beads. Trade beads date between 1700 and 1850. Historic Component: Concrete well feature, historic carved graffiti, 2 refuse scatters. Historic artifacts: Survey marker and refuse scatter with beverage cans, oil cans, glass bottle fragments, ceramic fragments, and milled wood fragments. American Period (1908 to 1976).	Precontact: Eligible individually under Criteria 1, 2, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criteria 1 and 2.	Remove and replace existing OH subtransmission and telecom lines. Remove 3 lattice steel structures and their associated demolition sites, 2 demolition pull sites, Install 3 new TSP multi-pole suspension structures and 1 new TSP monopole structure and associated work areas, 3 shunt removal sites, and 3 segments of existing unpaved access road to be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-000092/ CA-INY-0092	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Lithic scatter. Two projectile points (Fish Slough side-notched point, Northern side-notched point), an Owens Valley Brown Ware body sherd, 10 obsidian flakes. Early and Late Archaic Period (7500 BP – 6400 BP and 3800 BP – 1280 BP) and Marana period (610 cal BP to historic contact). No obsidian hydration date returned.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 existing steel lattice structure and associated work area and Install 1 new TSP monopole structure to be installed 9 m south of the site.
P-14-000111/ CA-INY-111	LADWP; BLM Bishop FO; Private	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Twenty-three petroglyph panels, two single reduction loci, five bedrock milling stations. Owens Valley Brown Ware, Desert Side-Notched point, possible Western Triangular points, obsidian bifacial tools, granite manos, micaceous schist ground stone fragments, cores, a tested cobble, fire-affected basalt cobble. Obsidian scatter with some basalt of 100-plus pieces. Marana period (610 cal BP to historic contact). Historic Component: Two barbed wire fence features and a refuse scatter. 345+ cans, 85+ glass shards (amber, colorless, aqua, green, olive), five bottle bases with maker's marks, ten pieces of stoneware ceramic, eight porcelain tableware fragments, three earthenware fragments. American Period (1887 to 1967).	Precontact: Eligible individually under Criteria 1, 2, 3 and 4, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criteria 1 and 2.	Remove and replace existing OH subtransmission and telecom lines. Remove 3 lattice steel structures and their associated demolition sites, 2 demolition pull sites, Install 3 new TSP multi-pole suspension structures and 1 new TSP monopole structure and associated work areas, 3 shunt removal sites, and 3 segments of existing unpaved access road to be graded and improved as needed.
P-14-000182/ CA-INY-182H	BLM Ridgecrest FO; Private	Multi-component with protohistoric artifacts	Precontact: Habitation Area. Historic: Refuse and discard.	Precontact Component: Stahl Site. 45 bedrock milling features, 31 petroglyph/pictograph panels, two rockshelters, and three other Precontact features. 24 biface or biface fragments, 15 edge-modified or utilized flakes, six scrapers, five projectile points (of which four are Pinto points), one spokeshave, one drill, 19 frag-ments of ground stone (of which 14 are metates, two are manos, and one is a battered stone), 3 ceramics. Hundreds of thousands of artifacts were observed at the site. Nine protohistoric cobalt hexagonal beads. Early Archaic to Marana periods (ca. 10,000 cal BP to historic contact). Historic Component: Square hearth, wrecked early twentieth century car. Crown-cap bottle lid, charcoal, and a few fragments of milled lumber. American Period (1887 to 1967).	Precontact: Listed. Eligible individually under Criteria 1, 3 and 4, eligible as contributor to Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and their associated demolition sites. Install 2 new TSP monopole structures and associated work areas, 2 pull sites, and existing unpaved access road that will be graded and improved as needed.
P-14-000271/ CA-INY-271	Private	Precontact	Precontact: Residential base.	Hunting blind, a rockshelter, hunting blind, bedrock milling features, rock art, artifact scatter with obsidian lithics. Over 1,000 artifacts. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact).	Precontact: Eligible individually under Criteria 1, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Install 1 new TSP monopole structure and associated work area. Existing

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						unpaved access road segment that will be graded and improved as needed.
P-14-000328/ CA-INY-328	LADWP, BLM Bishop FO; Private	Multi-component	Precontact: Residential base. Historic: Homestead/ farm/ranch resource.	Precontact Component: Possible hearths. Three shell beads, one stone bead, 2660+ pieces of debitage, cores and core tools, blank, drill, flaked tools, handstones, 765+ pieces of faunal bone, charcoal, shells, ceramics, FAR, fragments of steatite vessels, pumice artifacts. Desert Side-Notched, Cottonwood Triangular, Rose Spring, Elko, Pinto, stemmed and side-notched projectile points, Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact). Historic Component: Concrete well feature, survey marker, possible fire pit, refuse scatter, cabin. American Period (1920s to 1950s). Associated with McIrvin Homestead.	Precontact: Eligible individually under Criteria 1 and 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 9 structures and associated work areas. Install 3 new TSP multi-pole structures, 3 new TSP monopole structures and associated work areas. 4 pull sites, 3 shunt removal sites, and existing access roads that will be graded and improved as needed.
P-14-000371/ CA-INY-371H	BLM Bishop FO; CSLC; LADWP; Private	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Four bedrock mortars, four bedrock milling slicks, one stone feature. Seven manos, three metates, four edge-modified flakes, three bifaces, Rose Spring Corner-Notched projectile point, Owens Valley Brown Ware, 470+ obsidian/Chert flakes. Middle Archaic through the Marana periods (3800 cal B.P. to historic contact). Historic Component: 200+ glass bottle body and finish fragments. Nine bottle bases with maker's marks, nine cans. American Period (1887 to 1966).	Precontact: Eligible individually under Criteria 1 and 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of five lattice steel structures with demolition sites, installation of one TSP multi-poles and two TSP monopoles, three structure work areas, six demolition sites, six shunt removal sites, and the unpaved access road will be graded and improved as needed.
P-14-001317/ CA-INY-1317	BLM Bishop FO; CSLC; LADWP; Private	Multi-component with protohistoric artifacts	Precontact: Residential base. Historic: Homestead/ farm/ranch resource.	Precontact Component: Six bedrock mortars, nine slicks, three basins, cupules. Rock ring, two rock cairns. Cottonwood, Elko, Humboldt, and Rose Spring projectile points, Owens Valley Brown Ware, bone tools and ornaments, incised stone, beads (glass, shell, stone), fire-cracked rock, animal bone, shell. Portable metates, manos, ground stone (bowl mortar, mano, milling slab fragments), biface tools and fragments, obsidian biface, 1,000+ flakes (primarily obsidian with some CCS, rhyolite, quartzite, basalt). Early Archaic through Marana periods (ca. 8000 cal BP to historic contact). Three different types of protohistoric glass beads.	Precontact: Listed. Eligible individually under Criteria 1, 3 and 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to	Project components within the site boundary established by Far Western include removal of nine structures (seven of which are lattice steel) with associated demolition sites, installation of three TSP multi-poles, two TSP monopoles seven structure work areas, four pull sites, two demolition pull sites, two guard sites, two pull sites, 10 shunt removal sites, and the existing

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Historic Component: Wood-lined pit and scatters of refuse (glass fragments, cans, ceramics, miscellaneous domestic and industrial refuse). American Period (1820s to present).	the Patsiata Historic District under Criteria 1, 2, 3 and 4.	access road that is slated for heavy improvement.
P-14-001471/ CA-INY-1471/H	BLM Ridgecrest FO; Private	Multi-component	Precontact: Residential base. Historic: Mining resource, Refuse and discard.	Precontact Component: Lithic scatter, 3 lithic sample areas, rock alignment. Bifaces, 2 obsidian edge-modified flakes, early-stage obsidian biface fragment, ground stone (bowl mortar, mano, milling slab fragments), and debitage were widespread and included 1,000-plus obsidian flakes with a lesser amount of CCS, rhyolite, quartzite, and possibly basalt. Early Archaic to Marana period (ca. 8000 cal BP, and through to historic contact). Historic Component: Potential mining claim. 17 crushed cans and 74 whole cans, 1902 U.S. Liberty Head "V" 5-cent piece, 2 glass bottles with maker's marks. American Period (post-1820s).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary include removal of one lattice steel suspension structure with an associated demolition area, installation of one TSP monopole with an associated work area, two shunt removal sites, and the access road that will be graded and improved as needed.
P-14-001473/ CA-INY-1473H	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Homestead/ farm/ranch resource.	Precontact Component: Bedrock milling slick on a basalt bedrock outcrop. At least 10 flakes, one Rose Spring projectile point. Haiwee period (1280 to 610 cal BP). Historic Component: Four-sided rock wall foundation, two-sided rock wall foundation, refuse scatter. 150-plus cans, at least 25 shards of aqua, clear, milk, and green glass bottle and jar glass fragments; 13 sun-colored amethyst glass shards; approximately 10 metal nails; eight historic-era whiteware ceramic sherds; and one metal screw-top jar. American Period (1904 to 1967).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	The existing subtransmission alignment line (Remove, OH), the proposed subtransmission alignment (New, OH), the proposed telecom alignment (New, OH), and an existing access road which skirts the northwestern site boundary. Although the access road may require grading or other improvements, the overhead subtransmission alignment and telecom alignment lines do not require ground disturbance within the site boundary, since there are no existing or proposed structures, or other work areas proposed in this location; the overhead project components would span the site.
P-14-001474	BLM Ridgecrest FO	Historic	Historic: Rock feature.	30 m long rock alignment consisting of two to three courses of rocks, intersecting rock alignment. One can. American Period (pre-1947).	Historic: Ineligible.	Unpaved access road will be graded and improved as needed.
P-14-001496/ CA-INY-1496	BLM Bishop FO; CSLC; Private	Precontact with historic isolate	Precontact: Temporary camp.	Four milling stations, lithic tools, 14 obsidian flakes, ground stone. Historic Isolate: Three isolated historic-era church-key opened cans.	Precontact: Eligible individually under Criterion 4, eligible as a contributor to the Patsiata Historic District under Criteria	Existing access road intersects the site. This existing access road may require grading or other improvements.

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					1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	
P-14-001873/ CA-INY-1873 (incl. P-14-009424, P-14-009425, P-14-009426, P-14-009427/ CA-INY-7349, CA-INY-7350, CA-INY-7351, CA-INY-7352)	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Early to late-stage lithic reduction scatter of several hundred artifacts, including edge-modified flakes (n=11), bifaces (n=2), ground stone (n=2), cores, and core reduction flakes. Based on previously documented diagnostic projectile points, possibly Paleoindian (ca. 13,500 to 12,900 cal BP) and Haiwee period (1280 to 610 cal BP). Historic Component: Two glass bottle bases with maker's marks, one glass jar and one metal can. American Period (1890 to 1960).	Precontact: Eligible individually under Criterion 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 5 existing lattice steel structures and associated demolition areas. Install 5 new LWS monopole and associated construction areas, 2 shunt removal sites, and existing access road will be graded and improved as needed.
P-14-002146	LADWP; Private	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Precontact Component: Artifact concentration, 17 bedrock milling stations, 200+ pieces of lithic debitage, 200+ fragments of fire-affected granite rock, mano fragments (n=7), basalt metate fragment, obsidian edge-modified flake, obsidian biface fragments (n=8), basalt battered stones (n=2), calcined mammal bone fragments (n>10), one complete Elko Eared point, possible corner-notched Elko Eared point, Humboldt point base, obsidian projectile point tips (n=5), medial obsidian biface fragments (n=2), gray chert biface fragment, ground stone fragments (n=3), basalt ground stone fragment, battered basalt possible hammer stone, white chert bifaces fragments (n=2), obsidian core, a coarse-grained salt and pepper granite ground stone fragment, looters pile of 47-plus flakes placed on a boulder, brown chert tested cobble, obsidian biface midsection, three gray chert flakes, one coarse-grained granite unifacial mano. Early Archaic period/Little Lake phase to Marana period (4000 cal BP to historic contact). Historic Component: Refuse scatter, single-episode historic-era trash dump including sanitary cans, church key–opened steel beverage cans, tobacco tins, various other cans and lids, 10+ bottle glass fragments (dak green, aqua, amethyst), milk glass jar fragment, red glass bottle base, Owens-Illinois Glass Co. bottle, Hazel-Atlas Glass Co. bottle base. American Period (1904 to present).	Precontact: Listed under Criterion 4, eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	No project components overlap the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-002766/ CA-INY-2766 (incl. P-14-009413 (previously recorded isolated find), P-14-009506/ CA-INY-7408)	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: 2 lithic sampling areas. Lithic debitage, lithic tools, and ground stone. Overall site flake count of 70,000. Paleoindian to Early Archaic periods (ca. 14,000 to 3800 cal BP). Historic Component: 26 cans, most of which are crushed hole-in-top cans, and over 20 glass shards. American Period (1890 to 1964).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and its associated demolition site. Install 1new TSP monopole structure and associated work area, 1 shunt removal site, 2 guard structures, and existing unpaved access road will be graded and improved as needed. Proposed construction material yard is within site boundary.
P-14-003642/ CA-INY-3642/H	Private	Multi-component	Precontact: Residential Base. Historic: Refuse and discard.	Precontact Component: 2 bedrock milling slicks, lithic concentration, 2 petroglyph features, rock alignment, rock cairn. Side-notched obsidian projectile point with a fractured tip, stemmed obsidian projectile point fragment, medial fragment of a serrated projectile point, granite mano fragment exhibiting polish on three sides, Desert Side Notched point, Cottonwood Triangular obsidian projectile point base, bifacial edge-modified obsidian flake, polished bone tool, obsidian awl, 500 flakes (obsidian, CCS, quartz). Marana period (610 cal B.P. to historic contact). Historic Component: 29 cans, 13 glass fragments, metal square-top screws, horseshoe fragment, corrugated sheet metal. American Period (1890 to 1935).	Precontact: Eligible individually under Criteria 1, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove 1 lattice steel structure with 1 associated demolition site.
P-14-003653	Private	Precontact	Precontact: Bedrock milling station.	One basalt bedrock outcrop milling slab with two milling surfaces. One tertiary obsidian flake, a bifacially ground, fine-grained granite portable milling boulder fragment.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Due to project redesign this site is no longer in the Direct APE/API.
P-14-003760/ CA-INY-3760H	Caltrans	Multi-component	Precontact: Bedrock milling station. Historic: Homestead/ farm/ranch resource, water infrastructure resource.	Precontact Component: Lithic scatter, six bedrock milling slicks. Obsidian and basalt lithic debitage, two obsidian projectile point fragments. Haiwee period (1280 to 610 cal BP). Historic Component: Barn foundation, raised rectangular structure pad, possible privy or well, 32 tent pads/structure foundations, six areas of accumulated burned refuse, two rock alignments, one depression with a pipe, refuse dump. Glass, ceramics, metal, 100+ cans and can fragments, metal bed springs, wire nails, whiteware fragments, a metal kettle, American Period (1912 to 1913).	Precontact: Eligible individually under Criterion 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure that is within 5 m of site boundary and associated work area. Install 1 new TSP monopole structure and associated work area, 1 pull site and one existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Associated with the Alabama Gates Camp from the construction of the Los Angeles Aqueduct.	Historic: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	
P-14-003767/ CA-INY-3767 (incl. P-14-003766/ CA-INY-3766)	LADWP; Private	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: 12,870+ individual artifacts including thirteen Pinto projectile points, two stemmed projectile points, three nondiagnostic dart points, bifaces, flake tools, cores and core tools, modified stone, one mano and one milling stone, two beads (one of shell), a battered cobble, bone and shell faunal remains. Early Archaic and Marana periods (ca. 10,000 cal BP to historic contact). Historic Component: Can concentration, Owens-Illinois Glass Co. bottle base fragment, aqua colored glass insulator and fragments. American Period (1908 to 1945).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Install 1 LWS monopole with 1 associated work area. Remove 1 lattice steel structure with 1 associated demolition site. Existing access road will be graded and improved as needed.
P-14-003772/ CA-INY-3772	LADWP; Private	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Eleven pieces of obsidian and basalt debitage, Owens Valley Brown Ware, shell fragments. Marana period (610 cal BP to historic contact). Historic Component: Eleven cans and can fragments, glass bottle fragments, five bottle bases with maker's marks. American Period (1934 to 1968).	Precontact: Eligible individually under Criterion 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines, 2 pull sites, an existing access road will be graded and improved as needed.
P-14-003775/ CA-INY-3775	LADWP; Private	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Lithic and ceramic scatter. Lithic debitage (obsidian, chert, CCS, basalt, chalcedony), core tool, obsidian biface fragments, Owens Valley Brown Ware. Early Archaic period/Little Lake phase to Marana period (11,000 cal BP to historic contact). Historic Component: Rock alignment, two refuse scatters (domestic in nature). Aqua colored glass insulator fragments, glass fragments and bottle bases, beverage cans, bullet casings, horseshoes, car	Precontact: Eligible individually under Criterion 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines. Remove 4 lattice steel structures and associated demolition sites. Install 1new TSP multipole structure, 1new TSP monopole structure, 1 new LWS monopole structure and associated

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				seat springs, a metal pan, livestock water basin, rubber stopper. American Period (1915 to 1967).	Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	installation work areas. 2 pull sites, 3 shunt removal sites, 1 guard structure, and existing access road will be graded and improved as needed.
P-14-003777/ CA-INY-3777H	LADWP; Private	Multi-component	Precontact: Temporary camp. Historic: Homestead/ farm/ranch resource.	Precontact Component: Freshwater mollusk shell and burned faunal bone scatter, ceramic scatter. 175+ flakes (including edge-modified; obsidian, basalt, chert, quartzite, jasper, chalcedony), Olivella beads, Rose Spring points, Humboldt points, corner-notched projectile point, biface fragments, manos, Owens Valley Brown Ware sherds, jasper drill. Haiwee and Marana periods (1280 cal BP to historic contact). Historic Component: Milled lumber corral, refuse dump in earthen depression, glass scatter of amber, olive, aqua, colorless, and amethyst glass fragments, aqua glass insulator. Ceramic base, bags of concrete/mortar, milled lumber, barbed wire, cans. American Period (1915 to 1955).	Precontact: Eligible individually under Criterion 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated demolition site. Install 1 new TSP monopole structure, 2 pull sites, 1 guard structure, and existing access road will be graded and improved as needed.
P-14-003778/ CA-INY-3778 (incl. P-14-009207)	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: Two artifact concentrations. 50 pieces of lithic debitage, 15 ceramic sherds, Rose Spring projectile point base, FAR, 300 to 500 pieces of freshwater mussel shell. Haiwee and Marana periods (1280 cal BP to historic contact). Historic Component: Can scatter. 90+ cans including sanitary, pull-tab beverage, and cone-top cans, 400 glass fragments (amber, colorless, green, aqua, sun-colored amethyst, olive), 50 whiteware fragments, 2 bottle bases with maker's marks. American Period (1929 to 1960).	Precontact: Eligible individually under Criterion 4, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible individually under Criterion 4, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove two lattice steel structures with two associated demolition sites. Three structure work areas. Existing access road will be graded and improved as needed.
P-14-003826/CA-INY-3826	Private; Caltrans	Multi-component with protohistoric artifacts	Precontact: Habitation area. Historic: Refuse and discard.	Precontact Component: Pagunda Site. Rockshelters, petroglyphs, bedrock milling features, rock rings, and rock walls. Ceramics, shell, faunal, fire affected rock, groundstone, lithic tools, and lithic debitage including obsidian.	Precontact: Eligible individually under Criteria 1, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 4 lattice steel structures and 1 H-frame structure and associated work areas. Install 2 new TSP monopole and 2 new TSP multipole structures and

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Historic Component: Glass, ceramics, cans, and a fence post. American Period (1870s to 1967).	Historic: Ineligible.	associated work areas. 5 pull sites, 6 shunt removal sites, and existing access roads that will be graded and improved as needed.
P-14-004773/ CA-INY-4773H	BLM Bishop FO; Private; LADWP	Multi-component with protohistoric artifacts	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Six granite bedrock milling slicks, earthen depression. 258 flakes (obsidian, jasper). Eight obsidian edge-modified flakes, five obsidian biface, five obsidian projectile point fragments, two granite manos, and two unifacial granite metates. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact). Protohistoric cobalt blue hexagonal bead dated between 1700 and 1850. Historic Component: 61 can and 28 can fragments. 64 colorless glass shards, 51 amber glass shards, 32 amethyst glass fragments, 31 green glass shards, and 11 aqua glass fragments. Four bottle bases with maker's marks. American Period (1890 to 1967).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 structure and associated work area. Install 1 new TSP monopole structure and associated work area. Work areas for adjacent structures to be removed and replaced within site boundary, 1 pull site and existing access roads segments that will be graded and improved as needed.
P-14-004786/ CA-INY-4786	BLM Bishop FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Six pieces of obsidian debitage and two biface fragments. Groundstone, two non-diagnostic dart-sized point fragments, one Cottonwood Triangular point fragment, one obsidian and two CCS bifaces, two obsidian flake tools, one granitic mano, 30 pieces of debitage, and several faunal bone fragments were collected. Early Archaic through Marana periods (ca. 8300 cal BP to historic contact). Historic Component: Crushed oil can, a can fragment, 18 sun-colored amethyst glass fragments, and a piece of indeterminate scrap metal. American Period (1890 to 1967).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary include installation of one new TSP monopole with an associated work area, one pull site, and one demolition site, and the existing access road that will be graded and improved as needed. A second access road abuts the southwestern portion of the updated site boundary.
P-14-005023	LADWP; Private	Historic	Historic: Military resource.	Manzanar War Relocation Center Sewage Treatment Plant: Constructed between 1942 and 1945.	Historic: Eligible individually under Criterion 1, 2, and 4	Structure work area and existing access road will be graded and improved as needed. A TSP multipole will be installed within 12 m of the site boundary.
P-14-005649/ CA-INY-5296H (incl. P-14-009229, P-14-009230, P-14-011686/ CA-INY-7215,	LADWP; SCE; Private	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource, exploration	Precontact Component: 252 obsidian and chert flakes. Early Archaic Period (11,000 to 3800 cal BP). Historic Component: Two refuse sample areas, corral, reservoir and associated milk bottle dump, ditch, a series of nine telegraph line posts, a linear railroad berm, structure consisting of 43 concrete	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 11 lattice steel structures and 1 H-frame structures and associated work areas. Install 10 new structures (1 TSP multi-pole structure, 2 TSP

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
CA-INY-7216, CA-INY-8999)			and transportation resource, homestead/ farm/ranch resource.	footings. Ten whiteware fragments, 14,442+ glass fragments, and at least 200 cans. American Period (1890 to 1930). Notes: Site encompasses sites P-14-009229, P-14-009230, and P-14-011686.	Historic: Eligible individually under Criterion 4.	monopole structures and 7 LWS monopole structures) and associated work areas, 6 pull sites, 1 splice site, 4 shunt removal sites, 3 guard structures, and 2 existing access roads that will be graded and improved as needed.
P-14-005703 (incl. P-14-000602, P-14-006021, P-14-007354, P-14-009309, P-14-009310/ CA-INY-602, CA-INY-6021, CA-INY-6263, CA-INY-72, CA-INY-7263H)	CSLC; California Dept of Fish and Wildlife; Private	Multi-component	Precontact: Multi-class artifact concentration, Bedrock milling station. Historic: Exploration and transportation resource, Refuse and discard.	Precontact Component: Bedrock milling slick. scatter of mostly obsidian lithic debitage, white jasper biface, Owens Valley Brown Ware. Marana period (610 cal B.P. to historic contact). Historic Component: Railroad berm, five looter pits/depressions. 2,500 cans, metal barrel hoops; more than 600 shards of glass; over 220 pieces of ceramics (stoneware, light green, Chinese and Danish blue transferware, and blue Fire King); milled wood; bricks; charcoal; and machine parts. Simonis type 10 vent-hole cans. American Period (1915 to 1970).	Precontact: Listed under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Listed under Criterion 4, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Project components within the site boundary include, removal of three lattice steel structures with associated work areas, installation of three new TSP structures with associated work areas, one shunt removal site, the existing access road that will be graded and improved as needed, and one overland access route.
P-14-006811/ CA-INY-5815	LADWP	Precontact	Precontact: Residential base.	5,000+ artifacts including fire-affected rock, ash, freshwater mussel shells, faunal bone, 26 Owens Valley Brown Ware ceramic sherds, lithic tools, 2 lithic concentrations, lithic debitage (mostly obsidian late-stage reduction debitage). Early Archaic to Marana periods (ca. 10,000 cal BP to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated demolition site. Install 1 new TSP monopole structure and associated work area. Existing access road will be graded and improved as needed.
P-14-006995	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and discard.	Seventy-four cans, 80+ glass fragments, stove pipe, cheese grater. American Period (1917 to 1927).	Historic: Eligible under Criterion 1, 2, and 4.	Existing access road will be graded and improved as needed.
P-14-007356	Private	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource, Refuse and discard.	Precontact Component: Lithic scatter. Obsidian debitage, rabbit and deer bone. Historic Component: Railroad debris scatter of cans, metal fragments, glass bottle fragment, shotgun shells, railroad ties and/ or fence posts. American Period (1905 to 1929).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criterion 4.	Proposed construction material yard, CH SA 1-20 US-395, construction area encompasses entire site. Yard has been moved.

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P-14-008282/ CA-INY-6600H	BLM Bishop FO; CSLC, Lands Division; Private	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	14 obsidian flakes and one ground stone fragment. Five Owens Valley Brown Ware ceramic sherds. Paleoindian to Marana periods (ca. 14,000 cal BP to historic contact). Notes: Testing for subsurface deposits at the site was negative. A previously recorded Clovis-type fluted point fragment was not located upon the most recent survey of the site. Historic Isolate: Isolated historic-era stovepipe fragment.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove 1 lattice steel structure and associated demolition site. Install 1 new LWS monopole and associated work area. Existing access road will be graded and improved, as needed.
P-14-008723/ CA-INY-6842	LADWP	Multi-component	Precontact: Quarry. Historic: Refuse and discard, Rock feature.	Precontact Component: Three lithic sample areas. 587 flakes (obsidian, jasper). Eight projectile points, 24 edge-modified flake tools, eight granite and schist ground stone fragments, five cores, eight bifacially flaked tools, and two unifacially flaked tools. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact). Historic Component: Rock ring. Milled lumber, concrete. American Period.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 6 lattice steel structures and associated work areas; Install 6 new structures (5 LWS monopoles and 1 new TSP monopole 25 m southeast of the site) and associated construction areas; 4 pull sites, 1 splice site, 6 shunt removal sites, 2 guard structures, and existing access road will be graded and improved as needed.
P-14-008772	BLM Bishop FO; Private	Historic	Historic: Refuse and discard.	125+ cans, 20+ bottle and glass fragments, metal pipe and fragments, air filter, blue insulator fragments. American Period (1934 to 1967).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of two lattice steel structures with associated work areas, installation of one TSP monopole with an associated work area, and existing access road will be graded and improved as needed.
P-14-008773	BLM Bishop FO; Private	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource.	Precontact Component: Lithic scatter. Precontact artifacts: Distal end of an opaque obsidian biface, an opaque obsidian edge-modified tertiary flake with bimarginal flaking on one margin. Historic features: refuse scatter, lattice steel transmission line structure. Historic Component: 236 cans, 277 fragments of glass, 104 fragments of historic-era ceramics, two concrete highway markers. Historic dating: American Period (1905 to 1954).	Precontact: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Project components within the site boundary consist of the removal of two lattice steel structures with associated work areas, installation of one TSP monopole with an associated work area, and the existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-008819/ CA-INY-6931	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: One biface fragment and 20 flakes. Historic Component: Cans, glass bottles, shells, buttons, clay firebricks, leather shoe fragments, cast-iron stove parts, and numerous other materials. American Period (1907 to 1913).	Precontact: Ineligible individually, eligible as contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	One demolition area for the removal of a lattice steel suspension structure, one structure work area for the installation of new TSP monopole suspension structure, an additional demolition area associated with the removal of two suspension structures 5 to 15 m northeast of the site, the existing subtransmission alignment (Remove, OH), the proposed subtransmission alignment (New, OH), the proposed telecommunications alignment (Overhead, New), one shunt removal site, and two existing access roads that will be graded and improved as needed.
P-14-008820/ CA-INY-6932	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Forty obsidian flakes, two obsidian projectile point mid- sections, medial biface fragment, two retouched flakes, and one fragment of a projectile point. Historic Component: Rock alignments. 10 knife-punctured, solder-topped sanitary cans and some aqua glass shards. American Period (1895 to 1929).	Precontact: Ineligible individually, eligible as contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Removal of one lattice steel suspension structure and installation of one new TSP monopole suspension structure with associated work area, and portions of three existing access roads will be graded and improved as needed.
P-14-008821/ CA-INY-6933	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: At least 40 obsidian flakes, one red chert flake, one obsidian biface fragment, one Rose Spring obsidian projectile point missing the tip, one obsidian split-stemmed projectile point fragment, and one ovate schist tool. Early Archaic and Haiwee periods (ca. 10,000 to 610 cal BP). Historic Component: Over 55 cans. American Period (1900 to 1960).	Precontact: Ineligible individually, eligible as contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Two work areas associated with structures outside of the site boundary (one removal and one installation) and the existing access road will be graded and improved as needed.
P-14-008822/ CA-INY-6934	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Bedrock milling slick. Six obsidian flakes. Historic Component: At least 15 cans, 85+ glass fragments, bottle base, aqua glass insulator. American Period (1908 to ca. 1925).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of work areas associated with the removal of one lattice steel structure and installation of one new TSP multipole located approximately 10m northeast of the site boundary, and the existing access

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						roads that will be graded and improved as needed.
P-14-008824/ CA-INY-6936	LADWP; Private	Multi-component	Precontact: Lithic concentration. Historic: Exploration and transportation resource, Refuse and discard.	Precontact Component: Sparse lithic scatter. Historic Component: Features associated with the remains of the Southern Pacific Railroad's Loco railroad siding and station, work camp and refuse scatter. American Period (1901 to 1950s).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible individually under Criterion 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 4 existing lattice steel structures and work areas; Install 3 new LWS monopoles and associated work areas; 2 shunt removal sites and existing access roads that will be graded and improved as needed.
P-14-008826 (incl. P-14-009335)	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Three pieces of obsidian debitage and one edge-modified flake. Historic Component: Domestic-use refuse including 50+ can fragments and cans. 200+ fragments of bottle glass; three pieces of undecorated whiteware ceramic. American Period (1908 to 1967).	Precontact: Ineligible individually, eligible as contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary include removal of one lattice steel structure and associated demolition area, installation of one new LWS monopole structure and its associated work area, two shunt removal sites, and an existing access road that will be graded and improved as needed.
P-14-008844	BLM Ridgecrest FO; Private; LADWP	Historic	Historic: Electrical infrastructure resource.	Haiwee Powerhouse, aqueduct pipe (penstock), retaining wall, pile of discarded wooden utility poles that date to 1927, limited concentration of historic-era refuse.	Historic: Eligible under Criterion 1.	No project components are proposed within the archaeological component.
P-14-008848 (incl. P-14-009362)	BLM Ridgecrest FO; LADWP	Historic	Historic: Refuse and discard.	Two refuse scatters. 43+ glass bottle fragments and bases (amber, colorless, aqua, cobalt blue, sun-colored amethyst), 75+ cans, folding cot remnants, tableware, battery cores, bovine bones, ¼-inch hardware cloth, carriage bolts with square nuts, a gray enamelware coffee pot lid, cloth and rubber hose fragments, miscellaneous wood and metal artifacts, oil-powered light, porcelain electrical insulator fragments, and heavy gauge wire, colorless glass jelly tumbler, and white porcelain dinner plate fragment with maker's mark. American Period (1915 to 1967).	Historic: Ineligible.	Removal of one lattice steel structure with an associated work area, installation of one new LWS monopole (immediately southwest of the site boundary) with an associated work area, one new guard site, and existing access road will be graded and improved as needed.
P-14-009214/ CA-INY-7210	LADWP; Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Twenty-one primarily late-stage reduction flakes (obsidian, basalt, chert). Historic Component: Twenty cans, bottle glass fragments. American Period (1933 to 1967).	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the	Project components within the site boundary consist of the removal of one lattice steel suspension structure with an associated work area, installation of one new TSP monopole suspension

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	structure with an associated work area, and the existing unpaved access road that will be graded and improved as needed.
P-14-009216	LADWP	Precontact	Precontact: Residential base.	Freshwater mussel shell midden, ceramic scatter, groundstone, 7 Owens Valley Brown Ware ceramics sherds, shell, lithic tools, and lithic debitage. Marana period (610 cal BP to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated work area; Install 1 new TSP multipole and associated work areas; 4 pull sites; 4 shunt removal sites; and existing access road will be graded and improved as needed.
P-14-009217	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Bedrock milling station.	Two bedrock milling slicks. Historic Isolate: Two isolated historic-era cans.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	The only project component within the site boundary is a work area associated with a new structure installation (the structure is located outside of the site boundary). .
P-14-009219/ CA-INY-7211	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: Artifact concentration of 32 pieces of debitage (obsidian, basalt, chert), mica schist slate and slate fragments, Owens Valley Brown Ware, bifacial mano, FAR, concentration of freshwater mussel shell fragments, burned faunal bone fragments. Marana period (610 cal BP to historic contact). Historic Component: Two barbed wire fragments, 40 glass bottle fragments. American Period (1890 to 1920).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 steel lattice structure and associated work area; Install 1 new monopole TSP structure and work area, and an existing access road will be graded and improved as needed.
P-14-009227	Private; LADWP; SCE	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Two tertiary obsidian flakes and one obsidian biface fragment. Historic Component: Amber glass bottle base, colorless glass whiskey bottle base, glass jadeite tableware fragment. 60 green	Precontact: Ineligible individually, eligible as a contributor to the Owens	Project components within the site boundary consist of the removal of one lattice steel structure with an associated work area and installation of one new LWS monopole with an

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				glass fragments and 12 amber glass fragments. Ribbed coffee can, a paint can handle, crushed cans and can fragments, a single bimetal can, and at least 44 pieces of wire mesh. American Period (1900 to ca. 1962).	Valley Landscape under Criterion 1. Historic: Ineligible.	associated work area, both located in the northwestern quadrant of the site.
P-14-009228/ CA-INY-7214	Private; SCE	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: Twenty-two flakes (CCS, obsidian, jasper, chert, quartz), obsidian biface fragment. 6 fragments of FAR, 7 Owens Valley Brown Ware sherds. Haiwee to the Marana period (1280 cal BP and historic contact). Historic Component: Fifteen cans and can fragments, glass and glass fragments with maker's marks. American Period (1926 to 1967).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines, remove 1 lattice steel structure with work area, install 1 TSP monopole with work area, 1 shunt removal site, 1 guard site, and 2 pull sites.
P-14-009232	LADWP	Precontact with historic isolate	Precontact: Residential base.	Precontact Component: 4,000+ lithic artifacts represent a resource procurement and processing locale. Two lithic scatter and an additional 194 flakes (obsidian, basalt, rhyolite), groundstone fragments (one mano and the other likely a metate fragment), five edge-modified flakes, a quartzite core, an obsidian projectile point. Historic Isolate: Four isolated historic-era glass bottle fragments.	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Removal of 1 lattice steel structure and associated demolition area, an additional demolition area associated with H-frame structure to be removed 15-20 m west of the site. Install 1 new LWS multipole 25 m west of the site and associated work area within site boundary, and existing access roads that will be graded and improved as needed.
P-14-009235/ CA-INY-7218	LADWP	Multi-component	Precontact: Residential base. Historic: Exploration and transportation resource.	Precontact Component: Nine lithic concentrations, four ceramic concentrations, quartzite single-reduction locus. 5,000+ pieces of lithic debitage, 50+ ceramic sherds. 25 tools and tool fragments including a lunate crescent biface (jasper) and projectile point (obsidian, possibly Borax Lake Wide). Paleoindian through Marana periods (between ca. 14,000 cal BP and historic contact), likely with several separate periods of occupation. Historic Component: Steel culvert and horseshoe.	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove four existing structures and associated work areas. Install one new TSP monopole and associated construction area. Two pull sites, three shunt removal sites. Existing access roads will be graded and improved as needed.

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P-14-009236/ CA-INY-7219	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Six late-stage obsidian flakes, one basalt flake, and one obsidian edge-modified flake. Historic Isolate: Isolated historic-era food jar with embossed maker's mark. American Period, post-1943.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components within the site boundary consist of the removal of one lattice steel structure with an associated demolition area, the work area for one new LWS monopole to be installed 5 m southwest of the site, and the unpaved access road that will be graded and improved as needed.
P-14-009239/ CA-INY-7221 (incl. P-14-009238/ CA-INY-7220)	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	2 lithic scatters, single-reduction locus. Precontact artifacts: Three flaked stone tools, one mammal bone fragment, and 343 flakes, basalt core. Early Archaic period (ca. 10,000 to 5000 cal BP). Historic Isolate: Isolated historic-era can.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 existing lattice steel structure and associated demolition site; Install 1 new LWS monopole on southern boundary of the site, associated work area within site boundary. Existing access road will be graded and improved as needed.
P-14-009240/ CA-INY-7222	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Four lithic scatters. Approximately 10,000 flakes (obsidian, basalt, rhyolite, chert, chalcedony, jasper), roughly 90 percent of which are unmodified late-stage reduction debitage. Basalt core, basalt core fragment, basalt tested cobble, Owens Valley Brown Ware, quartzite tested cobble, rhyolite multidirectional core, worked shell artifact. Marana period (610 cal BP to historic contact). Historic Component: Two colorless bottle bases, glass insulator and insulator fragments, cans, bottle glass fragment. American Period (1904 to ca. 1933).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission and telecom lines. Removal of 1 lattice steel structure adjacent to the southeastern site boundary and its associated demolition area, installation of 2 LWS monopoles (1 within the site; 1 located 15 m north of site) and associated work areas; 2 shunt removal sites; and existing access road will be graded and improved as needed.
P-14-009242/ CA-INY-7223	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Water infrastructure resource.	Precontact Component: 614 pieces of debitage (chert, quartzite, chalcedony, rhyolite, basalt, jasper), Olivella shell bead, obsidian tool fragments, granite possible mano fragment, Pinto projectile point base. Early Archaic period (ca. 10,000 to 5000 cal BP). Historic Component: Iron pipe and glass bottle fragments. American Period.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated demolition site; Install 1 new LWS monopole and associated work area, and existing access road will be graded and improved as needed.

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					Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	
P-14-009243/ CA-INY-7224	LADWP	Precontact	Precontact: Lithic concentration.	Ninety-four flakes (obsidian, red and yellow jasper, black and gray chert, rhyolite, basalt). Early Archaic Period (11,000 to 3800 cal BP). Olivella shell bead found during testing dates to Haiwee to Marana Periods (1280 cal BP and contact).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission line, 1 work area for new TSP monopole outside site boundary, removal 1 lattice steel structure with work area, and existing access road will be graded an improved as needed.
P-14-009245/ CA-INY-7226	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: 154+ pieces of obsidian debitage including flakes of basalt, jasper, chert flakes, CCS, rhyolite and quartzite. Paleoindian (14,000 to 11,000 BP) and Early Archaic Periods (11,000 to 3800 cal BP). Historic Component: Ten cans and can fragments. American Period (1916 to 1930).	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and work areas; Install 2 new LWS monopole structures and work areas; 2 shunt removal areas, 2 guard structures, and existing access road will be improved.
P-14-009248/ CA-INY-7229	LADWP	Precontact	Precontact: Quarry.	Forty-two pieces of debitage, a lithic core, two tested cobbles, a ground stone fragment, and three obsidian projectile points. Early to Middle Archaic Period (1150 BP to 950 BP).	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated demolition site; Install 1 new TSP multipole structure and associated structure work area; 2 pull sites, and existing access road will be improved.
P-14-009249/ CA-INY-7230	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Water	Precontact Component: Projectile point, one each of obsidian and basalt flake, Owens Valley Brown Ware. Late to Transitional Archaic Period through Marana Period (ca. 4000-5000 cal BP to historic contact).	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and associated demolition site, 2 guard structures, 1 shunt removal site, 1 pull

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			infrastructure resource.	Historic Component: Well, beverage and sanitary cans including fuel tin. American Period (1880s to 1930).	contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	site, and existing access road will be graded and improved as needed.
P-14-009250/ CA-INY-7231 (incl. P-14-009251/ CA-INY-7232)	BLM Bishop FO; LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: 450+ pieces of lithic debitage, 25 projectile point fragments, 15 biface fragments, three edge-modified flakes, two core fragments, four manos, one hammer stone, two pieces of fire-affected rock, Owens Valley Brown Ware. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact). Historic Component: Refuse scatter of glass and ceramic fragments, barrel hoops, cans. American Period (1890 to 1967).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and associated work areas. Install 1 new TSP monopole structures and 1 LWS monopole and associated construction areas, 2 shunt removal sites, 1 demolition site associated with H-frame structure to be removed 5 m from the northern boundary, and existing access road will be graded and improved as needed.
P-14-009252/ CA-INY-7233	BLM Bishop FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Approximately 20 flakes (obsidian, basalt, and rhyolite), one brown ware body sherd, and one plainware body sherd. Marana period (610 cal BP to historic contact). Historic Component: Approximately 30 glass bottle fragments. American Period, post-1933.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission line, install 1 OH telecom line, remove 1 lattice steel structure with work area, install 1 new LWS monopole structure with work area, and existing access road will be graded and improved as needed.
P-14-009254/ CA-INY-7235	CSLC	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	One obsidian flake. Previously documented basalt flake, five obsidian flakes, granite mano, and two hole-in-cap cans were not located upon the most recent survey of the site.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a	Remove and replace existing OH sub-transmission and telecom lines. Removal of 1 lattice steel structure within the site and installation of a 1

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					contributor to the Owens Valley Landscape under Criterion 1.	new TSP monopole 15 m southeast of the site. Associated demolition and construction areas within site boundary.
P-14-009259/ CA-INY-7237 (incl. P-14-009260/ CA-INY-7238)	BLM Bishop FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Two granite bedrock milling stations. Obsidian scatter. Historic Component: Tableware, bottle caps, nails, wire, nuts and bolts. 195 cans, mason jar, bottle base, base embossed with a maker's mark. Metal sign with 7 bullet holes. American Period (1908 and ca. 1935).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Removal of 2 lattice steel structure and associated work areas, and installation of 2 new LWP monopole. Associated demolition and construction areas within site boundary. Existing access road will be graded and improved as needed.
P-14-009272/ CA-INY-7241	BLM Bishop FO	Historic with Precontact isolate	Historic: Refuse and discard.	Thirty-eight cans, six amethyst glass bottle fragments, green glass bottle embossed with a maker's mark. American Period (1908 to 1956). Precontact Isolate: Quartz, basalt, and obsidian flake.	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of one lattice steel structure with an associated work area, installation of one new LWS monopole with an associated work area, and existing access road will be graded and improved as needed.
P-14-009277/ CA-INY-7243	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Fourteen flakes, obsidian Pinto projectile point and two bifacial tool fragments. Early Archaic period/Little Lake phase (10,000 to 3800 cal BP). Historic Component: Two refuse scatters of cans, bottles, and bottle glass fragments. Between 500 and 800 historic-era artifacts within the site boundaries. American Period (1900 to 1970).	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Project components within the site boundary include the removal of two lattice steel structures (and their associated demolition sites), installation of one TSP multipole, their work areas, four pull sites, three shunt removal sites, and access roads that will be graded and improved as needed; a third demolition site overlaps the southern site boundary, for two existing structures to be removed outside of the site boundary. These proposed project components would involve ground disturbance within the site boundary.
P-14-009278/ CA-INY-7244	BLM Bishop FO	Unknown	Unknown: Rock feature.	Rock Cairn.	If precontact: Ineligible individually, eligible as contributor to	The site is within the Direct APE/API; however, the site has been avoided

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. If historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	through project redesign, such that no project components intersect the site boundary.
P-14-009279	BLM Bishop FO	Historic	Historic: Refuse and discard.	Nine cans, 65+ glass fragments and one olive glass base, horseshoe and horseshoe fragment, miscellaneous metal, barbed wire, and tobacco tin. American Period (1915 to 1967).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of a lattice steel suspension structure with an associated work area, installation of one new TSP monopole structure with an associated work area, and three existing access roads will be graded and improved as needed.
P-14-009282	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Granitic hammer stone. Historic Component: Stacked rock feature containing four rock piles. 9+ cans, horseshoe, unidentified iron implement, patinated aqua glass partial bottle and base fragment. American Period (1906 to 1942).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of the removal of one lattice steel structure with an associated work area, installation of one new LWS monopole with an associated work area, and one shunt removal site. Three existing access roads lie adjacent to the north, west, and south boundaries of the site, and will be graded and improved as needed.
P-14-009283/ CA-INY-7249	BLM Bishop FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Two bedrock milling slicks and one ground stone mano. Historic Component: Fifteen cans, sheet metal. American Period (1925 to 1960).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements within the site boundary consist of two work areas associated with structures located outside of the site boundary, which are slated for removal.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	
P-14-009288/ CA-INY-7252 (incl. P-14-009289/ CA-INY-7253)	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Exploration and transportation resource, Refuse and discard.	Precontact Component: 498 pieces of lithic debitage (obsidian, chalcedony, rhyolite, chert, basalt, quartzite, siltstone), 10 lithic tools. Early Archaic period/Little Lake phase (8000 to 5000 cal BP). Estimated obsidian hydration ages span the Terminal Pleistocene through Late Holocene (2764 to 12,809 BP). Historic Component: Two-track road and refuse scatter of 500+ metal cans, metal fragments, glass, domestic refuse, and structural debris. Over 1,000 historic-era artifacts are estimated to be within the site. American Period (1898 to 1982).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Two existing steel lattice structures for removal and associated demolition areas, one new structure (TSP monopole) and associated construction area, and four existing access roads that will be graded and improved as needed.
P-14-009294	BLM Bishop FO	Historic with Precontact isolate	Historic: Rock feature.	Three U.S. Coast and Geodetic Survey markers containing three rings set in granite boulders, granite boulder with wire wrapped around it, cairn with approximately 15 granite stacked cobbles. American Period (ca. 1934). Precontact Isolate: Three obsidian tertiary flakes.	Historic: Ineligible.	Project components and elements within the site boundary consist of the removal of one lattice steel structure with an associated work area, the construction area for the installation of a TSP multipole adjacent to the site boundary, and two pull sites.
P-14-009298	BLM Bishop FO	Historic with Precontact isolate	Historic: Refuse and discard.	Two refuse scatters of beverage and oil cans, melted colorless glass, wires and cables, two iron barrels, fence fragment, car parts, metal filters, glass bottles and bottle bases, toolbox, automobile muffler, pile of asphalt. American Period (1908 to 1956). Precontact Isolate: Concentration including six obsidian flakes.	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of one existing lattice steel structure with an associated work area, installation of one new LWS Monopole with an associated work area, and two existing access roads will be graded and improved as needed.
P-14-009300	BLM Bishop FO	Historic with Precontact isolate	Historic: Mining resource, Refuse and discard.	Prospect pit, 150+ can and can fragments, glass bottle or jar bases with various maker's marks, miscellaneous metal or wood, whiteware ceramics. American Period (1904 to 1957). Precontact Isolate: Obsidian tertiary flake.	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of one lattice steel tower with an associated demolition area, the work area for a new LWS monopole that is located 13 m southwest of the site boundary, one shunt removal site, one splice site, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-009305/ CA-INY-7259 (incl. P-14-009304, P-14-009306)	BLM Bishop FO; Private	Multi-component	Precontact: Residential base. Historic: Refuse and discard, Rock feature.	Precontact Component: Two single-reduction lithic concentration loci, bedrock milling slick, an estimated 750 to 1000 pieces of debitage (obsidian, quartz, basalt, chert, jasper), Humboldt projectile point base, one core, four edge modified flakes, two projectile point fragments, seven biface fragments, one clear quartz flake. Early Archaic to the Middle Archaic/Newberry period (8000 to 1280 cal BP). Historic Component: Rock cairn (possibly modern), shovel, cans, glass jar and glass bottle base. American Period (1920s to 1990).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 3 lattice steel structures, install 2 new LWS monopole structures and associated work areas, 2 pull sites, 1 shunt site, and existing access road which will be graded and improved as needed.
P-14-009309	California Dept of Fish and Wildlife	Historic	Historic: Refuse and discard.	Cans, glass, enamelware bowl, wooden chair parts, keg hoops, water valve handle. American Period (1905 to 1967).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of one steel suspension structure with an associated demolition area, the work area for installation of an LWS monopole 8 m east of the site boundary, one shunt removal site, and the existing access roads will be graded and improved as needed.
P-14-009310	California Dept of Fish and Wildlife; LADWP	Historic	Historic: Homestead/ farm/ranch resource.	Approximately 130-foot-long wooden water pipe, glass fragment concentration (window and bottle glass), cans, piles of pulverized limestone, miscellaneous metal objects, greenish black slag, metal barrel rings, spiral metal shavings, barbed wire, scrap metal, bricks and brick fragments, shingle fragments, sewer pipe fragments, porcelain fragments, ceramic fragments, a small porcelain doll. American Period (1914 to post-1945).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Removal of one lattice steel structure and associated demolition area and installation of LWS monopole with associated work area. An existing access road will be graded and improved as needed lies 4 m to the south of the site.
P-14-009311/ CA-INY-7264	Private	Precontact	Precontact: Lithic concentration.	Ten obsidian flakes. An obsidian biface fragment and a green quartzite flake were not relocated.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition area, one structure work area for the installation of a new LWS monopole, and the existing unpaved access roads that will be graded and improved as needed.
P-14-009314	Private	Multi-component	Precontact: Lithic concentration.	Precontact Component: Obsidian edge-modified flake. Historic Component: 13 glass fragments of the same bottle. American Period (1929 to ca. 1960).	Precontact: Ineligible individually, eligible as a contributor to the Owens	Project components within the site boundary consist of one demolition site associated with the removal of a lattice

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.		Valley Landscape under Criterion 1. Historic: Ineligible.	steel tower structure that is located 6 m southwest of the site boundary, and one work area associated with the installation of a new LWS monopole suspension structure 12 m southeast of the site.
P-14-009315/ CA-IN-7267	Private; BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Less than 20 flakes of obsidian. Historic Component: Glass jars, bottles and bottle base, tumbler, prescription bottle, porcelain teapot, horseshoe, cable wire, battery core, nuts and bolts, clay roofing, tile, rug pieces. American Period, pre-1903.	Precontact: Eligible individually under Criteria 1, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Project components within the site boundary consist of removal of one lattice steel structure with an associated demolition site, installation of a new LWS monopole suspension structure with an associated work area, one shunt removal site, and the existing unpaved access road that will be graded and improved as needed.
P-14-009317	Private; BLM Ridgecrest FO; LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Isolated obsidian flake, and an edge-modified chalcedony flake. Historic Component: 300 fragmented glass shards, over 180 cans, and a few pieces of metal. American Period (1925 to 1970s).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements within the eastern portion of the site boundary consist of removal of one lattice steel suspension structure with an associated demolition site, installation of a new LWS monopole suspension structure with an associated work area, and the existing access road that will be graded and improved as needed.
P-14-009318	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Concentration of 40 glass fragments and bottle bases (colorless, aqua, brown, sun-colored amethyst), six window glass fragments, sun-colored amethyst bottle drop, 11 ceramic fragments (earthenware, whiteware jar), eight cans, and metal fragments. American Period (1890 to 1966).	Historic: Ineligible.	Removal of one wood pole and removal of one lattice steel suspension structure with associated demolition areas, installation of one new LWS monopole suspension structure with an associated work area, two shunt removal sites, and existing access roads will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-009319/ CA-INY-7270 (incl. P-14-9320/ CA-INY-7271)	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Two lithic tools, 100+ pieces of obsidian, basalt ground stone fragment, obsidian biface fragment and edge-modified flake. Historic Component: Masonry-laid rounded cobbles and boulders, two refuse scatters of glass fragments and cans. American Period (1908 and 1967).	Precontact: Eligible individually under Criterion 1, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	The western extent of the site is located within the Direct APE/API. Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition site, a demolition site associated with the removal of a lattice structure 10 m west of the site boundary, installation of two new monopole suspension structures (one LWS, one TSP) with associated work areas, one pull site, and the existing access road that will be graded and improved as needed.
P-14-009321	Private	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/ farm/ranch resource.	Precontact Component: Nine pieces of debitage, edge-modified obsidian flake, obsidian biface fragment, chert core, basalt ground stone fragment. Historic Component: Two earthen depressions, associated wood fragments, collapsed livestock enclosure, concentration of metal, glass bottle fragments, cans and can fragments, whiteware and ceramic fragments. American Period (1904 to 1975).	Precontact: Eligible individually under Criterion 1, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Project components within the site boundary consist of removal of one lattice steel structure 11 m southwest of the site and an associated work area within the site boundary, the installation of one new TSP multi-pole suspension structure and work area, and two pull sites. Proposed project components would involve ground disturbance within the site boundary.
P-14-009323	Private	Historic	Historic: Homestead/ farm/ranch resource.	Concrete footing with metal anchor. Cans (sanitary), four ceramic fragments (porcelain tableware, aqua blue Fiestaware bowl), 52 glass bottle fragments and bases (green, colorless, amber), 10 miscellaneous metal fragments, sheet metal fragment. American Period (1934 to 1968).	Historic: Ineligible.	Removal of one lattice steel suspension structure with an associated demolition site, installation of a new LWS monopole suspension structure with an associated work area, one shunt removal site, and existing unpaved access road will be graded and improved as needed.
P-14-009334/ CA-INY-7279	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration.	Precontact Component: Sixteen obsidian flakes, 2 obsidian bifaces, an obsidian Elko Corner-Notched projectile point with corner	Precontact: Ineligible individually, eligible as a contributor to the Owens	Project components and elements within the site boundary consist of demolition area for a lattice steel

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard, Rock feature.	notches and one tang. Middle Archaic/Newberry period (3800 to 1280 cal BP). Historic Component: Rock ring. 75 glass fragments including 45 sun-colored amethyst fragments. 10 cans. American Period (1900 to 1919).	Valley Landscape under Criterion 1. Historic: Ineligible.	suspension structure located immediately adjacent to and outside of the southwestern site boundary, the work area for the installation of a new LWS monopole suspension structure 10 m southwest of the site, and two existing access roads that will be graded and improved as needed.
P-14-009337	BLM Ridgecrest FO; LADWP	Historic	Historic: Refuse and discard.	Approximately 80 cans, 29 sun-colored amethyst glass body fragments, four ceramic sherds, railroad spike, and two stovepipes. American Period (post-1935).	Historic: Ineligible.	The western extent of the site is located within the Direct APE/API. Overlying the extreme edge of the western site boundary: two pull sites.
P-14-009345/ CA-INY-7287	LADWP	Precontact	Precontact: Temporary camp.	Bedrock milling feature. 580+ pieces of lithic debitage (obsidian with 1 quartz flake), four edge-modified flakes, two bifaces.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure 10 m southwest of the site and install 1 new LWS monopole suspension structure 40 m south- southwest of the site. Associated work areas within site boundary. Existing access road will be graded and improved as needed.
P-14-009351	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Lithic scatter, edge-modified flake, mussel shell, obsidian flake, obsidian biface, obsidian Elko Corner-Notched projectile point. Middle Archaic/Newberry period (approximately 3800 to 1280 cal BP).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components within the site boundary consist of the demolition area associated with the removal of a lattice steel suspension structure (the structure is located 4 m southwest of the resource boundary), one structure work area associated with the installation of a new TSP monopole suspension structure (the structure is located 10 m southwest of the site), two shunt removal sites, and the existing unpaved access road that will be graded and improved as needed. Proposed project components would involve ground disturbance within the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-009352/ CA-INY-7291	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Eleven Owens Valley Brown Ware sherds and three obsidian flakes. Marana period (610 cal BP to historic contact). Historic Component: Metal cable wheel, sherds of a blue ceramic insulator, barbed wire, threaded bolts, and a portion of an upright tobacco can.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of one new LWS monopole suspension structure with associated work area, and one demolition site associated with the removal of a lattice steel suspension structure 10 m north of the site.
P-14-009357	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Two obsidian edge-modified flakes. Historic Component: Pile of lumber with five bolts and five wire-cut nails. 20 cans, 22+ glass fragments.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition site, installation of a new LWS monopole suspension structure with an associated work area, and the existing unpaved access road that will be graded and improved as needed.
P-14-009358/ CA-INY-7295	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Homestead/ farm/ranch resource.	Precontact Component: Twenty-four tertiary obsidian flakes. Historic Component: Concrete foundation with steel pipes and rebar protruding from the surface. Metal cans, nails, glass container fragments, miscellaneous debris, and a concrete foundation. American Period between 1900 and 1920 or later.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of one shunt removal site, removal of a lattice steel structure with an associated demolition area, a new LWS monopole with an associated work area, and the existing access roads that will be graded and improved as needed.
P-14-009359/ CA-INY-7296	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Obsidian biface, 3 obsidian edge-modified flakes, 80+ obsidian flakes. Historic Isolate: Five isolated historic-era cans.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	The western two-thirds of the site is located within the Direct APE/API. Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition site, the work area for the installation of a new LWS monopole suspension structure (the structure is located 6 m south of the site), and the existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-009366/ CA-INY-7300	LADWP; BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Twelve obsidian tertiary flakes. Historic Component: 155 glass fragments were observed, consisting of colorless (n=105), green (n=23), amber (n=19), amethyst (n=3), blue (n=2), milk (n=2), and aqua (n=1). Five glass bottle bases with maker's marks. 37 cans: 26 tobacco tins, one church key-opened sanitary can, one rotary-opened sanitary can, and nine fragmented cans. Four white ware fragments with crazing. American Period (1924 to post-1945).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition site, installation of one new LWS monopole suspension structure with an associated work area, and the existing unpaved access road that will graded and improved as needed.
P-14-009367	LADWP	Historic with Precontact isolate	Historic: Refuse and discard.	Two earthen pits. 12 cans (tobacco, sanitary, hole-in-top), sun-colored amethyst bottle drop, light bulb base fragment, light green bottle glass fragment, and three heavy-duty white earthenware plate fragments. American Period. Precontact Isolate: Two obsidian tertiary flakes.	Historic: Ineligible.	Project components within the site boundary consist of the demolition site associated with the removal of a lattice steel suspension structure (the structure is located 7 m south of the site boundary), the structure work area for the installation of a new LWS monopole suspension structure (the structure is located 6 m southwest of the site boundary), and the existing unpaved access road that will be graded and improved as needed.
P-14-009368/ CA-INY-7302	LADWP	Historic with Precontact isolate	Historic: Refuse and discard, water infrastructure resource.	Exposed 39-foot section of metal pipe (previously recorded as a historic-era feature); this pipe has been damaged and moved from its original provenience. Two cans (sanitary fuel) and two sun-colored amethyst glass decanter finish fragments. American Period (1880 to 1917). Precontact Isolate: Three obsidian flakes.	Historic: Ineligible.	Project components within the Direct APE/API consist of the demolition area for removal of a lattice steel suspension structure 5 m southeast of the site, installation of a new LWS monopole suspension structure with an associated work area, one shunt removal site, and the existing unpaved access road that will be graded and improved as needed.
P-14-009369	LADWP	Historic	Historic: Mining resource.	Adit, refuse deposit. Approximately 50 brick/Cement fragments, 619+ cans, 54 glass bottle/fragments and bases (colorless, green, amber, milk, light blue, blue, aqua, solarized yellow), Dodge sedan, horseshoe, complete whiteware dish, and a whiteware bowl base. American Period (ca. 1890 to 1960s).	Historic: Ineligible.	Removal of one wood pole and one lattice steel structure and associated demolition sites, installation of one new TSP monopole structure, two guard structures, three pull sites, and

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						existing access road will be graded and improved as needed.
P-14-009370/ CA-INY-7304	BLM Ridgecrest FO; LADWP	Multi-component	Precontact: Lithic concentration. Historic: Homestead/ farm/ranch resource.	Precontact Component: Lithic concentration used as a sample area for a lithic tally, 10 tertiary obsidian flakes observed within a 10 × 10–m area; an obsidian biface fragment from an indeterminate tool; the distal and medial portion of a late-stage obsidian biface that exhibits a snap fracture at the proximal end and random flaking. Middle Archaic/Newberry Period (3800 to 1280 cal BP) and the Haiwee Period (1280 to 610 cal BP). Historic Component: Wooden livestock loading chute, milled lumber and barbed wire fence, 1-inch irrigation pipe protruding above ground surface within livestock enclosure, refuse scatter. 18 hole-in-top cans, 7 sanitary cans, 1 colorless glass bottle base fragment with embossed maker's mark. American Period (1919 to post 1945).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove one lattice steel suspension structure and associated demolition site. Install one new TSP monopole suspension structure and associated work area. Remove one existing demo pull site, two new pull sites, three new guard site structures. Existing unpaved access road will be graded and improved as needed.
P-14-009371/ CA-INY-7305 (incl. P-14-009372, P-14-009373/ CA-INY-7306, CA-INY-7307)	BLM Ridgecrest FO; LADWP	Multi-component	Precontact: Residential base. Historic: Mining resource.	Precontact Component: Bedrock mortar on a granite rock outcropping, single reduction locus. Roughly 7,500 flaked stone artifacts, mostly obsidian, but also chalcedony, quartz, basalt, and quartzite; 3 metate ground stone fragments; 3 edge-modified flakes; 2 bifaces; 1 obsidian Pinto projectile point; 1 core. Late Archaic period (ca. 10,000 and 5,000 cal BP). Historic Component: Three refuse scatters, 2 hearths, 3 possible prospect pits, 1930 Chevy pickup parts, rock ring, granite cairn. 70+ cans, 25 stoneware fragments, 1 solarized purple glass fragment. American Period (1923 to post-1945). Notes: One feature of indeterminate age, a rock ring, was observed.	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and associated demolition sites. Install 2 new TSP monopole structure, 1 new TSP multi- pole suspension structure and associated work areas, 3 pull sites, 2 shunt removal sites, and existing access roads that will be graded and improved as needed.
P-14-009374/ CA-INY-7308	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Two granitic bedrock milling features, each with 1 milling slick. 2 obsidian flakes. Historic Component: Refuse scatter. Glenshaw Glass Co. amber glass beverage bottle with crown top, colorless Sun Crest soda bottle, Jan-U-Wine soy sauce bottle with red plastic cap, colorless glass, rectangular liquor bottle. All artifacts with maker's marks. American Period (1932 to 2004).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of the demolition area associated with removal of a lattice steel suspension structure (the structure is located 12 m southeast of the site boundary), the work area associated with the installation of a new LWS monopole suspension structure (the structure is location 25 m south of the site), and an existing

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						unpaved access road is adjacent to the southwestern corner of the site and will be graded and improved as needed.
P-14-009375/ CA-INY-7309	Private	Precontact	Precontact: Lithic concentration.	10 pieces of obsidian debitage.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of the demolition area associated with the removal of one lattice steel suspension structure (structure is located 9 m southwest of the site), the work area associated with the installation of a new LWS monopole suspension structure (structure is located 19 m southwest of the site), and the existing unpaved access road that will be graded and improved as needed.
P-14-009377	BLM Ridgecrest FO	Historic with Precontact isolate	Historic: Refuse and discard.	Ninety-two cans (meat, bimetal, sanitary, beverage, aerosol), 176 glass bottle fragments and bases (amber, colorless), refrigerator door, wooden fence post. American Period (1900 to present). Precontact Isolate: Three obsidian tertiary flakes.	Historic: Ineligible.	Project components within site boundaries consist of removal of two lattice steel suspension structures with associated demolition areas, installation of two new LWS monopole suspension structures with associated work area, a shunt removal site, and the existing access road that will be graded and improved as needed.
P-14-009381/ CA-INY-7314	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource, Water infrastructure resource.	Precontact Component: Lithic scatter. 15 obsidian flakes, 3 ground stone fragments (unifacial granite metate fragment, bifacial basalt mano fragment, unifacial tufa or pumice ground stone fragment). Historic Component: Two N-S drainage ditches, historic-era road. All features not located upon most recent survey of site.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel structure and associated demolition sites, installation of one new LWS monopole structure, one shunt removal site, and an existing access road that will be graded and improved as needed.
P-14-009383/ CA-INY-7316	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration.	Precontact Component: Unmodified obsidian debitage, formal and informal obsidian tools, ground stone fragments. Estimated assemblage of over 1,200 pieces of debitage.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.	Historic Component: 25 sanitary cans (one bimetal pull-tab, 20 cut-around, two knife-opened, and two church key-opened), 25 hole-in-cap cans (13 church key–opened, six ice pick–opened, and six unknown), one internal friction can, and two external friction cans. American Period (ca. 1840 to 1990s).	Valley Landscape under Criterion 1. Historic: Ineligible.	install 1 new LWS monopole and associated work areas. Existing access road will be graded and improved as needed.
P-14-009403/ CA-INY-7335	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Bedrock milling station.	Unmodified secondary obsidian flake, a granite grinding slab. Historic Isolate: Two isolated historic-era cans.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components located within the site boundary consist of the demolition area associated with removal of one lattice steel suspension structure (the structure is located 3 m northeast of the site boundary), and the installation of one new LWS monopole suspension structure with an associated work area.
P-14-009404/ CA-INY-7336	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Two lithic scatters, 60 pieces of obsidian debitage, tested cobble. Historic Isolate: Three isolated historic-era fragments of sun-colored amethyst glass. 2 previously recorded keg hoops were not relocated.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Existing access road will be graded and improved as needed. Nearby construction, which should avoid the resource includes removal of one LS Suspension Structure and installation of 1 LWS monopole.
P-14-009407/ CA-INY-7338 (incl. P-14-009408/ CA-INY-7339)	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Over 600 artifacts, including flaked stone tools (four bifaces or biface fragments, one scraper, and one edge-modified obsidian flake), debitage, and one piece of basalt ground stone. Historic Component: Crushed circular sanitary cans (n=5+), circular sanitary cans (n=3+), rectangular sanitary can.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and associated demolition sites. Install 2 new LWS monopole structures and associated work areas, 1 install structure located 5 m south of site boundary; 2 shunt removal sites and existing access road will be graded and improved as needed.
P-14-009411/ CA-INY-7341	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Lithic scatter, 156 obsidian flakes, obsidian biface. Historic Isolate: Two isolated historic-era cans.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure 25 m south of site and install 1 new LWS monopole structure 26 m south of site, associated work areas within site

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						boundary; 2 shunt removal sites, and existing access road that will be graded and improved as needed.
P-14-009415	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Refuse scatter. 110 cans, 500+ glass bottle fragments and bases (colorless, amber). American Period (1924 to 1945).	Historic: Ineligible.	Removal of one lattice steel suspension structure with an associated demo-lition area, the structure work area for the installation of a new TSP multi-pole suspension structure, three shunt removal sites, and existing access road will be graded and improved as needed.
P-14-009416/ CA-INY-7343	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Two lithic sample areas. 454 obsidian flakes, quartzite flake, 3 obsidian bifaces, 2 obsidian edge-modified flakes, obsidian uniface flake tool, one obsidian knife fragment, obsidian utilized flake. Middle Archaic/Newberry Period (3800 to 1280 cal BP). Historic Component: 97 historic-era cans. American Period.	Precontact: Eligible individually under Criterion 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and install 1 new LWS monopole and associated work areas; 2 pull sites, 2 shunt removal sites, and existing access road that will be graded and improved as needed.
P-14-009421/ CA-INY-7346 (incl. P-14-009422, P-14-009423/ CA-INY-7347, CA-INY-7348)	BLM Ridgecrest FO	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard, Rock feature.	Precontact Component: FAR concentration (possible deflated hearth), quartzite flake, 159 obsidian flakes, ground stone, 4 edge-modified flakes, bifacial tools including Elko Corner-Notched, possible Pinto, and a stemmed projectile point, possible soapstone bowl fragment. Middle Archaic/Newberry period (3800 to 1280 cal BP). Historic Component: BLM survey marker and cairn, refuse scatter of sanitary cans, metal and glass fragments, American Period (1880 to 1920).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contri-butor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 3 lattice steel structures and install 3 new LWS monopole and associated work areas; 2 shunt removal sites, and existing access road will be graded and improved as needed.
P-14-009429/ CA-INY-7353	BLM Ridgecrest FO; Private	Multi-component	Precontact: Lithic concentration. Historic: Mining resource, Refuse and discard.	Precontact Component: Three lithic sample areas, 1 lithic scatter. Obsidian, quartzite, and chalcedony debitage. 7 edge-modified obsidian flakes, obsidian uniface tool, 4 obsidian biface fragments. Over 1,000 precontact artifacts are estimated at this site.	Precontact: Eligible individually under Criterion 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and install 1 new LWS monopole and associated work areas. 3 shunt removal

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Historic Component: 3 gravel pits. 25 cans, complete amber glass whiskey bottle with maker's mark, amber glass bottle base without maker's mark. American Period (early 1900s to 1950s).	Owens Valley Landscape under Criterion 1. Historic: Ineligible.	sites. Existing access road will be graded and improved as needed.
P-14-009431/ CA-INY-7354	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Twenty-two late-stage reduction obsidian flakes. Previously recorded edge-modified flake was not relocated.	Precontact: Ineligible individually, eligible as contributor to expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Only the extreme western extent of the site (about 5-percent) is located within the Direct APE/API. Project components within the site boundaries consist of a work area associated with the installation of a new LWS monopole, and a demolition area for removal of a lattice steel suspension structure.
P-14-009432/ CA-INY-7355 (incl. P-14-009433, P-14-009434/ CA-INY-7356, CA-INY-7357)	BLM Ridgecrest FO	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Three lithic sampling areas, bedrock milling slick on exfoliated vesicular basalt boulder. 1,000+ artifacts including obsidian, quartzite, and chalcedony debitage, 4 bifaces or biface fragments, 3 edge-modified flakes, metate fragment. Historic Component: .25 caliber rifle bullet, 8 cans, 3 aqua glass bottle body shards, 4 olive glass bottle body shards. ca. 1840 to 1990s.	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of two lattice steel structures and installation of two new LWS monopoles and their associated work areas, and the existing access road that will be graded and improved as needed.
P-14-009436	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Temporary camp.	168 obsidian flakes, representing approximately 75 percent of the debitage throughout the site. Unifacial gray vesicular basalt grinding slab, 2 obsidian edge-modified flakes. Historic Isolate: Two isolated historic-era cans.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	The central portion of the site is located within the Direct APE/API. Project components with the site boundary consist of removal of one lattice steel suspension structure with an associated demolition area, a work area for the installation of a new LWS monopole, and the existing access road that will be graded and improved as needed.
P-14-009438/ CA-INY-7358	BLM Ridgecrest FO	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Precontact Component: Rockshelter on basalt outcrop, vesicular basalt bedrock milling slick, 2 lithic sample areas. Over 2,000 pieces of lithic debitage. Flaked stone tools, ground stone, projectile point. Early Archaic (ca. 10,000 and as late as 5,000 cal BP). Historic Component: 19 cans. American Period after 1945.	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and install 1 new LWS monopole and associated work areas. Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Owens Valley Landscape under Criterion 1. Historic: Ineligible.	
P-14-009439/ CA-INY-7359	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Ten obsidian flakes. Historic Isolate: Isolated historic-era can.	Precontact: Ineligible individually, eligible as contributor to expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components within the site boundary consist of one new LWS monopole with an associated work area and removal of one lattice steel suspension structure with an associated demolition area. The existing access road that will be graded and improved as needed is located just outside the eastern boundary of the site.
P-14-009440/ CA-INY-7360	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Three lithic scatters. 1,500-plus pieces of obsidian debitage. Historic Component: Complete glass hair tonic or shampoo bottle, burned and cut animal bone, 25 glass fragments, 10 bottle bases with maker's marks, 16 cans, piece of plywood, 3 fragments of iron pipe of various lengths. American Period after 1945.	Precontact: Eligible individually under Criterion 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and associated work area, 1 shunt removal sites. Existing access road will be graded and improved as needed.
P-14-009441	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Mining resource.	Three prospect pits, artifact concentration. Approximately 60 artifacts, consisting of domestic refuse including ceramics, cans, glass including bottle and jar fragments (sun-colored amethyst, green), and miscellaneous household refuse (including broken wood-framed window screen and a ceramic fuse), 20+ slate fragments, metal powder tin spout, drinkware fragments. American Period (post-1945). Precontact Isolate: Three obsidian tertiary flakes.	Historic: Ineligible.	One new TSP monopole with an associated work area, removal of one lattice steel suspension structure with an associated demolition area, and existing access road will be graded and improved as needed.
P-14-009442	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and discard.	Refuse scatter. Six cans (bimetal, church key-opened, tobacco, cylindrical), glass bottle. American Period (after 1945).	Historic: Ineligible.	Work areas associated with the removal of a lattice steel tower and the proposed construction of a TSP monopole, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-009443/ CA-INY-7363	BLM Ridgecrest FO; Private	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: Dimensions: 296 m (NW-SE) × 156 m (NE-SW). Precontact features: Lithic sample area. 2 obsidian exhausted cores, 5 obsidian edge-modified flakes, granite slab metate, obsidian medial biface fragment. Late Holocene (175 and 7596 BP). Historic Component: Two refuse scatters. Over 1,000 artifacts including 165 glass bottle fragments, 36 ceramic artifacts, 151 historic-era cans. American Period after 1945 to, likely, the mid-1950s.	Precontact: Eligible individually under Criterion 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and install 2 new TSP monopole and associated work areas. 3 shunt removal sites. Existing access road will be graded and improved as needed.
P-14-009444/ CA-INY-7364	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Bedrock milling feature on a basalt boulder. 10 obsidian flakes, edge-modified obsidian flake with edge damage on three margins and missing distal end, edge-modified obsidian flake with edge damage on all margins, edge-modified obsidian flake with edge damage on both lateral margins, edge-modified obsidian flake with edge damage on one margin and bimarginal crushing on another edge. A previously recorded biface and core were not located upon the most recent survey of the site. Historic Component: 4 metal cans, Coca-Cola bottle. American period after 1945.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of installation of a new LWS monopole with an associated work area, the demolition area associated with the removal of a lattice steel suspension structure with an associated work area, and the existing access road that will be graded and improved as needed.
P-14-009445/ CA-INY-7365 (incl. P-14-009446)/ CA-INY-7366)	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Lithic scatter. Obsidian edge-modified flake, obsidian projectile point base fragment, obsidian mid-stage biface fragment, 145 obsidian flakes. Historic Component: 26 cans, 65+glass fragments and bottles. A previously recorded fire ring and tent stakes were not located upon the most recent survey of the site. American Period (1937 and 1956).	Precontact: Ineligible individually, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of two lattice steel suspension structures with an associated demolition area, installation of two new LWS monopole and associated work areas, and the existing access road that will be graded and improved as needed.
P-14-009447/ CA-INY-7367	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Thirteen obsidian flakes, 2 edge modified obsidian flakes. A previously recorded biface was not located upon the most recent survey of the site. Historic Component: Hole-in-cap can, crushed sanitary can, internal friction can lid, 4 amber glass bottle fragments. American Period after 1945.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel suspension structure, and the work area for installation of one LWS monopole (located 14 m west of the site boundary).

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P-14-009449/ CA-INY-7368	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Eight obsidian flakes, edge-modified obsidian flake. A previously recorded quartz core reduction flake and 2 basalt core reduction flakes were not located upon the most recent survey of the site. Historic Component: 3 cans, milk glass jar fragment with maker's mark. A previously recorded cedar signpost with an illegible metal plaque was not located upon the most recent survey of the site. American Period (1920 to 1964).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary include removal of one lattice steel suspension structure with an associated demolition area, the work area for installation of a new LWS monopole (which is 14 m west of the site boundary), and the existing access road that will be graded and improved as needed.
P-14-009450/ CA-INY-7369	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Thirty obsidian flakes, projectile point midsection fragment. Two previously recorded edge-modified obsidian flake tools were not located upon the most recent survey of the site. Marana Period (ca. 610 cal BP-contact), Haiwee Period (ca. 1280-610 cal BP), and the latter part of the Middle Archaic/ Newberry Period (ca. 3800-1280 cal BP). Historic Component: 2 crushed cans, a metal strip with nails, rotary-opened sanitary can.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Install 1 TSP monopole and work area. Remove 1 lattice-steel suspension structure and work area. 2 shunt removal sites. Existing access road will be graded and improved as needed.
P-14-009451/ CA-94INY-7370	Private	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Lithic sample area. 13 obsidian flakes, 2 obsidian edge-modified flakes, obsidian side-notched projectile point fragment, Owens Valley Brown Ware body sherd. Marana period (610 cal BP to historic contact). Historic Component: 33 cans, condiment jar with lid with maker's mark, sun-colored yellow bottle with maker's mark. American Period (ca. 1960s).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines, install 1 TWP multipole with work area, remove 1 lattice steel structure with work area, 1 new demolition site, remove 2 existing demolition pull site, 2 shunt removal sites, and the existing access road that will be graded and improved as needed.
P-14-009454/ CA-INY-7371 (incl. P-14-009455, P-14-009456)/ CA-INY-7372, CA-INY-7373)	Private	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Single-reduction locus, ceramic scatter, lithic sample area. 450-plus pieces of unmodified obsidian debitage, 5 edge-modified flakes, 85 sherds of Owens Valley Brown Ware ceramics. Marana period (610 cal BP to historic contact). Historic Component: Primarily sanitary cans but also bimetal and all-steel food, beverage, tobacco, aerosol, paint and oil cans, glass body and base shards. Coca-Cola bottle, oval bottle. American Period (1880 to 1970s). Notes: 4 features of indeterminate age, including a concentration of 45 basalt cobbles and boulders, a rock	Precontact: Eligible individually under Criterion 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 3 lattice steel structures, install 3 new LWS monopole and associated work areas. 6 guard structures, 1 pull site. Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				feature comprising 78 rocks, a 4-sided stone structure, and a pile of basalt cobbles containing about 100 cobbles, were observed.		
P-14-009457/ CA-INY-7374	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian flake. 2 previously recorded obsidian flakes (core reduction and indeterminate), 2 bifacial metates, and unifacial metate were not located upon the most recent survey of the site. Historic Component: Five pipe segments.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH sub-transmission and telecom lines. Remove 1 lattice steel structures, install 1 new LWS monopole and associated work areas. 2 pull sites. Existing access road will be graded and improved as needed.
P-14-009459/ CA-INY-7376 (incl. P-14-009460/ CA-INY-7377)	Private	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard, Rock feature.	Precontact Component: Lithic sample area, 3 bedrock milling slicks. 60 obsidian flakes, obsidian side-notched projectile point (possibly Eastgate). Haiwee period (1280 to 610 cal BP). Historic Component: Rock alignment/rock wall feature, refuse scatter, 6 rock piles. Cylindrical cans, coffee and spice cans, metal keg hoops, evaporated milk (hole-in-top) cans, corrugated sheet metal fragments, 3 tobacco tins, 2 sun-colored amethyst glass fragments. 1880 to 1915.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures, install 1 new TSP monopole and associated work areas, 2 pull sites, 3 shunt removal sites. Existing access road will be graded and improved as needed.
P-14-009461/ CA-INY-7378	Private	Multi-component	Precontact: Trail. Historic: Refuse and discard.	Precontact Component: Two N-S trending trail segments and associated lithic scatter, lithic scatter, petroglyphs. Thousands of pieces of debitage, nearly complete triangular shaped obsidian projectile point. Historic Component: Three indeterminate crushed cans, church key–opened beverage can, metal hinge stamped “FS1”, a metal hook, a metal horseshoe, 7 bullet casings stamped “SOJ 605 GRENDEL” (headstamp), and 3 fragments of wood with 4 wire nails.	Precontact: Eligible individually under Criteria 1, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas. New overland travel.
P-14-009468	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Rock feature.	Basalt boulder with stone cairn (seven basalt cobbles stacked in three courses). Four cans (tobacco, hole-in-cap, sanitary). American Period (early 1900s to post-1945). Precontact Isolate: Obsidian tertiary flake.	Historic: Ineligible.	Demolition area associated with the removal of a lattice steel suspension structure located (the structure is located 14 m west of the site boundary) and work area associated with the installation of a TSP monopole (the pole is proposed for 15 m outside the western site boundary).
P-14-009470/ CA-INY-7381	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration.	Precontact Component: 12 obsidian flakes, obsidian edge-modified flake with edge damage on three margins, unifacial basalt ground stone fragment with use wear on one surface, unifacial basalt	Precontact: Ineligible individually, eligible as a contributor to the Owens	Project components within the site boundary consist of removal of one lattice steel suspension structure with

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.	metate with use wear on one surface, and unifacial basalt metate with heavy use wear on one surface and a well-developed basin. Historic Component: 200+ cans, sun-colored amethyst glass bottle fragment, 2 amber glass bottle fragments, milled lumber fragments of various sizes (n=10), bullet casing with embossed headstamp "H". A previously documented pulley and saw blade were not relocated. American Period after 1900.	Valley Landscape under Criterion 1. Historic: Ineligible.	an associated demolition area, a work area for the installation of one new TSP monopole (the proposed structure will be 23 m southeast of the site), and the existing access road that will be graded and improved as needed is located on the extreme eastern border of the site.
P-14-009471/ CA-INY-7382	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Bedrock milling station.	Basalt boulder milling slick. Precontact artifacts: 8 obsidian flakes. Precontact dating: No temporally diagnostic artifacts. Historic Isolate: Five isolated historic-era cans.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components within the site boundary consist of installation of one LWS monopole with an associated work area, removal of one lattice steel suspension structure with an associated demolition area, and the existing access road that will be graded and improved as needed.
P-14-009472/ CA-INY-7383	BLM Ridgecrest FO	Multi-component	Precontact: Multi-Class Artifact Concentration. Historic: Refuse and discard.	Precontact Component: Bedrock outcrop with five milling slicks, bedrock outcrop with four milling slicks, petroglyph, bedrock outcrop with two milling slicks. 6 obsidian flakes. Historic Component: 32 cans, 62 clear glass fragments, 20 green glass fragments, 2 clear glass finishes, 34 amber glass finishes, green glass bottle base. American Period after 1945.	Precontact: Eligible individually under Criteria 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel structure with an associated demolition area, installation of one new LWS monopole with an associated work area, and the existing access road that will be graded and improved as needed.
P-14-009473/ CA-INY-7384	BLM Ridgecrest FO	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Nine bedrock milling features, 3 petroglyph features. 103 obsidian flakes, serrated obsidian projectile point tip. Historic Component: Sun-colored amethyst glass fragment, 2 cans. Notes: Two features of indeterminate age, a rock ring and a small mammal bone concentration of indeterminate age, consisting of over 25 bone fragments, were also recorded.	Precontact: Eligible individually under Criteria 1, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures south of site boundary and associated work area in site boundary. Existing access road will be graded and improved as needed.
P-14-009474/ CA-INY-7385	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class Artifact Concentration. Historic: Refuse and discard	Precontact Component: Two milling slicks on basalt boulders, petroglyph feature. 10 obsidian flakes. Historic Component: 5 cans, 16 cobalt glass fragments, 10 amber glass fragments, amber glass bottle base with maker's mark, cobalt glass base with maker's mark. American Period (late 1960s to early 1970s).	Precontact: Eligible individually under Criteria 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, 2 pull sites.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						Existing access road will be graded and improved as needed.
P-14-009475/ CA-INY-7386	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Thirty-nine obsidian flakes. Historic Component: Can scatter. A previously recorded retaining wall was not relocated. Church key–opened beverage cans (n=15), 2 rotary-opened sanitary cans, 2 knife-opened hole-in-cap cans, rotary-opened sanitary can, cone-top beverage can, bimetal pull-tab beverage can, church key–opened beverage can, aqua glass bottle base fragment. American Period (ca. 1900 to mid-1950s).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition area, installation of one TSP monopole with an associated work area, four shunt removal sites, and the existing access road that will be graded and improved as needed.
P-14-009477	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Twenty-four cans (sanitary, knife-opened, bimetal, aerosol, crown cap can), 51 glass bottle fragments and bases (amber, aqua, colorless). American Period (after 1954). Precontact Isolate: Two obsidian flakes.	Historic: Ineligible.	Demolition area associated with the removal of a lattice steel structure (the structure is located 9.5 m north of the site boundary), work area associated with the installation of a TSP multipole (the proposed structure would be 21.5 m southeast of the site boundary), and existing access road will be graded and improved as needed.
P-14-009478	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Two cans (pull-tab, crushed), 12 green glass bottle fragments and base. American Period (after 1954). Precontact Isolate: Two obsidian flakes.	Historic: Ineligible.	One demolition pull site (the structure is located outside the site boundary). An existing unpaved access road is located outside the site boundaries and will not impact the site.
P-14-009479/ CA-INY-7388	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	9 obsidian flakes. Historic Isolate: Four isolated historic-era cans and one can fragment.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components within the site boundary consist of installation of one TSP monopole with an associated work area, removal of one lattice steel suspension structure with and associated demolition area, and the existing access road that will be graded and improved as needed.
P-14-009480/ CA-INY-7389	DOD NAWS China Lake	Multi-component	Precontact: Multi-class Artifact Concentration.	Precontact Component: Six bedrock milling features, 3 petroglyph features. Obsidian flake.	Precontact: Eligible individually under Criteria 3 and 4, and eligible as a contributor to the	Project components within the site boundary consist of removal of one lattice steel structure with an associated demolition area, installation

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.	Historic Component: Basalt boulder with historic-era and modern graffiti. 6 church key–opened beverage cans, rotary-opened sanitary can, rectangular key-opened fish tin, 4 crushed sanitary cans, 15 amber and 14 colorless glass bottle fragments, colorless external thread bottle finish. American Period after 1945.	Owens Valley Landscape under Criterion 1. Historic: Ineligible.	of one new TSP monopole with an associated work area, and the existing access road.
P-14-009481/ CA-INY-7390	DOD NAWS China Lake	Precontact with historic isolate	Precontact: Bedrock milling station.	Two bedrock milling features. Historic Isolate: Six isolated historic-era cans.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission lines, remove 1 lattice steel structure with work area, work area for structure install outside of site boundary, 2 shunt removal sites.
P-14-009483/ CA-INY-7391	DOD NAWS China Lake	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: 134 pieces of obsidian debitage, obsidian biface base fragment, obsidian edge-modified flake with edge damage on all margins, obsidian leaf-shaped biface missing a segment of one margin and exhibiting heavy crushing on the opposite margin. Middle Archaic/Newberry Period (3800 to 1280 cal BP) and the Haiwee Period (1280 to 610 cal BP). Historic Component: 42 cans.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-009484/ CA-INY-7392	DOD NAWS China Lake	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Three obsidian tools, biface, 228 pieces of obsidian debitage, obsidian edge-modified flake. Middle Archaic/ Newberry Period (3800 to 1280 BP) and Haiwee Period (1280 to 610 BP). Historic Component: 26 cans, 116 amber glass body fragments, 2 amber glass finish fragments, 3 amber glass bases.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-009485/ CA-INY-7393	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Forty-nine pieces of lithic debitage, complete Rose Springs style projectile point. Middle Archaic/ Newberry Period (3800 to 1280 BP) and Haiwee Period (1280 to 610 BP). Historic Component: Two strands of metal wire, church key–opened beverage can, bullet casing with a 1943 date stamp, can lid with unreadable embossing, 6 glass bottle base fragment, 30 glass bottle body fragments. American Period after 1943.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-009486/ CA-INY-7394	BLM Ridgecrest FO; DOD	Multi-component	Precontact: Lithic concentration. H	Precontact Component: Forty-eight obsidian flakes. Middle Archaic/ Newberry Period (3800 to 1280 BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines. Install 1 new TSP monopole and associated work areas, and existing

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
	NAWS China Lake		istoric: Refuse and discard.	Historic Component: Sun-colored amethyst glass, 9 cans and can fragments. American Period after 1935.	Valley Landscape under Criterion 1. Historic: Ineligible.	access road will be graded and improved as needed.
P-14-009487/ CA-INY-7395	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: 105 pieces of debitage, granite ground stone, granite metate fragment, broken obsidian edge-modified flake. Middle Archaic/Newberry Period (3800-1280 cal BP), Haiwee Period (1280-610 cal BP), Marana Period (610 cal BP-contact). Historic Component: 32 cans, 103 amber glass fragments, 45 sun-colored amethyst glass fragments, 14 olive glass fragments, 2 colorless glass fragments, amber glass bottle base with maker's mark. 6 semi-porcelain fragments. American period after 1917.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures just outside site boundary, install 1 new TSP monopole outside site boundary and associated work areas, remove four shunts, and existing access road will be graded and improved as needed.
P-14-009489/ CA-INY-7397	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Eleven pieces of obsidian debitage. A previously recorded Cottonwood Triangular projectile point was not located upon the most recent survey of the site. Historic Component: 6 cans, brass survey marker, 48 glass fragments. American Period (1890 to 1967).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements within the site boundary consist of the removal of a lattice steel suspension structure with an associated demolition site, installation of a new TSP monopole with an associated work area, two demolition pull sites, and the existing access road that will be graded and improved as needed.
P-14-009490/ CA-INY-7398	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Seventeen obsidian flakes, obsidian edge-modified flake. Historic Component: 9 glass body fragments, 3 crushed indeterminate cans. Previously recorded artifacts, including industrial-sized hole-in-cap cans, sanitary cans, bailing wire, a railroad spike, were not relocated. American Period (1890 to 1967).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements within the site boundary consist of the work area associated with the installation of a new TSP monopole, the demolition area associated with the removal of a lattice steel structure, and the existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-009491/ CA-INY-7399	DOD NAWS China Lake; BLM Ridgecrest FO; DOD NAWS China Lake	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Single-reduction locus. 81 obsidian and quartzite flakes, obsidian edge-modified tertiary flake with edge damage on both lateral margins and the proximal end. Early Archaic (11,000 to 3800 BP), Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), and Marana Period (610 BP to contact). Historic Component: 13 cans and can fragments, 6 sun-colored amethyst glass fragments, 7 aqua glass fragments, 7 olive glass fragments, 26 amber glass fragments, partial colorless glass bottle. American Period (1887 to 1960s).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-009492/ CA-INY-7400	DOD NAWS China Lake; DOD NAWS China Lake; BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Sixty-six pieces of debitage, brown ware body sherd with sand temper. Middle Archaic/Newberry Period (3800 to 1280 BP) and Haiwee Period (1280 to 610 BP). Historic Component: 50 glass bottle fragments.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole just south of site boundary. Associated work areas within site boundary. Existing access road is approximately 5 m east of and parallel to the eastern site boundary.
P-14-009493/ CA-INY-7401	DOD NAWS China Lake	Precontact	Precontact: Lithic concentration.	Bifacially edge-modified obsidian flake, unifacially edge-modified obsidian flake.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Demolition site extends into the southernmost part of the site and1 shunt removal site. Existing access road will be graded and improved as needed.
P-14-009494/ CA-INY-7402	DOD NAWS China Lake; DOD NAWS China Lake; BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	189 obsidian flakes, obsidian bimarginal tool, obsidian biface (probable projectile point) fragment. Early Archaic (11,000 to 3800 BP), Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), Marana Period (610 BP to contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH sub-transmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and asso-ciated work areas, and existing access road will be graded and improved as needed.
P-14-009495/ CA-INY-7403 (incl. P-14-009496/ CA-INY-7404)	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	175+ obsidian flakes, obsidian biface fragment with unilateral edge modification, obsidian biface with bilateral edge modification, edge-modified obsidian flake with bilateral edge modification. A previously recorded piece of pumice ground stone was not	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures, install 2 new TSP monopole and

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				relocated. Latter part of the Middle Archaic/Newberry Period (3800-1280 cal BP), Marana Period (610 cal BP-contact), Haiwee (1280-610 cal BP) Periods. Previously recorded historic-era artifacts, including bailing wire, hog wire, wooden tent stakes, one metal twist cap, and a limited quantity of amber glass, were not relocated.	Valley Landscape under Criterion 1.	associated work areas, and existing access road will be graded and improved as needed.
P-14-009497/ CA-INY-7405	BLM Ridgecrest FO; DOD NAWS China Lake	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource, Refuse and discard.	Precontact Component: Lithic scatter. 130 tertiary obsidian flakes, four obsidian edge-modified flakes with unilateral edge modification, nearly complete obsidian side-notched projectile point, an obsidian mid- to late-stage biface margin fragment (likely a Rose Spring Side-Notched). Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), Marana Period (610 BP to contact). Historic Component: Refuse scatter, historic-era transmission structure. 41 glass body fragments, Owens-Illinois Glass Co. colorless jar, Hazel-Atlas Glass Co. bottle base, 12 cans or can fragments. American Period (after 1945).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove one lattice steel structure and associated work area. Install one new TSP monopole and associated work area. One snug/splice site. Existing access road will be graded and improved as needed.
P-14-010005/ CA-INY-7217 (incl. P-14-009233)	Private	Precontact with historic isolate	Precontact: Lithic concentration.	60 pieces of lithic debitage (obsidian, rhyolite, chert, basalt, red jasper), rhyolite biface medial fragment, quartzite core fragment. Obsidian hydration age calculations indicate occupation over a span of 4,300 years. Early Archaic Period (11,000 to 3800 cal BP). Historic Isolate: Isolated historic-era sun-colored amethyst glass bottle body fragment.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines, remove 2 lattice steel structures with work areas, install 1 TSP monopole with work area, 1 pull site, and existing access road will be graded and improved as needed.
P-14-010961/ CA-INY-8391	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Eight obsidian flakes, 13 ceramic sherds with two different tempers. Historic Component: 20 cans. American Period (1914 to 1945).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	The site is located within the Direct APE/API; however, through project redesign, the site will be avoided. No ground-disturbing project components overlap this site, and no work will be conducted within the site boundary.
P-14-010962/ CA-INY-8392	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Three obsidian thinning flakes; chert projectile point tip; fragment of an obsidian projectile point, possibly a Cottonwood point; 13 ceramic sherds with two different types of temper. Marana period (610 cal BP to historic contact). Historic Component: 13 cans. American Period (1840s to 1940s).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	The site is partially within the Direct APE/API and a work area for installation of a new LWS structure is 3 m from the southern edge of the site

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Historic: Ineligible.	boundary. However, no project components overlap the site.
P-14-010964/ CA-INY-8392H	Private	Historic with precontact isolate	Historic: Homestead/ farm/ranch resource.	Two concrete foundations. Glass fragments (variety of colors, including sun-colored amethyst), 22 cans. American Period (post-1900). Precontact Isolate: Two obsidian flakes.	Historic: Ineligible.	The site is located within the Direct APE/API. A new structure work area is 15 m to the southwest.
P-14-010965	LADWP	Historic	Historic: Refuse and discard.	Refuse scatter, concrete slab foundation, three U-shaped concrete block foundations. Scrap metal, cables, well casing, ceramic insulators fragments, glass fragments, muffler, large heavy equipment parts.	Historic: Ineligible.	It does not intersect any project components and will not be affected by the project.
P-14-011847	BLM Ridgecrest FO	Historic	Historic: Homestead/ farm/ranch resource.	Concrete foundation. 82 glass bottle fragments and bases (amber, aqua, olive, green, sun-colored amethyst, colorless), and three crushed cans. American Period (post-1945).	Historic: Ineligible.	Project components and elements within the site boundary consist of one guard site.
P-14-012071/ CA-INY-9262	BLM Bishop FO	Precontact	Precontact: Lithic concentration, Rock feature.	Four flakes of obsidian were located on the ground surface within 20 m of the rock feature. Concentration of vesicular basalt cobbles measuring 1.5 × 1.0 m and containing 42 cobbles ranging between 4 and 12 cm in length. A secondary scatter of similar cobbles was located northeast of the feature was not relocated.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	It does not intersect any project components and will not be affected by the project.
P-14-012764	Private	Historic	Historic: Refuse and discard.	Seventy-two cans, metal pail, 5-pound baking powder canister, ceramic fragments, miscellaneous scrap metal, two amber glass bottle bases, and various glass fragments (sun-colored amethyst, colorless, amber, aqua, dark green). American Period (1914 to post-1945).	Historic: Ineligible.	Two LWS monopoles with associated work areas.
P-14-012777/ CA-INY-9677	SCE	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Ten obsidian flakes. Historic Component: 25 diagnostic glass bottle bases, porcelain sherds, hundreds of cans, metal, glass, the sole of a shoe, braided cable. American Period (1914 to 1945).	Precontact: Eligible individually under Criteria 1, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements within the site boundary consist of one pull site covering the majority of the site and then tiny slivers of the following in the extreme northern 2m of the site: another pull site, a guard site, installation of a TSP monopole work area, and a work area associated with a lattice tower removal.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-012781	SCE	Historic with precontact isolate	Historic: Refuse and discard.	Ten cans (Triton oil, hole-in-top). American Period (1930s to 1950s). Precontact Isolate: Obsidian tertiary flake.	Historic: Ineligible.	Access road that will be graded and improved as needed.
P-14-012782	SCE	Historic with precontact isolate	Historic: Refuse and discard.	Four refuse scatters, looters pit, artifact concentration. Cans, glass, ceramics (including porcelain), light bulb fragments, milled lumber, and domestic items (including shoe leather, medicine/Cosmetic bottle bases). American Period (1932 to 1964). Precontact Isolate: Two obsidian flakes.	Historic: Ineligible.	No project components are within the site boundary but the access road is located along the southeastern edge of the site and will be graded and improved as needed.
P-14-012783	SCE	Historic	Historic: Homestead/ farm/ranch resource.	Two concentrated dumps, underground septic tank, set of rock alignments, rubble pit. 500+ artifacts including both domestic (includes cans, glass, miscellaneous metal, burned large mammal bones, porcelain fragments, etc.) and industrial refuse (includes bricks, ceramic insulators, utility pipes, braided cables/steel wire, milled wood, miscellaneous metal). American Period (1914 to post-1945).	Historic: Ineligible.	Two segments of access road will be graded and improved as needed.
P-14-012785/ CA-INY-9685	SCE	Historic with precontact isolate	Historic: Water infrastructure resource.	Clay water or sewer pipe, two refuse scatters of approximately 60 glass bottle fragments and 30 cans, metal toothpaste tubes, fragments of indeterminate metal, one black-and-white marble. American Period (1907 to 1937).	Historic: Ineligible individually, eligible as contributor to Bishop Creek Hydroelectric System Historic District under Criterion 1.	The site is located outside of the right-of-way but within the Direct APE/API. The site is directly adjacent to existing access roads that will be graded and improved as needed.
P-14-014498/ SWCA-L030-6369	BLM Ridgecrest FO	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Two lithic sample areas. Total estimated assemblage of approximately 9,900 flakes. Proximal fragment of an obsidian biface, edge-modified obsidian flake, granite milling slab on an embedded boulder, red vesicular basalt abrader fragment, biface fragment. Historic Component: One crushed sanitary can, one crushed tobacco tin, and one sun-colored amethyst glass bottle base. Historic-era sun-colored amethyst glass bottle base with maker's mark. American Period (1908 to 1930).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to the expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures, install 2 LWS monopoles Located north and south of site boundary. All associated work areas within site boundary. Existing access road will be graded and improved as needed.
P-14-014504/ SWCA-L030-6385	BLM Ridgecrest FO	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Eleven bedrock milling slicks, one lithic scatter. 85 flakes (obsidian, chalcedony), seven obsidian biface fragments, one possible Borax Lake Cluster obsidian projectile point, six obsidian edge-modified tertiary flakes, four basalt metates or metate fragments. Early Archaic period/Little Lake phase (11,000 to 3800 cal BP).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	New TSP monopole structure, associated work areas within site boundary. Removal and installation of additional structures just south of site boundary, associated work areas within site boundary. A pull site is located at northern end of site. Existing

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Historic Component: 30 cans and glass shards in colorless, aqua, and sun-colored amethyst. American Period (1904 to 1948).		access road will be graded and improved as needed.
P-14-014505/ SWCA-L030-6387	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Temporary camp.	Basalt boulder/bedrock milling feature with one mortar. Precontact artifacts: 49 obsidian tertiary flakes, one early-stage biface, two projectile point midsection fragments, one edge-modified flake, one metate, one mano, and one pestle. Historic Isolate: Eight isolated historic-era cans. American Period (1962 to 1975).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Installation of new subtransmission line and telecom line. Removal/installation structure work areas located within northern edge of site.
P-14-014507/ SWCA-L030-6390	BLM Ridgecrest FO	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Nine bedrock milling slicks, one cairn. Two tertiary obsidian flakes, bi-marginal obsidian edge-modified tertiary flake with edge damage on one lateral margin, unifacial basalt metate/lap stone or a unifacial two-hand mano, obsidian (greenish hue, similar to Fish Springs source) Elko Corner-Notched-style projectile point with convex shape and random flaking pattern on both surfaces, expedient, unifacial basalt cobble mano. Middle Archaic/Newberry period (approximately 3800 to 1280 cal BP). Historic Component: 74 cans, four amber glass bottle fragments and a sun-colored amethyst glass brandy bottle finish with a glass bottle stopper in situ. American Period (1904 to the 1950s).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure just north of site, install 1 LWS monopoles within site. All associated work areas within site boundary. Existing access road will be graded and improved as needed.
SCE-CWA-2020A (incl. SCE-CWA-2020B)	Private	Multi-component	Precontact: Bedrock milling station. Historic: Homestead/ farm/ranch resource.	Precontact Component: Bedrock milling features, lithic scatter of obsidian and basalt debitage. Historic Component: Refuse scatter of cans, glass, ceramics, wire, wooden fence posts, and building materials; multiple rock alignment features, including foundations, a privy, fence line, and rock piles. American Period (1914 to post-1945).	Precontact: Eligible individually under Criteria 2 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criterion 2, and 4.	Project components and elements within the site boundary include removal of one lattice steel structure and installation of one new TSP monopole and associated work areas, and an existing access road that will be graded and improved as needed.
SWCA-L030-1001	LADWP	Precontact	Precontact: Lithic concentration.	Broken obsidian biface and possible preform, 2 obsidian fragments that refit to form a nearly complete Rose Spring Corner-Notched projectile point, 2 obsidian fragments that refit to form a stout projectile point, edge-modified flake produced from a thick biface thinning flake, obsidian flakes at a density of 3 flakes per square meter. Rose Spring Corner-notch points date to Haiwee Period (1280 to 610 BP), Gypsum Cave point dates to Middle Archaic/ Newberry Period (4000–2800 BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and associated demolition area, install 1 new TSP monopole and associated work areas. Work areas of adjacent structures within site boundary, 1 pull site, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1007	LADWP	Precontact	Precontact: Lithic concentration.	Seventeen flakes (obsidian, chert, quartz, basalt), distal fragment of an obsidian projectile point. Middle Archaic/Newberry Period (2600 BP to 1000 BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines, 2 demolition pull sites, 1 work area for structure removal outside of site boundary, and existing access road will be graded and improved as needed.
P-14-014238/ CA-INY-010670/ SWCA-L030-1010	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Twenty-three flakes (obsidian, chert, basalt, rhyolite). Obsidian hydration rim measurements yielded estimated ages of 3943 to 7806 BP indicating an occupation of over 3,800 years during the Middle Holocene/Early Archaic Period (11,00 to 3800 cal BP). Historic Isolate: Isolated historic-era horseshoe.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace OH subtransmission and telecom lines. Existing access road will be graded and improved as needed.
SWCA-L030-1017	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Lithic scatter. 505 flakes (obsidian, white chert, gray chert, jasper, quartz), obsidian core, obsidian projectile point, possibly a Rose Spring Corner-Notched, obsidian biface midsection, 2 obsidian biface medial fragments, obsidian biface base fragment, obsidian biface fragment, bimarginal obsidian thumbnail scraper, gray chert perforator/punch or expedient drill, obsidian Pinto projectile point, early-stage obsidian biface fragment. Early Archaic period to Haiwee period (10,000 BP to 610 BP). Historic Component: Approximately 30 porcelain insulators. Before 1911 to 1913.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures, install 2 new LWS monopole and associated work areas. Existing access road will be graded and improved as needed.
SWCA-L030-1023	LADWP	Precontact	Precontact: Lithic concentration.	499 flakes (obsidian, basalt, chert, jasper, quartzite, chalcedony), 4 core fragments, core, 8 obsidian bifaces, 4 projectile points (including complete Rose Spring Corner-Notched basalt projectile point, obsidian Pinto projectile point base, basal portion of a basalt Great Basin Stemmed), 2 scrapers. Paleoindian to Early Archaic periods (ca. 14,000 to 4000 BP) to Haiwee period (1280 to 610 cal BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures, install 2 new TSP monopole and associated work areas. 2 pull sites. New access road will be graded and improved as needed.
SWCA-L030-1024	LADWP	Precontact	Precontact: Lithic concentration.	531 flakes (obsidian, chert, jasper, basalt, chalcedony), obsidian projectile point tip and midsection, five obsidian biface fragments, unifacial obsidian thumbnail scraper, two obsidian edge-modified flake, unifacial and bimarginally modified white chert scraper. Marana period (610 cal BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						access road will be graded and improved as needed.
P-14-014243/ CA-INY-010674/ SWCA-L030-1025	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Two lithic scatters, three ceramic scatters. Owens Valley Brown Ware (n=41), 800+ pieces of debitage (rhyolite, basalt, obsidian, chert, metavolcanic), triangular biface base, biface tip. Marana period (610 cal BP to historic contact). Historic Component: Fourteen cans, ceramics fragments, glass fragments. American Period (1962 to 1967).	Precontact: Eligible individually under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, and eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3, and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel and H-frame structures, install 1 new TSP monopole adjacent to site boundary. All associated work areas within site boundary, and existing access road will be graded and improved as needed.
P-14-014244/ CA-INY-010675/ SWCA-L030-1028	LADWP	Precontact	Precontact: Temporary camp.	Two lithic scatters, 300+ flakes (obsidian and butterscotch jasper), two chert edge modified flakes, metasedimentary core tool, two projectile points (one Rose Spring series), two fire-affected ceramic body sherds, two granite ground stone and metate fragments, granite mano. Haiwee and Marana periods (1280 BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure and install 1 new TSP monopole adjacent to site boundary. All associated work areas within site boundary, and existing access road will be graded and improved as needed.
P-14-014245/ CA-INY-010676/ SWCA-L030-1030	LADWP	Precontact	Precontact: Residential base.	Two lithic scatters, ceramic scatter (brownware), ground stone scatter (granite, basalt, mica schist). 20,000+ flakes and tools, including projectile points and tips, a drill fragment, biface fragments, edge modified flakes, cores. Basalt cores (some utilized as expedient choppers). Early Archaic period (10,000 BP to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures and install 2 new TSP monopole in site boundary. Remove 2 lattice steel structures and install 2 new TSP monopole adjacent to site boundary. All associated work areas within site boundary, and existing access road will be graded and improved as needed.
P-14-014246/ CA-INY-010677/ SWCA-L030-1031	LADWP	Precontact	Precontact: Temporary camp.	Lithic scatter, 293 lithic debitage pieces (jasper, obsidian, chalcedony, chert), lithic tools (including a core, edge-modified flake, reamer or drill, biface fragment, and one indeterminate), Owens Valley Brown Ware ceramic body sherd, three groundstone	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and install 1 new TSP monopole adjacent to

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				fragments (basalt, mica schist). Marana period (610 cal BP to historic contact).	Valley Landscape under Criterion 1.	site boundary. All associated work areas within site boundary, and existing access road will be graded and improved as needed.
P-14-014247/ CA-INY-010678/ SWCA-L030-1032	LADWP	Precontact with historic isolate	Precontact: Temporary camp.	Precontact Component: Two lithic scatters, yellow jasper single-reduction locus, freshwater mussel shell concentration. 1,000+ lithic debitage pieces (obsidian jasper, chert, basalt, quartzite), 22 bifaces and fragments, two edge modified flakes, eight projectile points, 5 cores, freshwater mussel shell, six flake tools, groundstone fragments, hammerstone, Owens Valley Brown Ware ceramic sherds, two abraders. Haiwee and Marana periods (1280 BP to historic contact). Historic Isolate: Brown-glazed ceramic insulator fragments, representing five complete insulators.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, 2 pull sites, 1 splice site, and existing access road will be graded and improved as needed.
SWCA-L030-1034	LADWP	Precontact	Precontact: Lithic concentration.	200 artifacts including 150+ flakes (obsidian, chert, jasper, chalcedony, basalt), two cores, a scraper, and four obsidian bifaces/ biface fragments.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and install 1 new TSP monopole adjacent to site boundary. All associated work areas within site boundary, and existing access road will be graded and improved as needed.
SWCA-L030-1035	LADWP	Precontact	Precontact: Lithic concentration.	Two lithic concentrations. Approximately 1,000-2,0000 lithic debitage pieces (mostly obsidian, then jasper, chert, basalt, rhyolite), two edge-modified flakes, two scrapers, two bifaces/ biface fragments, two projectile points (Elko Corner-Notched, one ovate). Middle Archaic/Newberry Period (between 3800 - 1280 BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Existing access road will be graded and improved as needed. Proposed overland travel through site.
P-14-014271/ CA-INY-010681/ SWCA-L030-1038	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Lithic concentration, 4,000+ lithic debitage pieces (obsidian, chert, basalt, rhyolite, quartz, metavolcanic, metasedimentary), six bifaces/biface fragments, two edge-modified flakes, five projectile points/fragments (including Ros Spring Corner-Notched, two possible Pinto), flaked stone saw, one Owens Valley Brown Ware sherd. Early Archaic period (10,000 BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1041	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Precontact Component: 800+ artifacts including 398 flakes (obsidian, chert, basalt, jasper), seven bifaces, two projectile points/fragments (possible Sierra Side-Notched point), edge-modified flake. Marana period (610 cal BP to historic contact). Historic Isolate: Three horseshoes.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new LWS monopole and associated work areas, adjacent tower removal and installation work areas within site boundary, 1 guard structure, and existing access road will be graded and improved as needed.
P-14-014273/ CA-INY-010683/ SWCA-L030-1043	LADWP	Precontact	Precontact: Temporary camp.	Two lithic scatters, 500+ artifacts including 475 lithic debitage pieces (obsidian, jasper, chert, basalt, quartzite), 14 obsidian biface fragments, five Owens Valley Brown Ware sherds, five edge-modified flakes, core fragment, mano, two projectile points (triangular, possible Rose Spring Corner-Notched). Haiwee and Marana periods (1600 BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and associated work area, and existing access road will be graded and improved as needed.
SWCA-L030-1044	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian Elko Corner-Notched projectile point proximal fragment, 10 pieces of debitage (basalt, chert, obsidian). Middle Archaic/Newberry period (3800 to 1280 cal BP). Historic Component: Refuse scatter. Estimated 70-plus light bulbs, 25 bottle glass shards, 29 fuses, 15 batteries and battery cores, and other electrical and/or unidentified metal fragments. American Period (1915 to 1967).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	One small portion of the site is overlapped by an access road; no other project components are within the site boundary, and the site can be avoided by project avoidance measures.
SWCA-L030-1045	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Leaf-shaped expedient obsidian projectile point base and midsection. Historic Component: Cans scatter including paint cans, sanitary cans, food and beverage, cans, and a fuel can, and glass fragments (aqua, green, amber, colorless) including bases, finishes, and complete bottles. American Period (1915 to 1944).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary include the removal of one lattice steel structure with demolitions site, a work area for installation of one new monopole (outside the site boundary), and an existing access road that will be graded and improved as needed. Proposed project components would involve ground disturbance within the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1046	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Biface fragment. Historic Component: Six cans, 30 glass fragments, 22 ceramic fragments, and three miscellaneous pieces of metal debris. American Period (post-1904).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of portions of a demolition area associated with the removal of one lattice steel structure outside of the site boundary, a work area associated with the installation of one new LWS monopole, a pull site, and the existing access road that will be graded and improved as needed
P-14-014277/ CA-INY-010687/ SWCA-L030-1047	LADWP	Precontact with historic isolate	Precontact: Temporary camp.	Approximately 1,000 artifacts, including lithic debitage, granite metate, mica schist fragments, groundstone fragments, 15 Owens Valley Brown Ware sherds, nine flaked stone tools/fragments. Marana periods (610 BP to historic contact). Historic Isolate: Sun-colored amethyst glass bottle base fragment.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-014278/ CA-INY-010688/ SWCA-L030-1048	LADWP	Precontact with protohistoric artifacts	Precontact: Residential base.	Midden soil deposit, 4,000+ artifacts, 37 Owens Valley Brown Ware ceramic sherds, projectile point base fragment (possible Rose Spring Corner-Notched), 13 biface fragments, edge-modified flake, three ground stone fragments, mano, four beads (Olivella, steatite disk), bone (fire-/non-fire-affected). Protohistoric cobalt hexagonal bead fragment, kaolin clay pipe stem. Haiwee period (1280 cal BP to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-014279/ CA-INY-010689/ SWCA-L030-1049	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Two Owens Valley Brown Ware, two obsidian tertiary flakes, one obsidian secondary flake. Historic Component: 300+ cans and can fragments, 40 glass bottle fragments, bottle base, 50 milk glass jar lid liner fragments, tin food jar lid, 25 fragments of ceramic tableware. American Period (1890 to 1920).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the removal of one lattice steel structure with an associated demolition area, installation of one TWP monopole with an associated work area, and the existing access road that will be graded and improved as needed.
P-14-014311/ CA-INY-010690/ SWCA-L030-1050	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Ceramic scatter, 300+ lithic debitage pieces (obsidian, chert, jasper, basalt, quartzite), four obsidian biface fragments, obsidian edge-modified tertiary flake, obsidian projectile point tip, , 35 Owens	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines. No construction work areas in site

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Valley Brown Ware ceramic body sherds with a quartz temper. Precontact dating: Marana period (610 cal BP to historic contact).	Valley Landscape under Criterion 1.	boundary. Existing access road will be graded and improved as needed.
P-14-014312/ CA-INY-010691/ SWCA-L030-1056	LADWP	Precontact	Precontact: Burial area.	Habitation site, ash deposit. 200+ lithic debitage pieces (obsidian, basalt, jasper, chert), bifaces, projectile point fragments, groundstone fragments (including metate fragments and a mano), Owens Valley Brown Ware ceramic sherds (some decorative), and burned faunal bones. Marana period (610 cal BP to historic contact). Notes: Human burials present.	Precontact: Eligible individually under Criteria 1, 3 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, and existing access road will be graded and improved as needed.
P-14-014313/ CA-INY-010692/ SWCA-L030-1056B	LADWP	Precontact	Precontact: Burial area.	Habitation site. Fire-affected rock clusters/Concentrations, freshwater mussel shells, flakes, retouched flake tools, bifaces/ fragments, projectile points/fragments (one is Sierra Side-Notched, another is Cottonwood Triangular), ground stone (including metate fragments, possible comal fragments), two manos, Owens Valley Brown Ware ceramic sherds (some decorative), and burned faunal bones. Marana period (610 cal BP to historic contact). Notes: Human burials present.	Precontact: Eligible individually under Criteria 1, 3 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. No construction work areas in site boundary. Existing access road will be graded and improved as needed.
SWCA-L030-1058	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Approximately 50 obsidian flakes. Historic Component: 20 cans, 12 bottle body shards, 3 body shards of green glass cup, 2 porcelain rim sherds with decorative banding, porcelain curved body sherd, porcelain rim sherd, green glass plate with scalloped rim and embossed decoration. American Period (1904 to 1959).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a portion of one demolition area for steel lattice structure removal outside the site boundary and the existing access road that will be graded and improved as needed.
SWCA-L030-1131	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: 18 obsidian flakes, biface midsection that exhibits weathering. Historic Component: 3 rock alignments, refuse scatter. Oil cans, church key–opened beverage cans, hole-in-cap can, crushed coffee can, colorless bottle base, chicken wire, wood debris, ceramic sherd. American Period (1904 to 1971).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements within the site boundary consist of a temporary yard.
P-15-021121/ SWCA-L030-1135	Private	Historic	Historic: Refuse and discard.	Bottle drop, five crushed cans, 12 glass soda bottle fragments. American Period (ca. 1970).	Historic: Ineligible.	Demolition area and new Structure Work Area.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1136	Private; DOD NAWS China Lake	Precontact	Precontact: Lithic concentration.	Twenty-four lithic flakes (obsidian, chalcedony, chert, jasper, quartzite).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of an existing access road running along the eastern end of the site that will be graded and improved as needed.
P-15-021119/ SWCA-L030-1141	Private	Historic with precontact isolate	Historic: Refuse and discard.	Refuse scatter including colorless, sun-colored amethyst, and amber glass shards (including base fragment with maker's mark), nails, miscellaneous metal, ceramics (including dishware with maker's mark), fire-affected rock, and burned bone. American Period (1930 to 1959). Precontact Isolate: One obsidian flake.	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. Existing access road will be graded and improved as needed.
P-15-021118/ SWCA-L030-1142	Private	Historic	Historic: Refuse and discard.	Can scatter containing 33 cans (hole-in-cap, sanitary). American Period (1904 to 1914).	Historic: Ineligible.	Demolition area and new Structure Work Area.
P-15-021117/ SWCA-L030-1144	Private	Historic	Historic: Homestead/ farm/ranch resource.	Two refuse concentrations, 55+ cans, 12 saw-cut OSB and particle board fragments, six plywood fragments, five asbestos or concrete siding fragments, 3¾-inch square milled posts, wooden gate, chicken wire nailed to a post, plywood drawer face with a metal handle, lamp glass, metal strapping, and other scrap metal. American Period (1904 to 1970s).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new LWS monopole structure and associated work area. Existing access road will be graded and improved as needed.
P-15-021116/ SWCA-L030-1145	Private	Historic	Historic: Refuse and discard.	Refuse scatter including cans (beverage, hole-in-cap), bottle glass shards (amber, colorless, cobalt) including liquor bottles. American Period (1904 to 1975).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. Existing access road will be graded and improved as needed.
P-14-014531/ CA-INY-010840/ SWCA-L030-12035	BLM Ridgecrest FO	Precontact	Precontact: Rock art.	Two petroglyph features.	Precontact: Eligible individually under Criteria 1, 3 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Install 1 new TSP monopole 32 m north of site. Structure removal/installation work areas within site boundary.
SWCA-L030-1258	Private; LADWP	Precontact	Precontact: Lithic concentration.	Fourteen obsidian flakes, one CCS flake.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of portions of a demolition area and new structure work area.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1267	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Water infrastructure resource.	Precontact Component: Nine lithic scatters. 1000-plus pieces of obsidian debitage, 4 obsidian bifaces, 2 obsidian edge-modified flakes. Historic Component: Earthen berm or dam, cairn, concrete pile, refuse scatter. 60+ cans, green glass bottle base, blasting powder can, crushed metal can/bucket, aqua glass base fragment, 4 colorless glass bottle bases with maker's marks, green bottle stippled base, wood, metal wire, nails. American Period (1904 to 1982).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 H-frame structure and associated work areas, adjacent tower removal and installation work areas within site boundary, 2 pull sites, 3 shunt removals, and existing access road will be graded and improved as needed.
SWCA-L030-1271	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Seventeen obsidian flakes, CCS flake. Historic Component: Crushed galvanized metal pail, possible metal cooking pan, 2 fragments of a white porcelain cup base, metal button top with maker's mark, tapered, crushed, galvanized metal spout, triple-plied metal wire, 4 fragments of sun-colored amethyst glass, 5 aqua glass jug fragments, sheet metal cylinder, key-strip metal can. Multi-component feature: Refuse scatter. American Period (mid-1900s to post-1980).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a portion of a demolition site for removal of a structure north of the site boundary.
P-14-014318/ SWCA-L030-1275	Private; LADWP	Historic	Historic: Refuse and discard.	Seventy-eight DuPont blasting powder can (fragmented/Crushed), three DuPont blasting kegs, and other can scatter, metal bowl, and three aqua glass insulators. American Period (1904 to 1970s).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014319/ SWCA-L030-1276	Private	Historic	Historic: Refuse and discard, Rock feature.	Five distinct boulder alignments, artifact concentration. Black powder explosive can, automotive air filter assembly, 32 cans (black powder dynamite cans, hole-in-cap, hole-in-top, sanitary, lid), survey marker, aqua glass insulator. American Period (1904 to 1970s).	Historic: Ineligible.	Temporary laydown yard.
P-14-014320/ SWCA-L030-1278	Private	Historic	Historic: Homestead/ farm/ranch resource.	Two refuse concentrations, one including a collapsed standing structure remnant (possibly a shed). Vacuum cleaner intake port, auto parts (including a fender fragment, window glass, and car seat spring), glass bottle and jar shards (colorless), porcelain fragments, light bulbs, other domestic artifacts, 125+ cans, crown bottle caps, 200+ milled lumber fragments, tire, 25-gallon metal drum, metal pail, miscellaneous metal fragments. American Period (1963 to 1968).	Historic: Ineligible.	Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014325/ CA-INY-010700/ SWCA-L030-1283	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian flake, biface fragments, and edge-modified flake. Haiwee Period (1280 – 610 cal BP). Historic Component: 160+ glass fragments, 100+ cans, whiteware and earthenware fragments, hood and frame of automobile. American Period (1908 to 1950s).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines, remove 1 lattice steel structure with work area, install 1 new TSP multipole with work area, 4 demolition pull sites, 2 shunt removal site, and existing access road will be graded and improved as needed.
P-14-014326/ CA-INY-010701/ SWCA-L030-1285	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Lithic scatter of 39 obsidian flakes. Historic Component: 35+ cans, 20+ glass fragments (including cobalt and sun-colored amethyst), seven bottle bases with maker's marks. American Period (1908 to 1965).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines, 1 guard site, 1 shunt removal site, and existing access road will be graded and improved as needed.
P-14-014328/ CA-INY-010703/ SWCA-L030-1292	LADWP	Historic	Historic: Refuse and discard, Rock feature.	Short rock alignment consisting of seven basalt boulders, low mound of approximately 75 granite and basalt boulders and cobbles. Twelve cans, two glass bottle fragments. American Period (1962 to 1967).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Existing access road will be graded and improved as needed.
P-14-014329/ SWCA-L030-1294	LADWP; BLM Bishop FO	Historic	Historic: Mining resource.	Refuse scatter, four prospect pits. Fly spray canister, stovepipe fragment. 200+ artifacts including cans (variety, spice, baking powder), 5+ Purex bottles, ceramic plug, iron cylinder (possibly a pipe fitting), drinking glass, whiteware fragments, and glass fragments (blue, green, colorless, amber, aqua, window). American Period (1908 to 1935).	Historic: Ineligible.	Remove one H-frame lattice steel tower with associated demolition area. Install one new TSP monopole with associated work area. Both outside site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1295	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian biface fragment, dark gray tertiary basalt flake fragment. Historic Component: Six bottles, 10 cans or can fragments, six glass bottles, one bottle cap, and one whiteware ceramic fragment. American Period (1904 to 1964).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of an existing access road that will be graded and improved as needed.
SWCA-L030-1297	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact: Six isolated flakes (obsidian, jasper, chert) and one obsidian edge-modified flake. Historic: Can scatter, two ceramic insulator scatters. American Period (1904 to 1935).	Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1 Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines, remove 1 lattice steel structure with work area, install 1 TSP monopole with work area, and existing access road will be graded and improved as needed.
P-14-014333/ CA-INY-010708/ SWCA-L030-1307	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian edge-modified flake, 38 obsidian flakes. Historic Component: cans (Olympia pull-tab beer, pop-top, pet food), otillion women's fragrance, bed springs, galvanized chain link fence fragment, tires, vehicle engine fragments, milled lumber, whiteware fragments, rubber washers/rubber fragments, plastic shotgun shells, two colorless bottle finishes, and glass shards (aqua, amber, milk, green, colorless). American Period (post-1967).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of a demolition area associated with the removal of a lattice steel structure outside of the site boundary, and the existing access road that will be graded and improved as needed.
P-14-014334/ SWCA-L030-1400	LADWP	Historic	Historic: Refuse and discard.	Twenty-nine bottle body/base fragments (brown, sun-colored amethyst, green, aqua, colorless), 19 cans, broken porcelain saucer fragment, glass insulator fragment, mule shoe, and metal strap. American Period (1904 to 1935).	Historic: Ineligible.	A small portion of the site is within the Direct APE/API; however, no project components are within the site boundary. A new permanent yard is directly adjacent to the site boundary.
SWCA-L030-15000	SCE; LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Nine obsidian flakes, obsidian biface (possible projectile point fragment). Historic Isolate: Sun-colored amethyst glass bottle neck fragment.	Precontact: Eligible individually under Criteria 1, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Proposed Project components and elements involving ground disturbance within the site boundary consist of small portions of demolition/work areas associated with the removal/ installation of structures northwest of the site boundary, and the existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-15026	LADWP; Private	Historic	Historic: Refuse and discard.	Two refuse concentrations. Approximately 514 glass bottle and body/Crown top finishes/base bottle fragments (colorless, aqua, amber, sun-colored amethyst, olive, blue), 15 glass bottles/bottle fragments with maker's marks, 39 ceramic fragments (brown-glazed earthenware pot, clear-glazed whiteware-some decorative), 345+ cans, and 20 scrap metal fragments. American Period (1890s to 1968).	Historic: Ineligible.	No project components are within the site boundary.
P-14-014534/ CA-INY-010843/ SWCA-L030-15068	BLM Bishop FO	Precontact	Precontact: Multi-class artifact concentration.	Twenty-four lithic flakes (obsidian, chert, basalt), two granite manos.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. No work areas within site boundary.
P-14-014335/ CA-INY-010710/ SWCA-L030-1590	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: Three ceramic scatters, basalt bedrock grinding slick. 208 pieces of debitage (obsidian, basalt, jasper, chert, chalcedony, mica schist), 37 Owens Valley Brown Ware body sherds, obsidian distal biface fragment, 2 obsidian scrapers, obsidian biface lateral margin, basalt mano fragment, mica schist ground stone fragment. Marana period (610 cal BP to historic contact). Historic Component: 46 cans; 30 amber glass fragments; sun-colored amethyst fragment; colorless glass fragment; amber brown bottle base. American Period (1890 to 1962).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Proposed construction material yard is in the northern half of the site.
P-14-014336/ CA-INY-010711/ SWCA-L030-1594	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Mining resource.	Precontact Component: Two isolated obsidian flakes, one biface fragment. Historic Component: Prospect pit. Knife-opened vent-top can. American Period (1915 to 1925).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1 Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014537/ SWCA-L030-16006	Private	Historic	Historic: Refuse and discard.	Eleven cans (sanitary, hole-in-cap, bimetal), six glass bottle fragments (colorless, green), eggshells, and bovine bone fragments. American Period (ca. 1929 to 1960).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014538/ SWCA-L030-16023	CSLC; DOD NAWS China Lake	Historic	Historic: Rock feature.	Brass survey marker, deflated cairn, wood post fragments. Scatter of wood posts. American Period (1945).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1	No project components are within the site boundary.
P-14-014539/ SWCA-L030-16026	CSLC; Private	Historic	Historic: Homestead/ farm/ranch resource.	Rectangular earthen depression, row of four rectangular wood posts protruding from ground surface. Fifty-three glass bottle fragments (amber, sun-colored amethyst), 23 common wire nails, and three metal belt buckles. American Period, (1820 to 1920).	Historic: Ineligible.	New access road that will be graded and improved as needed.
P-15-021098/ SWCA-L030-16027	Private	Historic	Historic: Homestead/ farm/ranch resource.	Refuse scatter enclosed by fence, pile of broken concrete, wood, and plaster (resembles a septic system), wood structure remains, pile of granitic rocks (cobble to boulder-sized), refuse concentration in an oval-shaped earthen depression, concrete foundation with spikes, four concrete footings forming a square, six concrete footings with angled iron anchors and well shaft, infilled wood-lined privy, refuse concentration. Bottle and can fragments, tableware fragments, battery cores, shoe soles, rubber tires, and wood debris. American Period (1923 to 1949).	Historic: Ineligible.	Existing access road is slated for heavy improvements.
P-14-014337/ CA-INY-010712/ SWCA-L030-1673	BLM Bishop FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Two lithic sample areas contained two projectile points (possibly Great Basin Stemmed), obsidian scraper, ceramic rim sherd, obsidian biface fragment and an estimated 1,000+ pieces of obsidian debitage. Paleoindian to Marana period (ca. 14,000 BP to historic contact). Historic Component: Wire nail, hinged tobacco tin.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure, install 1 new monopole and associated work areas, 1 shunt removal site and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014338/ CA-INY-010713/ SWCA-L030-1676	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Isolated obsidian projectile point fragment, one flake. Historic Component: Twenty-eight glass fragments, 26 cans, metal lid, barbed wire. American Period (1900 to 1950s).	Precontact: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove one lattice steel structure and associated demolition area.
P-14-014339/ CA-INY-010714/ SWCA-L030-1677	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Lanceolate-shaped obsidian projectile point, obsidian edge-modified flake, unifacial chert core tool. Early Archaic (ca. 10,000 to 4000 BP). Historic Component: Five refuse scatters of 300+ cans, 250+ glass fragments, six, bottles, indeterminate machine parts, stoneware water jug broken into five fragments, 6 bottle bases with maker's marks. American Period (1908 to 1963).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines, remove one lattice steel structure and two steel H-frame structures with associated work areas, install one new TSP monopole with work area. Existing access road will be graded and improved as needed.
P-14-014401/ CA-INY-010715/ SWCA-L030-1681	BLM Bishop FO	Historic with precontact isolate	Historic: Refuse and discard.	127 glass fragments, 54 cans. American Period (1904 to 1960). Precontact Isolate: Isolated tertiary obsidian flake.	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove one lattice steel structure and associated demolition area. One shunt removal site. Existing access road will be graded and improved as needed.
P-14-014402/ CA-INY-010716/ SWCA-L030-1688	BLM Bishop FO	Historic	Historic: Refuse and discard.	67+ cans and can fragments, screw-top oil barrel, 20 glass fragments, five bottle bases with maker’s marks. American Period (1939 to 1967).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove one lattice steel structure and associated demolition area. Install one TSP monopole with associated work area.
P-14-014403/ SWCA-L030-1689	BLM Bishop FO	Historic with precontact isolate	Historic: Refuse and discard.	Depression filled with historic-era refuse, including wood, 132 glass bottle fragments (colorless, green; including two bottle bases), 23 green Fiestaware ceramic fragments, barbed wire, chicken wire, and 14 cans. American Period (1962 to 1969). Precontact Isolate: Two tertiary obsidian flakes.	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014404/ CA-INY-010718/ SWCA-L030-1692	BLM Bishop FO	Historic	Historic: Refuse and discard.	200+ glass bottle fragments. American Period (1900 to 1920).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Existing access road will be graded and improved as needed.
P-14-014405/ CA-INY-010719/ SWCA-L030-1700	BLM Bishop FO	Precontact	Precontact: Multi-class artifact concentration.	135 Owens Valley Brown Ware sherds, three obsidian biface fragments, obsidian Desert Side-Notched projectile point, 18 obsidian flakes, chert flake. Marana period (610 cal BP to historic contact).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structure, install 1 new TSP monopole outside of site boundary. Associated work areas within site boundary.
P-14-014406/ SWCA-L030-1701	BLM Bishop FO	Historic	Historic: Refuse and discard.	50+ cans and a colorless glass bottle base and finish. American Period (1900 to 1926).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	No project components are within the site boundary; however, the access road that will be graded and improved as needed, is within 5 m of the site boundary.
P-14-014407/ SWCA-L030-1705	BLM Bishop FO	Historic with precontact isolate	Historic: Exploration and transportation resource.	Brass survey marker set in a granite boulder. Amber glass bottle base, four crushed cans (hole-in-cap, steel beer), and a possible metal stopper or plug. American Period (1905 to 1935). Precontact Isolate: One tertiary obsidian flake.	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one LWS monopole with associated work area.
P-14-014408/ SWCA-L030-1706	BLM Bishop FO	Historic	Historic: Refuse and discard.	Twenty-two vehicle components of one truck with a wooden bed (metal, 10+ milled lumber fragments), seven cans (hole-in-top, sanitary, oil), metal crushed Thermos brand vacuum bottle liner, milk glass jar fragment. American Period (1930 to 1940s).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Existing access road will be graded and improved as needed.
SWCA-L030-1707	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource, Refuse and discard.	Precontact Component: Edge-modified obsidian flake tool, 2 obsidian flakes. Historic Component: Cut-down, wooden telegraph pole and associated refuse scatter. 8 hole-in-top cans, 4 sanitary cans, 4 indeterminate crushed cans, 2 meat tin, 2 lids, oil can, cone-top beverage can, square-key can, 3 indeterminate shards of cobalt glass, crushed bottle cap, metal box (or crate), indeterminate fragment of metal. American Period (1904 to 1960).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a demolition area associated with the removal of a lattice steel tower outside of the site boundary, the work area for installation of a new LWS monopole outside of the site boundary, and the existing access roads that will be graded and improved as needed. These

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						project components will involve ground disturbance.
P-14-014410/ CA-INY-010724/ SWCA-L030-1710	BLM Bishop FO	Historic	Historic: Refuse and discard.	Refuse concentration. 117 crushed hole-in-cap cans, 30+ glass bottle fragments, four glass bottle bases (including one sun-colored amethyst glass base), 20+ whiteware fragments, box spring or mattress, automotive parts, horseshoe with eight nail holes. American Period (1903 to 1935).	Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove one lattice steel structure and associated demolition area. Install one TSP monopole with associated work area. One shunt removal site. Existing access road will be graded and improved as needed.
P-14-014411/ CA-INY-010725/ SWCA-L030-2658	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Two lithic scatters, ceramic scatters. 4,000+ lithic debitage pieces (obsidian, jasper, chert, rhyolite, quartzite, basalt, chalcedony, metavolcanic, metasedimentary), 15 bifaces/fragments, four projectile point fragments (possible Pinto), three edge-modified flakes, five Owens Valley Brown Ware ceramic body sherds, core, and a unifacial scraper. Early Archaic to Marana period (10,000 BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structure, install 2 new TSP monopole and associated work areas, 1 splice site, 3 shunt removal site and existing access road will be graded and improved as needed.
P-14-014412/ CA-INY-010726/ SWCA-L030-3560	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource.	Precontact Component: Two lithic scatters. 4 ground stone fragments, biface fragments, obsidian edge-modified tertiary flake, obsidian Elko Corner-Notched point base/ear fragment, obsidian Gypsum Contracting Stem corner-notched point base/lower midsection, 222 obsidian flakes, yellow jasper flake. Single obsidian hydration date of 2683 BP; Early Archaic/Little Lake phase to Middle Archaic/Newberry period (11,000 to 1280 cal BP). Historic Component: Railroad grade. Railroad spike; piece of steel furnace slag; aqua, sun-colored amethyst, amber, and colorless glass; 4 pull tab cans; bimetal can; 12 crushed cans; 3 metal bolts; metal plate; wood posts; barbed wire. American Period (1920 to 1968).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structure, install 2 new TSP monopole and associated work areas, 2 pull sites, and existing access road will be graded and improved as needed.
P-14-014415/ CA-INY-010729/ SWCA-L030-4370	LADWP	Multi-component	Precontact: Residential base. Historic: Homestead/ farm/ranch resource.	Precontact Component: Dimensions: 432 m (NW-SE) × 265 m (NE-SW) Precontact features: 3 granitic boulder rock rings, 3 bedrock milling stations. 14 obsidian flakes, obsidian projectile point. Marana period (610 cal BP to historic contact). Historic Component: Three rock wall segments, timber fence posts. Notes: Possibly protohistoric site.	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas. New overland travel.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014421/ SWCA-L030-4375	LADWP	Historic	Historic: Refuse and discard.	Two refuse concentrations. Patinated colorless glass jar missing lid, six glass bottle bases (colorless, aqua, amber), 171 glass shards, 58 cans/Can fragments. American Period (1926 to 1940).	Historic: Ineligible.	Remove one lattice steel structure with associated demolition area. Install one new TSP monopole with associated work area. Existing access road will be graded and improved as needed.
P-14-014422/ CA-INY-010731/ SWCA-L030-4376	LADWP; County of Inyo	Precontact	Precontact: Multi-class artifact concentration.	Thirty-six lithic debitage pieces, granite unifacial mano fragment.	Precontact: Eligible individually under Criterion 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures and associated work areas. Existing access roads that will be graded and improved as needed.
P-14-014423/ CA-INY-010732/ SWCA-L030-4383	LADWP; Private	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Three bedrock milling slicks on granitic boulders. Historic Component: 32 sanitary and vent-hole cans, 13 colorless glass shards, United States Tobacco Company can lid, 3 colorless glass bottle bases with maker's marks. American Period (1933 to 1976).	Precontact: Eligible individually under Criteria 2 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criteria 1 and 2.	Remove and replace the existing OH subtransmission and telecom lines, install of one new LWS multipole with an associated work area, remove of one lattice steel structure with an associated demolition area, one new LADWP crossing pull site, on pull site, and one shunt removal site.
P-14-014424/ SWCA-L030-4384	LADWP	Historic	Historic: Refuse and discard.	Seven sanitary cans, bimetal beverage can, and two hole-in-top cans. American Period (1962 to 1967).	Historic: Ineligible.	Remove one lattice steel structure with associated demolition area.
SWCA-L030-4385	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian manuport, obsidian tertiary flake. Historic Component: Three refuse concentrations, 1 sample area. Over 1,000 artifacts, including cans (mostly crushed), glass fragments, and a large variety of household and industrial goods. American Period (1924 to 1971).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of one new TSP multipole with an associated work area, two pull sites, and the existing access road that will be graded and improved as needed.
P-14-014427/ CA-INY-010736/ SWCA-L030-4391	LADWP	Multi-component	Precontact: Temporary camp. Historic: Homestead/ farm/ranch resource.	Precontact Component: Possible hunting blind. 85 flakes (obsidian, chert, quartzite), 2 obsidian biface fragments, unmodified obsidian manuport. Obsidian hydration dates range from 9275–3529 BP Middle Archaic/Newberry period (11,000 to 1280 cal BP). Historic Component: 2 possible pet burials, stacked rock feature. 25+ cans, milled lumber in various sizes, whiteware, diverse scatter of domestic refuse that includes a 1974 penny. American Period (1962 to 1974).	Precontact: Eligible individually under Criteria 2 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. New structure associated construction area (structure outside of site boundary), 1 pull site, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014428/ SWCA-L030-4396	LADWP; BLM Bishop FO	Historic	Historic: Homestead/ farm/ranch resource.	Two artifact concentrations, concentration of seven large rocks, burned area, concentration of nine concrete fragments, concentration of concrete, wood, and metal fragments, wood and metal concentration, lumber pile, burned area with slag. Five bottle glass and base fragments (colorless, amber), wood, and metal objects (15+ nails and metal shards), 113 cans, (43 crushed). American Period (1959 to 1965).	Historic: Ineligible.	Remove one lattice steel structure with associated demolition area. Install one new TSP monopole with associated work area. One pull site. Existing access road will be graded and improved as needed.
P-14-014429/ CA-INY-010738/ SWCA-L030-4397	LADWP; BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Seventy-eight pieces of obsidian debitage, 2 possible obsidian cores, obsidian projectile point. Elko Side-notched point dates to 3800–1280 BP Middle Archaic/Newberry period (11,000 to 1280 cal BP). No obsidian hydration data was returned. Historic Component: 71 glass artifacts (including 2 bottle bases with maker's marks), 44 cans, 2 crockery (stoneware) lid sherds, 4 whiteware sherds, cadastral marker, juniper-post fence. American Period (1908 to 1967).	Precontact: Eligible individually under Criteria 1, 2 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures outside of site boundary, install 1 new structure within site boundary, all associated work areas within site boundary, 1 guard structure. Existing access roads that will be graded and improved as needed.
P-14-014430/ SWCA-L030-4398	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Fourteen cans (sanitary, vent-hole, fuel can lid, bimetal pull-tab beverage) and a cluster of fragmented milled lumber. American Period (1962 to 1975). Precontact Isolate: One tertiary obsidian flake	Historic: Ineligible.	Remove one lattice steel structure with associated demolition area. Install one new TSP monopole with associated work area. Existing access road will be graded and improved as needed.
SWCA-L030-4399	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Obsidian biface fragment, 87 pieces of obsidian and chert debitage. Historic Component: Crushed hole-in-cap can with soldered cap and vent hole, metal stovepipe, upright pocket tobacco tin lid. American Period (1908 to 1914).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a small portion of a demolition work area associated with removal and replacement of one structure located outside of the site boundary. The access road, which will be graded and improved as needed, abuts portions of the site boundary.
P-14-014432/ SWCA-L030-4400	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Artifact concentration, area coated in a layer of tar. 370+ cans (sanitary, vent-top, sardine, coffee, tobacco, oil drum), 2,000+ glass fragments and bottle bases (aqua, sun-colored amethyst, amber, colorless, white, and cobalt, porcelain, earthenware, and whiteware	Historic: Ineligible.	Remove two lattice steel structures with associated demolition areas. Install one new LWS monopole with associated work area. Existing access

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				fragments, rear end of a rusted automobile and associated automobile parts. American Period (1920 to 1960). Precontact Isolate: One obsidian primary flake with mahogany banding.		road will be graded and improved as needed.
P-14-014433/ CA-INY-010742/ SWCA-L030-4403	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Twenty-two pieces of obsidian and chert debitage, Pinto-type projectile point base. early Archaic/Little Lake Phase (ca. 10,000 to 4000 BP); Rose Spring point dates to 1500–700 BP, Gypsum Cave point dates to 4000–2800 BP; Obsidian hydration analysis range from 7534–905 BP. Historic Component: 5 solarized amethyst glass shards, amber beverage bottle base with maker's mark, cone-top beer can, 5 steel beverage cans opened with a church key. American Period (1915 to 1960).	Precontact: Eligible individually under Criterion 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines, 2 shunt removal sites, 1 area associated with removal of structure outside site boundary, and existing access road will be graded and improved as needed.
SWCA-L030-4408	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Lithic sample area. Estimated over 2,000 flakes, primarily obsidian. Obsidian biface fragment, 3 obsidian medial biface fragments, obsidian projectile point tip, obsidian projectile point base (possibly from Pinto point), obsidian biface base fragment, obsidian projectile point fragment, obsidian biface with diagonal flaking pattern on both faces, obsidian leaf-shaped biface. Early Archaic period/Little Lake phase (ca. 10,000 to 4000 BP). Historic Component: Three refuse scatters domestic in nature. Multi-component feature: refuse scatter. American Period (1900 to 1939).	Precontact: Eligible individually under Criterion 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole structure and associated work areas, 1 pull site. Existing access roads that will be graded and improved as needed.
P-14-014435/ CA-INY-010744/ SWCA-L030-4414	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Dimensions: 354 m (E-W) × 163 m (N-S). Ceramic sherd, 4 flaked stone tools, obsidian projectile point midsection, obsidian biface, chert core fragment, obsidian edge-modified flake, 8 flakes (obsidian, chert). Marana period (610 cal BP to historic contact). Historic Component: Two refuse scatters domestic in nature. American Period (1905 to ca. 1935).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines, install 1 new TSP monopole with work area, 1 demolition area associated with removal of one structure outside of site boundary, and existing access road will be graded and improved as needed.
P-14-014436/ CA-INY-010745/ SWCA-L030-4415	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Eighty-seven lithic flakes (primarily obsidian), two Owens Valley Brown Ware ceramic body sherds, granitic fire-affected rock, obsidian preform. Middle Archaic/Newberry period (11,000 to 1280	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the	Remove and replace existing OH subtransmission and telecom lines. Structure work area for removal/ installation on edge of site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				cal BP) and Marana period (610 cal BP to historic contact); Obsidian hydration dates range from 6486–628 BP. Historic Isolate: Crushed sanitary can with a cut-around opening.	Owens Valley Landscape under Criterion 1.	Existing access roads that will be graded and improved as needed.
SWCA-L030-4416	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Twenty-six lithic flakes of obsidian and chert, 2 obsidian edge-modified flakes. Historic Component: 3 cans and 23+ glass shards (aqua, colorless, and amber). Post-1904.	Precontact: Eligible individually under Criterion 1, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the removal of one lattice steel structure with an associated demolition area, installation of one LWS monopole with an associated work are, one shunt removal site, and the existing access road that will be graded and improved as needed.
P-14-014438/ SWCA-L030-4417	LADWP	Historic	Historic: Refuse and discard.	Eleven cans (sanitary cans, hole-in-top cans, hole-in-top condensed milk can), 38+ glass and bottle base fragments (sun-colored amethyst, amber, aqua, and green), and a barbed-wire fence wrapped around a tree trunk with a round nail was recorded. American Period (1900 to 1920).	Historic: Ineligible.	One shunt removal site, the demolition area associated with the removal of a lattice steel structure outside of the site boundary, one splice site, and the existing access road that will be graded and improved as needed.
P-14-014439/ SWCA-L030-4418	LADWP	Historic	Historic: Refuse and discard.	Twenty-four cans (bimetal pull-tab beverage cans, all-steel beverage cans, hole-in-top, motor oil with a screw top, upright pocket tobacco tins) and one stoneware sherd. American Period (1962 to 1967).	Historic: Ineligible.	Existing access road that will be graded and improved as needed.
P-14-014440/ SWCA-L030-4419	LADWP	Historic	Historic: Refuse and discard.	Fourteen cans (sanitary, rectangular oil), metal pail, 50+ glass fragments (primarily window, then aqua, amber, and sun-colored amethyst), can lid, amber bottle, spade head. American Period (1901 to 1928).	Historic: Ineligible.	One demolition area associated with the removal of a lattice steel structure outside of the site area, and existing access road will be graded and improved as needed.
P-14-014441/ SWCA-L030-4420	LADWP	Historic	Historic: Refuse and discard.	Can scatter including two spice tins, 18 sanitary cans, and eight hole-in-top cans). American Period (post-1904).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new LWS monopole structure and associated work area.
P-14-014442/ SWCA-L030-4422	LADWP	Historic	Historic: Refuse and discard.	Calcined mammal bone concentration. Fifty-six cans (sanitary, hole-in-cap, hole-in-top, upright pocket tobacco), five glass shards, 15 whiteware sherds, and 150+ faunal bone fragments (long-bone	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new LWS monopole structure and associated work area.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				shafts, tarsals, and possible cranial fragments). American Period (1908 to 1920).		Existing access roads will be graded and improved as needed.
P-14-014443/ SWCA-L030-4429	BLM Bishop FO	Historic	Historic: Refuse and discard.	Thirty-one glass bottle body and finish fragments (colorless, amber, aqua), one glass cup fragment, 15 ceramic sherds (green glaze, white porcelain/white glaze), metal plate, five can lids, and a hole-in-top can. American Period (post-1933).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. One splice site. Existing access roads will be graded and improved as needed.
P-14-014444/ SWCA-L030-4433	LADWP	Historic	Historic: Refuse and discard.	Artifact concentration. Two glass bottle drops (two colorless, two brown) and other glass shards, one ceramic drop (n=8), 15 cans, eight mason jar objects (lids, rings), 23+ milled wood fragments, 33 bundles of baling wire, metal bed frame with wood, degraded metal fragments, 323+ glass fragments (amber, colorless, green, aqua, sun-colored amethyst, whole oval bottle), dishware fragments (blue-glazed, crockery). American Period (1943 to 1995).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-4436	LADWP	Precontact	Precontact: Lithic concentration.	Fifty-five obsidian flakes, Borax Lake Cluster point, projectile point, biface. Early Archaic period/Little Lake phase (ca. 8000 to 5000 BP).	Precontact: Eligible individually under Criterion 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	A portion of the site boundary lies within the Direct APE/API and a demolition work area for removal of a lattice steel tower abuts the northeastern site boundary.
P-14-014446/ SWCA-L030-4438	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Artifact concentration. Approximately 66 metal (primarily associated with kitchen-ware and vehicles), glass, and four wood artifacts (milled lumber). One glass bottle drop and other glass fragments, 14 cans, mason jar lid and ring, and 13 metal scraps. American Period (1908 to 1960).	Historic: Ineligible.	Removal of one lattice steel structure with an associated demolition area, the work area for installation of a TSP monopole outside of the site boundary, and existing access road will be graded and improved as needed.
P-14-014447/ SWCA-L030-4439	LADWP	Historic	Historic: Refuse and discard.	Three refuse concentrations. 260+ glass bottle fragments and bases (green, colorless, sun-colored amethyst, aqua), 41 cans, head gasket, metal strapping, a metal pipe, gasket pieces, door panels, U joint-bolt, hacksaw, crushed funnel, metal washer, 2 metal lids, three metal bottle caps, and various lengths of wire. American Period (1908 to ca. 1962).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014448/ SWCA-L030-4446	Private; LADWP; BLM Bishop FO	Historic	Historic: Refuse and discard.	Nineteen metal fragments, one colorless glass shard, and one brown glass bottle base. American Period (1934 to 1949).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. One pull site. One guard site.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014449/ SWCA-L030-4447	LADWP	Historic	Historic: Refuse and discard.	Eighty-five metal (cans, lids, lard pails, muffler, metal bands), glass bottle fragments and bases (aqua, colorless, brown, amber, sun-colored amethyst), and ceramics (stone ware). American Period (1908 to 1967).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014450/ SWCA-L030-4448	LADWP	Historic	Historic: Refuse and discard.	Approximately nine 6 cans, large metal drum, milk canister, stovepipe, sheet metal scraps, and 43 glass fragments (amber, colorless, window, milk glass). American Period (1957 to 1975).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-5476	LADWP	Precontact	Precontact: Lithic concentration.	Lithic scatter consisting of 122 obsidian flakes.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	No project components within site boundary.
P-14-014452/ CA-INY-010761/ SWCA-L030-5479	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Two lithic scatters. 1000+ flakes (obsidian, chert, jasper, chalcedony), 20 obsidian biface fragments, 5 obsidian edge-modified flakes, obsidian projectile point fragments (including possible Cottonwood point), complete obsidian projectile point, obsidian core, basalt cobble fragment with a rounded edge and possible very light grinding, granite mano, fragment of ground mica schist. Marana period (610 cal BP to historic contact). Historic Component: Two .22 caliber rimfire bullet casings, 141 glass fragments, 11 porcelain tableware fragments (3 painted), 3 colorless glass bottle bases with maker's marks, green glass bottle base with maker's mark, amber glass bottle base with maker's mark. American Period, post-1943.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, 1 shunt removal site.
P-14-014453/ SWCA-L030-5483	BLM Bishop FO	Historic	Historic: Homestead/ farm/ranch resource.	Three refuse concentrations, an earthen depression, a concrete footing, and a steel tank. 94 cans, 92 glass bottle/jar fragments and bases (colorless, amber, green, aqua), milled lumber and steel utility pipe scatter, 21 unidentified glass fragments, oil barrel, batteries, miscellaneous metal including mesh, 50 milled lumber scraps, and an oil filter. American Period (1940 to 1950).	Historic: Ineligible.	Construction materials yard within site boundary.
SWCA-L030-5485	BLM Bishop FO	Historic with precontact isolate	Historic: Homestead/ farm/ranch resource.	Refuse dump, collapsed pump house with associated debris, 4 concrete footings. Approximately 350 artifacts, including 275+ cans/fragments, amber glass bottle, amber glass fragments, and an insulator fragment. American Period (1915 to 1947). Precontact Isolate: Four obsidian tertiary flakes.	Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the removal and replacement of the existing OH subtransmission and telecom lines, removal of one H-frame

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						structure with an associated demolition area, installation of one new TSP multipole with an associated work area, two pull sites, and the existing access road that will be graded and improved as needed.
P-14-014455/ CA-INY-010764/ SWCA-L030-5489	BLM Bishop FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Eighty-eight 88 obsidian flakes, 2 ground stone fragments, stem of weak-shouldered obsidian projectile point (possibly Great Basin Stemmed Cluster), edge-modified flake. Paleoindian period (14,000 to 11,500 cal BP). Historic Component: 6 cans and can fragments, 2 white ceramic insulator fragments, glass liquor flask with maker's mark, 2 chunks of concrete. American Period (1945 to 1975).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a demolition area for the removal of one lattice steel structure, installation of one new TSP monopole with an associated work area, and the existing access roads that will be graded and improved as needed.
P-14-014456/ CA-INY-010765/ SWCA-L030-5490	LADWP; BLM Bishop FO	Precontact	Precontact: Multi-class artifact concentration.	Fifty-seven flakes (obsidian, jasper), obsidian convex base projectile point, obsidian core, unifacial basalt metate, obsidian tertiary flake with wear, two obsidian bifaces/fragments.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new LWS monopole and associated work areas. Existing access roads that will be graded and improved as needed.
SWCA-L030-5491	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Thirteen obsidian flakes, including obsidian edge-modified flake. Historic Component: 50 cans, glass bottle base, green glass bottle with maker's mark, metal Kerr economy jar lid, square can. American Period (1917 to 1940).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the installation of one TSP multipole with an associated work area, a demolition area associated with removal of a lattice steel structure outside of the site boundary, and the existing access road that will be graded and improved as needed.
SWCA-L030-5495	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Sixteen flakes (obsidian, chert; edge-modified obsidian flake included).	Precontact: Ineligible individually, eligible as a contributor to the Owens	Project components and elements involving ground disturbance within the site boundary consist of a small portion of one shunt removal site and a small portion of the existing access

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
				Historic Component: Collector's pile. 2 buckles, 3 saddle pins, 2 horseshoe nails, metal button with 4 holes, dark olive glass base, at least 10 freshwater clamshell fragments. American Period.	Valley Landscape under Criterion 1. Historic: Ineligible.	road that will be graded and improved as needed.
SWCA-L030-5496	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Eighty-nine obsidian flakes, 3 obsidian biface fragments, obsidian projectile point base fragment. Historic Component: Metal can lid, metal pail with the base cut off, amber glass fragment, smoky glass bottle body fragment with partial base. American Period.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a small portion of one shunt removal site and a small portion of the existing access road that will be graded and improved as needed.
P-14-014460/ SWCA-L030-5497	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Eight obsidian flakes, obsidian biface tip. Historic Component: Four cans, metal buckle, altered spoon, spoon missing handle, knife missing handle. American Period, post-1908.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new LWS monopole structure and associated work area. Three shunt removal sites. Existing access roads will be graded and improved as needed.
SWCA-L030-5498	BLM Bishop FO	Precontact with historic isolate	Precontact: Lithic concentration.	Fourteen obsidian debitage pieces, obsidian biface fragment. Historic Isolate: Olive glass bottle fragment with champagne-style finish.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of the removal of one lattice steel structure with an associated demolition area, installation of one LWS monopole with an associated work area, four shunt removal sites, and the existing access road that will be graded and improved as needed.
P-14-014462/ SWCA-L030-5502	BLM Bishop FO	Precontact	Precontact: Multi-class artifact concentration.	Fifty-two obsidian flakes, two gray chert flakes, basalt metate fragment.	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of one shunt removal site and the existing access road that will be graded and improved as needed.
P-14-014463/ SWCA-L030-5504	BLM Bishop FO	Precontact with historic isolate	Precontact: Residential base.	Basalt rock ring. 160 obsidian flakes, two mano fragments, granite metate fragment, indeterminate obsidian biface, chert tool (possibly a drill), primarily unifacially worked flake. Marana period (610 cal BP to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the	Remove and replace existing OH subtransmission and telecom lines. Removal/install work area within site boundary. New TSP multi-pole

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				Historic Isolate: Upright pocket tobacco tin with striking plate, upright pocket tobacco tin lid, cut-around-opened sanitary can. American Period after 1908.	Owens Valley Landscape under Criterion 1.	installation adjacent to the northwestern site boundary, remove 1 lattice steel structure 15 m west-northwest of site boundary. Existing access roads that will be graded and improved as needed.
P-14-014464/ SWCA-L030-5505	LADWP; BLM Bishop FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/ farm/ranch resource.	Precontact Component: Ceramic scatter. 268 flakes (obsidian, chert), bifacial granite mano, two biface fragments, and 28 brown ware sherds. Marana period (610 cal BP to historic contact). Historic Component: Basalt wall and juniper-post barbed-wire fence. Note: One feature of indeterminate age, a semicircular basalt wall built against a natural basalt outcrop or dike.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas. Existing access roads that will be graded and improved as needed.
P-14-014465/ SWCA-L030-5506	LADWP; BLM Bishop FO	Precontact	Precontact: Lithic concentration.	517 pieces of obsidian and white chert debitage, three projectile point fragments (two possible Rose Spring Corner-Notched), obsidian biface fragment, obsidian edge-modified tertiary flake. Haiwee Period (1280 – 610 cal BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Associated structure work areas within 2 m of the southern site boundary.
P-14-014466/ SWCA-L030-5509	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Forty-four obsidian flakes, obsidian biface preform, obsidian corner-notched projectile point base fragment. Historic Component: Refuse scatter of metal pieces, 8 cans, 20 fragments of milled lumber, 15 colorless glass shards, 25+ amber glass shards, 2 bottle bases with maker's mark, teapot spot, milled lumber, metal hardware structure. American Period (1908 to 1935).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Proposed project components and elements involving ground disturbance within the site boundary consist of the installation of one new TSP multipole with an associated work area, removal of one lattice steel structure with an associated demolition area, and the existing access road that will be graded and improved as needed.
P-14-014467/ SWCA-L030-5513	BLM Bishop FO	Precontact	Precontact: Habitation area.	Ten rock-enclosed house pits, five earthen depressions infilled with basalt cobbles, possible windbreak/work area, concentration of Owens Valley Brown Ware. 126 flakes (primarily obsidian), four Owens Valley Brown Ware sherds, two biface fragments, two edge-modified flakes, two projectile point fragments, core/hammer stone, eight ground stone fragments (including metate and comal). Marana period (610 cal BP to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Remove 1 lattice steel structures, install 1 new TSP monopole and associated work areas, 1 pull site, 3 shunt removal sites, and existing unpaved access roads that will be graded and improved as needed.
P-14-014468/ SWCA-L030-5516	BLM Bishop FO	Historic	Historic: Homestead/ farm/ranch resource.	Barbed-wire enclosure. Amber bottle base, two cans (sanitary, beverage). American Period (1926 to 1969).	Historic: Ineligible.	Remove one H-frame structure and associated demolition area. Install one

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						new LWS monopole structure and associated work area. One shunt removal site. Existing access road will be graded and improved as needed.
P-14-014469/ CA-INY-010778/ SWCA-L030-5517	LADWP; BLM Bishop FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/ Farm/Ranch resource.	Precontact Component: Three lithic scatters, basalt outcrop with 2 bedrock mortars. 500-plus pieces of debitage (obsidian, chert), flaked stone tools, a Gatecliff-style projectile point, battered stone, ground stone, and ceramics. Early Archaic period/Little Lake Phase to Middle Archaic/Newberry period (5000 to 3000 cal BP). Historic Component: Faunal bone scatter, 2 can/glass sample areas, 4 refuse scatters, concrete and cobble footing, concrete well or tank. American Period (1917 to 1959).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criteria 1 and 2.	Remove and replace existing OH subtransmission and telecom lines. Remove 4 lattice steel structures, install 1 TSP monopole and 1 TSP multi-pole and associated work areas, 2 pull sites, 2 guard structures, and 2 shunt removal sites. Multiple existing access roads that will be graded and improved as needed, as well as multiple proposed overland travel routes through site.
P-14-014471/ CA-INY-010780/ SWCA-L030-5519	LADWP	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Eleven bedrock milling features. 161 obsidian flakes, 36 chert flakes, 8 Owens Valley Brown Ware body sherds, 4 manos, 3 metate fragments, 4 edge-modified flakes, Rose Springs stemmed obsidian projectile point, biface fragment, 4 blue hexagonal glass trade beads. Haiwee and Marana periods (1280 cal BP to historic contact). Historic Component: 40+ cans, 5 porcelain body sherds, 6 porcelain rims, 12 earthenware body sherds, and 11 earthenware rim sherds, 3 bottle bases. American Period (1890 to 1950s).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove H-frame structure located 15 m north of site boundary. Associated work areas within site boundary. Existing unpaved access roads that will be graded and improved as needed.
P-14-014472/ CA-INY-010781/ SWCA-L030-5520	LADWP, County of Inyo	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Precontact Component: Owens Valley Brown Ware scatter, six granite bedrock milling stations, and three rock enclosures that may be rock-lined house pits, lithic sample area. 206 flakes (obsidian, chert, chalcedony, basalt), one projectile point fragment, one biface preform, three biface fragments, six edge-modified flakes, and two battered stones. Marana period (610 cal BP to historic contact). Historic Component: 515 cans, 524 glass fragments, 22 bottle bases with maker's marks, additional glass artifacts. Notes: An additional feature, a looter's cache, was also documented.	Precontact: Eligible individually under Criteria 1, 2, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criteria 1 and 2.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures, install 2 new LWS monopole structures and associated work areas within site boundary. Removal/installation of another set of structures just northwest of site boundary, associated work areas within site boundary, 2 guard structures, and 3 shunt removal sites. Existing unpaved access roads that will be graded and improved as needed.

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P-14-014473/ CA-INY-010782/ SWCA-L030-5522	LADWP	Multi-component with protohistoric artifacts	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Unifacial micaceous schist metate fragment with use wear on one surface and a well-developed basin, obsidian edge-modified secondary flake with edge damage on both lateral margins. Protohistoric cobalt blue glass hexagonal tube bead (1700 to 1850). Historic Component: 150+ glass bottle fragments, 76 cans, metal pail. White four-hole sew-through Prosser (glass-like ceramic) button. American Period (1890 to 1930).	Precontact: Eligible individually under Criteria 1 and 2, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of new overland travel routes, which would involve ground disturbance.
P-14-014474/ SWCA-L030-5523	LADWP	Historic	Historic: Refuse and discard.	Seventy-eight can/Can fragments, 300+ glass bottle fragments and bases (amber, colorless, aqua, green, milk glass), 19 ironstone dish fragments. American Period (1901 to 1940).	Historic: Ineligible.	No project components involving ground disturbance overlap the site boundary.
SWCA-L030-5524	LADWP; Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Dimensions: 416 m (NE-SW) × 256 m (NW-SE). Two obsidian projectile point fragments. Historic Component: 4 refuse concentrations, set of 10 rock alignments, Chrysler Airflow sedan body, 626 historic-era cans, approximately 841 glass fragments. American Period (1896 to 1969).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of an existing access road in the eastern end of the site that will be graded and improved as needed.
P-14-014476/ SWCA-L030-5845	BLM Bishop FO	Historic	Historic: Refuse and discard.	693 cans, five white earthenware dish fragments, and 20 milk glass fragments. American Period (ca. 1960s).	Historic: Ineligible.	One pull site.
P-14-014477/ SWCA-L030-5846	Private; LADWP; BLM Bishop FO	Historic	Historic: Refuse and discard.	100+ artifacts consisting of domestic refuse ranging from canning jars to cars and lawn chairs to ladders. American Period (1933 to 1960s).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014666/ CA-INY-010922/ SWCA-L030-6000	SCE	Precontact	Precontact: Residential base.	Bedrock milling station. Granite mano, granodiorite metate fragment, two projectile points/fragments (Pinto, Great Basin Stemmed–style), unifacial tool fragment, edge-modified flake, 79 flakes (primarily obsidian with metasedimentary and basalt). Paleoindian period to the Early Archaic period/Little Lake Phase (14,000 to 8000 cal BP).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Existing access road will be graded and improved as needed.
SWCA-L030-6001	SCE	Precontact with historic isolate	Precontact: Lithic concentration.	Obsidian Gypsum projectile point base fragment, nine obsidian debitage pieces. Early Archaic period/Little Lake phase (approximately 4000 to 1800 cal BP). Historic Isolate: Five cans (sanitary, coffee, beverage). American Period, post-1935.	Precontact: Eligible individually under Criterion 1, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of the existing access road that crosses the southeasternmost edge of the site and

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						will be graded and improved as needed.
P-14-014481/ SWCA-L030-6004	BLM Bishop FO	Historic	Historic: Refuse and discard, water infrastructure resource.	Galvanized metal pipe, embedded vertically in the ground. 12 cans (sanitary, tobacco tins), a Mason jar lid, eight metal straps, and two wire scraps. American Period (post-1908).	Historic: Ineligible.	Removal of a lattice steel structure with an associated demolition site.
SWCA-L030-6074	LADWP; Private	Historic	Historic: Mining Resource.	Mine adit, remnant of Inyo Mesa Canal Extension of Owens River. 189 cans, 91 ceramic sherds (stoneware/iron stoneware, porcelain), 5+ Mason jar finish fragments, 1,650+ glass bottle fragments and bases (colorless, sun-colored amethyst, aqua, amber), porcelain plate fragment, decorated cup with maker's mark. American Period (1873 to 1969).	Historic: Ineligible.	Portions of the site are located within the Direct APE/API. Existing unpaved access road will be graded and improved as needed.
P-14-014483/ SWCA-L030-6076	LADWP	Historic	Historic: Refuse and discard.	Sixty-six cans (including sanitary, bimetal beverage, meat, hole-in-top condensed milk, coffee, aerosol), nine glass bottles and jars (beverage, Coca-Cola, pickle or mayonnaise jar) (colorless, green), 20+ colorless glass fragments, burned fragmentary white earthenware pedestal serving platter, wire, and 1/8-inch wire mesh. American Period (1925 to 1970).	Historic: Ineligible.	The northeastern edge of the site overlaps the existing access road that will be graded and improved as needed.
P-14-014484/ SWCA-L030-6077	LADWP	Historic	Historic: Refuse and discard.	Twenty cans (sanitary, aerosol), motor, rectangular base with wheels (assumed to belong to a vacuum cleaner). American Period (1935 to 1967).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. Two shunt removal sites.
P-14-014485/ SWCA-L030-6078	LADWP	Historic	Historic: Refuse and discard.	Sixty-five identifiable artifacts, 61 fragmented: Cans (beverage, sanitary, condensed, bimetal, oil, rectangular with hinged lid), 69 glass bottles/fragments and bases (colorless, brown, green). American Period (1917 to 1967).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. Two pull sites. Existing unpaved access road that will be graded and improved as needed.
P-14-014486/ SWCA-L030-6079	LADWP	Historic	Historic: Refuse and discard.	Burned refuse concentration. 40 cans (beverage, bimetal, meat, sanitary, condensed milk, flat hinged-lid, coffee), cookware lid, and three glass bottle bases (one to a flask; amber and colorless). American Period (1917 to 1984).	Historic: Ineligible.	Remove one lattice and two H-frame steel structures and associated demolition areas. Install two new TSP monopole structure and associated work area. Existing unpaved access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014487/ SWCA-L030-6081	LADWP	Historic	Historic: Refuse and discard.	Eighty-six glass bottle fragments and bases (colorless, green, brown, amber), seven cans (hole-in-top, sanitary), miscellaneous car part. American Period (1954 to 1973).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. One pull site. Existing unpaved access road that will be graded and improved as needed.
P-14-014488/ SWCA-L030-6082	LADWP	Historic	Historic: Homestead/ farm/ranch resource.	Artifact concentration, low-lying rectangular concrete structural foundation. 25 historic-era bottle bases with maker's marks, two ceramic tableware fragments, crockery sherd with maker's mark, 1,000+ cans. American Period (1908 to 1977).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014489/ SWCA-L030-6083	Private	Historic	Historic: Refuse and discard, Rock feature.	Series of holes drilled on a granitic boulder (forming a cross). 300+ artifacts: 290+ glass bottles, bases, and fragments (brown, aqua, colorless, green), 52 cans. American Period (1945 to 1978).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014490/ CA-INY-010799/ SWCA-L030-6350	DOD NAWS China Lake	Precontact	Precontact: Lithic concentration.	Approximately 100 lithic artifacts including debitage, biface thinning flakes, and a lanceolate-shaped projectile point (possibly Desert Side Notched). Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), Marana Period (610 BP to contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. Two work areas associated with removal/installation of structures to be outside site boundary. Existing access road will be graded and improved as needed.
P-14-014491/ CA-INY-010800/ SWCA-L030-6352	DOD NAWS China Lake	Precontact	Precontact: Lithic concentration.	Lithic scatter (possible single-reduction locus). Obsidian edge-modified flake, 15 flakes, two obsidian biface fragments. Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), and Marana Period (610 BP to contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines, 2 work areas associated with installation/removal of structures, 1 pull site, 1 shunt removal site, and the existing access road that will be graded and improved as needed.
P-14-014492/ CA-INY-010801/ SWCA-L030-6356	Private; DOD NAWS China Lake	Precontact with historic isolate	Precontact: Lithic concentration.	Fifteen tertiary flakes. Historic Isolate: Crushed hinge-top tobacco tin.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines, 2 work areas associated with installa-tion/removal of structures, and the existing access road that will be graded and improved as needed.
P-14-014493/ CA-INY-010802/ SWCA-L030-6359	DOD NAWS China Lake	Multi-component	Precontact: Lithic concentration.	Precontact Component: Seven obsidian flakes, obsidian biface fragment, obsidian biface stem fragment from an indeterminate tool.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Remove and replace existing OH subtransmission and telecom lines, install 1 TSP monopole, remove 1

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.	Historic Component: 27 glass bottle body fragments, bottle base, 10 cans. American Period (1890 to the 1950s).	Valley Landscape under Criterion 1. Historic: Ineligible.	lattice steel structure, 2 associated work areas, and the existing access road that will be graded and improved as needed.
P-15-021102/ SWCA-L030-6360	DOD NAWS China Lake	Historic	Historic: Refuse and discard.	Nine cans/fragments (beverage, bimetal, unidentified), 66 glass bottle fragments and bases (colorless, amber, cobalt, aqua, green), milk glass tableware fragment. American Period (1953 to 1965).	Historic: Ineligible.	One pull site.
P-15-021101/ SWCA-L030-6361	SCE	Historic	Historic: Refuse and discard.	16+ cans/fragments (sanitary, internal friction, beverage, bimetal, unidentified), 7 colorless glass bottle fragments base. American Period (late 1960s to early 1970s).	Historic: Ineligible.	construction materials yard.
P-14-014494/ CA-INY-010803/ SWCA-L030-6363	BLM Ridgecrest FO	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: 25 bedrock milling features, hearth. Approximately 30 tertiary obsidian flakes, granite bifacial hand stone with pecking marks (possible pestle), basalt unifacial mano, battered basalt hand stone with pecking scars on both ends, fine-grained basalt bifacial mano fragment. Historic Component: Over 150 cans, 38 glass fragments. American Period (1908 to 1967).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Remove 2 lattice steel structures (1 structure 6 m outside of site boundary), install 2 new TSP monopole structures and associated work areas, and existing access road will be graded and improved as needed.
P-14-014495/ CA-INY-010804/ SWCA-L030-6365	Private	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Precontact Component: Rockshelter, three bedrock milling features, and an artifact scatter of lithic debitage, ceramic sherds, and ground stone. 104 flakes (obsidian, chert, jasper, chalcedony), unifacial sandstone mano, unifacial granite mano, plain brown ware ceramic body sherd with mica temper, edge-modified obsidian flake. Marana period (610 cal BP to historic contact). Historic Component: 10 cans and glass bottle base interspersed with modern refuse. American Period (1904 to 1950s).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Removal 2 lattice steel structures (1 structure 30 m outside of site boundary), install 2 new TSP monopole structures (1 structure 20 m outside of site boundary). All associated work areas within existing site boundary, 1 pull site, and existing access road will be graded and improved as needed.
P-14-014496/ CA-INY-010805/ SWCA-L030-6366	DOD NAWS China Lake	Precontact	Precontact: Lithic concentration.	Twenty-five lithic flakes (obsidian, chalcedony), including two obsidian edge-modified flakes, and an obsidian bifacial thinning flake modified and utilized along two edges. Archaic/Newberry Period (3800 to 1280 BP), latter part of the Haiwee Period (1280 to 610 BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	One pull site and existing access road that will be graded and improved as needed.
SWCA-L030-6367	Private; DOD NAWS China Lake	Precontact	Precontact: Lithic concentration.	Eighteen obsidian tertiary flakes.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens	Existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Valley Landscape under Criterion 1.	
P-15-021100/ SWCA-L030-6368	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Seventy-two cans (sanitary, hole-in-cap, hole-in-top, external friction), 250+ glass bottle fragments and bases (aqua, amber, colorless, sun-colored amethyst), 15+ whiteware ceramic sherds from a porcelain saucer, ceramic bowl fragment. American Period (1923 to 1953).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014499/ CA-INY-010808/ SWCA-L030-6370	BLM Ridgecrest FO	Precontact	Precontact: Temporary camp.	One fire-affected rock concentration. 42 obsidian flakes, two edge-modified obsidian flakes. Early Middle Archaic/Newberry Period (1692 and 2118 BP).	Precontact: Eligible individually under Criterion 4, eligible as contributor to expanded Fossil Falls Archaeological District under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Remove and replace existing OH subtransmission and telecom lines. and existing access road will be graded and improved as needed.
SWCA-L030-6373	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Eight early-stage reduction obsidian flakes, 2 edge-modified flakes. Historic Component: One can fragment, complete amber bottle with maker's mark. American Period (ca. 1946).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of one shunt removal site and the existing access road that will be graded and improved as needed.
P-14-014501/ SWCA-L030-6379	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Mining resource.	Prospect pit, waste dump, refuse sample area. Eight glass bottle bases with maker's marks (colorless, amber, aqua, solarized pink), ceramic whiteware plate base with maker's mark, barrel hoops, metal springs, metal pulley, milled lumber, vehicle tires, light bulbs, glass and plastic toys, shoe soles, concrete blocks, terra cotta fragments, aluminum pipes, 27 cans (hole-in-cap, sanitary, beverage, meat). American Period (1908 to 1968). Precontact Isolate: Six chalcedony primary flakes, obsidian tertiary flake, ed chert cobble (two-piece refit).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-14-014502/ SWCA-L030-6381	BLM Ridgecrest FO	Historic	Historic: Mining resource.	Prospect pit. American Period.	Historic: Ineligible.	Remove two lattice steel structures and associated demolition areas. Install one new LWS monopole structure and associated work area. One pull site.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-14-014503/ SWCA-L030-6382	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Twenty-two cans (hole-in-cap oil, hole-in-cap, sanitary) and one crushed metal pail. American Period (1904 to 1950s).	Historic: Ineligible.	Two pull sites.
P-14-014506/ CA-INY-010815/ SWCA-L030-6389	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Bedrock milling station.	Precontact Component: Bedrock milling feature. Two tertiary obsidian flakes. Historic Isolate: Two cans (rectangular oil, church key-opened sanitary). American Period, post-1935.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
SWCA-L030-6396	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Fifty-two obsidian tertiary flakes, one quartzite secondary flake, proximal portion of an obsidian biface, distal portion of an obsidian biface, obsidian edge-modified flake. Historic Component: White ceramic plate with maker's mark, three church key–opened sanitary cans. American Period (1953 to 1968).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site consist of the existing access road that will be graded and improved as needed.
P-14-014509/ CA-INY-010818/ SWCA-L030-6397	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Thirty-five obsidian tertiary flakes, obsidian edge-modified flake, obsidian biface fragment, granitic metate fragment, obsidian biface midsection, Elko Corner-Notched obsidian projectile point, vesicular basalt metate/basin broken into three pieces. Middle Archaic/Newberry period (3800 to 1280 cal BP). Historic Component: 14 cans. American Period (1935 to 1970).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Located outside of ROW. Existing access road will be graded and improved as needed.
P-14-014510/ CA-INY-010819/ SWCA-L030-6399	BLM Ridgecrest FO	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Precontact Component: Lithic scatter. 182 obsidian tertiary flakes, granite metate ground stone with exfoliated surface, fire-affected basalt metate fragment that exhibits bifacial use wear, medial portion of an obsidian late-stage biface fragment, chalcedony late-stage biface fragment missing distal portion. Historic Component: 223 cans, 110+ shards of glass, 8 diagnostic bottles, 2 property markers. American Period (1906 to 1968).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Located outside of ROW. Existing access road will be graded and improved as needed and a proposed helicopter landing zone.
SWCA-L030-6400	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Six cans (sanitary, cone-top, Olympia beer pull-tab) with bullet holes, seven amber glass bottle body fragments. American Period (1935 to 1967).	Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a small portion of a demolition area associated with removal of a lattice steel tower outside of the site boundary, and the

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
						existing access road that will be graded and improved as needed.
P-14-014512/ CA-INY-010821/ SWCA-L030-6401	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Precontact Component: Milling slick. Four tertiary obsidian flakes. Historic Component: 34 cans, 500+ glass, five temporally diagnostic glass bottle bases. American Period (1953 to 1970).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
P-14-014513/ CA-INY-010822/ SWCA-L030-6402	DOD NAWS China Lake; BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard, Rock feature.	Precontact Component: Three basalt milling features. Four tertiary obsidian flakes. Historic Component: Survey marker, 2 cans. American Period (1945 to 1967).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of an existing access road that will be graded and improved as needed abutting the western edge of the site boundary and the southeastern edge of the site.
SWCA-L030-6413	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Five obsidian tertiary flakes, edge-modified obsidian flake. Historic Component: 10 cans. American Period (1962 to 1975).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the removal of a lattice steel structure with an associated demolition area, installation of a TSP multipole with an associated work area, two new pull sites, and the existing access road that will be graded and improved as needed.
P-14-014516/ SWCA-L030-6415	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Twenty-two cans (sanitary, fuel, hole-in-top, upright tobacco, meat, paint, unidentified), 14 glass bottles and fragments (colorless, amber, green), three ironstone sherds from a single vessel. American Period (1880s to ca. 1925).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-6416	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Two tertiary obsidian flakes, projectile point fragment. Historic Component: 60+ cans. American Period (1904 to 1914).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-6417	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Two refuse dumps. 14 cans (sanitary, hole-in-top), five bottle bases with maker's marks, 158+ glass bottle fragments (amber, colorless, olive, and green). American Period (1930 to 1959).	Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a demolition area associated with removal of a lattice steel structure adjacent to the western site boundary, and a work area associated with installation of a LWS monopole outside of the site boundary. The existing unpaved access road is within 5 m of the western site boundary.
SWCA-L030-6418	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Twenty obsidian tertiary flakes, two edge-modified flakes. Historic Component: 16 cans. American Period (1917 to 1929).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
P-14-014520/ CA-INY-010829/ SWCA-L030-6419	BLM Ridgecrest FO	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Precontact Component: Eight edge-modified flakes, two projectile points, and two biface fragments. Four Owens Valley Brown Ware sherds, 163 obsidian flakes. Latter part of the Middle Archaic/ Newberry Period (3800-1280 cal BP), Haiwee Period (1280-610 cal BP), and Marana period (610 cal BP to historic contact). Historic Component: Seven glass bottle body, 2 cans, common ferrous cut nail. American Period (1935 to 1967).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Located outside of ROW. Existing access road will be graded and improved as needed.
P-14-014521/ SWCA-L030-6420	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Two obsidian biface fragments. Historic Component: Artifact concentration. 287+ paint and condensed milk cans (sanitary, hole-in-top, external friction, internal friction, spout, screw top), Fiestaware, 766+ glass fragments (sun-colored amethyst, blue, amber, milk glass, green, aqua, and colorless), 17+ ceramic sherds, and 34+ large-diameter iron pipes. American Period (1923 to 1956).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-6421	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: 312 obsidian flakes. Historic Component: 5 cans and can fragments, glass bottle and glass bottle fragments, bolt. American Period (1904 to 1963).	Precontact: Ineligible individually, eligible as a contributor to the Owens	Project components and elements involving ground disturbance within the site boundary consist of the

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
					Valley Landscape under Criterion 1. Historic: Ineligible.	existing access road that will be graded and improved as needed.
P-14-014523/ SWCA-L030-6422	BLM Ridgecrest FO; LADWP	Historic	Historic: Refuse and discard.	Approximately 300 crushed/fragmented cans (hole-in-cap, sanitary, hole-in-top cans). American Period (1900 to 1914).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. One shunt removal site. Existing unpaved access road that will be graded and improved as needed.
P-14-014525/ CA-INY-010834/ SWCA-L030-6428	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: 221 flakes, obsidian biface worked along one edge, obsidian edge-modified flake worked bilaterally. Elko Corner-notched point Haiwee Period (1280-610 cal BP), Middle Archaic/Newberry Period (3800-1280 cal BP) though recent studies suggest that some Elko series points may have an earlier manifestation. Historic Component: 4 cans, glass bottle finish and glass fragment. American Period (1962 to 1970).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Demolition site for removal of lattice steel structure north of site boundary. Existing unpaved access road that will be graded and improved as needed.
P-14-014526/ CA-INY-010835/ SWCA-L030-6430	Private	Precontact	Precontact: Lithic concentration.	Eleven obsidian flakes.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of a demolition area associated with the removal of a lattice steel tower adjacent to the eastern site boundary, a work area for installation of a TSP monopole east of the site boundary, and a new access road that will be graded and improved as needed.
P-14-014527/ CA-INY-010836/ SWCA-L030-6432	Private	Precontact	Precontact: Lithic concentration.	529+ flakes, three obsidian biface fragments, four obsidian projectile points/fragments, two obsidian edge-modified flakes. Early Archaic period/Little Lake Phase to Middle Archaic/Newberry period (10,000–1280 cal BP).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Located outside of ROW. Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
P-15-021099/ SWCA-L030-7193	Private	Historic	Historic: Refuse and discard.	Earthen pit infilled with refuse. 230+ glass jars, bottles, and fragments (amber, colorless, aqua, green, sun-colored amethyst, green milk glass; represent beverage, bleach, condiment/food, window, tableware), 62 cans and fragments (beverage, sanitary, hole-in-top, fuel, aerosol), ceramic spark plugs and two light gray bricks, milled lumber, and tree branches. American Period (1944 to 1965).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. Two pull sites. Existing access road that will be graded and improved as needed.
SWCA-L030-7591	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: Single-reduction locus. 12 tertiary obsidian flakes. Historic Component: 19 glass bottles, 5 cans, railroad spike. American Period (1908 to 1930).	Precontact: Ineligible individually, eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible.	No project components are located within the site boundary.
P-14-014529/ CA-INY-010838/ SWCA-L030-7677	BLM Bishop FO	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Owens Valley Brown Ware ceramic scatter. Obsidian Desert Side-Notched, triangular projectile point with random flaking on both surfaces, obsidian bifacially worked thumbnail scraper. Owens Valley Brown Ware ceramic fragments, including 10 body sherds and one rim sherd with light, irregular incising on the exterior surface. Marana period (610 cal BP to historic contact). Historic Isolate: 5 cans and can fragments. American Period (1962 to 1975).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	No project components overlap this site, and no work will be conducted within the site boundary.
SWCA-L030-7679	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Homestead/ farm/ranch resource, Mining resource.	Precontact Component: Three biface fragments (chalcedony, obsidian), chert core fragment, two obsidian flakes. Historic Component: Possible prospect pit, rock ring, 2 concrete footings, 5 rock alignments, stone retaining wall, unpaved road, earthen berm, earthen depression, 2 refuse scatters, concrete basin, concrete and cobble structure, granite pile. 1,000 historic-era artifacts, including a brick, a crushed sanitary can, a metal pail filled with concrete, a 1918 U.S. dime, 4 amber bottle bases with maker's marks, white glass bottle with maker's mark, 50+ tobacco tins and lids, 12 cans, miscellaneous metal, battery cores, crown-cap bottle caps, copper gaskets, brick fragments. American Period (1905 to 1967).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Eligible under Criteria 1 and 4.	Project components and elements involving ground disturbance within the site boundary consist of the demolition area associated with the removal of one lattice steel structure within 5 m of the site boundary, installation of one new LWS monopole within the site boundary with an associated work area, two shunt removal sites, and the existing access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-7720	BLM Bishop FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: 356 debitage fragments (obsidian, basalt, chert, jasper, rhyolite), four obsidian edge-modified flakes, three obsidian biface fragments, two obsidian biface base fragments, hammer stone, Pinto projectile point base and midsection. Early Archaic period/Little Lake phase (10,000 to 4000 cal BP). Historic Component: 250+ glass fragments, eight bottle bases with diagnostic maker's marks, 236 cans, bucket with a spout. American Period (1921 to 1968).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1. Historic: Ineligible individually, eligible as a contributor to the Patsiata Historic District under Criteria 1, 2, 3 and 4.	Remove and replace existing OH subtransmission and telecom lines. Removal of 1 H-frame and associated work area, removal and installation of structures 25 m south of site boundary, associated work areas within site boundary. Existing access road will be graded and improved as needed.
SWCA-L030-7736	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Lithic sample area. 1,000+ lithics, 97 flakes (obsidian, basalt, chert, chalcedony), two Rose Springs Corner-Notched projectile point fragments, and two ceramic Owens Valley Brown Ware body sherds. Haiwee and Marana periods (1280 cal BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of a small portion of a demolition area at the north end of the site and the existing access road that will be graded and improved as needed.
P-14-015412/ SWCA-L030-S-62800	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Fifty-one glass container fragments, four glazed earthenware ceramic fragments, four can and lid fragments. American period (1880 and 1983).	Historic: Ineligible.	Project components include construction materials yard and an existing access road that will be graded and improved as needed.
P-14-015413/ CA-INY-011519/ SWCA-L030-S-62813	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Six Owens Valley Brown Ware ceramic body sherds, 19 obsidian flakes, one chert flake. Haiwee or Marana Periods (1280 cal to historic contact).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Planned project components and elements involving ground disturbance within the site boundary include one construction materials yard which has the potential to impact the eligibility of the site.
P-14-015414/ SWCA-L030-S-62816	LADWP	Historic	Historic: Refuse and discard.	Nine beverage cans and two diagnostic bottle bases. American Period (1935 and 1964).	Historic: Ineligible.	Project components include construction materials yard.
SWCA-L030-S-62819	LADWP	Multi-component	Precontact: Multi-class artifact concentration.	Precontact Component: Obsidian lithic scatter of 44 tertiary flakes and five secondary flakes and one obsidian Humboldt projectile point base with concave base and oblique flake pattern. Middle Archaic/Newberry Period (3800 to 1280 cal BP).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the	Planned project components and elements involving ground disturbance within the site boundary include one new CMY (CH SA 1-4 Big Pine Dump

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 1: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.	Historic Component: 300+ glass container and insulator fragments, 50 tableware fragments, 27 cans, 2 crushed buckets. American Period (1880s to 1980s).	Owens Valley Landscape under Criterion 1. Historic: Ineligible.	Road Alt 3), which has the potential to impact the eligibility of the site.
P-14-015416/ SWCA-L030-S-62825	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Seven ceramic sherds from a single vessel (decorative floral motif), three sun-colored amethyst glass fragments, two crushed meat tins. American Period (post-1880). Precontact Isolate: Obsidian tertiary flake	Historic: Ineligible.	Project components include construction materials yard.
P-14-015417/ CA-INY-011523/ SWCA-TROW-S-003	LADWP	Precontact	Precontact: Lithic concentration.	1,500 - 2,000 flakes (primarily obsidian, with chert metasedimentary, chalcedony, jasper), one projectile point or drill, five bifaces/fragments, scraper, edge-modified flake, two projectile points/fragments (one is Elko Cluster-notched), drill. Middle Archaic/Newberry Period (3800–1280 cal BP).	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Installation of one new tubular steel pole monopole with associated work areas, a demolition site for removal of a lattice structure and, associated work area, and use of existing access roads that will be graded and improved as needed.
P-14-014081/ CA-INY-010523/ SWCA-L030-1591	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Thirteen tertiary obsidian flakes,1 obsidian biface fragment, 33 precontact Owens Valley Brown Ware ceramic sherds. Haiwee or Marana Periods (1280 cal to historic contact). Historic Isolate: 4 cans. American Period (1935 to 1970s).	Precontact: Eligible individually under Criteria 1 and 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Planned project components and elements involving ground disturbance within the site boundary include one construction materials yard which has the potential to impact the eligibility of the site.
P-14-014201/ CA-INY-010636/ SWCA-TROW-S-002/ SWCAL030-5480	LADWP	Precontact	Precontact: Lithic concentration.	46 obsidian flakes. Previously recorded as an isolate consisting of an obsidian biface fragment with five obsidian flakes; biface not relocated.	Precontact: Eligible individually under Criterion 4, and eligible as a contributor to the Owens Valley Landscape under Criterion 1.	Project components and elements involving ground disturbance within the site boundary consist of an existing tower and associated demolition work area, as well as an existing access road that will be graded and improved as needed.

Table Ap.5-2. Proposed Project Cultural Resources: Segment 2

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
P-15-002500	BLM Ridgecrest FO; Private	Historic	Historic: Mining resource.	Exploratory mine shafts and pits. Concentration of cans. American Period (pre-1932).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Remove two structures and their associated work areas, install two new TSP monopole suspension structures and their associated work areas, seven shunt removal areas, one splice site; and two access roads that will be graded and improved as needed. Proposed construction materials yard.
P-15-002501	BLM Ridgecrest FO; Private	Historic	Historic: Mining Resource.	Mine adit, 16 distance domestic refuse deposits. Household refuse includes appliances and diagnostic cans, glass, and ceramics. American Period (1891 to 1954).	Historic: Ineligible.	Remove four lattice steel structures and associated demolition areas. Install four TSP monopoles and associated work areas. Four guard structures. Two stunt removal sites. Existing unpaved access roads, which will be graded and improved as needed.
P-15-008676	BLM Ridgecrest FO; CSLC; Private	Precontact	Precontact: District.	Last Chance Canyon Archaeological District includes the El Paso Mountains, Black Hills, and Indian Wells areas with 37 contributing sites (four historic-era sites fall within the boundary but are not contributors). Features found within sites include petroglyphs, pictographs, campsites, bedrock milling stations, rockshelters, house rings, burials, rock alignments, and artifact scatters. Late Pleistocene to Late Holocene (10,000 BP to historic contact).	Precontact: Listed under Criteria 1 and 4.	No contributing elements of the district are located within the Direct APE/API.
P-15-010890	Private; City of Ridgecrest	Historic	Historic: Refuse and Discard.	Trash dump with five loci. Domestic refuse of consumer, kitchen, and household waste (glass, ceramic, can fragments, scrap metal, machine cut nails, concrete, milled wood, automobile parts, toilet fragments, barrel hoops, metal piping, ceramic sewage piping, garments, and building materials). American Period (1904 to 1967).	Historic: Ineligible.	construction materials yard.
P-15-014492	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and Discard.	Crushed enameled metal bowl and a can scatter containing hole-in-top, sanitary, beverage, meat, upright Prince Albert tobacco, external friction, possible paint, and unidentified cans. American Period (post-1935).	Historic: Ineligible.	Existing access road that transects the eastern edges of the site and will be graded and improved as needed.
P-15-014497	BLM Ridgecrest FO	Historic	Historic: Mining resource.	Parallel rock alignments, two possible prospect pits. Approximately 100 cans, 125+ glass fragments (aqua, amber, amethyst, green, blue), milled lumber, and a stovepipe. American Period (1900 to ca. 1935).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new LWS monopole structure and associated work area. Install a new access road that will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
P-15-014499	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Twelve cans (hole-in-cap, sanitary, hole-in-top, gallon hole-in-cap). American Period (1904 to 1914).	Historic: Ineligible.	No project components are within the site boundary.
P-15-021138/ SWCA-L030-5153	BLM Ridgecrest FO	Historic	Historic: Mining resource.	Two prospect pits and one mine shaft. 36 whole and crushed cans. American Period (1908 to 1920).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole is the northeastern portion of the site, along with an existing access road that transects the eastern edge of the site and will be graded and improved as needed.
P-15-021139/ SWCA-L030-5154	BLM Ridgecrest FO; Private	Historic	Historic: Mining resource.	Four prospect pits. 162 cans, 275 glass shards, and 27 historic-era ceramic sherds. American Period (1908 to 1967).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Shunt removal site, a demolition site, and a new structure work area for the removal of a steel lattice suspension structure located just east of the site boundary, and replacement with a TSP monopole located in the eastern portion of the site, along with an existing access road that will be graded and improved as needed. Additionally, another shunt removal site is located roughly 6 m south of the site boundary.
P-15-021140/ SWCA-L030-5155	BLM Ridgecrest FO; Private	Historic	Historic: Mining resource.	Eighteen prospect pits, backfilled mine shaft. 123 historic-era cans. American Period (1904 to 1962).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole located just north of the site boundary, and an additional demolition site and new structure work area for the removal of another steel lattice suspension structure and replacement with a TSP monopole in the southern portion of the site. Additionally, an existing access road transects the site and will be graded and improved as needed.
P-15-021144/ SWCA-L030-5161	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and discard, Rock feature.	Two artifact concentrations, rock alignment. Glass fragments, 39 cans. American Period (1904 to 1944).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Three pull sites, one guard site, and one demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole immediately north of the site boundary, along with two existing access roads that will be graded and improved as needed.
P-36-023525	Private	Historic	Historic: Refuse and Discard.	Two refuse concentrations. Approximately 200 cans and 140 glass bottle fragments (including 10 diagnostic bottle bases). American Period (1940 to 1967).	Historic: Ineligible.	Removal of two steel lattice suspension structures and replacement with two TSP monopoles along with their associated demolition sites and new structure work areas, one shunt removal site, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
P-36-023542	BLM Barstow FO and Ridgecrest FO	Historic	Historic: Refuse and Discard.	Seventeen sanitary cans. American Period (1939 to 1967).	Historic: Ineligible.	Removal of three steel lattice suspension structures and replacement with three TSP monopoles along with the associated demolition sites and new structure work areas, three shunt removal sites, and existing access road will be graded and improved as needed.
P-36-023543	Private	Historic	Historic: Refuse and Discard.	Approximately 1,000 cans, metal springs, and sheet metal. American Period.	Historic: Ineligible.	One demolition site and three structure work areas for the removal and replacement of structures outside of the site boundary and one LWS monopole in the northwestern corner of the site.
P-36-027091	Private	Historic	Historic: Refuse and Discard.	Approximately 50 cans (church key-opened, solder dot, sardine), and three Fiestaware body fragments. American Period (1890 to 1969).	Historic: Ineligible.	No project components are located within the site boundary.
P-15-021115/ SWCA-L030-1146	Private	Historic	Historic: Refuse and Discard.	Two refuse concentrations containing 593 cans (sanitary, beverage, cone-top, paint, bimetal, unidentified), six glass bottles (colorless, green, amber), two colorless Mason jar fragments. American Period (1936 to 1960).	Historic: Ineligible.	Remove three lattice steel structures and associated demolition areas. Install three new TSP monopole structures and associated work areas. Existing access road will be graded and improved as needed.
P-15-021114/ SWCA-L030-1150	Private	Historic	Historic: Refuse and Discard.	Fifty-five cans (sanitary, hole-in-cap, rectangular, tobacco) and a crushed small barrel. American Period (1904 to 1914).	Historic: Ineligible.	Remove two lattice steel structures and associated demolition areas. Install one new LWS monopole structure and associated work area. One shunt removal site. Existing access road will be graded and improved as needed.
P-15-021113/ SWCA-L030-1153	Private	Historic	Historic: Refuse and Discard.	Two discrete can concentrations. Brown glass bottle base, 42 cans (knife-opened, church key-opened, crushed, evaporated milk, tobacco, paint, rectangular, unidentified), concrete and miscellaneous wood rubble pile. American Period (1904 to 1914).	Historic: Ineligible.	Remove two lattice steel structures and associated demolition areas. Install one new TSP and one new LWS monopole structures and associated work areas. Two shunt removal sites. Existing access road will be graded and improved as needed.
P-15-021112/ SWCA-L030-1157	Private	Historic	Historic: Refuse and Discard.	Can dump containing 95 cans (sanitary cans, hole-in-cap, hole-in-top, church key–opened can). American Period (1900 to 1935).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new LWS monopole structure and associated work area. Two shunt removal sites. Existing access road will be graded and improved as needed.
P-15-021111/ SWCA-L030-1160	Private	Historic	Historic: Refuse and Discard.	10+ sun-colored amethyst glass fragments (including a complete patent finish and partial base), four-hole shell button, welded metal hammer, four wine jugs and additional jug fragments, 19 cans (sanitary, hole-in-top). American Period (1900 to 1966).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one new TSP monopole structure and associated work area. Two pull sites. Existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
P-15-021123/ SWCA-L030-1165	BLM Ridgecrest FO; Private	Historic	Historic: Mining resource.	Landscaping, two foundation pads, prospect pit, two spoils piles, barrel concentration, mine shaft, two possible boundary markers, three refuse scatters, three rock cairns/alignments. Ceramic fragments, glass fragments, cans, milled lumber. American Period (1904 to 1975).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Two demolition sites for the removal of two lattice steel structures, two new work areas for the installation of two TSP monopole structures, and two existing access roads that will be graded and improved as needed.
SWCA-L030-1168	Private	Historic	Historic: Mining resource.	Ten waste rock pile features, eight prospect pits, concrete pad, mining pit, two mine shafts, two refuse concentrations, open mining trench. American Period (1915 to 1975).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Five shunt removal sites, two demolition sites for the removal of two lattice towers, and two new structure work areas for the installation of two TSP pole structures. Additionally, four existing access roads transect the site and will be graded and improved as needed.
SWCA-L030-1170	Private	Historic	Historic: Refuse and discard.	Four artifact concentrations of domestic and automotive in nature including a Ford pickup truck dating to the 1930s-early 1940s. American Period (1920 to 1957).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Three guard sites, two demolition sites for the removal of two lattice towers (one of which is located outside of the site boundary), two work areas for the installation of two new TSP monopole structures (one of which is located outside of the site boundary), and an existing access road that will be graded and improved as needed.
P-15-021124/ SWCA-L030-1171	Private	Historic	Historic: Mining resource.	Three prospect pits, 1 trench. American Period (ca. 1880 to 1920s).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Pull site is located roughly 4 m south of the site boundary, and a demolition site and new structure work area for the removal of a lattice tower and replacement with a TSP monopole are located roughly 7 m north of the site boundary.
P-15-021125/ SWCA-L030-1172	Private	Historic	Historic: Refuse and discard.	70+ cans, 65+ glass fragments, two ceramic whiteware saucer fragments, small solid porcelain doll foot, three glass bottle bases. American Period (1904 to 1946).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Two pull sites, two guard sites, and a demolition site and new structure work area for a pole replacement outside of the site boundary. Additionally, an existing access road transects the site and will be graded and improved as needed.
P-15-021126/ SWCA-L030-1173	Private	Historic	Historic: Mining resource.	Seven mine shafts, two prospect pits, wood foundation structure, fluid tank labeled as toxic. American Period (1904 to 1967).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Two new pull sites and three demolition pull sites for removal.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
P-15-021127/ SWCA-L030-1174	Private	Historic	Historic: Exploration and transportation resource.	Small historic-era bridge. Historic artifacts of domestic and automotive nature, discarded pieces of mining equipment. American Period (1925 to 1957).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Two pull sites, a guard site, and an existing access road that will be graded and improved as needed.
SWCA-L030-1176	Private	Historic	Historic: Refuse and Discard.	101 cans, 449 glass fragments (aqua, sun-colored amethyst, green, blue, milk, olive, colorless), and 55 ceramic fragments. American Period (1908 to 1960).	Historic: Ineligible.	Three pull sites that overlay the northern and northeastern portion of the site. Additionally, Butte Ave. is roughly 3-6 m west of the site boundary and an existing access road that will be graded and improved as needed is roughly 3 m east and north of the site boundary.
P-15-021129/ SWCA-L030-1177	Private	Historic	Historic: Homestead/farm/ ranch resource.	A concrete foundation, a retaining wall, an adit, a foundation wall, and an artifact concentration domestic in nature. American Period (1908 to 1968).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Structure removal/install work areas, guard sites, and pull sites within site boundary. Existing access road to be graded and improved as needed.
SWCA-L030-1179	Private	Historic	Historic: Mining Resource.	Mine shaft. American Period (post-1922).	Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of a demolition site and new structure work area for the removal of a lattice steel structure and replacement with a new TSP monopole structure. One existing access road to be graded and improved as needed is roughly 4 m southwest of the site boundary.
SWCA-L030-1180	Private	Historic	Historic: Mining Resource.	Three prospect pits (2 infilled, 1 possible mine shaft), 1 mine shaft. American Period (post-1922).	Historic: Ineligible.	No project components and elements involving ground disturbance are located within the site boundary; though a demolition site and new structure work area for the removal and replacement of structures located outside the site boundary are roughly 6+ m north of the site boundary.
P-15-021132/ SWCA-L030-1181	Private	Historic	Historic: Mining resource.	Two prospect pits. American Period (post-1903).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	No project components and elements involving ground disturbance are located within the site boundary; though a structure work area for pole removal and replacement is located roughly 5 m south of the site boundary, and an existing access road that will be graded and improved as needed is located roughly 3 m west of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1183	Private	Historic	Historic: Mining Resource.	Two prospect pits. Three cans (sanitary, bimetal) and two glass bottle body fragments (sun-colored amethyst). American Period (1915 to 1967).	Historic: Ineligible.	Guard site that overlays the southwestern extent of the site.
SWCA-L030-1184	Private	Historic	Historic: Refuse and discard.	Fifty-six cans, 200 glass artifacts. American Period (1904 to 1967).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Demolition site and new structure work area for the removal of a lattice tower located immediately adjacent to the northern site boundary and replacement with a TSP monopole to be located roughly 9 m north of the site boundary, and an existing access road that will be graded and improved as needed transects the northeastern portion of the site.
SWCA-L030-1185	Private	Historic	Historic: Mining resource.	Vertical mine shaft, 145+ can and glass artifacts. American Period (1904 to 1967).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Two existing access roads that will be graded and improved as needed. Additionally, a guard site is located roughly 8 m north of the site boundary and a demolition site and work area for pole removal and replacement is located roughly 2 m south of the site boundary.
SWCA-L030-20000	BLM Ridgecrest FO	Historic	Historic: Refuse and discard, Rock feature.	Deflated rock cairn, three wooden posts, and a steel post. One tobacco tin and 10 sun-colored amethyst bottle glass fragments. American Period (1897 to mid-twentieth century).	Historic: Ineligible.	Structure work and demolition areas. Multiple pull sites.
SWCA-L030-5079	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	262 glass bottle body and base fragments (green, brown, colorless, aqua), colorless jar body with lid, and 14 cans (church-key opened, bimetal, cylindrical with handle/pouring hole). American Period (1956 to 1979).	Historic: Ineligible.	Remove one lattice steel structure and associated demolition area. Install one TSP monopole structure and associated work area. One guard site. Existing access roads will be graded and improved as needed.
SWCA-L030-5083	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Refuse concentration. Twenty-six glass fragments (colorless, amber), 108 cans (church key-opened, external friction, sanitary, hole-in-cap, bimetal, field can with bullet holes) recorded within Feature 5202, 10 crushed/fragmented cans, bricks, and auto parts. American Period (1904 to 1967).	Historic: Ineligible.	Guard site, a demolition site and new structure work area for the removal of a lattice steel structure located 2-3 m east of the site boundary and replacement with a TSP monopole structure located along the eastern site boundary.
SWCA-L030-5084	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Two cans (sardine, sanitary), 21 amber glass bottle body shards, four glass bottle bases with maker's marks (green, amber). American Period (1958 to 1974).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-5085	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Twenty-five cans (sanitary cans, church key–opened, bimetal with a Shasta Orange soda label, tobacco tin, sardine), 43 amber and green glass shards, including	Historic: Ineligible.	Guard site, a demolition site and new structure work area for the removal of a steel lattice structure and replacement with a TSP

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
				six bottle bases with maker's marks. American Period (1935 to 1976).		monopole structure, and an existing access road that will be graded and improved as needed.
SWCA-L030-5086	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Five cans (church key–opened cans, sanitary cans), shattered amber glass bottle. American Period (1935 to 1951).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-5087	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Three cans (hinged-lip tobacco, church key–opened), 63 colorless and amber glass bottle fragments. American Period (1935 to 1967).	Historic: Ineligible.	One pull site that overlays most of the site, and two sets of demolition sites and new structure work areas for pole replacements that extend north and south of the site respectively, along with an existing access road that abuts the western site boundary and will be graded and improved as needed.
SWCA-L030-5088	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Artifact concentration (cans, glass, automobile, metal grill rack). 35 cans (sanitary bimetal, church key-opened), 15 glass bottle body fragments (colorless, amber, green). American Period (1935 to 1967).	Historic: Ineligible.	One splice site, and a demolition site and new structure work area for the removal of a lattice steel structure located east of the site boundary and replacement with a LWS monopole structure in the southeastern corner of the site, along with an existing access road that bisects the site and will be graded and improved as needed.
SWCA-L030-5089	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Three cans (2 beverage, 1 sanitary), nine brown glass bottle body fragments. American Period (1935 to 1967).	Historic: Ineligible.	There are no planned project components and elements within the site boundary; however, an existing access road that will be graded and improved as needed is located roughly 4 m west of the site boundary, and a demolition site and structure work area for pole removal and replacement is located roughly 7 m south of the site boundary.
SWCA-L030-5090	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Artifact concentration (household/Car refuse, porcelain, stoneware, tableware). 159 cans (hole-in-top, sanitary, church key–opened cans, bimetal), glass fragments, some with maker's marks (amber, green, aqua, colorless), automobile parts, modern refuse, large fire-blackened non-human mammal bones. American Period (1904 to 1977).	Historic: Ineligible.	Guard site, and a demolition site and new structure work area for the removal of a lattice tower and replacement with a TSP monopole structure north of the site boundary, along with an existing access road that bisects the eastern extent of the site and will be graded and improved as needed.
SWCA-L030-5093	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and Discard.	Nine cans (church key–opened, bimetal, cut-around), 129 glass bottle fragments and bases (colorless, amber). American Period (1962 to 1972).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a lattice tower located in the northern portion of the site and replacement with a TSP monopole structure located just north of the site boundary, along with an existing access road that transects the western extent of the site and will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-5094	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Thirty-two cans (church key–opened, bimetal, sanitary), 114 glass fragments (brown, green, colorless). American Period (1941 to 1972).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a lattice tower located immediately adjacent to the northern site boundary and replacement with a TSP monopole structure located roughly 5 m northwest of the site boundary. Additionally, an existing access road abuts the western site boundary and will be graded and improved as needed.
SWCA-L030-5096	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and Discard.	65 cans (church key–opened, bimetal, cut-around cans, pull-tab can), 141 glass bottle and jug fragments and bases with maker's marks (amber, colorless, aqua glass), one discarded automobile part. American Period (1942 to 1979).	Historic: Ineligible.	Two pull sites, and two sets of demolition sites and new structure work areas for the removal of two lattice towers and replacement with TSP monopole structures, one of which is located in the northern portion of the site and one of which is located just outside the southern site boundary. Additionally, two existing access roads transect the site and will be graded and improved as needed.
SWCA-L030-5101	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Thirteen cans (church key-opened, tobacco), complete amber glass bottle, seven amber glass fragments. American Period (1935 to 1968).	Historic: Ineligible.	Two existing access roads that will be graded and improved as needed. Additionally, a pull site is located roughly 2 m south of the site boundary and a demolition site for the removal of a lattice tower is located roughly 4 m north of the site boundary.
SWCA-L030-5102	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Seven cans (church key-opened, Anheuser-Busch bimetal, sanitary), 124 glass bottle fragments and bases (amber, colorless, aqua). American Period (1944 to 1967).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a lattice tower and replacement with a TSP monopole structure north of the site boundary, along with an existing access road that will be graded and improved as needed.
SWCA-L030-5103	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Approximately 100 metal (including sanitary cans) and glass fragments and bottle bases (amber, colorless). American Period (1945 to 1973).	Historic: Ineligible.	Work area for the removal of a lattice tower and replacement with a LWS monopole structure located outside and north of the site boundary. Additionally, an existing access road that will be graded and improved as needed abuts the southwestern boundary of the site.
SWCA-L030-5104	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Four cans (bimetal, crushed), metal bucket, approximately 51 glass bottle body fragments, two complete bottles, four bottle bases. American Period (1947 to 1975).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a lattice suspension structure and replacement with a TSP monopole structure, along with a new overland travel route in the northern portion of the site.
SWCA-L030-5106	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Approximately 144 metal (including cans, .50 caliber shell) and 63 glass fragments and bottle bases (amber, colorless). American Period (1940 to 1967).	Historic: Ineligible.	Demolition site and three structure work areas for the removal of a steel lattice suspension structure and replacement with a TSP monopole structure along with the installation of a temporary LWS monopole structure, and an overland travel route.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-5110	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	177 metal (including cans) and glass bottle, fragments, and bases (amber, colorless). American Period (1935 to 1964).	Historic: Ineligible.	Demolition site and a new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole structure in the northern portion of the site.
SWCA-L030-5111	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Approximately 183 metal (including cans) and glass bottle fragments and bases (colorless, amber, brown, green). American Period (1954 to 1968).	Historic: Ineligible.	Splice site that overlays the northern extent of the site, and a demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole structure, along with an existing access road that will be graded and improved as needed.
SWCA-L030-5113	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Fourteen cans (beverage cans, bimetal, rectangular fuel can), 191 glass bottle fragments and bases (colorless, amber, sun-colored amethyst, aqua, green). American Period (1915 to 1969).	Historic: Ineligible.	Demolition site and structure work area for the removal a steel lattice suspension structure and replacement with a TSP monopole in the northern portion of the site. Additionally, another work area is located roughly 5 m south of the site boundary.
SWCA-L030-5116	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	736 can (sanitary-beverage and meat) and glass bottle fragments (amber glass, green, colorless. American Period (1953 to 1978).	Historic: Ineligible.	Two shunt removal sites that overlay the northern portion of the site, and a demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole roughly 12 and 8 m south of the site boundary respectively. Additionally, an existing access road transects the western extent of the site and will be graded and improved as needed.
SWCA-L030-5117	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	34+ cans (sanitary cans, beverage, bimetal, vent-top, aerosol, cone-top can), 151 glass bottle and fragments (amber, colorless). American Period (1949 to 1980).	Historic: Ineligible.	Demolition site and structure work area for the removal of a steel lattice suspension structure and installation of a TSP monopole in the southern portion of the site. and the Additionally, an existing access road transects the western extent of the site and will be graded and improved as needed, and an overland travel route is planned in the southern portion of the site.
SWCA-L030-5121	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	376 metal (including cans) and glass bottle fragments and bases (amber, colorless, green, aqua). American Period (1904 to 1968).	Historic: Ineligible.	Demolition site for the removal of a steel lattice suspension structure that is located roughly 7 m southwest of the site boundary.
SWCA-L030-5122	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	393 metal (including cans) and glass bottle fragments and bases with maker's marks (colorless, amber, aqua, green, brown). American Period (1940 to 1973).	Historic: Ineligible.	Demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole, along with a new overland travel route, all of which are located in the central portion of the site.
SWCA-L030-5123	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Approximately 185 metal (including cans) and glass bottle fragments and bases (amber, green, colorless). American Period (1936 to 1967).	Historic: Ineligible.	Four shunt removal sites, one splice site, one pull site, along with a demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
						monopole in the northern portion of the site. Additionally, an existing access road abuts the western extent of the site and will be graded and improved as needed, and a new overland travel route is planned.
SWCA-L030-5124	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Sixty-one metal (including cans) and colorless glass bottle fragments and bases. American Period (1944 to 1963).	Historic: Ineligible.	Guard site, demolition site, and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole, along with an overland travel route in the northern portion of the site.
SWCA-L030-5126	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	133 metal (including cans) and amber glass bottle fragments and bases with maker's marks. Historic dating: American Period (1951 to 1964).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a steel lattice structure and replacement with a TSP monopole located north of the site boundary.
SWCA-L030-5127	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Fourteen cans (bimetal, church key-opened, hole-in-top). American Period (1962 to 1967).	Historic: Ineligible.	Existing access road that transects the eastern extent of the site and will be graded and improved as needed.
SWCA-L030-5128	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Thirteen cans (church key-opened, bimetal, sanitary) and approximately 47 glass bottle fragments and bases with maker's marks (amber, green). American Period (1950 to 1969).	Historic: Ineligible.	Demolition site and a new structure work area for the removal of a steel lattice suspension structure and replacement with a LWS monopole located north of the site boundary, along with an existing access road that transects the western edge of the site and will be graded and improved as needed.
SWCA-L030-5129	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Eighty-three cans (sanitary, bimetal, meat, beverage, unidentifiable) and glass bottle bases. American Period (1951 to 1973).	Historic: Ineligible.	Four structure work areas and a demolition site for the removal of a steel lattice suspension structure and replacement with a LWS monopole in the central portion of the site and additional removal and replacement of transmission structures to the north and south of the site boundary. Additionally, an existing access road bisects the southwestern extent of the site and will be graded and improved as needed.
SWCA-L030-5131	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Forty-one cans (bimetal, church key-opened, motor oil cans, pull-tab can, 14 unidentifiable), metal bucket, 137 glass bottle fragments and bases with maker's marks (amber, colorless), chainsaw chain, and a metal chisel with a wooden handle. American Period (1933 to 1969).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole in the northern part of the site, along with an existing access road that bisects the site and will be graded and improved as needed.
SWCA-L030-5132	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Fifty-one cans (bimetal, church key-opened, pull-tab, large metal, unidentifiable), 134 glass bottle fragments and bases with maker's marks (amber, colorless, green). American Period (1957 to 1971).	Historic: Ineligible.	Splice site that overlays the northern extent of the site, along with a demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole to be located just west of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
						Additionally, an existing access road transects the northwestern extent of the site and will be graded and improved as needed.
SWCA-L030-5133	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Eighteen cans (church key–opened cans, bimetal, sanitary, pull-tab can), eight colorless glass fragments, two glass bottle bases with maker's marks. American Period (1962 to 1966).	Historic: Ineligible.	Splice site that overlays most of the site, and a demolition site for the removal of a steel lattice suspension structure that overlays the northern tip of the site, along with an existing access road that bisects the western extent of the site and will be graded and improved as needed.
SWCA-L030-5134	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Twenty-three cans (sanitary, church key-opened, bimetal). American Period (1962 to 1967).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole in the southern portion of the site, along with an existing access road that will be graded and improved as needed.
SWCA-L030-5135	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	210 cans (church key-opened, bimetal, hole-in-top, cut-around, tobacco, sardine, triangular, rectangular, sanitary), 180+ glass bottle fragments (colorless, amber, green, milk, sun-colored amethyst), 1,200 brown-glazed ceramic insulator fragments. American Period (1935 to 1966).	Historic: Ineligible.	Three shunt removal sites, two guard sites, and two demolition sites and new structure work areas for the removal of steel lattice suspension structures and replacement with TSP monopoles, along with a new overland travel route and two existing access roads that will be graded and improved as needed.
SWCA-L030-5142	BLM Ridgecrest FO	Historic	Historic: Mining Resource.	Three mine shafts, prospect pit, refuse concentration. 500+ cans, 2,000+ glass bottle fragments and bases (amber, colorless, green, light blue, sun-colored amethyst, aqua). Additional artifacts included in the concentration included ceramics, plywood fragments, ceramic bathroom fixture, and metal automobile part with bullet holes. American Period (1880 to 1958).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole just north of the site boundary, along with an existing access road that will be graded and improved as needed.
SWCA-L030-5143	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and Discard.	Precontact Component: Bedrock milling feature, one groundstone mano. Historic Component: Historic-era refuse includes cans, glass and ceramic fragments. American Period (1934 to 1952).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	The proposed project will not adversely impact the resource.
SWCA-L030-5145	BLM Ridgecrest FO	Historic	Historic: Mining Resource.	Seven mining spoils piles, mine shaft, 2 prospect trenches. 60+ cans, 50+ glass bottle body fragments, and one ceramic fragment. American Period (1908 to 1967).	Historic: Ineligible.	Four shunt removal sites and two demolition sites for the removal of an H-frame structure in the southern portion of the site and a steel lattice suspension structure located north of the site boundary, and an existing access road that bisects the center of the site and will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-5146	BLM Ridgecrest FO	Historic	Historic: Mining Resource.	Two prospect trenches, spoils pile. 26 cans and 61 glass fragments and bases (green, amber, colorless). American Period (1908 to 1967).	Historic: Ineligible.	Demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole located just south and west of the site boundary. Additionally, an existing access road is roughly 4 m west of the site boundary and will be graded and improved as needed.
SWCA-L030-5148	BLM Ridgecrest FO	Historic	Historic: Mining Resource.	Two mine shafts, three prospect pits, prospect trench, and two survey markers. Three cans (sanitary, tobacco). American Period (1908 to 1940s).	Historic: Ineligible.	Existing access road that bisects the center of the site and will be graded and improved. Additionally, a shunt removal site is located roughly 6 m north of the site boundary and a demolition site is located roughly 8 m south of the site boundary.
SWCA-L030-5149	BLM Ridgecrest FO	Historic	Historic: Mining Resource.	Three prospect trench/scrape features, tailings pile, mine shaft. American Period.	Historic: Ineligible.	No project components overlay the site boundary.
SWCA-L030-5150	BLM Ridgecrest FO	Historic	Historic: Mining resource.	Prospect pit. 70 cans, glass, and ceramic fragments. American Period (1904 to 1967).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Demolition site and structure work area that overlay the portion of the site for removal of a steel lattice tower and replacement with a TSP monopole located roughly 5 m and 12 m north of the site boundary respectively, along with an existing access road that will be graded and improved as needed.
SWCA-L030-5151	BLM Ridgecrest FO; Private	Historic	Historic: Exploration and transportation resource, Mining resource.	Two-track road, 2 prospect pits. Approximately 45 artifacts, with six cans and 39 glass fragments. American Period (1880s to 1967).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Three pull sites that overlay most of the site area, and an existing access road that transects the southeastern portion of the site and will be graded and improved as needed. An additional access road that will be graded and improved as needed abuts the eastern site boundary.
SWCA-L030-5152	Private	Historic	Historic: Mining resource.	Prospect pit. 55 cans, six glass shards, and eight ceramic sherds. American Period (1904 to 1920).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	Two unpaved access roads that will be graded and improved as needed.
SWCA-L030-5157	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and Discard.	Fifty-two cans and 231 glass fragments and bases (amber, colorless, aqua, green, sun-colored amethyst, olive), thin metal pipe below the ground surface near the culvert, and metal mattress box spring fragments. American Period (1904 to 1984).	Historic: Ineligible.	Existing access road that transects the northernmost part of the site and will be graded and improved as needed. An additional access road abuts the western site boundary but is a paved road, so grading will not occur.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-5159	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and Discard.	125 cans (hole-in-cap, hole-in-top, sanitary), 173 glass bottle fragments (aqua, colorless, amber, sun-colored amethyst, green), 27 stoneware or whiteware sherds. American Period (1900 to 1940s).	Historic: Ineligible.	Existing access road that transects the northern portion of the site and will be graded and improved as needed.
P-15-021143/ SWCA-L030-5160	BLM Ridgecrest FO	Historic	Historic: Mining resource.	Mine shaft. 10 cans, 48 colorless and amber glass fragments. American Period (1904 to 1944).	Historic: Ineligible individually, eligible as contributor to Rand Historic District under Criterion 1.	No project components involving ground disturbance within site boundary.
SWCA-L030-5162	BLM Ridgecrest FO	Historic	Historic: Mining Resource.	Prospect pit. 43 cans (sanitary, rectangular flat, cone-top) and 57 glass bottle fragments and bases (sun-colored amethyst, colorless glass, green, aqua, amber). American Period (1920 to 1956).	Historic: Ineligible.	Existing unpaved access road will be graded and improved as needed.
SWCA-L030-5164	BLM Ridgecrest FO; Private	Historic	Historic: Mining Resource.	Two mine shafts and three prospect pits. American Period (1920 to 1956).	Historic: Ineligible.	Two pull sites that overlay the entire site boundary.
SWCA-L030-5166	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and Discard.	Eighteen cans (hole-in-cap, rectangular external-friction lid, rectangular, large can lid punctured with holes on entire surface). American Period (1908 to 1914).	Historic: Ineligible.	No project components are directly within the boundary of the site; however, the western site boundary is immediately adjacent to a demolition site and work area for the removal of a lattice steel structure and replacement with a TSP monopole, and a guard site is located roughly 5 m west of the site boundary.
SWCA-L030-5168	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Nineteen cans (sanitary, hole-in-cap, internal friction, hinged lip, crown cap), metal stovepipe, seven glass bottle and jar fragments (colorless, frosted, amber). American Period (1908 to 1960).	Historic: Ineligible.	Demolition site and new structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole, along with an existing access road that will be graded and improved as needed.
SWCA-L030-5169	BLM Ridgecrest FO; Private	Historic	Historic: Refuse and Discard.	Seven cans (sanitary, pull-tab, cut-around, unidentifiable) and one fire-affected rock. American Period (1962 to 1967).	Historic: Ineligible.	Demolition site associated with the removal of a steel lattice suspension structure north of the site boundary.
P-15-021110/ SWCA-L030-5171	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Sixteen cans and can lids, 10+ glass bottle fragments and base (aqua, amber), aqua glass bottle fragment (PD 6346). American Period (1900 to 1914).	Historic: Ineligible.	No project components and elements involving ground disturbance overlay the site boundary; though a demolition site and structure work area are located roughly 1 m south and 3 m east of the site boundary.
P-15-021109/ SWCA-L030-5172	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Car parts (including gaskets, filters, oil cans, rubber hoses straps), bimetal and sanitary cans (Wilson's Ham, Aviex starter fluid, Kent starter fluid), hooked	Historic: Ineligible.	Shunt removal area, and a demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole just west of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
				iron rod, (possibly to keep car hood open) and an aqua glass bottle fragment. American Period (1962 to 1975).		
P-15-021108/ SWCA-L030-5173	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Seven cans (oil, sanitary, hole-in-top, bimetal), six sheet metal fragments, wooden pallet fragment; mixed with modern trash. American Period (1940s to 1975).	Historic: Ineligible.	No project components and elements involving round disturbance overlay the site, though an existing access road that will be graded and improved as needed abuts the southern boundary of the site.
P-15-021107/ SWCA-L030-5174	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Two glass bottle bases (amber, colorless) and one tobacco tin. American Period (1944 to 1985).	Historic: Ineligible.	No project components are within the site boundary.
P-15-021106/ SWCA-L030-5181	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Four sanitary cans. American Period (1935 to 1967).	Historic: Ineligible.	Work area associated with the installation of a TSP monopole roughly 20 m south of the site boundary.
P-15-021105/ SWCA-L030-5186	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	21 metal cans (sanitary, hole-in-cap, tobacco) and a green glass bottle base. American Period (1908 to 1945).	Historic: Ineligible.	No project components are situated directly within the project boundary, though an existing access road that will be graded and improved as needed abuts the western site boundary.
P-15-021104/ SWCA-L030-5190	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	One sanitary can and 14 amber glass body fragments, crown-cap finish, and base fragment. American Period (post-1904).	Historic: Ineligible.	Demolition site and structure work areas associated with the removal of a steel lattice suspension structure and replacement with a LWS monopole roughly 12 m northwest of the site boundary.
P-15-021103/ SWCA-L030-5196	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Twenty-eight sanitary cans (condensed milk, meat, beverage), four glass bottle bases. American Period (1925 to 1981).	Historic: Ineligible.	Demolition site and structure work area for the removal of a steel lattice suspension structure located immediately adjacent to the site boundary, and replacement with a LWS monopole located within the site boundary, along with an existing access road that transects the eastern edge of the site and will be graded and improved as needed.
SWCA-L030-5197	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	150+ whole and crushed cans, metal containers and lids, barrel and bucket fragments, 100+ amber, green, and colorless glass fragments and bottle bases, structural debris (including 50+ fragments of window glass fragments, 8+ milled lumber pieces, 7+ plywood fragments, concrete fragments, and other miscella-neous debris). American Period (1935 to 1965).	Historic: Ineligible.	Existing access roads will be graded and improved as needed.
SWCA-L030-5394	BLM Ridgecrest FO	Historic	Historic: Refuse and Discard.	Five cans (sanitary, bimetal), metal jar lid, and 83 glass bottle/jar fragment and bases with maker's marks (colorless, amber). American Period (1962 to 1970).	Historic: Ineligible.	No project components within site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 2: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-9027	CSLC	Historic	Historic: Refuse and Discard.	Ten cans (key-wind meat, possible coffee, sanitary). American Period (post-1904).	Historic: Ineligible.	Demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole located just west of the site boundary.
SWCA-L030-9028	CSLC	Historic with precontact isolate	Historic: Refuse and Discard.	Knife-opened sanitary can, bottle base, glass drop for neck/body of one bottle. American Period (mid-twentieth century). Precontact Isolate: Chalcedony tertiary flake.	Historic: Ineligible.	Demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole, along with an existing access road that will be graded and improved as needed.
SWCA-L030-9029	CSLC	Historic	Historic: Refuse and Discard.	63+ cans (hole-in-cap, beverage, hole-in-top, sanitary) and 502+ glass bottles fragments (amber, aqua, colorless, green). American Period (1904 to 1972).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-9030	CSLC	Historic	Historic: Refuse and Discard.	Thirty-three cans (beverage, meat, sanitary), 564 glass bottle fragments (amber, aqua, colorless, green, yellow), seven whiteware fragments (4 rims, 3 bases), colorless window glass. American Period (1940 to 1967).	Historic: Ineligible.	Shunt removal site in the southern part of the site, and a demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole in the northern portion of the site, along with an existing access road that will be graded and improved as needed.
SWCA-L030-9031	CSLC; Private	Historic	Historic: Refuse and Discard.	Six cans (church key-opened, sanitary), 107 glass bottle body and finish fragments (amber, aqua, colorless), one earthenware fragment. American Period (1940 to 1969).	Historic: Ineligible.	Shunt removal site, and demolition site and structure work area for the removal of a steel lattice suspension structure and replacement with a TSP monopole located just north of the site boundary, along with an existing access road that will be graded and improved as needed.
SWCA-L030-9032	CSLC; Private	Historic	Historic: Refuse and Discard.	Six cans (bimetal, key-wind rectangular, sanitary), 329 glass bottle and jar body, finish, and base fragments (amber, colorless). American Period (1960 to 1967).	Historic: Ineligible.	Shunt removal site and an existing access road that will be graded and improved as needed.

Table Ap.5-3. Proposed Project Cultural Resources: Segment 3N

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
P-36-026218	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Precontact Component: 37 obsidian flakes, three bifaces, four edge-modified flakes. Historic Component: Scatter of eight cans, three glass fragments, and one diagnostic glass bottle base. American Period, post-1920.	Precontact: Ineligible. Historic: Ineligible.	Project components within the site boundary consist of removal of one lattice steel suspension structure with an associated demolition site, structure work areas for the installation of one LWS monopole suspension structures (3.5 m south), two shunt removal sites, and two segments of the existing access road that will be graded and improved as needed.
P-36-000403/ CA-SBR-403	BLM Barstow FO; SCPPA; LADWP; Private	Multi-component	Precontact: Residential base. Historic: Homestead/ farm/ranch resource.	Precontact Component: Three lithic scatters, lithic scatter includes 2,000 flakes, lithic debitage, projectile points, biface fragments, cores, fire-affected rock, and groundstone. Possible reworked Humboldt or other concave-base lanceolate projectile point. Early to Middle Archaic (8000 to 1200 cal BP). Historic Component: Two historic-era refuse scatters, concrete foundation, filled-in well. Previously recorded adobe ruin not relocated. American Period (1915 to 1967).	Precontact: Eligible under Criteria 1 and 4. Historic: Eligible under Criteria 1 and 4.	Remove and replace existing OH subtransmission and telecom lines. Remove and replace 3 wood pole H-frame structures, 2 structures are within site boundary and 1 is outside of site boundary, and associated work areas within site boundary. Existing access road to be graded and improved as needed.
P-36-005066/ CA-SBR-5066	SCE, Private	Precontact	Precontact: Multi-class artifact concentration.	One chalcedony core fragment, one chert flake. Previously collected artifacts include three metates and fragments, a schist mano, one scraper, and four cores. Notes: Site has been mostly destroyed due to disturbances from collecting, construction, and agricultural activity. Contributor to the Mojave Trails Landscape established by the CPUC as part of the Eldorado Lugo Mohave (ELM) Project.	Precontact: Ineligible.	Numerous project components and elements involving ground disturbance that intersect the original site boundary, including three H-frame structures and associated work areas for reconductoring, three steel lattice structures and associated work areas for reconductoring, two monopole structures and associated work areas for modification, one monopole structure and associated work area for removal, one H-frame structure and associated work area for removal and replacement, four guard sites, four pull sites, nine work areas, and both new overland travel routes and the existing access road, which will be graded and improved as needed.
P-36-006148	BLM Barstow FO; SCPPA; Private	Historic	Historic: Refuse and Discard.	600 cans (sanitary, matchstick filler-hole, hole-in-cap), orange, yellow, and blue Bauer ringware ceramic fragments, glass fragments (colorless, green, cobalt, brown, sun-colored amethyst, pale green depression glass, milk glass), screw top jar	Historic: Ineligible.	Construction maintenance yard and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
				fragments, Pyrex bottle, crown-top bottles. American Period (1903 to 1945).		
P-36-006572	CSLC; SCE; Private	Historic with precontact isolate	Historic: Refuse and Discard.	Six refuse concentrations. Northeast sample area: 1,600+ bottle glass fragments (colorless, amber, green), 1,000+ colorless glass window fragments, 300+ cans/fragments, three blue Fiestaware bases, six porcelain whiteware bases, three yellow Fiestaware body fragments, and four blue earthenware ceramic body fragments. Northwest sample area: Eight cans (bimetal, sanitary), 190+ glass bottle fragments and bases (amber, colorless, , three D-cell batteries, two steel lids, two beverage can pull tabs, and three bottle caps. American Period (1904 to 1966). Precontact Isolate: Chalcedony flake, obsidian flake.	Historic: Ineligible.	Three existing H-frame wood structures with associated work areas for reconductoring, one new construction maintenance yard, and the existing access road that will be graded and improved as needed.
P-36-007421/ CA-SBR-7421H	BLM Barstow FO	Multi-component	Precontact: Ceramic concentration. Historic: Military resource.	Precontact Component: Five Owens Valley Brown Ware sherds. Marana Period (600 BP to historic contact). Historic Component: historic-era earthen berms, dirt road, set of concentric rings, spent practice bombs, bombing targets, cans and bottles. American Period (1938 to 1945).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of three reconductoring work areas with existing structures, and the existing access road that will be graded and improved as needed.
P-36-007425/ CA-SBR-7425	SCE, SCPPA	Precontact	Precontact: Lithic concentration.	At least 20 pieces of CCS debitage, light gray chert bifacial core.	Precontact: Eligible under Criterion 4.	Remove and replace existing OH subtransmission and telecom lines. Access 1 structure adjacent to site to conduct OH work. Existing access road to be graded and improved as needed.
P-36-007432/ CA-SBR-7432	BLM Barstow FO	Precontact	Precontact: Lithic concentration.	Thirty-two CCS flakes.	Precontact: Ineligible.	The site is located within the Direct APE/API and there are no project components planned within the site boundary.
P-36-023239	SCPPA; Private	Historic with precontact isolate	Historic: Refuse and Discard.	Thirty-four cans/fragments and 14 glass body, finish, and base fragments (colorless, amber). American Period (1904 to 1967). Precontact isolate: Obsidian flake and chalcedony flake.	Historic: Ineligible.	Existing access road to be graded and improved as needed.
P-36-023333	BLM Barstow FO; Private	Precontact with historic isolate	Precontact: Lithic concentration.	Four CCS flakes. Historic Isolate: historic-era sanitary can.	Precontact: Ineligible.	The site is located within the Direct APE/API and there are no project components planned within the site boundary.
P-36-024926/ CA-SBR-15955	BLM Barstow FO	Precontact	Precontact: Temporary camp.	Hearth feature, 33 pieces of rhyolite fire-affected rock.	Precontact: Eligible under Criterion 4.	No project components overlap this site, and no work will be conducted within the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
P-36-028216	SCE	Historic	Historic: Refuse and discard, Rock feature.	Two modern, east-west-oriented ditches with berms, series of about 30 to 35 rock piles. 77 cans (sanitary, hole-in-cap, hole-in-top, paint, oil), amethyst and brown glass fragments, three porcelain fragments with decals, barrel hoops, bailing, chicken, and heavy-gauge wire, corrugated metal fragment, and stovepipe fragment. American Period (1904 to 1950s).	Historic: Ineligible.	Construction material yard and one pull site.
SWCA-L030-1102	SCE	Historic	Historic: Refuse and Discard.	Thirty-two cans, glass and bottle base fragments (colorless, amber, green, red, green milk glass), ceramics, various building/ hardware materials (including bricks, window glass, concrete, sewer pipe fragment, miscellaneous metal). American Period (1942 to 1952).	Historic: Ineligible.	Existing wooden H-frame structure with an associated work area for reconductoring, and two existing access roads that will be graded and improved as needed.
SWCA-L030-1104	Private	Historic	Historic: Exploration and transportation resource, Refuse and Discard.	Nine buried vehicle features. 11 miscellaneous car fragments, 4 sections of various wires/Cables, 50 cans/fragments, 92 glass bottle body and base fragments (green, colorless, amber). American Period (1938 to 1964).	Historic: Ineligible.	No project components involving ground disturbance are within the site boundaries; though a new overland travel route and an access road that will be graded and improved as needed are located 5 to 20 m south of the site boundary.
SWCA-L030-1105	Private	Historic	Historic: Refuse and Discard.	Five cans (hole-in-cap, beverage), four white ironstone tableware fragments from one vessel, crushed metal flange with small round nail. American Period (post-1883).	Historic: Ineligible.	No project components involving ground disturbance intersect the site boundary, though an access road that will be graded and improved as needed is located roughly 7 m west of the site boundary.
SWCA-L030-1106	BLM Barstow FO; Private	Historic	Historic: Mining resource.	Four sediment mines/quarries, lateral mine shaft, rock alignment, wooden structure, looter's pit, 3 artifact concentrations. Historic artifacts include cans, ceramics, and glass. American Period (1904 to 1967).	Historic: Eligible under Criteria 1 and 4.	Existing H-frame structure with associated work area for reconductoring in the northeastern portion of the site, and an existing access road that will be graded and improved as needed. An additional work area is located roughly 4 m south of the site boundary
SWCA-L030-1107	Private	Historic	Historic: Refuse and Discard.	Can scatter (sanitary, hole-in-top, bimetal, tobacco tins, cone-top), metal strapping, glass fragments (colorless, amber, aqua, sun-colored amethyst, milk glass), and bike rack. American Period (1915 to 1967).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-1227	Private	Historic	Historic: Refuse and Discard.	Twenty cans (church key–opened cans, crushed), colorless glass bottle base. American Period (1935 to 1970).	Historic: Ineligible.	Existing access road that bisects the center of the site will be graded and improved as needed. Additionally, a structure work area is located roughly 4 m west of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1233	SCPPA	Historic	Historic: Refuse and Discard.	Three sun-colored amethyst glass fragments, 13 cans (hole-in-top, crushed cans, sanitary, hole-in-cap), porcelain teacup. American Period (post-1904).	Historic: Ineligible.	Existing access road that bisects the northernmost extent of the site will be graded and improved as needed.
SWCA-L030-1241	SCPPA	Historic	Historic: Refuse and Discard.	Bottle drop of seven colorless glass Diet Pepsi bottle, one church key–opened sanitary can, one bimetal can fragment. American Period (1964 to 1968).	Historic: Ineligible.	Structure work area is located roughly 9 m west of the site boundary.
SWCA-L030-1255	PG&E	Historic with precontact isolate	Historic: Refuse and Discard.	Concentration of volcanic boulders, two barbed-wire fences, refuse dump, four milled lumber posts, threaded pipe, corral. Cans (hole-in-top, church key-opened), bricks, coin, and other household items. American Period (1935 to 1967). Precontact Isolate: Multidirectional chert core.	Historic: Ineligible.	Construction materials yard overlays the northern and eastern portion of the site.
SWCA-L030-2361	SCPPA; Private	Historic with precontact isolate	Historic: Refuse and Discard.	Four cans, 33 glass bottle body and base fragments (colorless, amber, green). American Period (1962 to 1974). Precontact Isolate: Obsidian tertiary flake.	Historic: Ineligible.	Access road that will be graded and improved as needed is located immediately south of the site boundary.
SWCA-L030-2364	SCPPA; Private	Historic	Historic: Refuse and Discard.	Eight cans (sanitary, bimetal, beverage), sun-colored amethyst glass bottle fragment. American Period (1915 to 1967).	Historic: Ineligible.	Work area associated with reconductoring at a wooden H-frame structure that is located roughly 6 m west of the site, and the existing access road that bisects the northern extent of the site and will be graded and improved as needed.
SWCA-L030-2365	SCPPA; Private	Historic	Historic: Refuse and Discard.	Eleven cans (beverage, sanitary). American Period (1935 to 1967).	Historic: Ineligible.	Access road will be graded and improved as needed is located roughly 9 m north of the site boundary.
SWCA-L030-2369	SCPPA; Private	Historic	Historic: Refuse and Discard.	Three cans (hole-in-top, bimetal, beverage), metal screw cap, small roll of metal wire, 25 colorless glass bottle fragments from one vessel. American Period (1962 to 1975).	Historic: Ineligible.	Work area for reconductoring on an existing H-frame structure and access road will be graded and improved as needed are located roughly 8 m south of the site boundary.
SWCA-L030-2371	SCPPA; Private	Historic with precontact isolate	Historic: Refuse and Discard.	Ten cans (sanitary, bimetal, hole-in-top), colorless glass jar base, glass lugged large-mouth external thread finish fragment, 20+ colorless glass jar fragments. American Period (1962 to present). Precontact Isolate: Chert flake.	Historic: Ineligible.	Existing access road that bisects the center of the site will be graded and improved as needed.
SWCA-L030-2374	SCPPA; Private	Historic	Historic: Homestead/ farm/ranch resource.	Alignment of three fence posts, a well shaft, refuse concentration, marine shell concentration. Scatter of household refuse including cans, 109 glass bottle body, finish and base	Historic: Ineligible.	Small portion of a work area for the removal and replacement of a wooden H-frame structure will

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
				fragments (aqua, sun-colored amethyst), 19 white tableware fragments, and four terra cotta pot fragments. Within concentration: 20 cans, 17 ceramic tableware fragments, nine terra cotta flowerpot fragments, nacreous shell buttons, aqua window glass fragments, 31 glass bottle fragments (aqua, amber, sun-colored amethyst, blue). American Period (1900 to 1975).		be located roughly 12 m outside of the site boundary.
SWCA-L030-4016	Dept of Defense; BLM Barstow FO	Historic	Historic: Refuse and Discard.	Artifact concentration (Feature 3214) including 32+ can/ fragments (hole-in-cap, coffee cans, sanitary cans), 15 brown glass fragments from a Seagram's bottle, 25 colorless glass fragments. American Period (1904 to 1967).	Historic: Ineligible.	Work area associated with reconductoring work on an existing multi-pole structure, two pull sites, and the existing access and spur roads that will be graded and improved as needed.
SWCA-L030-4017	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Three cans/fragments (beverage), large-mouthed continuous thread food jar screw cap, metal spring. American Period (1935 to 1967).	Historic: Ineligible.	Existing access road will be graded and improved as needed abuts the eastern boundary of the site.
SWCA-L030-4019	BLM Barstow FO	Precontact	Precontact: Lithic concentration.	Seven CCS flakes.	Precontact: Ineligible.	No project components involving ground disturbance overlay within the site boundary, though an existing access road that will be graded and improved as needed is located roughly 3 m north of the site boundary and a structure work area is located roughly 10 m east of the site boundary.
SWCA-L030-4021	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twenty-eight cans (beverage, tobacco, sanitary, fish, unidentifiable), 20+ wire nails, set of metal bed springs, glass bottle glass fragments (amber, colorless, green), 14 individual bottle drops; five buried wood stump posts, wire nails, four barbed wire strands (in northwest area of site). American Period (1950 to 1963).	Historic: Ineligible.	Work area associated with reconductoring at an existing H-frame structure that is located outside of the site boundary, and the existing access road that bisects the western extent of the site and will be graded and improved as needed.
SWCA-L030-4022	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Seventeen cans (sanitary, bimetal, Prince Albert tobacco), amber glass bottle. American Period (1962 to 1968).	Historic: Ineligible.	One wooden H-frame structure with an associated work area for reconductoring, and the existing access road that bisects the northwestern extent of the site and will be graded and improved as needed.
SWCA-L030-4025	BLM Barstow FO; Private	Historic	Historic: Refuse and Discard.	Three cans (sanitary, bimetal), two colorless glass bottles. American Period (1954 to 1975).	Historic: Ineligible.	Existing access road that bisects the southern extent of the site will be graded and improved as needed.
SWCA-L030-4472	CSLC	Historic	Historic: Refuse and Discard.	Sixteen cans (sanitary, hole-in-top, motor oil, beverage, hole-in-cap). American Period (1904 to 1950s).	Historic: Ineligible.	Existing access road that bisects the center of the site will be graded and improved as needed.

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SWCA-L030-4476	CSLC	Historic	Historic: Refuse and discard, Rock feature.	Small mound of vesicular basalt and granite cobbles/boulders. 15 cans (beverage, sanitary, bimetal, motor oil, unidentifiable). Within the feature: glass bottle fragments, 12 cans (sanitary, oil), green glass bottle. American Period (1957 to 1975).	Historic: Ineligible.	Pull site that overlies the southern portion of the site, and the existing access road that bisects the western extent of the site will be graded and improved as needed. Additionally, a work area for reconductoring at an existing H-frame structure is located roughly 3 m northwest of the site boundary.
SWCA-L030-4477	CSLC	Historic	Historic: Refuse and Discard.	Nine cans (sanitary, beverage, rectangular, tobacco, paint, hole-in-cap). American Period (1908 to 1967).	Historic: Ineligible.	Existing access road that bisects the center of the site will be graded and improved as needed.
SWCA-L030-9025	SCPPA; CSLC	Historic	Historic: Refuse and Discard.	Nine cans (motor oil, bimetal, sanitary, beverage, rectangular oil/ kerosene). American Period (1904 to 1967).	Historic: Ineligible.	Existing wooden H-frame structure with an associated work area for reconductoring in the southeastern corner of the site, and the existing access road that bisects the center of the site and will be graded and improved as needed.
SWCA-L030-9026	SCPPA; Private	Historic	Historic: Refuse and Discard.	Ten cans (bimetal, sanitary, hole-in-top). American Period (1904 to 1975).	Historic: Ineligible.	Existing access road that will be graded and improved as needed is located roughly 6 m north of the site boundary.
SWCA-L030-9033	Dept of Defense	Historic	Historic: Refuse and Discard.	Four cans (sanitary, bimetal). American Period (1962 to 1975).	Historic: Ineligible.	Existing unpaved access road that will be graded and improved as needed is located roughly 14 m north of the site boundary.
SWCA-L030-9036	Dept of Defense	Historic	Historic: Refuse and Discard.	Thirteen cans (hole-in-cap, sanitary, hole-in-top, beverage, rectangular oil). American Period (1904 to 1967).	Historic: Ineligible.	Existing wooden H-frame structure with an associated work area for reconductoring in the southern extent of the site, and the existing access road will be graded and improved as needed.
SWCA-L030-9037	BLM Barstow FO; CSLC; Private	Historic	Historic: Refuse and Discard.	150+ cans (aerosol, paint/solvent, spice, meat, sanitary, bimetal, motor oil, rectangular, beverage 5-gallon drum, hole-in-top, coffee, 50-gallon drum), 73+ glass bottle fragments (amber, colorless, aqua, green, olive, aqua blue), five drinking glass fragments (textured yellow, colorless with green, orange, and red bands), 5-gallon pail with handles on each side. American Period (1962 to 1969).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
P-36-000718	Private	Historic	Historic: Refuse and Discard.	500 artifacts including 200+ cans (bimetal, beverage, sanitary, coffee) and 300+ glass bottles and fragments (colorless, brown, green). American Period (1949 to 1968).	Historic: Ineligible.	The site is partially encircled by and directly adjoins an existing access road that may be graded or otherwise improved for the project.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
P-36-006757/ CA-SBR-6757, CA-SBR-4037H, CA-SBR-4055	BLM Barstow FO; Private	Precontact	Precontact: Quarry.	Thirty-nine lithic-reduction loci. 5,000 flaked stone artifacts, including early-stage reduction debitage, cores, core fragments, edge-modified flakes, bifacial tools, and tested cobbles (chalcedony, jasper, quartzite, rhyolite).	Precontact: Eligible under Criterion 4.	Remove and replace existing OH subtransmission and telecom lines. Access 3 structures within site to conduct OH work. Existing access road to be graded and improved as needed.
P-36-006764	BLM Barstow FO; Private	Historic	Historic: Homestead/ farm/ranch resource.	Three concrete foundations, rock feature, rectangular rock-lined trash pit, rock pile and refuse concentration, rock ring, concrete foundation, wood-outlined concrete foundation and trash scatter, trash concentration, rock cairn, 2 rock alignments, burned structure, concrete pillars. 1,000+ artifacts scattered throughout the site including glass bottle fragments, window glass fragments, cans (bimetal, sanitary, hole-in-top, beer, fuel, aerosol), miscellaneous metal (including brackets, nails, strapping, bolts, nuts, screws). American Period (1934 to 1976).	Historic: Ineligible.	Construction materials yard overlays the central portion of the site, and the existing access road which marks the southeast boundary of the site will be graded and improved as needed.
P-36-027888/ CA-SBR-17379	Private	Precontact	Precontact: Lithic concentration.	Eleven chalcedony flakes (six secondary flakes and five tertiary flakes), one piece of shatter, and two cores.	Precontact: Ineligible.	No project components are within the site boundary, though an access road that will be graded and improved as needed is located roughly 9 m south of the site boundary.
P-36-028018/ CA-SBR-17474	BLM Barstow FO	Precontact	Precontact: Lithic concentration.	One chert core and three chert flakes.	Precontact: Ineligible.	No project components are located within the site boundary.
P-36-028019	Private	Historic	Historic: Homestead/ farm/ranch resource.	Property marker. 24 glass bottle fragments, four cans (sanitary, sardine), one Fiestaware ceramic bowl fragment with bright orange glaze, 24 glass bottle fragments (colorless, aqua, sun-colored amethyst). American Period (1960s to present).	Historic: Ineligible.	No project components and elements involving ground disturbance extend within the site boundary, though an access road that will be graded and improved as needed is located roughly 3 m east of the site boundary.
P-36-028020	Private	Historic	Historic: Rock feature.	1962 survey section monument installed by San Bernardino County. American Period (1962).	Historic: Ineligible.	No project components involving ground disturbance are located within the site boundary, though a pull site is located roughly 3 m to the east of the site boundary, and a new structure work area is located roughly 10 m west of the site boundary.
P-36-028022	BLM Barstow FO	Historic	Historic: Rock feature.	Collapsed cairn. Internal friction-lidded paint can. American Period (post-1906).	Historic: Ineligible.	Work area associated with the installation of a new structure outside of the site boundary and two pull sites.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
P-36-028063/ CA-SBR-17493	Private	Precontact	Precontact: Rock feature.	Five oval-shaped rock pile features, consisting of 20 to 45 or more granitic cobbles each. One biface, one core fragment, and 37 flakes of debitage (all CCS).	Precontact: Ineligible	No project components involving ground disturbance are located within the site boundary, although an access road that will be graded and improved as needed is located immediately south of the site boundary.
P-36-028064/ CA-SBR-17494	Private	Precontact	Precontact: Quarry.	207 flakes, three edge-modified flakes, eleven tested cobbles, six translucent white chalcedony flakes, gray quartzite possible hammerstone.	Precontact: Ineligible	Project components and elements that may cause ground disturbance within the site boundary consist of the existing access road that bisects the southern extent of the site and will be graded and improved as needed.
SWCA-L030-1108	Private	Historic	Historic: Refuse and Discard.	Refuse scatter, SCE Kramer-Tortilla 115-kV transmission line, unpaved historic-era access road, Hinkley Road. 100+ cans, amber bottle with the base maker's mark. American Period (1962 to 1975).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-1111	Private	Historic	Historic: Refuse and Discard.	Refuse concentration containing 32 cans (hole-in-top, sanitary), can lid, and 10 whiteware tableware fragments. American Period (1935 to 1967).	Historic: Ineligible.	One guard site.
SWCA-L030-1112	Private	Historic	Historic: Refuse and Discard.	Ninety-four cans (including sanitary), three whiteware with green glaze ceramic cup fragments. American Period (1962 to 1967).	Historic: Ineligible.	Work area for reconductor work on an existing H-frame structure in the northeastern corner of the site, and a demolition site and work area in the northwestern corner of the site for the removal of an existing H-frame structure and replacement with a new LWS H-frame suspension structure to be located roughly 15 m west of the site boundary, along with the existing access road that transects the northern extent of the site and will be graded and improved as needed.
SWCA-L030-1113	Private	Multi-component	Precontact: Temporary camp. Historic: Refuse and Discard.	Precontact Component: Ten fire-affected rock concentrations, five mano fragments, four metate fragments, two battered stones/hammer stones, one complete chert Western Triangular projectile point, an undetermined number of ceramic fragments, two edge-modified flakes, 27 pieces of lithic debitage. Late Holocene (900 B.P. to historic contact). Historic Component: historic-era cans and glass bottles. Historic dating: American Period (1935 to 1964).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Access 1 structure within site to conduct OH work, 1 splice site, and existing access road to be graded and improved as needed.

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SWCA-L030-1115	Private	Historic	Historic: Homestead/ farm/ranch resource.	Nine refuse concentrations, concrete structural foundation, and wood structural foundation. Cans (sanitary, bimetal, beer, aerosol, sardine tin, paint), glass fragments (colorless, amber, green, aqua), ceramic, miscellaneous metal. American Period (1962 to 1971).	Historic: Ineligible.	Work area for reconductoring on an existing H-frame structure in the southern portion of the site.
SWCA-L030-1116	Private	Historic	Historic: Refuse and Discard.	140 cans (sanitary, cone-top, aerosol, rectangular, hole-in-cap) in a mix of primary and secondary depositional contexts. American Period (1962 to 1971).	Historic: Ineligible.	One guard site in the northern portion of the site and an existing access road will be graded and improved as needed.
SWCA-L030-1119	Private	Historic with precontact isolate	Historic: Refuse and Discard.	200+ artifacts including 180+ window glass shards, concentration of 20 green 7-Up glass bottle fragments, four ceramic whiteware tableware fragments, four cans (sanitary, beer), one amber glass liquor bottle base, 8 degraded milled lumber fragments, chicken wire mesh, wire nails, degraded tar paper roofing shingles. American Period (post-1960). Precontact Isolate: Chert secondary flake.	Historic: Ineligible.	No project components located within the site boundary, though an existing access road that will be graded and improved as needed is located roughly 5 m north of the site boundary.
SWCA-L030-1120	Private	Precontact with historic isolate	Precontact: Temporary camp.	Rock ring, seven lithic flakes, a chert core, two edge-modified flakes, two tested cobbles. Historic Isolate: Historic-era isolate can.	Precontact: Ineligible	Project components and elements that may involve ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
SWCA-L030-1188	Private; USAF	Historic	Historic: Refuse and Discard.	131 cans (bimetal, sanitary, beverage, evaporated milk, internal friction oil), three colorless bottle bases. American Period (1960 and 1971).	Historic: Ineligible.	Two construction yards, one guard site, one existing H-frame structure for reconductoring and an associated work area, and the existing access road that will be graded and improved as needed.
SWCA-L030-1189	Private	Historic with precontact isolate	Historic: Refuse and Discard.	Seventeen cans, 16 tableware fragments, two glass bottle bases. American Period (1935 to 1982). Precontact Isolate: Three chalcedony flakes.	Historic: Ineligible.	No project components are located within the site boundary, though a work area for reconducting on an existing H-frame structure is immediately adjacent to the northern site boundary and an existing access road that will be graded and improved as needed abuts the northeastern boundary of the site.
SWCA-L030-1192	Private	Precontact with historic isolate	Precontact: Lithic concentration.	Twenty flakes (19 brown chert, one jasper), tested cobble, edge-modified flake. Historic Isolate: 2 historic-era isolate cans.	Precontact: Ineligible.	Project components and elements that may involve ground disturbance within the site boundary consist of the existing access road that will be graded as improved as needed.

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SWCA-L030-1193	Private	Precontact with historic isolate	Precontact: Lithic concentration.	Thirty-eight pieces of debitage (chert, chalcedony, jasper), a tested cobble, a broken vesicular basalt mortar. Historic Isolate: 2 historic-era cans. American Period (1962 to 1967).	Precontact: Ineligible.	No project components are located within the site boundary, though a work area for reconductoring on an existing H-frame structure and an access road that will be graded and improved as needed are located immediately northeast of the site boundary.
SWCA-L030-1194	Private	Multi-component	Precontact: Quarry. Historic: Refuse and discard.	Precontact Component: Quartzite single-reduction locus, 195 pieces of lithic debitage, 13 tested cobbles, bifacial quartzite core tool/Chopper, multi-directional bifacial chalcedony core. Historic Component: 16 Historic-era cans. American Period (1962 to 1967).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-1195	Private	Historic with precontact isolate	Historic: Refuse and Discard.	Six cans (sanitary, bimetal Pepsi, unidentifiable), colorless glass food jar. American Period (1965 to 1975). Precontact Isolate: Chalcedony primary flake fragment.	Historic: Ineligible.	No project components are located within the site boundary; though an access road is roughly 9 m south of the site boundary and a work area for reconducting on an existing H-frame structure is located roughly 5 m west of the site boundary.
SWCA-L030-1199	Private	Historic with precontact isolate	Historic: Refuse and Discard.	Fifty-five cans (beverage, oil, sanitary, unidentifiable), 31 aqua window glass fragments, 16 glass bottle body and base fragments (olive, amber, colorless). American Period (1936 and 1967). Precontact Isolate: Red jasper secondary flake.	Historic: Ineligible.	Reconductor work area and the existing access road that will be graded and improved as needed.
SWCA-L030-1200	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Seven red or butterscotch CCS flakes (one secondary and 6 tertiary). Historic Component: Historic-era rock cairn, cans and bottle. American Period (1962 to 1967).	Precontact: Ineligible. Historic: Ineligible.	Project components involving ground disturbance within the site boundary consist of a reconductor work area associated with an existing H-frame structure, and the existing access road that will be graded and improved as needed.
SWCA-L030-1201	Private	Historic	Historic: Refuse and Discard.	Forty cans (sanitary, pull-tab, internal friction, ice pick-opened, beverage). American Period (1955 and 1967).	Historic: Ineligible.	Work area for reconducting on an existing wooden H-frame structure, and the existing access road that will be graded and improved as needed.
SWCA-L030-1215	Private	Historic	Historic: Refuse and Discard.	Three cans (sanitary, beverage), colorless glass bottle base. American Period (1935 and 1951).	Historic: Ineligible.	No project components are located within the site boundary.

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SWCA-L030-1220	Private	Historic	Historic: Refuse and Discard.	Five cans (pull-tab, knife-opened, oil). American Period (post-1933).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-3208	Private	Historic	Historic: Refuse and Discard.	Two beverage cans, amber glass beer bottle base, six amber glass body bottle fragments, metal strapping section. American Period (1935 and 1960).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 15 m southwest of the site.
SWCA-L030-4000	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twenty-seven cans (sanitary, bimetal). American Period (1962 and 1967).	Historic: Ineligible.	Pull site and existing access road will be graded and improved as needed.
SWCA-L030-4002	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Eight cans (beverage, sanitary, bimetal). American Period (1962 and 1967).	Historic: Ineligible.	One pull site. Additionally, an access road will be graded and improved as needed abutting the northern site boundary.
SWCA-L030-4003	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twelve cans (bimetal, sanitary). American Period (1962 and 1967).	Historic: Ineligible.	No project components are located within the site boundary, though an unpaved access road that will be graded and improved as needed is located roughly 12 m south of the site boundary.
SWCA-L030-4004	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Eight cans (sanitary, bimetal) including Royal Crown Cola cans, two amber glass bottle bases. American Period (1962 and 1967).	Historic: Ineligible.	Existing H-frame structure for reconductoring and the associated work area in the western extent of the site.
SWCA-L030-4005	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twelve cans (crushed, beverage), pry-off metal lid, 20+ glass bottle fragments. American Period (1962 and 1970s).	Historic: Ineligible.	Existing H-frame suspension structure for reconductoring and the associated work area in the southwestern portion of the site.
SWCA-L030-4006	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twenty-four cans (bimetal, beverage, sanitary), two aqua glass Coca-Cola bottle fragments, 2+ Dr. Pepper body fragments, 500+ glass bottle fragments (amber, green, colorless). American Period (1963 to 1967).	Historic: Ineligible.	Work area associated with reconductoring on an H-frame structure is located roughly 3 m south of the site boundary.
SWCA-L030-4007	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Two church key-opened beverage cans, one Coca-Cola bottle base. American Period (ca. 1963).	Historic: Ineligible.	No project components are located within the site boundary, though a reconductor work area is located roughly 3 m east of the site boundary.
SWCA-L030-4012	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Two refuse concentrations. Milled lumber, children's toys, four dark green glass ash tray fragments, glass tumbler, bottle, and jar fragments (varied in color), Fiestaware, plastic, cans, and miscellaneous metal. American Period (1915 and 1968).	Historic: Ineligible.	Existing H-frame suspension structure for reconductoring with an associated work area located in the northern extent of the site, and existing access road will be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-4029	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Seventeen cans (hole-in-top, sanitary, beverage, bimetal, Prince Albert tobacco), two crushed paint buckets/pails with a cut-around opening. American Period (1935 and 1967).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-4031	BLM Barstow FO	Historic with precontact isolate	Historic: Refuse and Discard.	Seven cans and a 27 glass bottle fragments from one vessel). American Period (1935 to 1967). Precontact Isolate: Three chert tertiary flakes.	Historic: Ineligible.	Existing access road will be graded and improved as needed. Additionally, a new structure work area is located roughly 5 m southeast of the site boundary.
SWCA-L030-4032	BLM Barstow FO	Precontact	Precontact: Temporary camp.	Lithic reduction locus, possible hearth, 62 pieces of lithic debitage, CCS projectile point (possibly Desert side-notched, Rose Spring, or Eastgate), CCS tested cobble, 33 pieces fire-affected rock. Late Prehistoric period (approximately 1800 cal B.P. to historic contact).	Precontact: Eligible under Criterion 4.	Remove and replace existing OH subtransmission and telecom lines. Access 1 structure within site to conduct OH work, and existing access road to be graded and improved as needed.
SWCA-L030-4033	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Four cans (beverage, bimetal, sanitary), two colorless glass 1-gallon wine jugs with maker's marks (27 fragments total). American Period (post-1965).	Historic: Ineligible.	Work area associated with the installation of a new H-frame suspension structure.
SWCA-L030-4036	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Approximately 80 cans (hole-in-cap, beverage cans, oil, milk, unidentifiable). American Period (1908 to 1950s).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-4038	Private; BLM Barstow FO	Historic	Historic: Refuse and Discard.	Approximately 136 cans, glass bottle fragments (amber, colorless, aqua). American Period (1952 to 1969).	Historic: Ineligible.	One construction yard.
SWCA-L030-4039	Private; BLM Barstow FO	Historic	Historic: Refuse and Discard.	230+ glass bottle fragments from 16 soda bottles (16 finish fragments, 14 bases, 200+ body shards). American Period (1952 to 1969).	Historic: Ineligible.	No project components and elements are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 10 m southeast of the site boundary.
SWCA-L030-4041	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Bottle drop of 15 green glass bottle fragments, three church key-opened beverage cans. American Period (1935 to 1953).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 2 m northeast of the site boundary, and a work area for reconductoring is located roughly 10 m northwest of the site boundary.
SWCA-L030-4043	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Two cans (sardine, sanitary), broken colorless glass wine jug. American Period (ca. 1954).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 2 m northeast of the site boundary, and a work area for reconductoring is located roughly 10 m northwest of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-4046	BLM Barstow FO	Precontact	Precontact: Lithic concentration.	Eight flakes (chert, chalcedony).	Precontact: Ineligible.	Project components and elements that may involve ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
SWCA-L030-4049	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twelve cans (bimetal, aerosol), green glass bottle drop. American Period (1962 to 1969).	Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of one pull site.
SWCA-L030-6496	U.S. Marine Corps	Historic	Historic: Refuse and Discard.	Twelve cans (beverage, sanitary). American Period (ca. 1960).	Historic: Ineligible.	No project components involving ground disturbance are located within the site boundary, though an access road that will graded and improved as needed is located 3 m south of the site boundary.
SWCA-L030-7623	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Artifact concentration. 213 metal, glass, and ceramic artifacts including 91 cans (sanitary, sardine, church key-opened), 109 glass bottle fragments (colorless, amber), eight porcelain bowl fragments (floral pattern), and a few red brick fragments. American Period (1948 to 1949).	Historic: Ineligible.	No project components are located within the site boundary, though an unpaved access road abuts the site boundary.
SWCA-L030-7624	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Fifty-one metal and glass artifacts, consisting of 11 cans (beverage, bimetal, oil, unidentifiable) and 40+ glass bottle fragments (amber, green). American Period (1962 to 1967).	Historic: Ineligible.	Work area for reconductoring on an existing H-frame suspension structure, and the existing access road will be graded and improved as needed.
SWCA-L030-7625	USAF Edwards Air Force Base	Historic with precontact isolate	Historic: Refuse and Discard.	36+ metal and glass artifacts, consisting of 18 cans (hole-in-top, bimetal, church key-opened, sanitary, oil) and 18 glass bottle body and base fragments (green, amber). American Period (1935 to 1967).	Historic: Ineligible.	Work area associated with reconducting on an existing H-frame structure, and two existing access roads will be graded and improved as needed.
SWCA-L030-7627	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Refuse scatter, Kramer-Tortilla transmission line, Kramer-Tortilla access road. Historic artifacts: tobacco tin (n=1), crushed bimetal cans (n=25), crushed sanitary pull-tab can (n=1), can fragments (n=4), crushed sanitary cans (n=3), sanitary church-key cans (n=3), bimetal pull-tab can (n=1), 45 glass items consisting of amber (n=10), colorless (n=7), green (n=25), and aqua (n=2) glass fragments, and an amber glass bottle base (n=1). Historic dating: American Period (1962 to 1967).	Historic: Ineligible.	Access road that will be graded and improved as needed abuts the southwestern edge of the site.
SWCA-L030-7628	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Seventeen cans, four salt glaze crockery bowl fragments, 43+ glass bottle fragments. American Period (1935 to 1968).	Historic: Ineligible.	No project components involving ground disturbance are located within the site boundary, however, an access road will be

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3N: Site Description	CPUC Eligibility Determination	Impact Description
						graded and improved as needed abuts the southern tip of the site.
SWCA-L030-7629	US Air Force Edwards AFB	Multi-component	Precontact: Lithic concentration. Historic: Refuse and Discard.	Precontact Component: Two yellow jasper secondary flakes, one piece of yellow jasper shatter, two yellow jasper core fragments. Historic Component: Historic-era cans and glass. American Period (1957 to 1967).	Precontact: Ineligible. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the work area associated with reconductoring on an existing wooden H-frame suspension structure in the western extent of the site, and the existing access road that will be graded and improved as needed.
SWCA-L030-7639	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Eleven cans (sanitary, pull-tab, crushed). American Period (1962 to 1976).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 3 m north of the site boundary.
SWCA-L030-9020	Dept of Defense	Historic	Historic: Refuse and Discard.	Three cans (bimetal, beverage), 1-gallon pail/bucket embedded in the sediment. American Period (1962 to 1967).	Historic: Ineligible.	No project components are located within the site boundary, though a work area is located roughly 3 m east of the site boundary.
SWCA-L030-9022	Dept of Defense	Historic	Historic: Refuse and Discard.	Twelve cans, 10-gallon drum rim fragment, unidentifiable metal fragment, colorless glass bottle base. American Period (1962 to 1968).	Historic: Ineligible.	Work area associated with reconductoring on an existing wooden H-frame suspension structure in the western extent of the site. Additionally, an existing access road that will be graded and improved as needed is located roughly 5 m south of the site boundary.
SWCA-L303-2300	Private	Historic	Historic: Homestead/ farm/ranch resource.	Two concrete foundations. Approximately 10 milled lumber fragments.	Historic: Ineligible.	Guard site and the work area associated with reconductoring on an existing H-frame structure that is roughly 5 m south of the site boundary.

Table Ap.5-4. Proposed Project Cultural Resources: Segment 3S

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
P-36-000718	Private	Historic	Historic: Refuse and Discard.	500 artifacts including 200+ cans (bimetal, beverage, sanitary, coffee) and 300+ glass bottles and fragments (colorless, brown, green). American Period (1949 to 1968).	Historic: Ineligible.	The site is partially encircled by and directly adjoins an existing access road that may be graded or otherwise improved for the project.
P-36-006757/CA-SBR-6757, CA-SBR-4037H, CA-SBR-4055	BLM Barstow FO; Private	Precontact	Precontact: Quarry.	Thirty-nine lithic-reduction loci. 5,000 flaked stone artifacts, including early-stage reduction debitage, cores, core fragments, edge-modified flakes, bifacial tools, and tested cobbles (chalcedony, jasper, quartzite, rhyolite).	Precontact: Eligible under Criterion 4.	Remove and replace existing OH subtransmission and telecom lines. Access 3 structures within site to conduct OH work. Existing access road to be graded and improved as needed.
P-36-006764	BLM Barstow FO; Private	Historic	Historic: Homestead/ farm/ranch resource.	Three concrete foundations, rock feature, rectangular rock-lined trash pit, rock pile and refuse concentration, rock ring, concrete foundation, wood-outlined concrete foundation and trash scatter, trash concentration, rock cairn, 2 rock alignments, burned structure, concrete pillars. 1,000+ artifacts scattered throughout the site including glass bottle fragments, window glass fragments, cans (bimetal, sanitary, hole-in-top, beer, fuel, aerosol), miscellaneous metal (including brackets, nails, strapping, bolts, nuts, screws). American Period (1934 to 1976).	Historic: Ineligible.	Construction materials yard overlays the central portion of the site, and the existing access road which marks the southeast boundary of the site will be graded and improved as needed.
P-36-027888/CA-SBR-17379	Private	Precontact	Precontact: Lithic concentration.	Eleven chalcedony flakes (six secondary flakes and five tertiary flakes), one piece of shatter, and two cores.	Precontact: Ineligible.	No project components are within the site boundary, though an access road that will be graded and improved as needed is located roughly 9 m south of the site boundary.
P-36-028018/CA-SBR-17474	BLM Barstow FO	Precontact	Precontact: Lithic concentration.	One chert core and three chert flakes.	Precontact: Ineligible.	No project components are located within the site boundary.
P-36-028019	Private	Historic	Historic: Homestead/ farm/ranch resource.	Property marker. 24 glass bottle fragments, four cans (sanitary, sardine), one Fiestaware ceramic bowl fragment with bright orange glaze, 24 glass bottle fragments (colorless, aqua, sun-colored amethyst). American Period (1960s to present).	Historic: Ineligible.	No project components and elements involving ground disturbance extend within the site boundary, though an access road that will be graded and improved as needed is located roughly 3 m east of the site boundary.
P-36-028020	Private	Historic	Historic: Rock feature.	1962 survey section monument installed by San Bernardino County. American Period (1962).	Historic: Ineligible.	No project components involving ground disturbance are located within the site boundary, though a pull site is located roughly 3 m to the east of the site boundary, and a new structure work area is located roughly 10 m west of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
P-36-028022	BLM Barstow FO	Historic	Historic: Rock feature.	Collapsed cairn. Internal friction-lidded paint can. American Period (post-1906).	Historic: Ineligible.	Work area associated with the installation of a new structure outside of the site boundary and two pull sites.
P-36-028063/CA-SBR-17493	Private	Precontact	Precontact: Rock feature.	Five oval-shaped rock pile features, consisting of 20 to 45 or more granitic cobbles each. One biface, one core fragment, and 37 flakes of debitage (all CCS).	Precontact: Ineligible	No project components involving ground disturbance are located within the site boundary, although an access road that will be graded and improved as needed is located immediately south of the site boundary.
P-36-028064/CA-SBR-17494	Private	Precontact	Precontact: Quarry.	207 flakes, three edge-modified flakes, eleven tested cobbles, six translucent white chalcedony flakes, gray quartzite possible hammerstone.	Precontact: Ineligible	Project components and elements that may cause ground disturbance within the site boundary consist of the existing access road that bisects the southern extent of the site and will be graded and improved as needed.
SWCA-L030-1108	Private	Historic	Historic: Refuse and Discard.	Refuse scatter, SCE Kramer-Tortilla 115-kV transmission line, unpaved historic-era access road, Hinkley Road. 100+ cans, amber bottle with the base maker's mark. American Period (1962 to 1975).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-1111	Private	Historic	Historic: Refuse and Discard.	Refuse concentration containing 32 cans (hole-in-top, sanitary), can lid, and 10 whiteware tableware fragments. American Period (1935 to 1967).	Historic: Ineligible.	One guard site.
SWCA-L030-1112	Private	Historic	Historic: Refuse and Discard.	Ninety-four cans (including sanitary), three whiteware with green glaze ceramic cup fragments. American Period (1962 to 1967).	Historic: Ineligible.	Work area for reconductor work on an existing H-frame structure in the northeastern corner of the site, and a demolition site and work area in the northwestern corner of the site for the removal of an existing H-frame structure and replacement with a new LWS H-frame suspension structure to be located roughly 15 m west of the site boundary, along with the existing access road that transects the northern extent of the site and will be graded and improved as needed.
SWCA-L030-1113	Private	Multi-component	Precontact: Temporary camp. Historic: Refuse and Discard.	Precontact Component: Ten fire-affected rock concentrations, five mano fragments, four metate fragments, two battered stones/hammer stones, one complete chert Western Triangular projectile point, an undetermined number of ceramic	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Remove and replace existing OH subtransmission and telecom lines. Access 1 structure within site to conduct OH work, 1 splice site, and existing access road to be graded and improved as needed.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
				fragments, two edge-modified flakes, 27 pieces of lithic debitage. Late Holocene (900 B.P. to historic contact). Historic Component: historic-era cans and glass bottles. Historic dating: American Period (1935 to 1964).		
SWCA-L030-1115	Private	Historic	Historic: Homestead/ farm/ranch resource.	Nine refuse concentrations, concrete structural foundation, and wood structural foundation. Cans (sanitary, bimetal, beer, aerosol, sardine tin, paint), glass fragments (colorless, amber, green, aqua), ceramic, miscellaneous metal. American Period (1962 to 1971).	Historic: Ineligible.	Work area for reconductoring on an existing H-frame structure in the southern portion of the site.
SWCA-L030-1116	Private	Historic	Historic: Refuse and Discard.	140 cans (sanitary, cone-top, aerosol, rectangular, hole-in-cap) in a mix of primary and secondary depositional contexts. American Period (1962 to 1971).	Historic: Ineligible.	One guard site in the northern portion of the site and an existing access road will be graded and improved as needed.
SWCA-L030-1119	Private	Historic with precontact isolate	Historic: Refuse and Discard.	200+ artifacts including 180+ window glass shards, concentration of 20 green 7-Up glass bottle fragments, four ceramic whiteware tableware fragments, four cans (sanitary, beer), one amber glass liquor bottle base, 8 degraded milled lumber fragments, chicken wire mesh, wire nails, degraded tar paper roofing shingles. American Period (post-1960). Precontact Isolate: Chert secondary flake.	Historic: Ineligible.	No project components located within the site boundary, though an existing access road that will be graded and improved as needed is located roughly 5 m north of the site boundary.
SWCA-L030-1120	Private	Precontact with historic isolate	Precontact: Temporary camp.	Rock ring, seven lithic flakes, a chert core, two edge-modified flakes, two tested cobbles. Historic Isolate: Historic-era isolate can.	Precontact: Ineligible	Project components and elements that may involve ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
SWCA-L030-1188	Private; USAF	Historic	Historic: Refuse and Discard.	131 cans (bimetal, sanitary, beverage, evaporated milk, internal friction oil), three colorless bottle bases. American Period (1960 and 1971).	Historic: Ineligible.	Two construction yards, one guard site, one existing H-frame structure for reconductoring and an associated work area, and the existing access road that will be graded and improved as needed.
SWCA-L030-1189	Private	Historic with precontact isolate	Historic: Refuse and Discard.	Seventeen cans, 16 tableware fragments, two glass bottle bases. American Period (1935 to 1982). Precontact Isolate: Three chalcedony flakes.	Historic: Ineligible.	No project components are located within the site boundary, though a work area for reconducting on an existing H-frame structure is immediately adjacent to the northern site boundary and an existing access road that will be graded and improved as needed abuts the northeastern boundary of the site.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-1192	Private	Precontact with historic isolate	Precontact: Lithic concentration.	Twenty flakes (19 brown chert, one jasper), tested cobble, edge-modified flake. Historic Isolate: 2 historic-era isolate cans.	Precontact: Ineligible.	Project components and elements that may involve ground disturbance within the site boundary consist of the existing access road that will be graded as improved as needed.
SWCA-L030-1193	Private	Precontact with historic isolate	Precontact: Lithic concentration.	Thirty-eight pieces of debitage (chert, chalcedony, jasper), a tested cobble, a broken vesicular basalt mortar. Historic Isolate: 2 historic-era cans. American Period (1962 to 1967).	Precontact: Ineligible.	No project components are located within the site boundary, though a work area for reconductoring on an existing H-frame structure and an access road that will be graded and improved as needed are located immediately northeast of the site boundary.
SWCA-L030-1194	Private	Multi-component	Precontact: Quarry. Historic: Refuse and discard.	Precontact Component: Quartzite single-reduction locus, 195 pieces of lithic debitage, 13 tested cobbles, bifacial quartzite core tool/Chopper, multi-directional bifacial chalcedony core. Historic Component: 16 Historic-era cans. American Period (1962 to 1967).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-1195	Private	Historic with precontact isolate	Historic: Refuse and Discard.	Six cans (sanitary, bimetal Pepsi, unidentifiable), colorless glass food jar. American Period (1965 to 1975). Precontact Isolate: Chalcedony primary flake fragment.	Historic: Ineligible.	No project components are located within the site boundary; though an access road is roughly 9 m south of the site boundary and a work area for reconducting on an existing H-frame structure is located roughly 5 m west of the site boundary.
SWCA-L030-1199	Private	Historic with precontact isolate	Historic: Refuse and Discard.	Fifty-five cans (beverage, oil, sanitary, unidentifiable), 31 aqua window glass fragments, 16 glass bottle body and base fragments (olive, amber, colorless). American Period (1936 and 1967). Precontact Isolate: Red jasper secondary flake.	Historic: Ineligible.	Reconductor work area and the existing access road that will be graded and improved as needed.
SWCA-L030-1200	Private	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Precontact Component: Seven red or butterscotch CCS flakes (one secondary and 6 tertiary). Historic Component: Historic-era rock cairn, cans and bottle. American Period (1962 to 1967).	Precontact: Ineligible. Historic: Ineligible.	Project components involving ground disturbance within the site boundary consist of a reconductor work area associated with an existing H-frame structure, and the existing access road that will be graded and improved as needed.
SWCA-L030-1201	Private	Historic	Historic: Refuse and Discard.	Forty cans (sanitary, pull-tab, internal friction, ice pick-opened, beverage). American Period (1955 and 1967).	Historic: Ineligible.	Work area for reconducting on an existing wooden H-frame structure, and the existing

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
						access road that will be graded and improved as needed.
SWCA-L030-1215	Private	Historic	Historic: Refuse and Discard.	Three cans (sanitary, beverage), colorless glass bottle base. American Period (1935 and 1951).	Historic: Ineligible.	No project components are located within the site boundary.
SWCA-L030-1220	Private	Historic	Historic: Refuse and Discard.	Five cans (pull-tab, knife-opened, oil). American Period (post-1933).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-3208	Private	Historic	Historic: Refuse and Discard.	Two beverage cans, amber glass beer bottle base, six amber glass body bottle fragments, metal strapping section. American Period (1935 and 1960).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 15 m southwest of the site.
SWCA-L030-4000	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twenty-seven cans (sanitary, bimetal). American Period (1962 and 1967).	Historic: Ineligible.	Pull site and existing access road will be graded and improved as needed.
SWCA-L030-4002	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Eight cans (beverage, sanitary, bimetal). American Period (1962 and 1967).	Historic: Ineligible.	One pull site. Additionally, an access road will be graded and improved as needed abutting the northern site boundary.
SWCA-L030-4003	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twelve cans (bimetal, sanitary). American Period (1962 and 1967).	Historic: Ineligible.	No project components are located within the site boundary, though an unpaved access road that will graded and improved as needed is located roughly 12 m south of the site boundary.
SWCA-L030-4004	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Eight cans (sanitary, bimetal) including Royal Crown Cola cans, two amber glass bottle bases. American Period (1962 and 1967).	Historic: Ineligible.	Existing H-frame structure for reconductoring and the associated work area in the western extent of the site.
SWCA-L030-4005	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twelve cans (crushed, beverage), pry-off metal lid, 20+ glass bottle fragments. American Period (1962 and 1970s).	Historic: Ineligible.	Existing H-frame suspension structure for reconductoring and the associated work area in the southwestern portion of the site.
SWCA-L030-4006	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twenty-four cans (bimetal, beverage, sanitary), two aqua glass Coca-Cola bottle fragments, 2+ Dr. Pepper body fragments, 500+ glass bottle fragments (amber, green, colorless). American Period (1963 to 1967).	Historic: Ineligible.	Work area associated with reconductoring on an H-frame structure is located roughly 3 m south of the site boundary.
SWCA-L030-4007	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Two church key-opened beverage cans, one Coca-Cola bottle base. American Period (ca. 1963).	Historic: Ineligible.	No project components are located within the site boundary, though a reconductor work area is located roughly 3 m east of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-4012	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Two refuse concentrations. Milled lumber, children's toys, four dark green glass ash tray fragments, glass tumbler, bottle, and jar fragments (varied in color), Fiestaware, plastic, cans, and miscellaneous metal. American Period (1915 and 1968).	Historic: Ineligible.	Existing H-frame suspension structure for reconductoring with an associated work area located in the northern extent of the site, and existing access road will be graded and improved as needed.
SWCA-L030-4029	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Seventeen cans (hole-in-top, sanitary, beverage, bimetal, Prince Albert tobacco), two crushed paint buckets/pails with a cut-around opening. American Period (1935 and 1967).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-4031	BLM Barstow FO	Historic with precontact isolate	Historic: Refuse and Discard.	Seven cans and a 27 glass bottle fragments from one vessel). American Period (1935 to 1967). Precontact Isolate: Three chert tertiary flakes.	Historic: Ineligible.	Existing access road will be graded and improved as needed. Additionally, a new structure work area is located roughly 5 m southeast of the site boundary.
SWCA-L030-4032	BLM Barstow FO	Precontact	Precontact: Temporary camp.	Lithic reduction locus, possible hearth, 62 pieces of lithic debitage, CCS projectile point (possibly Desert side-notched, Rose Spring, or Eastgate), CCS tested cobble, 33 pieces fire-affected rock. Late Prehistoric period (approximately 1800 cal B.P. to historic contact).	Precontact: Eligible under Criterion 4.	Remove and replace existing OH subtransmission and telecom lines. Access 1 structure within site to conduct OH work, and existing access road to be graded and improved as needed.
SWCA-L030-4033	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Four cans (beverage, bimetal, sanitary), two colorless glass 1-gallon wine jugs with maker's marks (27 fragments total). American Period (post-1965).	Historic: Ineligible.	Work area associated with the installation of a new H-frame suspension structure.
SWCA-L030-4036	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Approximately 80 cans (hole-in-cap, beverage cans, oil, milk, unidentifiable). American Period (1908 to 1950s).	Historic: Ineligible.	Existing access road will be graded and improved as needed.
SWCA-L030-4038	Private; BLM Barstow FO	Historic	Historic: Refuse and Discard.	Approximately 136 cans, glass bottle fragments (amber, colorless, aqua). American Period (1952 to 1969).	Historic: Ineligible.	One construction yard.
SWCA-L030-4039	Private; BLM Barstow FO	Historic	Historic: Refuse and Discard.	230+ glass bottle fragments from 16 soda bottles (16 finish fragments, 14 bases, 200+ body shards). American Period (1952 to 1969).	Historic: Ineligible.	No project components and elements are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 10 m southeast of the site boundary.
SWCA-L030-4041	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Bottle drop of 15 green glass bottle fragments, three church key-opened beverage cans. American Period (1935 to 1953).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 2 m northeast of the site boundary, and a work area for reconductoring is located roughly 10 m northwest of the site boundary.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-4043	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Two cans (sardine, sanitary), broken colorless glass wine jug. American Period (ca. 1954).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 2 m northeast of the site boundary, and a work area for reconductoring is located roughly 10 m northwest of the site boundary.
SWCA-L030-4046	BLM Barstow FO	Precontact	Precontact: Lithic concentration.	Eight flakes (chert, chalcedony).	Precontact: Ineligible.	Project components and elements that may involve ground disturbance within the site boundary consist of the existing access road that will be graded and improved as needed.
SWCA-L030-4049	BLM Barstow FO	Historic	Historic: Refuse and Discard.	Twelve cans (bimetal, aerosol), green glass bottle drop. American Period (1962 to 1969).	Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of one pull site.
SWCA-L030-6496	U.S. Marine Corps	Historic	Historic: Refuse and Discard.	Twelve cans (beverage, sanitary). American Period (ca. 1960).	Historic: Ineligible.	No project components involving ground disturbance are located within the site boundary, though an access road that will graded and improved as needed is located 3 m south of the site boundary.
SWCA-L030-7623	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Artifact concentration. 213 metal, glass, and ceramic artifacts including 91 cans (sanitary, sardine, church key-opened), 109 glass bottle fragments (colorless, amber), eight porcelain bowl fragments (floral pattern), and a few red brick fragments. American Period (1948 to 1949).	Historic: Ineligible.	No project components are located within the site boundary, though an unpaved access road abuts the site boundary.
SWCA-L030-7624	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Fifty-one metal and glass artifacts, consisting of 11 cans (beverage, bimetal, oil, unidentifiable) and 40+ glass bottle fragments (amber, green). American Period (1962 to 1967).	Historic: Ineligible.	Work area for reconductoring on an existing H-frame suspension structure, and the existing access road will be graded and improved as needed.
SWCA-L030-7625	USAF Edwards Air Force Base	Historic with precontact isolate	Historic: Refuse and Discard.	36+ metal and glass artifacts, consisting of 18 cans (hole-in-top, bimetal, church key-opened, sanitary, oil) and 18 glass bottle body and base fragments (green, amber). American Period (1935 to 1967).	Historic: Ineligible.	Work area associated with reconducting on an existing H-frame structure, and two existing access roads will be graded and improved as needed.
SWCA-L030-7627	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Refuse scatter, Kramer-Tortilla transmission line, Kramer-Tortilla access road. Historic artifacts: tobacco tin (n=1), crushed bimetal cans (n=25), crushed sanitary pull-tab can (n=1), can fragments (n=4), crushed sanitary cans (n=3), sanitary church-key cans (n=3), bimetal pull-tab can (n=1), 45 glass items	Historic: Ineligible.	Access road that will be graded and improved as needed abuts the southwestern edge of the site.

Res. #	Land Ownership	Age*	Resource Type	SEGMENT 3S: Site Description	CPUC Eligibility Determination	Impact Description
				consisting of amber (n=10), colorless (n=7), green (n=25), and aqua (n=2) glass fragments, and an amber glass bottle base (n=1). Historic dating: American Period (1962 to 1967).		
SWCA-L030-7628	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Seventeen cans, four salt glaze crockery bowl fragments, 43+ glass bottle fragments. American Period (1935 to 1968).	Historic: Ineligible.	No project components involving ground disturbance are located within the site boundary, however, an access road will be graded and improved as needed abuts the southern tip of the site.
SWCA-L030-7629	US Air Force Edwards AFB	Multi-component	Precontact: Lithic concentration. Historic: Refuse and Discard.	Precontact Component: Two yellow jasper secondary flakes, one piece of yellow jasper shatter, two yellow jasper core fragments. Historic Component: Historic-era cans and glass. American Period (1957 to 1967).	Precontact: Ineligible. Historic: Ineligible.	Project components and elements involving ground disturbance within the site boundary consist of the work area associated with reconductoring on an existing wooden H-frame suspension structure in the western extent of the site, and the existing access road that will be graded and improved as needed.
SWCA-L030-7639	USAF Edwards Air Force Base	Historic	Historic: Refuse and Discard.	Eleven cans (sanitary, pull-tab, crushed). American Period (1962 to 1976).	Historic: Ineligible.	No project components are located within the site boundary, though an access road that will be graded and improved as needed is located roughly 3 m north of the site boundary.
SWCA-L030-9020	Department of Defense	Historic	Historic: Refuse and Discard.	Three cans (bimetal, beverage), 1-gallon pail/bucket embedded in the sediment. American Period (1962 to 1967).	Historic: Ineligible.	No project components are located within the site boundary, though a work area is located roughly 3 m east of the site boundary.
SWCA-L030-9022	Department of Defense	Historic	Historic: Refuse and Discard.	Twelve cans, 10-gallon drum rim fragment, unidentifiable metal fragment, colorless glass bottle base. American Period (1962 to 1968).	Historic: Ineligible.	Work area associated with reconductoring on an existing wooden H-frame suspension structure in the western extent of the site. Additionally, an existing access road that will be graded and improved as needed is located roughly 5 m south of the site boundary.
SWCA-L303-2300	Private	Historic	Historic: Homestead/ farm/ranch resource.	Two concrete foundations. Approximately 10 milled lumber fragments.	Historic: Ineligible.	Guard site and the work area associated with reconductoring on an existing H-frame structure that is roughly 5 m south of the site boundary.

Table Ap.5-5. Built Environment Resources on Proposed Project – All Segments

This table lists all built environment resources within the Direct API for all segments (eligible and noneligible).

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1, 2	P-14-004825/P-14-005766/008	Private (SCE)	ca. 1908 (SCE Control Substation)	Other	Bishop Creek Hydroelectric System Historic District. The district includes substations, powerhouses, gauging stations, flowlines, intakes, penstocks, diversions, reservoirs, dams, worker housing and other associated support buildings, towers, and transmission lines. Several contributing elements (Powerhouse 5, Bishop Intake Number 6 Dam) and resources (SCE Control Substation Complex (P-14-005766), SCE Randsburg Substation Complex (P-15-015221), and Tower Line (P-36-010316)) are located within the API.	Listed in the CRHR. Eligible under Criterion 1.	See individual contributing resources for impacts.
1	009	Private (SCE)	1913-1987	Transmission/ Utility Line	SCE Casa Diablo-Control-Sherwin 115kV Transmission Line (35.50 miles long) is a 115kV electrical transmission line and conductors mounted on single and double wood/steel poles that intersects project APE in two locations. Second transmission line (SCE Casa Diablo-Control 115kV TL) recorded as a separate resource parallels this one.	Ineligible.	One guard site and pole removal and installation sites.
1	010	Private (SCE)	1908-1965	Transmission/ Utility Line	SCE Casa Diablo-Control 115kV Transmission Line (52.80 miles long) is a 115kV electrical transmission line and conductors mounted on single and double wood/steel poles that intersects project APE in two locations. Second transmission line (SCE Casa Diablo-Control-Sherwin 115kV TL) recorded as a separate resource parallels this one.	Ineligible.	Two 95-foot TSP monopole installation sites, one tower removal site, one guard site, and one underground fiber optic installation site.
1	011	Private (SCE)	1907	Local Road	Access Road to SCE Control-Inyo Transmission Line (Plant 5 Road), approximately 1.37 miles long, is a partially-paved, one-lane road (unknown width) that makes two loops (around and within) the SCE Control Substation intersecting with the project APE in multiple locations.	Ineligible.	One guard site, two pull sites, pole removal and installation sites. Existing unpaved access roads will be graded and improved as needed.
1, 2	P-36-010316/ CA-SBR-10316H/013	Private (SCE); US Air Force, Edwards Air Force Base; California DOT	1911-1913	Transmission/ Utility Line	SCE Bishop Creek to San Bernardino "Tower Line"; SCE Bishop Creek Tower Line. Tower Line is composed of five modern-day segments of 70-feet tall double-circuit steel lattice towers, and conductors mounted on steel/wood poles that operate at 12kV and 115kV. The 5 segments are the Control-Haiwee-Inyokern No. 1 and Control-Coso-Haiwee-Inyokern, Kramer-Inyokern-Randsburg No. 1, Kramer-Victor 115 kV and Kramer-Roadway-Victor, Victor-Aqueduct-Hesperia, and Victor Apple-Valley Hesperia, and Arrowhead-Devil Canyon-Mojave Siphon-Shandin and Victor Calectric No. 2.	Listed in CRHR. Eligible under Criteria 1 and 3, and eligible as contributor to SCE Bishop Creek Hydroelectric System Historic District	Components in project API are to be removed and replaced. The removal and replacement of the historic transmission towers and conductor will result in a complete loss of integrity such that the historic line would no longer convey its identified significance.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	015	Private (SCE)	1907	Local Road	Plant 5 Road (1.37 miles long) is a partially-paved, one-lane road (unknown width) that makes two loops (around and within) the SCE Control Substation intersecting with the project APE in multiple locations.	Ineligible.	One guard site, one pull site, associated work and construction areas within boundary. Remove one 55-foot lattice steel dead-end tower. Install two 95-foot TSP monopoles. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	020	Private (SCE); CSLC; CSLC; Private (LADWP); US Air Force; DOD NAWS China Lake, NAWS, China Lake	1911-1913	Local Road	Access Road to SCE Bishop Creek to San Bernardino "Tower Line" (Southern Sierras Power Company Access Road) is a system of paved and unpaved access and spur roads averaging 15-feet wide, 238 miles long, that follows Tower Line, intersecting with project APE continuously.	Ineligible.	Multiple guard sites, multiple pull sites, associated work and construction areas within boundary. Remove and replace existing overhead subtransmission and telecom lines. Install new underground telecom alignment. Existing unpaved access roads will be graded and improved as needed.
1	021	Private (SCE)	pre-1947	Access Road	Unpaved, one-lane access road, 11-feet wide and 1.20 miles long lies entirely within project APE. Trends parallel to Coyote Valley Road in the north. Road continues into northeast but resource alignment ends within Visual APE.	Ineligible.	Demo and pull sites within boundary.
1	023	Private (unidentified); BLM Bishop FO	pre-1880	Local Road	Coyote Valley Road; Coyote Valley Road; Coyote Creek Trail; Coyote Flat Road. Built before 1880, this road is a partially paved, one-lane road, 22 feet wide and approximately 12.34 miles long.	Eligible under Criterion 1.	Approximately 235 feet of Coyote Valley Road intersect the API at a Demo and Installation Site, a Shunt Removal Site, an Overhead Removal and Installation Site, and Access Roads.
1	025	Private (LADWP); BLM, Bishop	pre-1913	Local Road	Bir Road is a partially-paved, one-lane road, 20-feet wide, 3.3 miles long, almost entirely within project APE. Trends parallel to Coyote Valley Road in the south.	Ineligible.	Associated work and construction areas within boundary. Existing unpaved access roads will be graded and improved as needed. 300-feet west of Bir Road: Remove one 70-foot lattice steel suspension tower. Remove and replace existing overhead subtransmission and telecom lines.
1	026	Private (LADWP)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 7-feet wide and 0.15 miles long, that lies entirely within project APE, providing access to a prospect mine located 145-feet south of road.	Ineligible.	Directly east of a demo site and pole installation site.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	027	Private (LADWP)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide and 1.20 miles long, that lies entirely within project APE, providing access to the Coyote Flats region.	Ineligible.	Adjacent to a shunt removal site.
1	029	Private (LADWP); BLM, Bishop	pre-1947	Access Road	Rossi Hill Road is an unpaved, one-lane road, 20-feet wide and 0.42 miles long, that lies almost entirely within the project's Direct APE, providing access to Joseph W. Rossi property and the Rossi Tungsten Mine (Mineral Dome Prospect).	Ineligible.	Multiple pull sites, demo sites, installation sites, and a construction work yard. Possible use as a project access road.
1	032	Private (Estate of Jeanne E. Brown); BLM, Bishop	1945	Residential Building	301 Rossi Hill Road (110 x 260 feet) is a land Parcel (013-050-14) comprised of a residential complex including at least 3 buildings, including a wood-frame duplex dwelling (700 square feet), 2-story large barn, and additional outbuildings.	Ineligible.	Multiple demo sites and pull sites. Adjacent to access road.
1	033	Private (unidentified)	pre-1913	Two Lane Paved Road	Sunland Lane (Sunland Drive) is a paved, two-lane road, 25-feet wide and 3.8 miles long, that parallels U.S. Highway 395, with two termini in the south and terminates at an access road at boundary of Direct APE.	Ineligible.	Possible use as a project access road.
1	034	Private (unidentified)	ca. 1930s	Water Conveyance and Control	Ditch line and concrete cobble-lined spillway, 9-feet wide and 100 feet long, partially within Direct APE that provided water to mining operations at Rossi Hill Tungsten Mine.	Ineligible.	Multiple access roads intersect eastern portion of the ditch. Existing unpaved access roads will be graded and improved as needed.
1	036	Private (unidentified)	pre-1947-1975	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide and 3 miles long, that lies entirely within Direct APE.	Ineligible.	One pull site. Possible use as a project access road. Existing unpaved access roads will be graded and improved as needed.
1	037	Private (unidentified)	pre-1913	Two Lane Paved Road	Sunland Reservation Road. Built before 1913, this paved, two-lane road is 21 feet wide and approximately 0.55 miles long.	Eligible under Criterion 1.	Visual impacts only. The proposed project will not adversely impact the resource.
1	041	Private (unidentified)	pre-1913	Historic Route	The unnamed road is an unpaved, one-lane road, 15-feet wide and 1.54 miles long, that intersects Direct APE at its terminus.	Ineligible.	One demo site and one installation site.
1	042	Private (unidentified)	pre-1913	Two Lane Paved Road	Gerkin Road. Built before 1913, this paved, two-lane road is 27 feet wide and approximately 3.8 miles long. Associated with Henry Gerken (Hinrich Gerken).	Eligible under Criterion 1.	Approximately 555 feet of Gerkin Road intersect the API at an Access Road and two Demo and Installation Sites. The proposed project will not adversely impact the resource.
1	047	Private (LADWP); BLM Bishop FO	pre-1913	Local Road	Collins Road. Built before 1913, this partially paved, two-lane road is 24 feet wide and approximately 4 miles long. It was constructed as a main wagon road through the Owens Valley and accesses the Owens River.	Ineligible	Approximately 730 feet of Collins Road intersect the API at three locations at a Guard Site, a Contractor Materials Yard, and an Access Road. The proposed

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
							project will not adversely impact the resource.
1	048	Private (LADWP); BLM Bishop FO	1913-1947	Two Lane Paved Road	County Road is a continuation of Inyo County Wagon Road. Built between 1913 and 1947, this partially paved, two-lane road is 23 feet wide and at least 12 miles long. Inyo County Wagon Road changes name to County Road at the API boundary.	Ineligible	Approximately 1.33-miles of County Road intersect the API at two locations at a Contractor Materials Yard, a Guard Site, and it as a project Access Road for almost a mile. The proposed project will not adversely impact the resource.
1	049	Private (unidentified)	pre-1975	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide and 1.25 miles long, that lies entirely within project APE and parallels a perennial stream. Terminates at County Road.	Ineligible.	One guard site, one demo site, removal and installation sites. Existing unpaved access roads will be graded and improved as needed.
1	051	Private (LADWP)	1919-1946	Two Lane Paved Road	Keough Hot Springs Road is a paved, two-lane road, 23-feet wide and 0.9 miles long, that lies entirely within project APE. Provides access to Keough Hot Springs.	Ineligible.	One guard site. Existing unpaved access roads will be graded and improved as needed.
1	053	Private (LADWP)	1886	Water Conveyance and Control	Approximately 1.33-miles of County Road intersect the API at two locations at a Contractor Materials Yard, a Guard Site, and it as a project Access Road for almost a mile. The proposed project will not adversely impact the resource.	Eligible under Criterion 1.	Approximately 525 feet of Rawson Canal intersect the API at three Demo and Installation Sites, and Access Roads. The proposed project will not adversely impact the resource.
1	055	Private (LADWP)	pre-1949	Local Road	Big Pine Canal Road is an unpaved, one-lane road, 20-feet wide and 10.5 miles long, that courses through project APE. Parallels Big Pine Canal. Abruptly changes name west of Warren Lake.	Ineligible.	Multiple demo and shunt removal sites.
1	057	Private (unidentified), BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide and 0.65 miles long, that lies entirely within project APE.	Ineligible.	Multiple guard sites, demo sites, and removal and installations sites.
1	059	Private (unidentified)	pre-1913	Two Lane Paved Road	Reynolds Road is a partially paved, two-lane road, 36-feet wide and 1.32 miles long, that lies entirely within project APE.	Ineligible.	One demo site and two access roads. Existing unpaved access roads will be graded and improved as needed.
1	061	Private (unidentified)	pre-1913	Two Lane Paved Road	Baker Creek Road is a partially paved, two-lane road, 30-feet wide and 2.18 miles long, that lies entirely in project APE.	Ineligible.	One access road. Existing unpaved access roads will be graded and improved as needed.
1	062	Private (unidentified)	pre-1913	Two Lane Paved Road	Glacier Lodge Road is a paved, two-lane road built before 1913, 35 feet wide, and approximately 11 miles long. The road follows a valley along the lip of a mountainside directly north of Big Pine Creek.	Eligible under Criterion 1.	Approximately 161 feet of the road intersect the API at a Guard Site and Demo and Installation Sites. The

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
							proposed project will not adversely impact the resource.
1	071	Private (unidentified)	pre-1947	Access Road	Nancy Lane is a partially-paved, one-lane semicircular road, 20-feet wide, approximately 0.10-miles long.	Ineligible.	Unknown.
1	072	Private (unidentified)	pre-1913	Local Road	West Street is a one-land road, approximately 0.78-miles long. The road is paved in the northeast for approximately 0.47-miles and unpaved in the southwest for 0.31-miles.	Ineligible.	Unknown.
1	073	Private (unidentified)	pre-1947	Local Road	Old Glacier Road is an unpaved, one-lane road, 13-feet wide, approximately 0.11-mile long.	Ineligible.	Unknown.
1	074	Private (unidentified)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 20-feet wide, approximately 0.45-miles long.	Ineligible.	Unknown.
1	077	Private (unidentified); BLM, Bishop	pre-1947	Water Conveyance and Control	Big Pine Creek Water System is a water system located approximately 0.20-miles west of the Big Pine Reservation that lies entirely in project APE. The resource contains a waterwheel (ca. pre-1947), a cylindrical water tank (ca. 1975-1987), a concrete lined ditch (ca. pre-1947), and a concrete lined canal (ca. 1967-1975).	Ineligible.	Five guard sites, three shunt removal sites, two transition pull sites, and existing and new access roads. Associated work and construction areas within site boundary. Remove three 65-foot wood pole. Remove ten 70-foot lattice steel suspension towers. Install new 105-foot TSP monopole. Install new 93-foot LWS monopole. Install new 110-foot TSP monopole. Install new 115-foot TSP monopole. Install new 130-foot dead-end TSP multi-pole. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	078	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 13-feet wide, approximately 0.35-miles long.	Ineligible.	Unknown.
1	079	Private (unidentified); BLM, Bishop	pre-1975	Access Road	The unnamed road is an unpaved, one-lane road, 13-feet wide, approximately 0.30-miles long that terminates at an unnamed road approximately 120-feet east of a water wheel feature.	Ineligible.	Unknown.
1	083	Private (unidentified); BLM, Bishop	pre-1975	Local Road	Big Pine Dump Road is a partially-paved one-land road, 30-feet wide, approximately 0.60-miles long.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	084	Private (unidentified)	pre-1947	Two Lane Paved Road	Gregg Road is a paved, two-lane road, 20-feet wide, approximately 0.25-miles long, that initiates in the south from Big Pine Dump Road and terminates at the historic Woodsmen of the World Cemetery.	Ineligible.	Unknown.
1	086	Private (unidentified)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide, approximately 1-mile long, that terminates approximately 400-feet south of Fish Springs Hatchery.	Ineligible.	Unknown.
1	087	Private (unidentified)	pre-1913	Access Road	The unnamed road is an unpaved, one-lane road, 13-feet wide, approximately 2-miles long.	Ineligible.	Unknown.
1	088	Private (unidentified); BLM, Bishop	pre-1913	Two Lane Paved Road	Fish Springs Road is a paved, two-lane road, 25-feet wide and 3 miles long, that lies entirely within project APE.	Ineligible.	One contractor material yard and two segments of unpaved access roads will be graded and improved as needed.
1	089	Private (unidentified)	pre-1947	Freeway/U.S Highway/State Route	Tinemaha Road (Old U.S. Highway 395) is a partially-paved, one-land road initiating west at Fish Springs Road, with two separate segments (approximately 600-meters apart) that merge into a single road. Terminates at a dead-end approximately 2-miles south of Fort Independence Reservation.	Ineligible.	Unknown.
1	090	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 19-feet wide, approximately 0.86-miles long that terminates at the banks of Tinemaha Creek.	Ineligible.	Unknown.
1, 2	P-36-007545/ CA-SBR-7545H/ 093	Private (unidentified); BLM Bishop FO	1909-1934	Freeway/U.S Highway/State Route	U.S. Highway 395. Paved, 4-lane divided major highway, approximately 176-miles long. Highway encompasses S Main St, U.S. Highway 395 Business Loop, China Lake Blvd, W Inyokern Blvd, CA State Route 178, and North Sierra Highway. Approximately 1.81-miles of U.S. Highway 395 intersect the API at more than fourteen locations.	Eligible under Criterion 1.	Approximately 1.81-miles of U.S. Highway 395 intersect the API at more than fourteen locations including thirteen Removal Sites, nine Installation Sites, seven Guard Sites, four Shunt Removal Sites, six Pull Sites, overhead Removal and Installation Sites, and at existing and new Access Roads. The proposed project will not adversely impact the resource.
1	094	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 9-feet wide, approximately 0.17-mile long.	Ineligible.	Unknown.
1	095	Private (unidentified); BLM, Bishop	pre-1913-1947	Local Road	East Elna Road is an unpaved, one-lane road, 15-feet wide, approximately 1-mile long.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	100	Private (unidentified); BLM, Bishop	pre-1967	Access Road	The unnamed road is an unpaved, one-lane road, 9-feet wide, approximately 0.20-miles long, that terminates at the banks of the Owens River.	Ineligible.	Unknown.
1	101	Private (unidentified); BLM, Bishop	1907-1947	Local Road	Aberdeen Station Road is a partially paved, two-lane road, 30-feet wide, approximately 3.28-miles long. The road is paved on both sides of U.S. Highway 395 for approximately 2-miles and continues as an unpaved road east of the Owens River.	Ineligible.	Unknown.
1	102	Private (unidentified)	1913-1967	Access Road	The unnamed road is an unpaved, one-lane road, 12-feet wide, approximately 3.30-miles long. The road follows the transmission lines.	Ineligible.	Unknown.
1	109	Private (unidentified)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 1.76-miles, that terminates at the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	110	Private (unidentified)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 3.24-miles, that initiates 20-feet east of the LA Aqueduct and terminates at the eastern banks of the Owens River.	Ineligible.	Unknown.
1	111	Private (unidentified)	pre-1907	Historic Route	North Coloseum Road is a partly paved road, between 6- and 20-feet wide, that spans approximately 4.5 miles.	Ineligible.	One contractor material yard.
1	112	Private (unidentified)	pre-1907	Historic Route	Coloseum Road is an unpaved, former wagon one-lane road, 14-feet wide and 3.12 miles long, that courses through the project APE.	Ineligible.	One contractor material yard.
1	114	Private (unidentified)	1949-1967	Access Road	The unnamed road is an unpaved, one-lane road, 21-feet wide, approximately 0.84-miles long, that terminates at an alluvial fan.	Ineligible.	Unknown.
1	115	Private (unidentified)	1948-1967	Access Road	The unnamed road is an unpaved, one-lane road, 20-feet wide, approximately 0.76-miles long, that terminates 15-feet west of a transmission line tower.	Ineligible.	Unknown.
1	116	Private (unidentified)	1967-1976	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 0.55-miles long.	Ineligible.	Unknown.
1	117	Private (unidentified)	1967-1976	Access Road	The unnamed road is an unpaved, one-lane road, 8-feet wide, approximately 0.10-miles long, that initiates approximately 0.58-miles west of Stevens Canal and terminates at a heavy concentration of high desert vegetation.	Ineligible.	Unknown.
1	119	Private (unidentified)	pre-1873	Historic Route	Mazourka Canyon Road; Citrus Road. Built before 1873, this resource is a former wagon road, now a partially paved, two-lane road between 15 to 20 feet wide. The road is approximately 17.80 miles long and travels through the Owens Valley and the Inyo National Forest.	Eligible under Criterion 1.	Approximately 2.48 miles of Mazourka Canyon Road intersect the API at 63 Installation Sites, a Guard Site, a Shunt Removal Site, and Access Roads. The

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
							proposed project will not adversely impact the resource.
1	120	Private (unidentified)	pre-1947	Access Road	The unnamed road is an unpaved, two-lane road, 25-feet wide, approximately 2.67-miles long.	Ineligible.	Unknown.
1	123	Private (unidentified)	ca. 1920s-1942	Local Road	Manzanar Reward Road is a partially paved road approximately 6.70 miles long. The road is divided into two segments: a paved north-south segment located west of US Highway 395 parallel to the historic Manzanar War Relocation Camp and a west-east segment located east of US Highway 395. Manzanar Reward Road was built ca. 1910s and modified in 1942.	Eligible under Criterion 1.	Approximately 740 feet of Manzanar Reward Road intersect the API at a Demo and Installation Site, a Construction Materials Yard, and Access Roads.
1	129	Private (unidentified)	pre-1907	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 1.78-miles long, that terminates along the banks of the Owens River.	Ineligible.	Unknown.
1	133	Private (unidentified)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 0.35-miles long, that terminates at an unnamed creek.	Ineligible.	Unknown.
1	134	Private (unidentified)	pre-1913	Water Conveyance and Control	Los Angeles Aqueduct Ditch is a concrete ditch approximately 26-feet wide, 3-feet deep, and 0.23 miles long that lies entirely within project APE.	Ineligible.	One shunt removal site. Associated work and construction areas within boundary. Remove 70-foot dead-end lattice steel tower. Install 80-foot suspension TSP multi-pole. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	141	Private (unidentified)	pre-1955	Two Lane Paved Road	The unnamed road is an unpaved, two-lane road, 22-feet wide, approximately 0.31-miles long.	Ineligible.	Unknown.
1	145	Private (unidentified)	1967-1975	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 0.18-miles long, that terminates at an unnamed road approximately 376-feet west of the Owens River.	Ineligible.	Unknown.
1	147	Private (unidentified)	pre-1907	Two Lane Paved Road	Lone Pine Narrow Gauge Road is a paved, two-lane road, 25-feet wide, approximately 3.36-miles long, that terminates east of the Owens River at Owenyo Lone Pine Road.	Ineligible.	Unknown.
1	149	Private (unidentified)	pre-1947	Local Road	The unnamed road is an unpaved, two-lane road, 20-feet wide, approximately 0.92-miles, that terminates at an unnamed road located approximately 500-feet west of the Owens River.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	150	Private (unidentified)	1955-1975	Water Conveyance and Control	LADWP Agricultural Reservoir is an agricultural reservoir that measures approximately 0.20-miles by 0.36-miles, with a total surface area of approximately 1.11-miles. The resources includes the reservoir area, composed of five separate reservoirs: 2 are narrow rectangles, 2 are triangles, 1 is a wider rectangle, all with rounded corners. The reservoirs are located on a 350-acre Parcel, directly north of Sub Station Road, directly east of Esha Street, and directly west of Owens River.	Ineligible.	Unknown.
1	151	Private (unidentified)	pre-1907	Two Lane Paved Road	Sub-Station Road. Early main wagon road and former access route to transmission lines and the Owens River built before 1907. Now, this partially paved, two-lane road is 20 feet wide and approximately 1.46-miles long. Terminates at a gated property	Eligible under Criterion 1	Approximately 0.65 miles of Sub-Station Road intersect the API at a Guard Site, a Demo Site and two Installation Sites. Sub-Station Road abuts two Demo and Installation Sites and a Construction Materials Yard. The proposed project will not adversely impact the resource.
1, 2	P-15-015209/P-14-004607/P-15-003366/CA-INY-4607H/CA-KER-10470H/ FT2-BA-45H; 152	CSLC; Private (unidentified); DOD NAWS China Lake, NAWS, China Lake; BLM, Ridgecrest; BLM, Bishop	1905-1910; pre-1944	Railroad	Southern Pacific Railroad is a historic railroad including tracks, grade and other railroad features (n=296) with a series of branches/spur lines that once spanned into 15 states for 76 miles. Two of the Southern Pacific lines are located in the area under review commencing in Lone Pine and ending north of the Randsburg Mining District: the Southern Pacific Mojave-Owenyo Branch and the U.S. Government Railroad. This resource includes multiple concrete culverts, concrete bridges, stone retaining walls, wooden loading dock and historic debris scatter.	Ineligible.	Unknown.
1	156	Private (unidentified)	pre-1907; 1947	Freeway/U.S Highway/State Route	California State Route 136 (Route 190) is a paved, two-lane road, 23-feet wide, approximately 17.5-miles long.	Ineligible.	Unknown.
1	157	Private (unidentified)	pre-1947	Two Lane Paved Road	Aqueduct Access Road is an unpaved, two-lane road, 22-feet wide, approximately 0.39-miles long, that terminates at a road loop located 89-feet east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	158	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 1.22-miles long. The road initiates east from an unnamed road, intersects the old Southern Pacific Railroad bed and terminates at a transmission line access road.	Ineligible.	Unknown.
1	160	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 20-feet wide, approximately 2.76-miles long, that terminates at an unnamed road just north of the dry Owens Lake bed.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	164	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, two-lane road, 27-feet wide, approximately 0.31-miles long, that terminates at an unnamed road that parallels the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	165	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is a paved, one-lane road, 35-feet wide, approximately 0.37-miles long, that terminates at an unnamed road approximately 25-feet east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	166	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide, approximately 0.24-miles long, that terminates at a dead end approximately 700-feet from the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	167	Private (unidentified); BLM, Bishop	1928-1947	Local Road	Carroll Creek Road is an unpaved, two-lane road, 25-feet wide, approximately 1-mile long that bisects the Los Angeles Aqueduct terminating at a private parcel.	Ineligible.	Unknown.
1	168	Private (unidentified); BLM, Bishop	ca. 1927 -1947	Local Road	Bartlett Road is an unpaved, one-lane road, 16-feet wide, approximately 1.15-miles long, that terminates along the northwestern shore of Owens Lake at the Clark Chemical Company evaporation ponds.	Ineligible.	Unknown.
1	169	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 12-feet wide, approximately 0.11-miles long, that terminates at an unnamed road approximately 82-feet east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	170	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, two-lane road, 22-feet wide, approximately 0.23-miles long, that terminates at an unnamed road located approximately 75-feet east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	171	BLM, Bishop	1947-1955	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 1.15-miles long.	Ineligible.	Unknown.
1	172	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved road, 24-feet wide, approximately 1.36-miles long, that terminates at an unnamed road approximately 600-feet east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	173	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 14-feet wide, approximately 0.22-miles long, that terminates at a Los Angeles Aqueduct bridge.	Ineligible.	Unknown.
1	175	BLM, Bishop	pre-1947	Two Lane Paved Road	The unnamed road is an unpaved, two-lane road, 40-feet wide, approximately 0.40-miles long, that terminates at Cottonwood Powerhouse Road.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	176	BLM, Bishop	pre-1907	Two Lane Paved Road	Cottonwood Road is a partially paved, two-lane road, 26-feet wide, approximately 4.2-miles long. The road follows Cottonwood Creek through the canyon.	Ineligible.	Unknown.
1	177	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 16-feet wide, approximately 0.39-miles long.	Ineligible.	Unknown.
1	178	Private (unidentified); BLM, Bishop	pre-1947	Local Road	Los Angeles Aqueduct Access Road is an unpaved road, 35-feet wide, approximately 0.87-miles long. The road crosses the Los Angeles Aqueduct and terminates at an unnamed Los Angeles Aqueduct facility.	Ineligible.	Unknown.
1	179	Private (unidentified); BLM, Bishop	pre-1947	Access Road	Unnamed Los Angeles Aqueduct Access Road is an unpaved, one-lane road, 13-feet wide, approximately 0.74-miles long, that terminates at an unnamed road approximately 230-feet east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	180	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 0.51-miles long, that terminates at an unnamed road located approximately 0.41-miles east of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	183	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide, approximately 0.21-miles long, that terminates at an unnamed road that parallels the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	184	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 9-feet wide approximately 0.14-miles long, that terminates at an unnamed road located beside the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	185	BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 14-feet wide, approximately 0.27-miles long, that terminates at an unnamed road located alongside the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	187	Private (unidentified); BLM, Bishop	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide, approximately 0.32-miles long. The road is a U-shaped route and terminates approximately 60-feet east of the old Southern Pacific Railroad grade.	Ineligible.	Unknown.
1	206	Private (A. Chang)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 21-feet wide, approximately 1.62-miles long, that terminates at a wash located approximately 0.44-miles south of a California Alkali Company evaporation pool.	Ineligible.	Unknown.
1	207	Private (unidentified)	ca. 1873	Freeway/U.S Highway/State Route	California State Route 190; Death Valley Scenic Byway. Built before 1873, this historic trail was improved over time for wagon and automobile travel. Now, it is a paved two-lane road, 14-feet wide with	Eligible under Criterion 1	Approximately 432 feet of California State Route 190 intersect the API at a

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					1-foot shoulder, approximately 187.6-miles long. This resource has a Scenic Byway designation. Portions of road follow the alignment of former immigrant trail and toll road.		Shunt Removal Site, a Demo Site, and at a Contractor Materials Yard.
1	208	Private (Crawford Law Office)	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 2.07-miles long, that terminates approximately 240-feet southeast of a transmission line tower.	Ineligible.	Unknown.
1	211	Private (Georgine Zamorski); BLM, Ridgecrest	pre-1947	Two Lane Paved Road	Fall Road is a partially paved, two-lane road, 22-feet wide, approximately 7.14-miles long that runs along the Los Angeles Aqueduct. A small segment of the road (approximately 0.87-miles) is paved initiating from the Los Angeles Aqueduct to U.S. Highway 395.	Ineligible.	Unknown.
1	214	Private (unidentified); BLM, Ridgecrest	1967-1975	Access Road	The unnamed road is an unpaved, one-lane road, 16-feet wide, approximately 0.48-miles long, that terminates at access road to SCE Control-Haiwee-Inyokern 115kV Transmission Line (a modern-day segment of the SCE Bishop Creek to San Bernardino 89kV "Tower Line").	Ineligible.	Unknown.
1	215	Private (unidentified); BLM, Ridgecrest	pre-1947	Local Road	Walker Creek Road is an unpaved, one-lane road, 25-feet wide, approximately 5.5-miles long. The road intersects U.S. Highway 395 and the Los Angeles Aqueduct, terminating at the banks of Walker Creek in the Inyo National Forest.	Ineligible.	Unknown.
1	216	Private (Richard Thies); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 11-feet wide, approximately 0.39-miles long. The road initiates south from the access road to SCE Bishop Creek to San Bernardino "Tower Line" located approximately 55-feet west of a center pivot irrigation system.	Ineligible.	Unknown.
1	218	Private (Robert and Eursell Jett); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 12-feet wide, approximately 0.38-miles long. The road initiates east from Cactus Flats Road and terminates at a private Parcel (Parcel 033-110-12).	Ineligible.	Unknown.
1	219	Private (unidentified; BLM, Ridgecrest	pre-1947	Two Lane Paved Road	Cactus Flats Road is a partially-paved, two-lane road, 30-feet wide, approximately 10.4-miles long, that terminates at a roundabout located in Little Cactus Flats. Approximately 1.36-miles of the road is paved initiating from U.S. Highway 395 and the remaining segment is unpaved.	Ineligible.	Unknown.
1	221	Private (Peter & Eneida Salerno); BLM, Ridgecrest	1958	Residential Building	751 Cactus Flats Road consists of two residential structures, 1,404-square feet, located in Olancha. This single family dwelling constructed in the Minimal Traditional style features a gabled roof. The smaller wooden dwelling constructed in the Vernacular style is unoccupied and dilapidated.	Ineligible.	Unknown.

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1	222	Private (unidentified); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 13-feet wide, approximately 0.41-miles long.	Ineligible.	Unknown.
1	223	Private (unidentified); BLM, Ridgecrest	pre-1947	Two Lane Paved Road	The unnamed road is an unpaved, two-lane road, 20-feet wide, approximately 3.35-miles long. The road initiates from North Haiwee Reservoir Dam, parallels the Los Angeles Aqueduct and intersects U.S. Highway 395.	Ineligible.	Unknown.
1	224	Private (unidentified); BLM, Ridgecrest	pre-1947	Local Road	Los Angeles Aqueduct Road is an unpaved, one-lane road, 10-feet wide, approximately 2.92-miles long.	Ineligible.	Unknown.
1	225	Private (unidentified); BLM, Ridgecrest	pre-1947	Two Lane Paved Road	North Haiwee Road is an unpaved, two-lane road, 37-feet wide, approximately 0.85-miles long, that terminates at the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	226	Private (unidentified); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feeet wide, approximately 0.54-miles long, that terminates at the old Southern Pacific Railroad bed located approximately 0.30-miles east of U.S. Highway 395.	Ineligible.	Unknown.
1	227	Private (unidentified); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 0.30-miles, that terminates at the access road to SCE Bishop Creek to San Bernardino "Tower Line" located approximately 60-feet east of an SCE Control-Haiwee-Inyokern 115kV Transmission Line tower.	Ineligible.	Unknown.
1	228	Private (unidentified); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 0.38-miles long. The road terminates at an access road to SCE Bishop Creek to San Bernardino "Tower Line" located approximately 34-feet south of an SCE Control-Haiwee-Inyokern 115kV Transmission Line tower.	Ineligible.	Unknown.
1	229	Private (unidentified); BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 0.36-miles long. The road initiates from the access road to SCE Bishop Creek to San Bernardino "Tower Line" located approximately 139-feet north of an SCE Control-Haiwee-Inyokern 115kV Transmission Line tower.	Ineligible.	Unknown.
1	230	Private (unidentified); BLM, Ridgecrest	pre-1947	Access Road	Sage Flat Road is a partially paved two-lane road, width unknown, approximately 6.17-miles long, that terminates at the Olancha Pass Trailhead. The road is paved for approximately 3.25-miles between	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					U.S. Highway 395 and the Sage Flats residential community. The remainder of the road is unpaved.		
1	233	Private (unidentified)	pre-1947	Local Road	Lakeview Road is an unpaved, two-lane road, 30-feet wide, approximately 1.5-miles long. Terminates at the southern end of North Haiwee Reservoir.	Ineligible.	Unknown.
1	235	Private (unidentified); BLM, Ridgecrest	1967-1978	Access Road	The unnamed road is an unpaved, one-lane road, 8-feet wide, approximately 0.72-miles long, that terminates approximately 141-feet west of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	236	Private (unidentified); BLM, Ridgecrest	pre-1947	Two Lane Paved Road	Haiwee Reservoir Road is a paved, two-lane road, 30-feet wide, approximately 3.3-miles long, that terminates approximately 2-miles south of South Haiwee Reservoir and continues as an unnamed road past the SCE Haiwee Substation Complex.	Ineligible.	Unknown.
1	237	Private (unidentified); BLM, Ridgecrest	pre-1947	Local Road	South Haiwee Loop Road is an unpaved, one-lane road, 15-feet wide, approximately 0.82-miles long, that terminates in the south at an unnamed road located approximately 250-feet west of the Los Angeles Aqueduct.	Ineligible.	Unknown.
1	239	Private (unidentified); BLM, Ridgecrest	1967-1975	Local Road	Second Los Angeles Aqueduct Road is an unpaved, one-lane road, 18-feet wide, that follows Second Los Angeles Aqueduct for approximately 6.8-miles. Initiates in the northwest where the Los Angeles Aqueduct branches off into its second aqueduct segment and terminates where the road changes name to the Los Angeles Aqueduct Road.	Ineligible.	Unknown.
1	245	Private (unidentified); BLM, Ridgecrest	pre-1947-1967	Local Road	Dunmovin Road is an unpaved, one-lane road, 15-feet wide, approximately 2.6-miles long. The road initiates west from the Second Los Angeles Aqueduct, travels over the Los Angeles Aqueduct, through the unincorporated town of Dunmovin. Road terminates at an open pit mine in the east.	Ineligible.	Unknown.
1	246	Private (unidentified); BLM, Ridgecrest	1947-1975	Access Road	The unnamed road is an unpaved road, 15-feet wide, approximately 1.1-miles. The road runs south of a building located north of the Terra-Gen Power Facility and shares 266-feet with the access road to SCE Bishop Creek to San Bernardino "Tower Line".	Ineligible.	Unknown.
1	248	BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved road, 15-feet wide, approximately 2.34-miles long, that terminates at a wash southwest of the Terra-Gen Power Facility.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	249	BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 17-feet wide, 1.35-miles long, that initiates east of the First Los Angeles Aqueduct. Terminates at the access road to SCE Bishop Creek to San Bernardino "Tower Line."	Ineligible.	Unknown.
1	250	BLM, Ridgecrest	pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 1-mile long, that terminates at the access road to SCE Bishop Creek to San Bernardino "Tower Line."	Ineligible.	Unknown.
1	251	BLM, Ridgecrest	1939-1948	Two Lane Paved Road	Gill Station Coso Road is a partially paved, two-lane road, 20-feet wide, approximately 11-miles long, that initiates from U.S. Highway 395 and continues east as a paved road for approximately 5.55-miles. The road continues unpaved. Terminates at a fork east of Coso Hot Springs.	Ineligible.	Unknown.
1	253	BLM, Ridgecrest	pre-1948	Access Road	The unnamed road is an unpaved, one-lane road, 7-feet wide, approximately 4-miles long, that terminates at the First Los Angeles Aqueduct.	Ineligible.	Unknown.
1	254	BLM, Ridgecrest	pre-1948	Access Road	The unnamed road is an unpaved, one-lane road, between 12 and 15-feet wide, approximately 4.30-miles long. Road crosses both the First and Second Los Angeles Aqueducts.	Ineligible.	Unknown.
1	257	Private (unidentified); BLM, Ridgecrest	1948-1954	Local Road	Cinder Road is a partially-paved road, width unknown, approximately 9-miles long, that terminates at Fossil Falls Access Road within Twin Mountain Rock Venture.	Ineligible.	Unknown.
1	262	Private (Little Lake Ranch, Inc.)	1919	Water Conveyance and Control	Little Lake; Owens Little Lake. Natural body of water and location of former water conveyance structure. The natural lake was spring fed creating a tule marsh in the bed of the Owens River. It was dammed in 1919 to create a "real" lake as part of a hotel development project. Today, only the body of water exists.	Eligible under Criterion 1.	An area of approximately 1,000 feet by 160 feet of Little Lake intersects the API at three locations. In the east, it intersects Telecom Overhead installation. In the middle portion, it intersects with a Demo and Pull site. In the west, the bank of the lake runs along an Access Road. The proposed project will not adversely impact the resource.
1	276	Private (unidentified)	pre-1943	Local Road	Black Mountain Blvd is an unpaved road, 11-feet wide in the north and up to 30-feet wide in the south, approximately 2.3-miles long, that terminates in the SCE Transmission corridor.	Ineligible.	Unknown.
1	277	Private (unidentified); DOD NAWS China Lake,	pre-1943	Local Road	Agnew Avenue is an unpaved road, 10-feet wide, approximately 3-miles long, that terminates at the SCE transmission line corridor.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	281	Private (unidentified); DOD NAWS China Lake	1943-1948	Local Road	Neal Ranch Road is an unpaved road, 20-feet wide, approximately 3.1-miles long.	Ineligible.	Unknown.
1	295	Private (unidentified); DOD NAWS China Lake	1948-1971	Access Road	The unnamed road is an unpaved road, 14-feet wide, approximately 3.2-miles long. This road merges into the access road to SCE Bishop Creek to San Bernardino 89kV "Tower Line".	Ineligible.	Unknown.
1	297	Private (unidentified); DOD NAWS China Lake	1915-1943	Two Lane Paved Road	Athel Avenue is a partially paved road, 20-feet wide, approximately 3.5-miles long. The road is paved between California State Route 14 and Brown Road. The remainder is unpaved.	Ineligible.	Unknown.
1	299	Private (unidentified); DOD NAWS China Lake	1948-1971	Local Road	3 Pines Canyon Road is an unpaved road, 35-feet wide, that is approximately 1.1-miles long, that terminates at the access road to SCE Bishop Creek to San Bernardino 89kV "Tower Line" intersection.	Ineligible.	Unknown.
1	310	Private (unidentified); DOD NAWS China Lake	1948-1967	Access Road	The unnamed road is an unpaved road, former railroad grade, 10-feet wide, approximately 4.4-miles long.	Ineligible.	Unknown.
1	311	Private (unidentified); DOD NAWS China Lake	pre-1952	Access Road	The unnamed road is an unpaved road, 18-feet wide, approximately 7.5-miles long.	Ineligible.	Unknown.
1	315	Private (unidentified)	1915-1943	Freeway/U.S Highway/State Route	California State Route 178; West Inyokern Road; East Inyokern Road. Built between 1915-1943, this resource is the eastern segment of the 166-mile three county state route. This portion spans approximately 38-miles through the Indian Wells and Searles Valley. It is paved, with four-lanes, a central median, and 40 feet wide.	Eligible under Criterion 1.	Approximately 1,003 feet of California State Route 178 intersect the API at two locations at a Guard Site, an Overhead Installation Site, and Access Roads. It also runs adjacent to two Contractor Materials Yards (at SCE Inyokern Substation Complex and at SCE Ridgecrest Service Center).
1	P-14-003802/ CA-INY-3802H/ 125	Private (unidentified)	1942	Other	**Manzanar National Historic Site.** Former Japanese internment camp (6,200 acres) established during World War II, located west of the Eastern Sierras in the Owens Valley. It was one of ten Military and National Defense-style camps established as a result of Executive	Listed in the NRHP. Listed in the CRHR.	Visual impacts only. The proposed project will not adversely impact the resource.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					Order 9066, signed by President Franklin D. Roosevelt on February 19, 1942. From 1942 to 1945 the relocation camp was home to over 10,000 men, women and children. Components include a 500-acre housing section enclosed by barbed wire, eight guard towers, Military and National Defense police housing, a cemetery, an airport, a reservoir, a sewage treatment plant, and agricultural fields for subsistence living.		
1	P-14-004589/ CA-INY-4589H/ 132	Private (unidentified)	1887-1893	Water Conveyance and Control	Stevens Ditch (Stevens Canal) is an earthen irrigation system, historically 15-miles long, that lies entirely within project APE. No associated components.	Ineligible.	Five guard sites, one shunt removal site, two pull sites, . Associated work and construction areas within boundary. Remove ten 70-foot lattice steel suspension towers. Install two 93-foot suspension TSP monopoles. Install 97-foot suspension LWS monopole. Install 110-foot suspension TSP monopole. Install two 115-foot suspension TSP monopoles. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	P-14-004590/ CA-INY-4590H/ 050	Private (LADWP)	1850-1910	Two Lane Paved Road	Inyo County Wagon Road. Built between 1850 and 1910, this unmaintained, partially paved, historic wagon road averages 20 feet wide and is approximately 70 miles long. Associated artifacts include 3 house sites, 5 trash dumps, and an associated roadway yielding domestic artifacts from 1880-1920. Today, discontinuous segments of the historic road remain alongside present U.S. Highway 395 and are used as a secondary access road. Two pairs of parallel linear depressions lie within the API.	Eligible under Criteria 1 and 4	Approximately 600 feet of the Inyo County Wagon Road intersect the API at three locations. In the north, it intersects a Pull Site, and a Demo and Installation Site. In the south, it intersects a Demo and Installation Site, and Access Roads. The proposed project will not adversely impact the resource.
1	P-14-004591/ CA-INY-4591H/ 097	Private (unidentified); BLM Ridgecrest FO	pre-1913	Water Conveyance and Control	The Los Angeles Aqueduct is an approximately 388-miles long water conveyance and power generation system built before 1913. It was extended north to Bishop in 1926 and to Mono Lake in 1944. Components include unlined channels, concrete-lined channels, flumes, conduit, siphons, tunnels, spillways, reservoirs, dams, and power plants.	Listed in the CRHR. Eligible under Criteria 1, 2, 3, and 4.	Approximately 0.67 miles of the Los Angeles Aqueduct intersect the API at eight locations including five Shunt Removal Sites, three Demo Sites, Installation Site, a Pull Site, two Guard Sites, and an Access Road. The proposed project will not adversely impact the resource.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	P-14-004677/ CA-INY-4677H/ 096	Private (unidentified); BLM, Bishop	pre-1923	Local Road	Tinemaha Dam Haul Road is a raised, unpaved, one-lane road, 15-feet wide, approximately 1.2-miles long that initiates from the southwestern end of the Tinemaha Dam, intersects the former Southern Pacific Railroad grade and the access road for the "Tower Line".	Ineligible.	Unknown.
1	P-14-004681/ CA-INY-4681H/ 082	Private (unidentified); BLM, Bishop	ca. 1880s	Water Conveyance and Control	Steward Ranch Canal is a water conveyance system with three features: a weir, a canal, and ancillary irrigation ditch system. The main canal, 10-feet wide, approximately 2.4-miles long initiating at Big Pine Creek and terminating at the Steward Ranch. The ditches measure 12-feet from berm to berm, 3-feet wide at the bottom, with a depth of 6 to 12-inches.	Ineligible.	Unknown.
1	P-14-004682/ 054	Private (LADWP)	1886-1893	Water Conveyance and Control	Big Pine Canal is an artificial water conveyance system, 20-feet wide and 14.4 miles long, that courses through the project APE, consisting of Big Pine Canal, irrigation ditch with five associated sub features, the old route of the canal from Big Pine to Fish Springs, and 5 sub-features including lateral ditches (and associated field ditches, wooden boxes and gates), berms (with an associated catch basin).	Ineligible.	Two guard sites and one shunt removal site. Associated work and construction areas within boundary. Remove 78-foot lattice steel suspension tower (85-feet north). Install new 115-foot TSP monopole (120 feet of east of canal). Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	P-14-004825/ 014	Private (SCE)	1913	Transmission/ Utility Line	Bishop Creek Hydroelectric System Plant 6-Control-Plant 5 55kV Sub-Transmission Line (1.63 miles long) is an electrical 55kV sub-transmission line extended and modified over time. Poles are spaced 100-meets apart. Components: 17 steel lattice poles (ca. 1913-1918), three wood poles (ca.2005), one steel lattice tower, switch towers at Plant 6, hydro building at Plant 5.	Ineligible.	One guard site and associated work and construction areas within boundary. Remove one 55-foot dead-end lattice steel tower. Install two 95-foot TSP monopoles, and associated construction areas. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	P-14-005022/ CA-INY-4943H/ 124	Private (unidentified)	1942-1945	Other	Manzanar Federal Airport; Inyo County Airport. Built between 1942-1945, abandoned World War II era airport with 10 associated components. Components include a concrete powerhouse building, two concrete main hanger foundations, two concrete parking areas, potential dump and oil disposal pit, a windsock circle with concrete pillar, an asphalt airport taxiway, two 5,000-foot-long asphalt-paved runways.	Eligible under Criterion 1.	A Contractor Material Yard overlaps the Manzanar Federal Airport.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
1	P-14-005023/ CA-INY-4944H/ 127	Private (unidentified)	1942	Other	Manzanar Relocation Center Sewer System (48 x 315 feet) is a sewage treatment system with 17 associated components including foundations and structures entirely within project APE.	Ineligible.	One pull site. Associated work and construction areas within site boundary. Remove 70-foot dead-end lattice steel tower. Install 120-foot dead-end TSP multi-pole. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	P-14-007130/P-14-007131/268	DOD NAWS China Lake, BLM, Ridgecrest	pre-1915, 1928, 1937	Freeway/U.S Highway/State Route	Highway 23 (Owens Valley Midland Trail) is a partially-paved road that parallels and crosses U.S. Highway 23, 18-feet wide, approximately 11-miles long. The route roughly follows the alignment of a former 1915 wagon route known as the Midland Trail, a stagecoach and freight road with at least 7 stage lines. Some dirt and rock alignments are still present. This resource includes a trail, rock-lined path and clearing, small concrete foundation (2001), and an associated 1930s-1960s refuse concentration with church-key opened cans, Model T tires (2014), horseshoe (2001), 2 historic isolates (2014): mother of pearl button, Dietz highway torch, as well as a prehistoric loci (2014) including sparse scatter of 18 obsidian and angular waste debitage.	Ineligible.	Unknown.
1	P-14-007648/ CA-INY-6396H/ 193	CSLC; CDFW, Cartago Wildlife Area; Private (unidentified); BLM, Bishop	1917	Railroad	California Alkali Plant Spur is a railroad spur grade, 12-feet wide, approximately 0.9-miles long. Alternates between a raised grade and minor cuts to create a level grade. The spur branches off the old Jawbone Southern Pacific line just north of Cartago and heads southeast to the ruins of the California Alkali Plant. This resources includes a railroad grade, box culvert, abutments. The rails and ties have been removed. At the crossing of one large seasonal drainage are the concrete abutments for a short bridge spanning 13-feet and 3-inches. The abutments are identical, measuring 14-feet wide, 7-feet high, and 28-inches thick. Running the length of the grade on the east side is an iron pipe.	Ineligible.	Unknown.
1	P-14-007649/ CA-INY-6397H; 186	Private (unidentified); BLM, Bishop	1880-1914	Water Conveyance and Control	Ditch #3 is a hand-dug earthen ditch, 2.08 miles long, that lies entirely in project APE. Top of ditch is between 3 and 6-feet wide. Bottom of ditch is between 1 and 3-feet wide. The height of the ditch is between 0.5 to 2.5-feet.	Ineligible.	Two shunt removal sites. Associated work and construction areas within site boundary. Remove two 70-foot dead-end lattice steel towers. Install two new 120-foot dead-end TSP multi-poles. Remove and replace existing overhead subtransmission and telecom lines.

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							Three access roads. Existing unpaved access roads will be graded and improved as needed.
1	P-14-008141/ 197	CSLC; CDFW, Cartago Wildlife Area; Private (Wendy Benbrooke); BLM, Bishop	1870s	Other	Cartago Townsite (Cartago) is a townsite that is the location of a former station on the Owenyo Branch of the Southern Pacific Railroad (SPRR) on the western shore of Owens Lake. The Cartago Townsite is the location of a company town constructed by the California Alkali Company in 1917. This resource includes several original 1917 buildings (including schoolhouse, 4 small employee houses, 9 large houses), remains of a brick oven, brick vault from the plant office, soda evaporating ponds on the lakebed, concrete foundations and substructures of the old manufactory, and the bed of the railroad spur that once served the plant.	Ineligible.	Unknown.
1	P-14-008745/ CA-INY-6862/ 099	Private (unidentified)	1932	Water Conveyance and Control	Abandoned LADWP earthen drain ditch, between 15-feet and 30-feet wide and between 6-feet and 10-feet deep, approximately 1,531-feet long. It was constructed to drain water from the Carson and Colorado Railroad track (in operation 1883-1960). Components in the Indirect API consist of ditch headgate (constructed of milled lumber and steel) and an adjacent stilling well set in concrete.	Eligible under Criterion 1.	Approximately 348 feet of ditch intersect the API at an Overhead Removal and Installation Site, and at an Access Road. The proposed project will not adversely impact the resource.
1	P-14-008844/ CA-INY-6956/ 242	Private (unidentified); BLM Ridgecrest FO	1927	Substation	SCE Haiwee Substation Complex; Haiwee Powerhouse. Built in 1927, this resource is a 5.4MW hydroelectric substation complex. Components within API include a cast concrete power plant, three fenced substations containing transformers, powerlines, wooden water tank, surge chamber, portion of buried penstock, open concrete-lined canal, buried aqueduct, residential structure, garage, shed, valve boxes, driveways and parking areas, portion of rock retaining wall, rain gauge, and associated artifacts.	Eligible under Criterion 1.	An area of approximately 205 feet by 270 feet of the SCE Haiwee Substation Complex intersects the API at a Pull Site, Installation Site, and Access Road. The proposed project will not adversely impact the resource.
1	P-14-009477/ CA-INY-7397 (for site)/269	DOD NAWS China Lake, NAWS, China Lake; BLM, Ridgecrest	ca.1912	Other	North-south oriented, linear retaining wall that lines the west drainage bank east of U.S. Highway 395 near the base of a basalt escarpment. The wall is approximately 45-meters long and 3 to 4-feet tall composed of large volcanic rocks stacked at least 4 tiers high that partially enclose the east side of a transmission line tower (T-856). Associated artifacts include 2 biface reduction obsidian flakes and 3 sanitary cans.	Ineligible.	Unknown.
1	P-14-012883/ 046	Private (LADWP); BLM, Bishop	1950-1952	Transmission/ Utility Line	LADWP Owens Gorge 230kV Transmission Line (248 miles long) is an electrical 230kV transmission line, towers/poles, conductors and associated wire that parallel project corridor, intersecting project area. Line meets with 500kV Pacific Intertie at Highway 395 in Direct APE.	Ineligible.	Two pull sites and one demo site. Associated work and construction areas within boundary. Remove and replace existing overhead subtransmission and

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					This resource contains approximately 80-feet tall dead-end and suspension steel lattice towers, and conductors mounted on 80-feet steel/wood poles.		telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	P-15-011274/ CA-KER-6624H/ CA-INY-6545H/ 282	Private (unidentified); DOD NAWS China Lake	1875	Historic Route	Nadeau Road; Darwin Road; Buckley and Kelly Stage Road; Remi Nadeau Freight Road System; Mt. Springs Canyon Road. Built in 1875, this resource is an unpaved road segment, 10 feet wide, approximately 1.17 miles long, within a system of dirt freight roads. Isolated and artifact concentrations and three large well shaft sites with associated domestic artifacts located adjacent to road.	Eligible under Criterion 1.	Approximately 210 feet of Nadeau Road intersect the API at an Overhead Installation Site and Access Road. The proposed project will not adversely impact the resource.
1	P-15-013796/ 312	Private (unidentified); DOD NAWS China Lake	1913	Substation	SCE Inyokern Substation Complex is a substation complex, 363 x 248 feet and 89 x 84 feet, that lies entirely within project APE. This resource includes oil circuit breakers, transformers, voltage regulators, a control house, and a small shed.	Ineligible.	One guard site, one pull site, one demo site, one contractor material yard. Associated work and construction areas within boundary. Install new 90-foot dead-end TSP multi-pole. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
1	P-15-015802/ CA-KER-8684H/ 284	Private (unidentified); DOD NAWS China Lake	1925-1943	Local Road	Leliter Road is a partially-paved road, 20-feet wide, approximately 4.69-miles long. The road initiates as an unpaved road for 0.42-miles and resumes as a paved road at U.S. Highway 395 for approximately 2.85-miles and transitions into an unpaved road for the remainder of the road. This resource consists of two features: the bladed road segment (FI) and a hand-painted metal sign (F2) reading "DANGER/ Rocket Sled Test Track/Do not Enter", and an associated artifact scatter along the roadside of 14 cans, 45 glass fragments, and approximately 100 lumber fragments and miscellaneous metal cans.	Ineligible.	Unknown.
1	P-15-017441/ CA-KER-9602H/ 273	Private (unidentified)	ca. 1850s	Historic Route	Brown Road, ca. 1850s, this historic wagon road is now a partially paved road, 20 feet wide with shoulders between 10 and 20 feet, approximately 22 miles long. Components include multiple homestead fence alignments, well pump houses and ten associated artifact loci.	Eligible under Criterion 1.	Brown Road intersects API in a T-shape at two locations for approximately 0.68 miles. In the north, Brown Road intersects a Demo, a Guard Site, and Contractor Materials Yard. In the south, Brown Road intersects a Guard Site, two Shunt Removal Sites, and one Pull Site. Brown Road also serves as an access road. The proposed project will not adversely impact the resource.

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1	P-15-017445/ CA-KER-9606H/ 298	Private (unidentified); DOD NAWS China Lake	pre-1915	Local Road	The unnamed road is an unpaved single-track road, between 6 and 8-feet wide, in a northeast to southwest orientation for approximately 3.49-miles long. Loci occur along roadside (A-E), all historic refuse dumps (ca. 1914-1937) containing domestic and building materials (rebar, brick). Isolated cans occur in a thin scatter up to 100 feet north and south of alignment.	Ineligible.	Unknown.
2	317	Private (unidentified)	1937	Transmission/ Utility Line	SCE Inyokern-Kramer-Randsburg No. 3 115kV Transmission Line is a galvanized steel lattice towers and transmission line that spans approximately 50-miles initiating in the north at the SCE Inyokern Substation continuing 22-miles south to the SCE Randsburg Substation and 27-miles south to the SCE Kramer Substation.	Ineligible.	Unknown.
2	318	Private (unidentified)	1948-1967	Local Road	North Mercury Street is an unpaved road, 20-feet wide, approximately 0.25-miles long. The road provides access to transmission lines.	Ineligible.	Unknown.
2	320	Private (unidentified)	1967-1971	Local Road	Weiman Avenue is an unpaved road, 15-feet wide, approximately 0.28-miles long.	Ineligible.	Unknown.
2	321	Private (unidentified)	1948-1967	Local Road	Access Road to SCE Inyokern-McGen-Searless No.1 Transmission Line consists of unpaved and paved road segments, both named and unnamed, approximately 33-miles long.	Ineligible.	Unknown.
2	322	Private (unidentified)	1972-1994	Local Road	Sydnor Ave is an unpaved road, 15-feet wide, that spans in two discontinuous segments for approximately 0.9-miles long.	Ineligible.	Unknown.
2	323	Private (unidentified)	pre-1943	Local Road	Felspar Avenue is an unpaved road segment, 25-feet wide, that spans approximately 0.9-miles creating a right angle.	Ineligible.	Unknown.
2	329	Private (unidentified)	pre-1948	Local Road	Ridgecrest Blvd is a partially-paved discontinuous road segments, 17-feet wide, that spans 12.5-miles long. The road is unpaved between Avenida del Sol and Jacks Ranch Road.	Ineligible.	Unknown.
2	330	Private (unidentified)	1948-1972	Other	Kerr McGee Youth Sports Complex (Stauffer Park) is a multi-use recreation facility, 8.4 acres, that overlaps project area. Components: baseball and soccer fields, playground, indoor facilities (gymnasium, two racquetball courts, aerobics room, showers, lockers, preschool, banquet rooms, meeting rooms, kitchen).	Ineligible.	The north half of facility overlaps with contractor material yard at two baseball fields.
2	331	Private (unidentified)	1967	Substation	SCE Downs Substation Complex is an open-air distribution substation on a 4.64-acre lot located on the corner of South Downs Street and West Ridgecrest Boulevard. The substation is enclosed behind a grounded chain-link fence with barbed wire strands above the fence.	Ineligible.	Unknown.
2	332	Private (unidentified)	1915-1947	Two Lane Paved Road	South Downs Street is a paved four-lane road, 20-feet wide, approximately 3.46-miles long. The road transitions into an unpaved	Ineligible.	Unknown.

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					road at the South China Lake Blvd intersection. The road is presumed to have been constructed as an access road through Ridgecrest.		
2	333	Private (unidentified)	1970-1973	Two Lane Paved Road	East Upjohn Ave is a paved road, 56-feet wide, approximately 1.24-miles long.	Ineligible.	Unknown.
2	334	Private (unidentified)	1948-1972	Other	SCE Ridgecrest Service Center is a service center complex on 3.96-acres surrounded by a tall fence located directly east of South China Lake Blvd and directly south of East Upjohn Avenue. This resource includes 10 rectangular industrial structures, a helicopter pad, a security guard house, and several concrete parking structures. There also appears to be construction materials, several shipping containers, and large elongated pieces of metal.	Ineligible.	Unknown.
2	341	Private (unidentified); BLM, Ridgecrest	1967-1971	Access Road	The unnamed road is an unpaved road, 11-feet wide, approximately 0.12-miles long, that terminates in the SCE transmission corridor.	Ineligible.	Unknown.
2	345	Private (unidentified); BLM, Ridgecrest	1971-1975	Local Road	Clone Avenue (Elone Avenue) is an unpaved road, 10-feet wide, approximately 0.45-miles long, that terminates at an access road to a SCE transmission line.	Ineligible.	Unknown.
2	354	BLM, Ridgecrest	1967-1971	Access Road	The unnamed road is an unpaved road, 10-feet wide, approximately 0.85-miles long.	Ineligible.	Unknown.
2	356	BLM, Ridgecrest	1971	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 0.7-miles long, that terminates at an access road to SCE transmission line.	Ineligible.	Unknown.
2	357	BLM, Ridgecrest	1954-1967	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 1-mile long, that terminates at an unnamed road approximately 20-feet from the old Southern Pacific Railroad grade.	Ineligible.	Unknown.
2	363	BLM, Ridgecrest	1967-1971	Access Road	The unnamed road is an unpaved road, 13-feet wide, approximately 1-mile long, that terminates at the SCE transmission line corridor.	Ineligible.	Unknown.
2	364	BLM, Ridgecrest	pre-1948	Access Road	The unnamed road is an unpaved road, 13-feet wide, approximately 1-mile long, that terminates at the SCE transmission line corridor.	Ineligible.	Unknown.
2	380	Private (unidentified); BLM Ridgecrest FO	pre-1903	Two Lane Paved Road	Garlock Road. Built before 1903, this paved two-lane road is 24 feet wide with a 5-foot shoulder on both sides, and approximately 8.30 miles long. The evaluated road was once part of a much longer route that was utilized by mule teams transporting borax from Searles Lake to the port of San Pedro during the 1870s.	Eligible under Criterion 1.	Approximately 0.24 miles of Garlock Road intersect the API at two locations, a Guard Site, Overhead Installation Site, and Access Roads. It also runs adjacent to Contractor Materials Yard. The proposed project will not adversely impact the resource.

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2	381	Private (unidentified); BLM, Ridgecrest	pre-1965	Access Road	The unnamed road is an unpaved road, 16-feet wide, approximately 0.07-miles long, that terminates at the Southern Pacific Railroad line.	Ineligible.	Unknown.
2	382	Private (unidentified); BLM, Ridgecrest	pre-1965; pre-2009	Access Road	The unnamed road is an unpaved road, 15-feet wide, approximately 0.2-miles long, that terminates at the SCE transmission corridor.	Ineligible.	Unknown.
2	385	Private (unidentified); BLM, Ridgecrest	1954-1965	Local Road	Road R122 is an unpaved road, 18-feet wide, approximately 4.3-miles long, that terminates at the Southern Pacific Railroad line.	Ineligible.	Unknown.
2	387	Private (unidentified); BLM, Ridgecrest	pre-1965	Access Road	The unnamed road is an unpaved road, 9-feet wide, approximately 0.17-miles long.	Ineligible.	Unknown.
2	388	Private (unidentified); BLM, Ridgecrest	1965-1967	Access Road	The unnamed road is an unpaved road, 12-feet wide, approximately 0.72-miles long, that travels in a semicircle, entering and exiting on Goler Road.	Ineligible.	Unknown.
2	389	Private (unidentified); BLM, Ridgecrest	pre-1954	Two Lane Paved Road	Goler Road is a paved road, 22-feet wide and 4.2 miles long, that courses through project APE.	Ineligible.	One guard site, one shunt removal site, and contractor material yard. Associated work and construction areas within boundary. Remove nine 70-foot lattice steel suspension towers. Remove 70-foot dead-end lattice steel tower. Remove 80-foot dead-end lattice steel tower. Install two new 92-foot TSP suspension monopoles. Install five new 87-foot TSP suspension monopoles. Install four new 82-foot TSP suspension monopoles. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
2	390	Private (unidentified); BLM, Ridgecrest	1965-1973	Local Road	Unnamed Transmission Line Access Road is an unpaved road, 9-feet wide, approximately 3.2-miles long, that terminates at the Union Pacific Railroad line. The road runs through the SCE transmission line corridor.	Ineligible.	Unknown.

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2	397	Private (unidentified); BLM, Ridgecrest	pre-1965	Access Road	Unnamed Transmission Line Access Road is an unpaved road, 16-feet wide, approximately 0.7-miles long. This road runs through the SCE transmission line corridor.	Ineligible.	Unknown.
2	401	Private (unidentified); BLM, Ridgecrest	pre-1965	Access Road	The unnamed road is an unmaintained paved road, 15-feet wide, approximately 0.1-miles long.	Ineligible.	Unknown.
2	402	Private (unidentified); BLM, Ridgecrest	pre-1965	Access Road	The unnamed road is an unpaved road, 11-feet wide, approximately 0.25-miles long, that initiates from an unnamed road located approximately 530-feet north of Road R85 and loops back around terminating at the unnamed road.	Ineligible.	Unknown.
2	403	Private (unidentified); BLM, Ridgecrest	1954-1965	Access Road	The unnamed road is an unpaved route, 10-feet wide, approximately 0.35-miles long, that terminates at an unknown mining feature located approximately 300-feet north of Road R85 in the Stringer District.	Ineligible.	Unknown.
2	404	Private (unidentified); BLM, Ridgecrest	pre-1954	Local Road	Road R85 is an unpaved road, 15-feet wide, approximately 2.5-miles long.	Ineligible.	Unknown.
2	409	BLM, Ridgecrest	pre-1954; pre-2005	Access Road	The unnamed road is an unpaved road, 12-feet wide, approximately 1.72-miles long, that terminates at the SCE transmission corridor.	Ineligible.	Unknown.
2	410	BLM, Ridgecrest	pre-1915	Access Road	The unnamed road is an unpaved wagon road, 15-feet wide, approximately 1.52-miles long.	Ineligible.	Unknown.
2	411	Private (unidentified); BLM, Ridgecrest	pre-1954	Access Road	The unnamed road is an unpaved road, 15-feet wide, approximately 1.9-miles long.	Ineligible.	Unknown.
2	412	Private (unidentified); BLM, Ridgecrest	1965-2006	Access Road	The unnamed road is an unpaved road, 10-feet wide, approximately 1.3-miles long.	Ineligible.	Unknown.
2	413	Private (unidentified); BLM, Ridgecrest	1954-1965	Local Road	The unnamed road is an unpaved road, 9-feet wide, approximately 7.38-miles long.	Ineligible.	Unknown.
2	415	BLM Ridgecrest FO	pre-1903	Local Road	Cuddeback Road. Built before 1903, this unpaved wagon road is 13 feet wide and approximately 5.86 miles long. It appears to extend from the Twenty Mule Team Parkway in the east continuing in the same trajectory.	Eligible under Criterion 1	Approximately 75 feet of Cuddeback Road intersect the API at two Installation Sites and a Guard site. The proposed project will not adversely impact the resource.

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2	416	BLM, Ridgecrest	1972-1994	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 1.55-miles long.	Ineligible.	Unknown.
2	418	BLM, Ridgecrest	1952-1972	Local Road	The unnamed road is an unpaved road, 7-feet wide, approximately 5.03-miles long.	Ineligible.	Unknown.
2	419	BLM, Ridgecrest	1915-1947	Local Road	Fremont Peak Road is an unpaved road, 10-feet wide, approximately 15.11-miles long that circumnavigates Fremont Peak.	Ineligible.	Unknown.
2	421	Private (unidentified); BLM, Ridgecrest	pre-1952	Local Road	The unnamed road is an unpaved road, 11-feet wide, approximately 5.81-miles long.	Ineligible.	Unknown.
2	422	Private (unidentified); BLM, Ridgecrest	pre-1952	Access Road	The unnamed road is a paved road, 16-feet wide, approximately 1.65-miles long.	Ineligible.	Unknown.
2	423	Private (unidentified); BLM, Ridgecrest	1952-1972	Local Road	The unnamed road is an unpaved road, 10-feet wide, approximately 11.17-miles long, that terminates at a fork in the road.	Ineligible.	Unknown.
2	424	Private (unidentified); BLM, Ridgecrest	1952-1973	Two Lane Paved Road	Rosewood Blvd is a paved road, 10-feet wide, approximately 10.76-miles long.	Ineligible.	Unknown.
2	425	CSLC; Private (unidentified); BLM, Ridgecrest	pre-1952	Local Road	Locust Road is a partially-paved road, ranging between 8- to 38-feet wide, approximately 2.65-miles long. Located in the former Boron Air Force Station. West of U.S. Highway 395, the road is a double-track paved road. East of the highway, the road is a single-track dirt road. This resource includes an existing FAA dome structure used for aircraft flight tracking.	Ineligible.	Unknown.
2	426	CSLC; Private (unidentified); BLM, Ridgecrest	1972-1994	Local Road	East Waseca Road is an unpaved road, 10-feet wide, approximately 0.40-miles long.	Ineligible.	Unknown.
2	429	Private (unidentified); BLM, Ridgecrest	1952-1972	Local Road	Balsamo Road is an unpaved road, 24-feet wide, approximately 2.13-miles long.	Ineligible.	Unknown.
2	430	Private (unidentified); BLM, Ridgecrest	1952-1972	Local Road	Marshall Street is an unpaved road, 13-feet wide, approximately 0.52-miles long.	Ineligible.	Unknown.

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2	431	Private (unidentified); BLM, Ridgecrest	1972-1994	Local Road	Cumberland Road is an unpaved road, 21-feet wide, approximately 2.38-miles long.	Ineligible.	Unknown.
2	432	Private (unidentified)	1952-1972	Local Road	The unnamed road is an unpaved road, 8-feet wide, approximately 0.78-miles long, that terminates at the SCE transmission line corridor.	Ineligible.	Unknown.
2	433	Private (unidentified)	1952-1972	Local Road	Farmington Road is an unpaved road, 15-feet wide, approximately 10.3-miles long, that terminates at the east side of the Rio Tinto Borax Mine.	Ineligible.	Unknown.
2	437	Private (unidentified); BLM, Ridgecrest; DOD (Edwards AFB)	1952-1972	Local Road	Pipeline Road is an unpaved road, 15-feet wide, approximately 4-miles long, that terminates at the access road to SCE Kramer-Coolwater Transmission Line.	Ineligible.	Unknown.
2	457	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1962	Transmission/ Utility Line	SCE Kramer-Rocket Test 115kV Transmission Line is a 115kV electrical transmission line and wood H-frame towers with ceramic insulators that spans approximately 11.33-miles connecting the SCE Kramer Substation (built in 1958) and SCE Rocket Test Substation (built in 1962).	Ineligible.	Unknown.
2	458	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1937 /1966-1989	Substation	SCE Kramer Substation Complex is a substation complex situated on 26.57-acres. Structures at the utilitarian complex consist of a Control House, a Communications Building, a Maintenance Shop, a Pump House, a Water Tank, and a Relay House. The Relay House dates to circa 1937 while the remaining buildings date to circa 1966 to 1989. The Control House contains modernistic features with concrete masonry unit walls painted a buff color, a flat roof, and general rectilinear plan. Additional structures include the Mechanical Electric Equipment Room (MEER) and the Battery Enclosure Building.	Ineligible.	Unknown.
2	459	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1950	Transmission/ Utility Line	SCE Kramer-Roadway-Victor 115kV Transmission Line is a 115kV electrical transmission line and tubular steel poles approximately 34.7-miles long connecting SCE Kramer Substation and SCE Victor Substation. The transmission line passes through the SCE Roadway Substation in Adelanto.	Ineligible.	Unknown.
2	P-15-007069/ P-36-008315/ P-15-002221 CHL No. 938/ CA-SBR-8315H/ CA-KER-8430H/	Private (Yellow Aster Mining & Milling Company); Private (RMDG	1895	Other	Rand Historic District: Gold mining district, ca. 1895, the majority of which is sited within Kern County. The district includes 17 discontinuous locations covering approximately 56 square miles: Little Butte Mining Complex, Kenyon Mine, Butte Lode Mining Complex, Yellow Aster Mine, Kelly Mine, the town of Randsburg, the town of Johannesburg, the town of Atolia, the town of Red Mountain, Stringer	Listed in NRHP; Listed in CRHR; Eligible under Criteria 1 and 3.	The Little Butte Mining Complex intersects the API at a Demo Site, a Removal and Installation Site, a Guard Site, a Pull Site, an Overhead Installation Site, and Access Roads.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
	C.A-KER-2221H/398	LLC); Private (SCE)			Mining District, Redrock Randsburg Road, Joberg Road, Butte Avenue, Red Mountain Road, Randsburg-Mojave Road, Mountain Wells Avenue, and the SCE Randsburg Substation Complex. The town of Randsburg, a contributor to the district, is considered the best-preserved mining town in the Mojave Desert.		Kenyon Mine intersects the API at a Demo Site, a Removal and Installation Site, a Pull Site and Overhead Installation Site. SCE Randsburg Substation Complex overlaps the API almost entirely at a Demo Site, a Removal and Installation Sites, a Pull Site and an Overhead Installation Site. The Stringer Mining District intersects the API at five locations at a Demo Site, five Removal and Installation Sites, a Guard Site, two Shunt Removal Sites, one Pull Site, and five Overhead Installation Sites. Randsburg-Mojave Road intersects API between an Overhead Installation Site and Access Road.
2	P-15-012543/ CA-KER-7078H/ 326	Private (unidentified)	ca. 1870s	Historic Route	Freight Road to Panamint Mine (Felspar Road) is an unpaved, discontinuous segments of former wagon road, 6-feet wide and 36 miles long.	Ineligible.	One shunt removal site. Associated work and construction areas within site boundary. Remove 70-foot lattice steel suspension tower. Temporary 70-foot LWS monopole. Remove and replace existing overhead subtransmission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
2	P-15-015028/ CA-KER-8372H/ 335	Private (unidentified)	pre-1943	Historic Route	Bowman Road; Midland Trail. Considered a prehistoric route later used by early 20th century settlers in the Indian Wells Valley. Now, it is a partially paved, two-lane road, 25 feet wide, approximately 22 miles long.	Eligible under Criterion 1	Approximately 165 feet of Bowman Road intersect the API at Demo Sites, Removal and Installation Sites, a Guard Site, a Construction Material Yard, a Shunt Removal Site, Overhead Removal and Installation Sites, and Access Roads. The proposed project will not adversely impact the resource.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
2	P-15-015221/ CA-KER-8430H/ 399	Private (unidentified); BLM Ridgecrest FO	1912	Substation	SCE Randsburg Substation Complex. Open-air substation complex with two concrete pads enclosed by tall barbed-metal fencing, several switching racks, poles, transformers, a relay building, two stone and mortar walls, and tailing piles. No structures.	Eligible under Criteria 1 and 3, and eligible as contri-butor to SCE Bishop Creek Hydroelectric System Historic District.	Almost the entire site overlaps the API at Demo Sites, Removal and Installation Sites, a Pull Site, and an Overhead Installation Site. The proposed project will not adversely impact the resource.
2	P-15-017294/ CA-KER-9484H/ 361	BLM, Ridgecrest	pre-1915	Historic Route	The unnamed road is an unpaved one-lane prehistoric transit route and historic wagon road, 10-feet wide and 7.14 miles long, that courses through the project APE. Cultural corridor extends more than 100-meters wide at some loci along route.	Ineligible.	Associated work and construction areas within boundary. Remove 70-foot lattice steel suspension tower. Install new 87-foot LPS suspension monopole. Remove and replace existing overhead subtrans-mission and telecom lines. Existing unpaved access roads will be graded and improved as needed.
2	P-36-005731/ CA-SBR-5731H/ 444	Private (unidentified)	1897	Railroad	Kramer-Randsburg Railroad; Atchison, Topeka & Santa Fe Railway. Severed, railroad grade, approximately 26 miles long. Associated artifacts include torch-cut railroad tie spikes and domestic refuse deposit (ca. 1902-1930). Railway line begins inside Rand Historic District at SCE Randsburg Substation Complex. It provides access to SCE Randsburg Substation Complex and Burlington Northern Santa Fe (BNSF) Railroad. Abandoned in 1933 due to the Great Depression.	Eligible under Criterion 1	Approximately 720 feet of this segment intersects API at Removal and Installa-tion Sites, two Pull Sites, and an Overhead Removal and Installation Site. The proposed project will not adversely impact the resource.
2	P-36-007431/ CA-SBR-7431H/ 417	BLM, Ridgecrest	1872	Historic Route	Kramer Station Road (Kramer to Point of Rocks (Helendale) Road) is an unpaved single-track wagon road, ranging from 8- to 19-feet wide, approximately 16.5-miles long. Today, only a portion of the northern segment initiating north from California State Route 58 to U.S. Highway 395 is maintained. The resource contains 40 features associated with this road including 22 military-related deposits such as trending fence lines, a bomb, and prospect pit.	Ineligible.	Unknown.
2	P-36-025237/ 456.02	Private (Owner of Parcel 049-213-101)	pre-1934	Local Road	The unnamed road is an unpaved two-lane road, 10-feet wide, approximately 2.39-miles long, that terminates at the access road to SCE Kramer-Tortilla Transmission Line.	Ineligible.	Unknown.
2	P-36-025591/ 443	CSLC; Private (Kramer Apart-ments Corp.); DOD (Edwards	1958	Other	Darr Motel consists of three one-story WWII barracks (probably acquired from Edwards AFB) converted to a motel in 1958.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
		AFB); California DOT					
2	P-36-025592/ 450	CSLC; Private (Karen D. Caillier); DOD (Edwards AFB); California DOT	ca. 1940s	Residential Building	40475 U.S. Highway 395 is a single-story building constructed as a dwelling and later converted to commercial use sited on 16.79-acres. The building is rectilinear in plan with a moderately pitched side gable roof covered in composite tiles. Exterior walls are constructed of Concrete Masonry Units (CMU) with steel sash windows installed along the street-facing (front) elevation.	Ineligible.	Unknown.
2	P-36-025593/ 452	Private (Karen D. Caillier)	ca.1950s	Residential Building	6158 State Route 58 (Caillier Residence) is a single-story building constructed as a dwelling and later converted to commercial use sited on 16.79-acres. The dwelling is horizontal wood framed building, rectilinear in plan atop a concrete foundation, and is covered by a moderately pitched side gable standing seam roof. An arched stucco wall partitions the residence. The property is partially enclosed by a 4-foot tall metal chain-link fence.	Ineligible.	Unknown.
2	P-36-025595/ 442	CSLC; Private (Kramer Services Corp.); DOD (Edwards AFB); California DOT	1960-1965 1971	Other	Kramer Services Corporation (Kramer Junction Four Corners, Beecher's Corner) is a 22-acre property spanning three parcels with multiple buildings. Three of the main buildings were constructed in the 1940s.	Ineligible.	Unknown.
2	P-36-026450/ 439	Private (unidentified); DOD (Edwards AFB)	1952 - 1956	Other	Unnamed Pipeline Landing Strip Road is an unpaved, unnamed road, between 26- and 66-feet wide, approximately 3.55-miles long. It has been widened to double as an airstrip (depicted as such on the 1973 USGS map). The eastern mile and a quarter segment is composed of the airstrip, 70 to 90-feet wide, and has berms lined with tires. The western quarter-mile segment narrows to a 30-foot bladed dirt roadway.	Ineligible.	Unknown.
2, 3N	440	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1958	Transmission/ Utility Line	SCE Kramer-Coolwater 115kV Transmission Line is a 115kV electrical transmission line, poles, conductors that span approximately 44.3-miles connecting SCE Kramer Substation and SCE Coolwater Substation. This resource includes approximately 125-foot Tubular Steel poles.	Ineligible.	Unknown.
2, 3N, 3S	462	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1972	Transmission/ Utility Line	SCE Coolwater-Kramer # 2 Transmission Line is an electrical transmission line and steel angle towers that span approximately 44.19-miles from the Coolwater Substation in Daggett to the Kramer Substation in Kramer Junction paralleling SCE Coolwater-Kramer #1 Transmission Line.	Ineligible.	Unknown.

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2, 3N, 3S	463	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1972	Transmission/ Utility Line	SCE Coolwater-Kramer # 1 Transmission Line is an electrical transmission line and steel angle towers that span approximately 44.19-miles from the Coolwater Substation in Daggett to the Kramer Substation in Kramer Junction paralleling SCE Coolwater-Kramer #2 Transmission Line.	Ineligible.	Unknown.
2, 3S	445	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	pre-1932	Freeway/U.S Highway/State Route	State Route 58 is a major 2- to 4-lane highway, between 25 and 30-feet wide, approximately 241-miles long.	Ineligible.	Unknown.
2, 3S	461	CSLC; Private (Robert A Callier and Esther L Trust); DOD (Edwards AFB); California DOT	1972-1977	Water Conveyance and Control	Five water retention basins located on a 16.8-acre parcel with agricultural ponds, the Callier Residential Complex and buildings operating businesses. There is one southern basin, two northern basins paralleling each other, a western basin, and an eastern basin.	Ineligible.	Unknown.
3N	708	CSLC; CSLC; Private (SCE); Private (unidentified); DOD (Edwards AFB); California DOT; BLM, Barstow	1958	Two Lane Paved Road	Access Road to SCE Kramer-Coolwater Transmission Line is an unpaved road, 15-feet wide, approximately 44-miles long connecting SCE Kramer Substation and SCE Coolwater Substation.	Ineligible.	Unknown.
3N	712	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	pre-1972	Access Road	The unnamed road is an unpaved one-lane road, 10-feet wide, approximately 3.66-miles long that terminates at the Atchison, Topeka, and Santa Fe Railroad.	Ineligible.	Unknown.
3N	713	Private (unidentified); California DOT; BLM, Barstow	1956-1973	Local Road	Unnamed Pipeline Road is an unpaved one-lane road, 14.35-feet wide, approximately 6.22-miles long.	Ineligible.	Unknown.
3N	714	Private (unidentified); California DOT; BLM, Barstow	1947-1956	Local Road	The unnamed road is an unpaved one-lane road, 9.35-feet wide, approximately 4.72-miles long.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3N	716	BLM, Barstow	pre-1932-1972	Local Road	The unnamed road is an unpaved one-lane road, 10.23-feet wide, approximately 8.53-miles long.	Ineligible.	Unknown.
3N	718	BLM, Barstow	1969-1972	Access Road	The unnamed road is an unpaved one-lane road, 10.05-feet wide, approximately 2.38-miles long, that terminates at the Atchison, Topeka, and Santa Fe Railroad.	Ineligible.	Unknown.
3N	721	Private (unidentified); BLM, Barstow	pre-1972	Access Road	The unnamed road is an unpaved one-lane road, 8.7-feet wide, approximately 0.15-miles long.	Ineligible.	Unknown.
3N	722	Private (unidentified); BLM, Barstow	pre-1915-1969	Local Road	Kramer Road is an unpaved one-lane road, 8.62-feeet wide, approximately 7.26-miles long.	Ineligible.	Unknown.
3N	723	Private (unidentified)	pre-1932	Access Road	The unnamed road is an unpaved one-lane road, 11.31-feet wide, approximately 1.61-miles long.	Ineligible.	Unknown.
3N	724	Private (unidentified)	pre-1972	Access Road	The unnamed road is an unpaved, one-lane road, 13.78-feet wide, approximately 1.91-miles long, that terminates at the Atchison, Topeka, and Santa Fe Railroad line. The road is not accessible by any other roads.	Ineligible.	Unknown.
3N	727	Private (unidentified); BLM, Barstow	pre-1952	Access Road	The unnamed road is an unpaved one-lane road, 12.39-feet wide, approximately 1.32-miles long.	Ineligible.	Unknown.
3N	728	Private (unidentified); BLM, Barstow	pre-1972	Access Road	The unnamed road is an unpaved one-lane road, 12.28-feet wide, approximately 245-feet long. The road is not accessible by any other roads.	Ineligible.	Unknown.
3N	730	Private (Richardson Consolidated Inc.); BLM, Barstow	pre-1932, 1967	Residential Building	40892 Harper Lake Road is a residential complex comprised of approximately 7 wooden structures sited on 0.5-miles by 0.18-mile land segment. The structures on the ranch are comprised in Minimal Traditional and Vernacular-frame style. It appears that all structures are constructed of wood.	Ineligible.	Unknown.
3N	732	Private (unidentified)	pre-1932	Local Road	Roy Road is an unpaved road, 15-feet wide, approximately 4-miles long.	Ineligible.	Unknown.
3N	733	Private (unidentified)	pre-1932	Access Road	The unnamed road is an unpaved one-lane road, 15-feet wide, approximately 2.19-miles long.	Ineligible.	Unknown.
3N	734	Private (unidentified); BLM, Barstow	pre-1932	Access Road	The unnamed road is an unpaved one-lane road, 13.40-feet wide, approximately 1.0-mile long, that terminates at an unidentified structure.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3N	735	Private (unidentified); BLM, Barstow	pre-1932	Access Road	The unnamed road is an unpaved one-lane road, 8.38-feet wide, approximately 1.29-miles long.	Ineligible.	Unknown.
3N	736	Private (unidentified)	pre-1932	Access Road	The unnamed road is an unpaved one-lane road, 10.86-feet wide, approximately 2.14-miles long. Today, the only remnants of the well and unidentified building are concrete slabs.	Ineligible.	Unknown.
3N	737	Private (unidentified)	pre-1952	Access Road	The unnamed road is an unpaved one-lane road, 12.21-feet wide, approximately 0.84-miles long.	Ineligible.	Unknown.
3N	738	Private (unidentified); BLM, Barstow	pre-1978	Access Road	The unnamed road is an unpaved one-lane road, 9.73-feet wide, approximately 0.47-miles long, that terminates in a loop to the north at an unidentified structure.	Ineligible.	Unknown.
3N	739	Private (unidentified); BLM, Barstow	pre-1932	Local Road	County Road 20776 is an unpaved one-lane road, 13.87-feet wide, approximately 7.81-miles long.	Ineligible.	Unknown.
3N	745	Private (unidentified); BLM, Barstow	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 13.27-feet wide, approximately 1.52-miles long. Road leads past Black's Ranch.	Ineligible.	Unknown.
3N	746	Private (unidentified); BLM, Barstow	pre-1932	Local Road	Blacks Ranch Road (Brook Canyon Road) is an unpaved one-lane road, 15.52-feet wide, approximately 3.22-miles long.	Ineligible.	Unknown.
3N	747	Private (unidentified); BLM, Barstow	pre-1952	Access Road	The unnamed road is an unpaved one-lane road, 10.82-feet wide, approximately 0.15-miles long.	Ineligible.	Unknown.
3N	750	Private (unidentified); BLM, Barstow; DOD	pre-1952	Local Road	Holstead Road is an unpaved two-lane road, 25.86-feet wide, approximately 2.14-miles long, that terminates at 20220 Holstead Road.	Ineligible.	Unknown.
3N	753	Private (unidentified); BLM, Barstow	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 12.94-feet wide, approximately 1.52-miles long.	Ineligible.	Unknown.
3N	757	Private (unidentified); BLM, Barstow	1948-1952	Local Road	Mountain General Road (Transmission Line Access Road) is an unpaved road, 13.62-feet wide, approximately 10.34-miles long. Runs in backwards "C" curve through the foothills of Mt. General. Terminates at a site comprised of three large paved features, trash scatter, and an extensive scatter of bomb fragments.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3N	758	Private (unidentified); BLM, Barstow	pre-1956	Local Road	Burnt Tree Road (Holstead Road) is an unpaved one-lane road, 12.28-feet wide, approximately 3.60-miles long.	Ineligible.	Unknown.
3N	759	BLM, Barstow; DOD	pre-1952	Local Road	The unnamed road is an unpaved one-lane road, 12.85-feet wide, approximately 2.37-miles long that connects two points along the backwards C-shaped Mountain General Road.	Ineligible.	Unknown.
3N	765	BLM, Barstow	pre-1952	Access Road	The unnamed road is an unpaved one-lane road, 16-feet wide, approximately 1.74-miles long.	Ineligible.	Unknown.
3N	770	BLM, Barstow	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 15.69-feet wide, approximately 0.85-miles long.	Ineligible.	Unknown.
3N	771	BLM, Barstow	pre-1954	Access Road	The unnamed road is an unpaved one-lane road, 11.20-feet wide, approximately 1.57-miles long.	Ineligible.	Unknown.
3N	773	CSLC; Private (unidentified); BLM, Barstow	pre-1954	Local Road	Meadow Grove Road (Fossil Bed Road) is an unpaved one-lane road, 15-feet wide, approximately 6.32-miles long.	Ineligible.	Unknown.
3N	775	CSLC	pre-1933	Two Lane Paved Road	Fort Irwin Road; Old Yermo Road; Camp Irwin Road. This resource is built before 1933 as a paved two-lane Defense Access Road (DAR), 25 to 40 feet wide with 8-foot shoulder on each side, approximately 30 miles long.	Eligible under Criterion 1.	Approximately 212 feet of road intersect the API at a Guard Site, an Overhead Reconductor Site, and Access Roads. The proposed project will not adversely impact the resource.
3N	776	Private (SCE); Private (Bill Edward Clark); Yermo CSD	1954-1970	Access Road	The unnamed road is an unpaved one-lane road, 16.54-feet wide, spans approximately 0.11-miles that initiates from Meadow Grove Road at the west and terminates at Elephant Mountain Road at the east. Likely constructed same time as single family dwelling on 36033 Meadow Grove Road (ca. 1966).	Ineligible.	Unknown.
3N	777	Private (SCE); Private (Bill Edward Clark); Yermo CSD	1954-1970	Access Road	The unnamed road is an unpaved one-lane road, 16.02-feet wide, approximately 0.12-miles long.	Ineligible.	Unknown.
3N	782	SCE; Private (unidentified); Yermo CSD	pre-1970	Local Road	Yermo Access Road is an unpaved one-lane road, 16.15-feet wide, approximately 2.15-miles long.	Ineligible.	Unknown.
3N	783	SCE; Private (unidentified); Yermo CSD	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 8.49-feet wide, approximately 1.47-miles long.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3N	787	Private (SCE); Private (unidentified); DOD MCLB	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 12.45-feet wide, approximately 0.81-miles long, that travels in a C-shape and terminates at an unknown structure at what appears to be a water tower.	Ineligible.	Unknown.
3N	793	Private (SCE); Private (unidentified); Daggett CSD; BLM, Barstow	pre-1952	Access Road	The unnamed road is an unpaved one-lane road, 14.52-feet wide, approximately 0.25-miles long, that provides access to an 87-acre agricultural field owned by SCE.	Ineligible.	Unknown.
3N	797	Private (unidentified); BLM, Barstow	1954-1974	Access Road	The unnamed road is an unpaved one-lane road, 15.43-feet wide, approximately 0.42-miles long, that terminates at Yermo Union Pacific Train Yard and provides access to the Yermo Union Pacific Train Yard.	Ineligible.	Unknown.
3N	P-36-001910/ CA-SBR-1910H/ 790	Private (SCE); Private (unidentified); Daggett CSD; BLM Barstow FO	1903-1905	Railroad	San Pedro-Los Angeles and Salt Lake Railroad; Union Pacific Railroad. Approximately 700-mile-long railroad grade segment built between 1903-1905. The segment is62.5-inches wide with a 10-foot-wide raised gravel berm.	Eligible under Criterion 1.	Approximately 200 feet of this segment intersect the API at a Pull Site, four Overhead Reconductor Sites (along portion of grade entering yard), and Access Roads. The proposed project will not adversely impact the resource.
3N	P-36-004525/ CA-SBR-4525H/ 766	Private (unidentified); BLM Barstow FO	pre-1905	Historic Route	Barstow-Silver Lake Wagon Road; Irwin Road; Goldstone Road. Former wagon road, now a paved two-lane road is 25 feet wide and approximately 10.23 miles long. This is the original trajectory of the Barstow-Silver Lake Road (wagon road) established prior to 1905. Portions of the wagon road have been paved over, but other portions including apparent ruts are visible on desert pavement and meandering off of the paved road.	Eligible under Criterion 1	Approximately 228 feet of the Barstow-Silver Lake Wagon Road intersect the API at a Guard Site and Access Roads. The proposed project will not adversely impact the resource.
3N	P-36-007883/ CA-SBR-7883H/ 794	Private (SCE); Private (unidentified); Daggett CSD; BLM Barstow FO	1894-1902	Water Conveyance and Control	Daggett Ditch; Daggett Canal. Water conveyance system with lateral ditch, approximately 4.42-miles long, built between 1894-1902. Components include ditch alignment, two earthen berms, water tank, remnant wood structure, vertical-rising sluice gates, the head gate connecting it to the main ditch/canal, and remnant Tamarisk trees (dying or cut down) planted on the west berm.	Listed in CRHR. Eligible under Criteria 1 and 3.	Approximately 667 feet of the Daggett Ditch intersect the API at two Overhead Reconductor Sites and Access Roads. The proposed project will not adversely impact the resource.
3N	P-36-021629/ 781	Private (SCE); Private (Unclassified); Yermo CSD	ca. 1910, 1960-1965	Two Lane Paved Road	Yermo Road (Old 91) is a paved two-lane road, 21.78-feet wide, approximately 20-miles long. Components recorded in 2008 include "C" markers and four irregularly-spaced vehicular bridges with wood and metal guardrails and date stamps from 1952, 1956, and 1959. A culvert (ca. 1930-1950s) for seasonal wash channel was recorded as a feature in 2012, described as double-W beam guardrails anchored by	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					wooden posts and attached to concrete parapets. Wood retaining walls flank the opening of the wash underpass on either side while the bridge connecting the road is a wood deck covered in asphalt. There is an associated refuse scatter.		
3N	P-36-024930/P-36-010895/CA-SBR-15938H/ CA-SBR-10895H/756	Private (unidentified); BLM, Barstow	pre-1932	Local Road	Fossil Bed Road (Daggett-Paradise Springs Road, Daggett-Barstow-Ballarat Road, Yermo Cutoff) is a complex of three roads: 1) a one-lane dirt road, 17-feet wide, approximately 4.3-miles long; 2) a one-lane dirt road, 18-feet wide, approximately 10-miles long. This is the main route in Hinkley constructed between 1953-1955; 3) a one-lane dirt road, 18-feet wide, approximately 14-miles long.	Ineligible.	Unknown.
3N	P-36-024931/ CA-SBR-15959H/755	Private (unidentified); BLM, Barstow	pre-1952	Access Road	The unnamed road is an unpaved one-lane road, 11-feet wide, approximately 1.12-miles long, that terminates at a wash.	Ineligible.	Unknown.
3N	P-36-026445/ 731	Private (unidentified)	pre-1932	Two Lane Paved Road	Harper Lake Road is a paved two-lane road, 40-feet wide, approximately 7.79-miles long. Terminates at the Mojave Solar Farm Facility.	Ineligible.	Unknown.
3N	P-36-026461/ 788	Private (SCE); Private (unidentified); DOD MCLB	pre-1950	Access Road	Daggett-Yermo Road (Ghost Town Road, Calico Road) is a paved two-lane road, 25.62-feet wide, approximately 2.77-miles long, that provides access to the Marine Corps Supply Center (Yermo Area).	Ineligible.	Unknown.
3N, 3S	P-36-026538/ 511	Private (unidentified)	pre-1932	Two Lane Paved Road	Hinkley Road (Rainbow Ranch Road) is a paved two-lane road, 21.41-feet wide with 1-foot shoulders, approximately 17.6-miles that terminates at National Trails Highway.	Ineligible.	Unknown.
3S	456	CSLC; Private (SCE); Private (unidentified); DOD (Edwards AFB); DOD MCLB; California DOT; BLM, Barstow	pre-1970	Local Road	Access Road to SCE Kramer-Tortilla 115kV Transmission Line (Bonanza Road) is an unpaved one-lane dirt road, between 13- and 17-feet wide, approximately 3-miles long. The access road is part of a grouping of three access roads that accesses transmission lines.	Ineligible.	Unknown.
3S	460	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1967	Transmission/ Utility Line	SCE Kramer-Tortilla 115kV Transmission Line is a 115kV electrical transmission line and towers (wood and light weight steel poles with ceramic insulators), approximately 31.91-miles long, connecting SCE Kramer Substation and SCE Tortilla Substation.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3S	466	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	1952-1972	Two Lane Paved Road	Unnamed Transmission Line Access Road is an unpaved road, 27-feet wide, approximately 10.22-miles long, that runs along the SCE transmission corridor.	Ineligible.	Unknown.
3S	468	CSLC; Private (unidentified); DOD (Edwards AFB); California DOT	pre-1932	Local Road	The unnamed road is an unpaved road, 7-feet wide, approximately 5.83-miles long. This road leads to the mining town of Kramer Hills.	Ineligible.	Unknown.
3S	471	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	Rosario Avenue is an unpaved road, 8-feet wide approximately 2.56-miles long. Rosario Avenue is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	472	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	Cuando Avenue is an unpaved road, 14-feet wide, spans approximately 1-mile long. Cuando Avenue is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	473	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	Juanro Avenue is an unpaved road, 14-feet wide, spans approximately 1-mile long. Juanro Avenue is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	474	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	Pecos Avenue is an unpaved road, 14-feet wide, spans approximately 0.81-miles long. Pecos Avenue is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	475	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	Del Largo Street is an unpaved road, 14-feet wide, spans approximately 0.6-miles long. Del Largo Street is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3S	476	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	El Cajon Avenue is an unpaved road, 14-feet wide, approximately 1.05-miles long, that terminates in the SCE transmission line corridor. El Cajon Avenue is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	477	Private (unidentified); DOD (Edwards AFB); BLM, Barstow	1966-1972	Local Road	La Bonita Road is an unpaved road, 14-feet wide, spans approximately 1.05-miles long. La Bonita Street is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	479	BLM, Barstow	1966-1972	Local Road	The unnamed road is an unpaved road, 10-feet wide, approximately 1.8-miles long. This unnamed road is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	480	BLM, Barstow	1966-1972	Local Road	San Miguel Street is an unpaved road, 10-feet wide, approximately 1.1-miles long. San Miguel Street is part of a subdivision (never came to fruition) platted southeast of Kramer Junction.	Ineligible.	Unknown.
3S	481	BLM, Barstow	1952-1972	Local Road	The unnamed road is an unpaved road, 8-feet wide, approximately 7.76-miles long, that terminates inside the transmission line corridor.	Ineligible.	Unknown.
3S	482	BLM, Barstow	1952-1972	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 0.84-miles long, that terminates inside the transmission line corridor.	Ineligible.	Unknown.
3S	483	BLM, Barstow	1972-1995	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 0.4-miles long, that terminates inside the transmission line corridor.	Ineligible.	Unknown.
3S	486	BLM, Barstow	pre-1932	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 1.2-miles long, that terminates in the transmission line corridor.	Ineligible.	Unknown.
3S	491	Private (unidentified); BLM, Barstow	ca. 1940-1952	Local Road	The unnamed road is an unpaved road between 14- and 25-feet wide, approximately 7.77-miles long, that provides access to the Hawes Auxiliary Airport.	Ineligible.	Unknown.
3S	492	Private (unidentified); BLM, Barstow	pre-1952	Local Road	The unnamed road is an unpaved road, 10-feet wide, approximately 26.26-miles long, up to the Los Angeles County line (it is only delineated up to County Line Road).	Ineligible.	Unknown.
3S	493	BLM, Barstow	pre-1932	Local Road	The unnamed road is an unpaved road, 17-feet wide, approximately 7.24-miles long that terminates at the Atchison, Topeka and Santa Fe Railroad line to the north and terminates at Helendale Radar Cross Section Facility to the south.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3S	494	BLM, Barstow	pre-1932	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 1.87-miles long that terminates at the Iron Mountains.	Ineligible.	Unknown.
3S	499	Private (unidentified); DOD; BLM, Barstow	1970-1994	Access Road	The unnamed road is an unpaved road, 11-feet wide, approximately 0.53-miles long that follows along the SCE transmission line corridor.	Ineligible.	Unknown.
3S	501	Private (Owner of Parcel 048-805-101); DOD; BLM, Barstow	1952-1970	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 0.26-miles long that terminates in SCE transmission line corridor.	Ineligible.	Unknown.
3S	502	Private (unidentified); DOD; BLM, Barstow	1952-1970	Access Road	The unnamed road is an unpaved road, 8-feet wide, approximately 0.37-miles long that terminates in SCE transmission line corridor.	Ineligible.	Unknown.
3S	503	Private (unidentified); DOD; BLM, Barstow	pre-1932	Local Road	Hillview Truck Trail is an unpaved road, 15-feet wide, approximately 6.63-miles long that terminates in SCE transmission line corridor.	Ineligible.	Unknown.
3S	504	Private (unidentified); DOD; BLM, Barstow	pre-1952	Local Road	Hillview Road is an unpaved road, 9-feet wide, approximately 2.04-miles long that terminates at Iron Mountain Road.	Ineligible.	Unknown.
3S	505	Private (unidentified); DOD	pre-1913	Local Road	Old Hinkley Road is an unpaved road, 12-feet wide, approximately 4.28-miles long.	Ineligible.	Unknown.
3S	510	Private (unidentified)	pre-1932	Local Road	Riverview Road is an unpaved road, 26-feet wide, approximately 3.97-miles long.	Ineligible.	Unknown.
3S	515	Private (unidentified)	1952-1971	Local Road	Tamarack Road is an unpaved road, 23-feet wide, approximately 1-mile long.	Ineligible.	Unknown.
3S	518	Private (unidentified)	pre-1932	Local Road	Mountain View Road is a partially-paved road, 25-feet wide, approximately 7.51-miles long that terminates at an unknown structure.	Ineligible.	Unknown.
3S	520	Private (unidentified)	pre-1952	Local Road	Hervey Road is an unpaved road, 25-feet wide, approximately 1-mile long.	Ineligible.	Unknown.

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3S	521	Private (unidentified)	1952-1970	Access Road	The unnamed road is an unpaved road, 12-feet wide, approximately 0.24-miles that terminates in the SCE transmission corridor.	Ineligible.	Unknown.
3S	523	Private (unidentified)	pre-1932	Local Road	Summerset Road is a partially paved road, 18-feet wide, approximately 3.52-miles long. Between Community Blvd and Riverview Road, Summerset Road is unpaved.	Ineligible.	Unknown.
3S	524	Private (unidentified); BLM, Barstow	1930; 1995-2003	Water Conveyance and Control	Mojave Water Agency Complex is a complex of evaporation ponds situated on 27.41-acre parcel northwest of Lenwood south of Dixie Road and Riverview Road. Components include well infrastructure and piping, a concrete slab foundation (presumably to original single family dwelling), 2 large concrete water storage basins (ca. 1995-2003), a modern single-wide prefab building (presumably an office for well operations). Ponds are currently dry.	Ineligible.	Unknown.
3S	525	Private (unidentified); BLM, Barstow	1970-1994	Local Road	The unnamed road (transmission line access road) is an unpaved road, 23-feet wide, approximately 2.5-miles long. Route follows along transmission line corridor.	Ineligible.	Unknown.
3S	535	Private (unidentified); BLM, Barstow	pre-1970	Local Road	Carmel Court is an unpaved one-lane gravel road, 21-feet wide, approximately 0.22-miles long that provides access to the dwellings that surround the road.	Ineligible.	Unknown.
3S	552	Private (unidentified); BLM, Barstow	1970-1994	Access Road	The unnamed road is an unpaved one-lane dirt road, 14.54-feet wide, approximately 0.91-miles long that provides access to the Mojave River.	Ineligible.	Unknown.
3S	554	Private (unidentified); BLM, Barstow	pre-1954	Two Lane Paved Road	Western Drive is a partially-paved two-lane road, 36.34-feet wide, approximately 0.13-miles long. Western Drive is not accessible by any other road. The segment of Western Drive under current review is located on the northern side of Agate Road.	Ineligible.	Unknown.
3S	555	Private (unidentified)	pre-1954	Access Road	The unnamed road is an unpaved one-lane dirt road, 22-feet wide, approximately 0.13-miles long.	Ineligible.	Unknown.
3S	559	Private (BNSF Railway Company)	pre-1954	Local Road	Evans Road is a partially-paved road, 28-feet wide, approximately 1.43-miles long that travels in a C-shape and terminates in the BNSF Railway Barstow Yard.	Ineligible.	Unknown.
3S	560	Private (Arturo Rangel)	1946; 2006-2009	Residential Building	26130 Agate Road is a residential complex on 1.86-acres. Main building, Minimal Traditional style with a detached double carport garage. The other 2 structures are modern.	Ineligible.	Unknown.
3S	567	Private (unidentified)	pre-1956	Local Road	Osborne Road is an unpaved two-lane road, 50-feet wide, approximately 0.37-miles long. Osborne Road was constructed prior to	Ineligible.	Unknown.

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					1956 to serve as the northeastern boundary of a subdivision that never came to fruition.		
3S	568	Private (unidentified); BLM, Barstow	pre-1954	Access Road	The unnamed road is an unpaved one-lane road, 19-feet wide, approximately 0.58-miles long. The road was altered slightly when Interstate 15 was constructed at the southernmost segment of the road.	Ineligible.	Unknown.
3S	569	Private (unidentified); BLM, Barstow	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 16.27-feet wide, approximately 0.73-miles long that provides access to the SCE Kramer-Tortilla Transmission Line. Today, it serves as an access road to OHV and off-roading trails.	Ineligible.	Unknown.
3S	570	Private (unidentified); BLM, Barstow	1970-1994	Access Road	The unnamed road is an unpaved one-lane road, 16-feet wide, approximately 0.2-miles long. Today, it serves as an access road to OHV and off-roading trails.	Ineligible.	Unknown.
3S	581	Private (Rose Ann Torres); BLM, Barstow	pre-1970	Other	Concrete foundation, approximately 19.23-feet by 26.05-feet in size directly south of the SCE Kramer-Tortilla 115kV Transmission Line. No structures appear to have been constructed on top of the foundation.	Ineligible.	Unknown.
3S	585	Private (unidentified); BLM, Barstow	1970-1994	Access Road	The unnamed road is an unpaved road, 9-feet wide, approximately 0.24-miles long. The road has low integrity.	Ineligible.	Unknown.
3S	586	Private (unidentified); BLM, Barstow	1974-1989	Access Road	The unnamed road is an unpaved one-lane road, 11.30-feet wide, approximately 0.1-miles long. The road first appears on the 1989 USGS Aerial Survey.	Ineligible.	Unknown.
3S	588	Private (unidentified); BLM, Barstow	1974-1989	Access Road	The unnamed road is an unpaved one-lane road, 11-feet wide, approximately 0.17-miles long. The road first appears on the 1989 USGS Aerial Survey.	Ineligible.	Unknown.
3S	590	Private (unidentified)	1952-1954	Local Road	P Street consists of two segments of a partially-paved road, 30-feet wide, approximately 1.11-miles long within the Barstow Heights neighborhood (Crestview Subdivision). The unpaved segment spans approximately 0.24-miles. The two-lane paved segment spans approximately 0.87-miles.	Ineligible.	Unknown.
3S	591	Private (unidentified)	1952-1954	Local Road	Bonanza Road is a paved two-lane road, 30-feet wide, approximately 1-mile long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	597	Private (unidentified)	1952-1953	Local Road	O Street is a paved two-lane road, 30-feet wide, approximately 1.31-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.

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3S	604	Private (unidentified)	1952-1954	Local Road	N Street is a paved two-lane road, 30-feet wide, approximately 1.38-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	610	Private (unidentified)	1952-1954	Local Road	M Street is a paved two-lane road, 30-feet wide, approximately 1.43-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	614	Private (unidentified)	1952-1954	Local Road	L Street is a paved two-lane road, 30-feet wide, approximately 1.98-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	620	Private (unidentified)	1952-1954	Local Road	K Street is a paved two-lane road, 30-feet wide, approximately 1.48-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	625	Private (unidentified)	1952-1954	Local Road	J Street is a paved two-lane road, 30-feet wide, approximately 1.5-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	626	Private (Glenn G Garen)	1963	Residential Building	27912 Bonanza Road is a single-family residential dwelling (two structures), low stone wall and fence situated on approximately 0.214-acres located within the Barstow Heights Community. The first structure is a garage located at the back of the Parcel with a front gable roof and board siding in the gable. The second structure is a Minimal Traditional single-family dwelling at the front of the property with a wide-hipped gable roof.	Ineligible.	Unknown.
3S	627	Private (James W Franks)	1964	Residential Building	27915 Bonanza Road is a single-family residential dwelling and chain link fence situated on approximately 0.294-acres located within the Barstow Heights Community. Dwelling is Minimal Traditional style with attached garage with front gable.	Ineligible.	Unknown.
3S	628	Private (Heather Lea Louise Adams)	1964	Residential Building	27932 Bonanza Road is a single-family residential dwelling, chain link fence, and masonry wall situated on approximately 0.227-acres located within the Barstow Heights Community. Dwelling is Minimal Traditional style with attached garage features a wide-hipped gable roof.	Ineligible.	Unknown.
3S	632	Private (unidentified)	1952-1954	Two Lane Paved Road	I Street is a paved two-lane road, 30-feet wide, approximately 1.5-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.

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3S	637	Private (unidentified); BLM, Barstow	1952-1954	Two Lane Paved Road	H Street is a paved two-lane road, 28-feet wide, approximately 1.57-miles long within the Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	649	Private (Pacific Summit-Rimrock Ranch LLC); BLM, Barstow	1967	Substation	SCE Tortilla Substation Complex is a substation Complex for SCE power company that spans 0.31-miles, containing a concrete foundation, approximately 349.45-feet by 461.90-feet and features switching racks, 2 rectangular buildings, and barbed-wire fence enclosure. Located east of Barstow Heights neighborhood (Crestview Subdivision).	Ineligible.	Unknown.
3S	652	Private (unidentified); BLM, Barstow	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 21.43-feet wide, approximately 1.81-miles long that appears to access the SCE Tortilla Substation Complex.	Ineligible.	Unknown.
3S	662	BLM, Barstow	pre-1971	Access Road	The unnamed road is an unpaved one-lane road, 13-feet wide, approximately 0.72-miles long.	Ineligible.	Unknown.
3S	663	Private (unidentified); BLM, Barstow	pre-1974	Access Road	The unnamed road is an unpaved one-lane road, 12-feet wide, approximately 1.34-miles long, one of several unnamed dirt roads that lead into the Nebo desert to presumably access OHV trails and public lands.	Ineligible.	Unknown.
3S	664	Private (unidentified); DOD MCLB; BLM, Barstow	pre-1974	Access Road	The unnamed road is an unpaved one-lane road, 12-feet wide, approximately 0.81-miles long, one of several unnamed dirt roads that lead into the Nebo desert to presumably access OHV trails and public lands.	Ineligible.	Unknown.
3S	665	Private (unidentified); DOD MCLB; BLM, Barstow	1974-1989	Access Road	The unnamed road is an unpaved one-lane road, 26-feet wide, approximately 0.23-miles long. Presumably, the road was constructed to access a portion of the USMC Nebo Supply Center and Firing Range, used for Military and National Defense purposes.	Ineligible.	Unknown.
3S	667	DOD MCLB	1974-1995	Access Road	The unnamed road is an unpaved one-lane road, 10-feet wide, approximately 0.72-mileslong that terminates in Nebo desert lands, owned by United States Marine Corps and used as a supply center and shooting range. Provides access to the USMC shooting range.	Ineligible.	Unknown.
3S	670	DOD MCLB	1952-1956	Local Road	Pipeline Road is an unpaved one-lane road, 23-feet wide, approximately 8-miles long.	Ineligible.	Unknown.
3S	671	DOD MCLB	pre-1974	Access Road	The unnamed road is an unpaved one-lane road, 15.58-feet wide, approximately 0.1-miles long that terminates at the Marine Corps Supply Center Firing Range.	Ineligible.	Unknown.

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3S	672	DOD MCLB	1952-1971	Access Road	The unnamed road is an unpaved one-lane road, 18.84-feet wide, approximately 1-mile line. This is an L-shaped route that terminates at the USMC Daggett-Yermo Supply Center Pistol Range. This road is only used to access the facilities within the pistol range.	Ineligible.	Unknown.
3S	673	Private (unidentified); DOD MCLB	1956-1971	Two Lane Paved Road	Pendleton Road is a paved two-lane road, 25-feet wide, approximately 3.82-miles long. The road serves as a boundary for the Marine Corps Firing Range and access route to the Firing Range and Interstate 40.	Ineligible.	Unknown.
3S	674	Private (unidentified); California DOT; BLM, Needles; BLM, Barstow	pre-1931	Two Lane Paved Road	Access Road to SCE Boulder Dam-San Bernardino Transmission Line (SCE Access Road) is a series of unpaved segments, averaging 15-feet wide, approximately 225-miles long from San Bernardino County to Nevada. The roads initiate at Calectric Substation and terminate at Hoover Dam. Each of the SCE access roads connect or facilitate access to transmission line towers.	Ineligible.	Unknown.
3S	683	Private (unidentified)	pre-1969	Local Road	The unnamed road is a wide-bladed one-lane road, averaging 170-feet wide, approximately 12-miles long. In some segments, the road is up to 231-feet wide.	Ineligible.	Unknown.
3S	688	Private (unidentified); BLM, Barstow	pre-1965	Local Road	The unnamed road is an unpaved one-lane road, 14-feet wide, approximately 10.9-miles long.	Ineligible.	Unknown.
3S	691	Private (SCE); Private (unidentified); BLM, Barstow	pre-1971	Access Road	This is an unnamed road. DPR not provided.	Ineligible.	Unknown.
3S	692	Private (SCE); Private (Juan Perez); BLM, Barstow	1958	Residential Building	36886 National Trails Hwy is a residential complex containing 3 dwellings (comprised of 7 buildings). Sited between National Trails Highway (Route 66) and the Atchison, Topeka, and Santa Fe Railroad. The three Minimal Traditional style dwellings parallel the street with a large setback on the Parcel. Each house has a side gable roofline, a central ridge chimney, and wood board siding.	Ineligible.	Unknown.
3S	695	Private (SCE); Private (unidentified); BLM, Barstow	pre-1970	Access Road	The unnamed road is an unpaved one-lane road, 9-feet wide, approximately 1-mile long. The road serves as an access road to the SCE Cool Water-Segs 2 Tortilla Transmission Line.	Ineligible.	Unknown.
3S	P-36-002910/ CA-SBR-2910H/ 566	Private (unidentified); BLM Barstow FO	1911-1914	Historic Route	U.S. Route 66; National Old Trails Highway; Old National Trails Highway. Built between 1911 and 1914, this highway is two to four lanes and approximately 2,448 miles long. This resource enters the	Listed in CRHR. Eligible under Criteria 1 and 3.	Approximately 431 feet of U.S. Route 66 intersect the API in at least two locations including two Removal Sites, one

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					project APE in Daggett and leaves south of Barstow. Two segments fall within the project APE. One is a paved 4-lane road with modern signage. The other is 60 feet wide. Components include historic "C" blocks between 0.20 and 0.40 miles apart (located inside the API).		Installation Site, two Guard Sites, an Overhead Reconductor Site, and Access Roads. The proposed project will not adversely impact the resource.
3S	P-36-004411/P-36-009360/CHL No. 577/FS No. 05-12-53-012/ CA-SBR-9360H/ 666	BLM Barstow FO; Private (LADWP); Private (Wilmoth Trust 10-11-07); Private (Intermountain Power Agency); Private (Harvard Property Partnership)	1867	Historic Route	Stoddard Wells Road; Cape Glouster Avenue; The Mormon Trail; Salt Lake Road; Old Spanish Trail. Constructed by Mormon agriculturalist Lafayette Mecham in 1867 to transport 100 tons of hay to Camp Cady. This partially paved two-lane road, approximately 38.82 miles long, enters project API at terminus of eastern fork as a one-lane dirt road. Per the 2012 update, there is no evidence of the historic Mormon Trail (recorded in 1996, 2007) in this segment.	Eligible under Criterion 1.	Approximately 348 feet of Stoddard Wells Road intersect the API at an Overhead Reconductor Site and Access Roads. The proposed project will not adversely impact the resource.
3S	P-36-006693/ CA-SBR-6693H/ 558	CSLC; Private (BNSF Railway Company); DOD (Edwards AFB); California DOT	1883; 1970-1979	Railroad	BNSF Railroad. Railroad grade connects Los Angeles and San Bernardino with the Las Vegas area. This segment has a berm maximum height of approximately 12 feet, a partially intact track, and is comprised of wooden ties, spikes with brackets, rails lying close to their original location, and a red metal bumping post with manufacturer's plaque "Western-Cullen Division/Federal Signal Corporation".	Listed in CRHR. Eligible under Criteria 1.	Approximately 0.28 miles of BNSF Railroad intersect the API at three locations. At Kramer Junction, BSNF Railroad intersects the API in one location at a Removal and Installation Site, a Guard Site, and an Overhead Reconductor Site. In Daggett, BSNF Railroad intersects API in two locations at a Removal Site, a Pull Site, three Guard Sites, and two New Overland Access Roads. The proposed project will not adversely impact the resource.
3S	P-36-006793/ CA-SBR-6793H/ 561	Private (SCE); Private (BNSF Railway Company); BLM Barstow FO	1885; 1923	Railroad	Atchison, Topeka & Santa Fe Railroad. Original railroad grade built in 1885 with second track installed in 1923. Components include a two-track railroad, 62-inch-wide berm, and concrete bridge. Follows the Historic Cajon Pass Railroad Alignment.	Listed in CRHR. Eligible under Criteria 1.	Approximately 160 feet of Atchison, Topeka & Santa Fe Railroad intersect the API at a Guard Site, an Overhead Reconductor Site, and a New Overland Access Road. The proposed project will not adversely impact the resource.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3S	P-36-007689/P-36-012658/CA-SBR-7689H/CA-SBR-12357H/584	Private (SCE); Private (unidentified); BLM Barstow FO; Yermo CSD	1917-1922; 1963	Historic Route	Interstate 15; Old Arrowhead Trail; Mojave Freeway. Built between 1917 and 1922, this paved four to six lane highway is separated by a dividing strip. It is between 60 and 100 feet wide and approximately 1,434 miles long. It roughly follows the alignment of the Arrowhead Trail Highway, as well as a former wagon road, and is very close to the Mojave Trail, possibly associated in segments. Multiple modification to the road over the years including in the 1920s (as Arrowhead Trail), the 1930s (as State Road 91/466) and the 1960s (an almost full relocation to Interstate 15).	Eligible under Criterion 1.	Approximately 160 feet of Interstate 15 intersect the API at three locations: three Guard Sites and an Overhead Reconductor Site. The proposed project will not adversely impact the resource.
3S	P-36-010315/CA-SBR-10315H/682	Private (SCE); Private (unidentified); BLM Needles FO; BLM Barstow FO	1930-1931 1950-1979	Transmission/ Utility Line	SCE Boulder Dam-San Bernardino 138-kV Transmission Line is a 138-kV electrical transmission line comprised of seven modern-day segments. The approximately 225-mile-long transmission line was built in 1930-1931 with additions between 1950-1974. Components include 52-feet tall lattice steel H frame towers, 55-feet tall A-frame dead end tower, 54-feet tall three-legged lattice steel tower (double H-frame), 60-feet tall "T" towers, six 54-feet tall “SW” towers, and 12,000-feet of cable. Segments are the Eldorado-Baker-Coolwater-Dunn Siding-Mountain Pass, Ivanpah-Baker-Cool Water Dunn Siding-Mountain Pass, Cool water-Gale, Gale-PS512, Victor-Black Mountain -Support-Southcap Southdown (portions), Victor-Aqueduct-Phelan, and Arrowhead-Calectric-Devil Canyon-Shandin (portions).	Listed in CRHR. Eligible under Criteria 1 and 3.	Approximately 5.69 miles of the transmission line intersect the API. Components in project API are to be removed. The removal and replacement of the historic transmission towers and conductor will result in a complete loss of integrity such that the historic line would no longer convey its identified significance. It is recommended that the SCE Boulder Dam-San Bernardino Transmission Line be documented according to HAER Level II standards prior to commencement of project construction. This recommendation is consistent with SCE’s Historic-Era Electrical Infrastructure Management Program.
3S	P-36-010318/CA-SBR-10318H/573	Private (unidentified); BLM, Barstow	1916	Other	Interstate Telegraph Company Right-of-Way Grant for Tel&Tel is a single wood pole telecommunication line approximately 42.6-miles long outer Victorville to Barstow. Today, the line continues as an active telephone line and is managed by General Telephone & Electronics Corporation.	Ineligible.	Unknown.
3S	P-36-024000/P-36-024000/684	Private (unidentified); BLM Barstow FO	ca. 1930	Historic Route	Camp Rock Road; Terry Road. This resource, ca. 1930, is comprised of a series of discontinuous, unpaved, and paved segments that extend throughout the Lucerne Valley, Ord, Rodman, Newberry, and Fry Mountains for approximately 50 miles. Camp Rock Road terminates at the API boundary.	Eligible under Criterion 1.	Camp Rock Road terminates at an Installation Site and Overhead Reconductor Site. The proposed project will not adversely impact the resource.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3S	P-36-025238/ CA-SBR-16148H/484	Private (Owner of Parcel 049-213-105); BLM, Barstow	pre-1932	Local Road	The unnamed road is an unpaved road, 27-feet wide, approximately 3.06-miles long, that terminates in Kramer Hills.	Ineligible.	Unknown.
3S	P-36-025239/ CA-SBR-16149H/485	BLM, Barstow	pre-1932	Local Road	Unnamed Road/Kramer Road is an unpaved road, 8-feet wide, approximately 2.88-miles long.	Ineligible.	Unknown.
3S	P-36-026440/ 513	Private (unidentified)	1932-1971	Local Road	Serra Road (Payer Lane, Livingston Road) consists of three partially-paved road segments, between 10- and 18-feet wide, approximately 4.02-miles long. The northernmost segment is approximately 1.48-miles long. The center segment is approximately 0.48-miles long. The third segment is approximately 0.50-miles long.	Ineligible.	Unknown.
3S	P-36-026441/ 522	Private (unidentified)	pre-1932	Local Road	Fairview Road is a partially-paved road, approximately 2.01-miles long. Between Highcrest Road going south to Riverview Road, Fairview road is unpaved.	Ineligible.	Unknown.
3S	P-36-026445/ 490	BLM, Barstow	pre-1932-1952	Local Road	Helendale Road (Harper Lake Road) is an unpaved road, between 30 and 40-feet wide, with berms and new fence lines along the alignment, approximately 31-miles long, that terminates at Abengoa Mojave Solar Project in the north. Terminates at Southern California Logistics Airport on George Air Force Base, a United States Air Force flight training facility in the south. A section of Helendale Road north of State Route 58 is also known as Harper Lake Road.	Ineligible.	Unknown.
3S	P-36-026447/ 488	Private (unidentified); BLM, Barstow	pre-1932	Local Road	The unnamed road is an unpaved road, 9-feet wide, approximately 1.78-miles long. The 2013 DPR notes an unrecorded historic dense debris scatter associated with this resource.	Ineligible.	Unknown.
3S	P-36-026448/ 478	Private (unidentified); US Air Force, Edwards Air Force Base; BLM, Barstow	pre-1937; pre-1973	Local Road	Apache Avenue is an unpaved road, comprised of two segments. The northern segment (ca. pre-1937), 12.5-feet wide, spans approximately 2.34-miles while the southern segment (ca. pre-1973), 13-feet wide, spans approximately 1-mile. The road is potentially an access road for a removed transmission line.	Ineligible.	Unknown.
3S	P-36-026466/ CA-SBR-16904H/676	Private (unidentified); DOD MCLB; BLM, Barstow	c. 1878-1896	Local Road	Ord Mountain Road consists of three unpaved one-lane road segments, 12.78-feet wide, approximately 21.20-miles long.	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
3S	P-36-026467/ 669	DOD MCLB	pre-1975	Transmission/ Utility Line	Remnants of an abandoned utility line containing standing wood poles with and without attached electrical wire and glass insulators located behind a fence on the Marine Corps Logistic Base approximately 2.35-miles southeast of Nebo Center.	Ineligible.	Unknown.
3S	P-36-026508/ 694	Private (SCE); Private (unidentified); BLM, Barstow	pre-1956	Two Lane Paved Road	Santa Fe Street is a paved two-lane road, 22.51-feet wide, approximately 6.19-miles long. The road parallels the Atchison, Topeka, and Santa Fe Railroad.	Ineligible.	Unknown.
3S	P-36-026523/ 557	Private (unidentified)	pre-1954	Local Road	Jasper Road is a paved two-lane, poorly-maintained road, between 14 and 21-feet wide, approximately 2.36-miles long. The heavily degraded road exists north of an abandoned railroad grade (P-36-006793) up to the 300 A pipeline right-of-way. There is an associated historic refuse scatter composed of 50+ cans (beverage/food, tobacco), an aqua glass Coca-Cola bottle base, five aqua glass fragments, and four screw-top brown glass bottles.	Ineligible.	Unknown.
3S	P-36-026527/ 528	Private (unidentified); BLM, Barstow	pre-1958	Local Road	Lenwood Road is a paved road, 24-feet wide, with 9-foot-wide shoulders, approximately 9.35-miles long.	Ineligible.	Unknown.
3S	P-36-026530/ 615	Private (multiple owners)	1952-1954	Other	Barstow Heights Community (Crestview Subdivision) is a subdivision community nestled south of Interstate 15, the Mojave Freeway, and the Mojave Desert that spans approximately 5.85-miles from east to west. The community is comprised of 1,440-acres, 13 east-west and 9 north-south coursing residential streets, with most homestead tracts approximately 5-acres each. The community was established around 1957 with 125 residents.	Ineligible.	Unknown.
3S	P-36-026535/ 556	Private (unidentified)	1933-1954	Local Road	Agate Road is a paved, one-lane, poorly-maintained road, between 28- and 45-feet wide, approximately 2.29-miles long. Road has been widened to approximately 45-feet around Walnut and Maple Streets. The road is slightly crowned with no associated ditches.	Ineligible.	Unknown.
3S	P-36-026539/ 506	Private (unidentified)	pre-1932	Local Road	Valley Wells Road is an unpaved road, 22-feet wide, approximately 3.97-miles long.	Ineligible.	Unknown.
3S	P-36-027410/P-36-028005/CA-SBR-17465/658	BLM Barstow FO	ca. 1911	Historic Route	State Route 247; Barstow Road; Old Woman Springs Road. Built before 1911, this paved two-lane highway is crowned and ditched, 27 feet wide and approximately 78.34 miles long. Components include a wooden remnant sign frame and historic refuse. Highway was used as a main thoroughfare from the 1910s to the 1950s between the Mojave	Eligible under Criterion 1, and eligible as contributor to Mojave Historic	Approximately 165 feet of State Route 247 intersect the API at a Guard Site, an Overhead Reconductor Site, and Access Roads. The proposed project will not adversely impact the resource.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					Desert Communities. Segments of the Highway identified as CSLC Scenic Highway.	Cultural Landscape under Criterion 1.	
3S	P-36-027750/ 704	Private (SCE); Private (unidentified); BLM, Barstow	1958 /1961-1979	Substation	SCE Coolwater Substation Complex (Coolwater Steam Plant and Switchyard) is an electricity-generating and coal gasification processing facility substation complex. The complex was initially developed with a Chlorinator building, a chemical storage building, a generator excitation building, a combination building, a C.T. switch gear motor continuation building, a control building, single-story rectilinear plan office building, and brick perimeter wall. The still-active facility has expanded over several campaigns while keeping the same configuration.	Ineligible.	Unknown.
3S	P-36-027751/ 650	Private (SCE); Private (Pacific Summit-Rimrock Ranch LLC); BLM, Barstow	1958	Transmission/ Utility Line	SCE Coolwater-Segs 2-Tortilla Transmission Line is an electrical transmission line and components that spans approximately 13-miles connecting SCE Coolwater Substation with SCE Tortilla Substation and terminating at the Segs 2 Substation. Resource contains conductors mounted on three singular wood poles, H Frame wooden poles (with steel cross bracing and steel cross arm).	Ineligible.	Unknown.
3S	P-36-027753/ 685	Private (unidentified); BLM Barstow FO	1947	Freeway/U.S Highway/State Route	Interstate 40; Needles Freeway. Built in 1947, this paved freeway has multiple lanes, wide median, shoulders on both sides and is approximately 2,559 miles long. Eligible for the State Scenic Highway System.	Eligible under Criterion 1.	Approximately 255 feet of each of the two divided lanes of Interstate 40 intersect the API at an Overhead Reconductor Site. The proposed project will not adversely impact the resource.
3S	P-36-028052/ CA-SBR-17484H/565	Private (unidentified); BLM, Barstow	pre-1963	Other	PG&E Natural Gas Pipeline is a natural gas underground pipeline containing 1- to 2-foot diameter pipe, two segments of an associated dirt access road, 2-foot high berm. A portion of the pipeline has been exposed by erosion. There is an associated secondary deposited debris scatter (Locus A) containing 17 cans, 10 metal debris fragments, and eight glass fragments, likely deposited between the 1940s and 1960s. The access road lies approximately 15-feet north of the northern edge of the pipeline berm and trends alongside the length of the pipeline.	Ineligible.	Unknown.
3S	P-36-028131/ CA-SBR-17540H/668	DOD MCLB	1950s	Transmission/ Utility Line	Distribution Pole Line is an electrical distribution line system located behind a fence on the Marine Corps Logistics Base. The resource contains 19 wooden poles, glass and 2 ceramic insulators, and associated wire. The distribution line, 20-feet wide, spans a total of 4,341-feet initiating in the west and trending in an L-shape to the south. The east-west oriented segment is 2,411-feet. The north-south oriented segment is 1,930 feet in length. The distribution line is	Ineligible.	Unknown.

Seg-ment	Res. #	Land Ownership	Date Range	Resource Type	Site Description	CRHR Eligibility Recommendation	Impact Description
					inactive, in poor condition, and affected by erosion and weathering. Most of the wire is lying along the ground and six of the poles have only partially intact hardware.		
3S	P-36-029490/ 706	Private (SCE); Private (unidentified); BLM, Barstow	1962	Transmission/ Utility Line	SCE Coolwater-Tiefort Transmission Line is an electrical transmission line, approximately 29.39-miles long from Coolwater Steam Plant to Fort Irwin Military Base. The resource contains 28 single wood poles (between 60 and 90-feet tall), and horizontal post insulators with or without steel wishbone crossarms, associated wire. This connects Coolwater Switchyard and Tiefort Substation.	Ineligible.	Unknown.
3S	P-36-029915/ 707	Private (SCE); Private (unidentified)	pre-1952	Water Conveyance and Control	Wooden water storage structure, approximately 15-feet tall, appears to have been constructed for water storage. This resource is on a raised platform supported by four short wood beams, topped by a rectangular wood tank. Diagonal wood boards prop up one side and a PVC pipe connected to a funnel below the tank extends to the ground to the south. Earth has been built up around the structure. A large spillway extends out the southwest.	Ineligible.	Unknown.

Table Ap.5-6. Built Environment Resources on Proposed Project with Potential for Visual Impacts

Segment #	Only in the Visual APE?	Res. #	Date Range	Resource Type	Poles Visible from Resource?	Characteristic Sensitive to Visible Impact
1	No	23	pre-1880	Local Road	Yes	Setting, Feeling, Association
1	No	37	pre-1913	Two Lane Paved Road	Yes	Setting, Feeling, Association
1	No	42	pre-1913	Two Lane Paved Road	Yes	Setting, Feeling, Association
1	No	P-14-004590/CA-INY-4590H/050	1850-1910	Two Lane Paved Road	Yes	Setting, Feeling, Association
1	No	53	1886	Water Conveyance and Control	Yes	Setting, Feeling, Association
1	No	62	pre-1913	Two Lane Paved Road	Yes	Setting, Feeling, Association
1	No	P-14-004591/CA-INY-4591H/097	pre-1913	Water Conveyance and Control	Yes	Setting, Feeling, Association
1	No	P-14-008745/CA-INY-6862/099	1932	Water Conveyance and Control	Yes	Setting, Feeling, Association
1	No	119	pre-1873	Historic Route	Yes	Setting, Feeling, Association
1	No	123	ca. 1920s-1942	Local Road	Yes	Setting, Feeling, Association
1	No	P-14-005022/CA-INY-4943H/124	1942-1945	Other*	Yes	Setting, Feeling, Association
1	No	151	pre-1907	Two Lane Paved Road	Yes	Setting, Feeling, Association
1	No	207	ca. 1873	Freeway/U.S Highway/State Route	Yes	Setting, Feeling, Association
1	No	P-14-008844/CA-INY-6956/242	1927	Substation	Yes	Setting, Feeling, Association
1	No	262	1919	Water Conveyance and Control	Yes	Setting, Feeling, Association
1	No	P-15-017441/CA-KER-9602H/273	ca. 1850s	Historic Route	Yes	Setting, Feeling, Association
1	No	P-15-011274/CA-KER-6624H/CA-INY-6545H/282	1875	Historic Route	Yes	Setting, Feeling, Association
1	No	315	1915-1943	Freeway/U.S Highway/State Route	Yes	Setting, Feeling, Association
1	Yes	P-14-004861/59.01	1915	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004858/063	1911	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	064/Inyo County HRI (1981)	1900	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004864/065	1897	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004863/066	1897	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004853/067	1927	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004860/67.01	1900	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004854/068	1906	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004855/69.01	1921	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004859/075	1910	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-005194/90.01	ca. 1880s	Railroad	Yes	Setting, Feeling, Association
1	Yes	P-14-006863/103.01	1911-1913	Water Conveyance and Control	Yes	Setting, Feeling, Association

Segment #	Only in the Visual APE?	Res. #	Date Range	Resource Type	Poles Visible from Resource?	Characteristic Sensitive to Visible Impact
1	Yes	P-14-004827/117.01	1923	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004828/117.02	1927	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004831/117.03	1927	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-005892/117.04	1911	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004846/117.05	1886	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004844/117.06	1931	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004843/117.07	1902	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004842/117.08	1920	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004834/117.09	1865	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004835/117.10	1888	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004841/117.11	1900	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004838/117.12	1872	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004836/117.13	1930	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-004847/117.14	1927	Residences and Buildings	Yes	Setting, Feeling, Association
1	Yes	P-14-005022/CA-INY-4943H/124	1942-1945	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-003802/CA-INY-3802H/125	1942	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004872/135	1928	Water Conveyance and Control	Yes	Setting, Feeling, Association
1	Yes	P-14-004886/146	1932	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004890/148.01	1905	Residential Building	Yes	Setting, Feeling, Association
1	Yes	P-14-004884/150.19	1922	Other*	Yes	Setting, Feeling, Association
1	Yes	P-14-004851/198.01	1911	Other*	Yes	Setting, Feeling, Association
2	No	P-15-015028/CA-KER-8372H/335	pre-1943	Historic Route	Yes	Setting, Feeling, Association
2	No	380	pre-1903	Two Lane Paved Road	Yes	Setting, Feeling, Association
2	No	P-15-007069/P-36-008315/P-15-002221CHL No. 938/CA-SBR-8315H/CA-KER-8430H/ C.A-KER-2221H/398	1895	Other*	Yes	Setting, Feeling, Association
2	No	P-15-015221/CA-KER-8430H/399	1912	Substation	Yes	Setting, Feeling, Association
2	No	415	pre-1903	Local Road	Yes	Setting, Feeling, Association
2	No	P-36-005731/CA-SBR-5731H/444	1897	Railroad	Yes	Setting, Feeling, Association
1, 2	No	P-14-004825/P-14-005766/008	ca. 1908 (SCE Control Substation)	Other*	Yes	Setting, Feeling, Association

Segment #	Only in the Visual APE?	Res. #	Date Range	Resource Type	Poles Visible from Resource?	Characteristic Sensitive to Visible Impact
1, 2	No	P-36-010316/CA-SBR-10316H/013	1911-1913	Transmission/Utility Line	Yes	Setting, Feeling, Association
1, 2	No	P-36-007545/CA-SBR-7545H/093	1909-1934	Freeway/U.S Highway/State Route	Yes	Setting, Feeling, Association
3N	No	P-36-004525/CA-SBR-4525H/766	pre-1905	Historic Route	Yes	Setting, Feeling, Association
3N	No	775	pre-1933	Two Lane Paved Road	Yes	Setting, Feeling, Association
3N	No	P-36-001910/CA-SBR-1910H/790	1903-1905	Railroad	Yes	Setting, Feeling, Association
3N	No	P-36-007883/CA-SBR-7883H/794	1894-1902	Water Conveyance and Control	Yes	Setting, Feeling, Association
3S	No	P-36-006693/CA-SBR-6693H/558	1883; 1970-1979	Railroad	Yes	Setting, Feeling, Association
3S	No	P-36-006793/CA-SBR-6793H/561	1885; 1923	Railroad	Yes	Setting, Feeling, Association
3S	No	P-36-002910/CA-SBR-2910H/566	1911-1914	Historic Route	Yes	Setting, Feeling, Association
3S	No	P-36-007689/P-36-012658/CA-SBR-7689H/ CA-SBR-12357H/584	1917-1922; 1963	Historic Route	Yes	Setting, Feeling, Association
3S	No	P-36-027410/P-36-028005/CA-SBR-17465/658	ca. 1911	Historic Route	Yes	Setting, Feeling, Association
3S	No	P-36-004411/P-36-009360/CHL No. 577/FS No. 05-12-53-012/CA-SBR-9360H/666	1867	Historic Route	Yes	Setting, Feeling, Association
3S	No	P-36-010315/CA-SBR-10315H/682	1930-1931 1950-1979	Transmission/Utility Line	Yes	Setting, Feeling, Association
3S	No	P-36-024000/P-36-024000/684	ca. 1930	Historic Route	Yes	Setting, Feeling, Association
3S	No	P-36-027753/685	1947	Freeway/U.S Highway/State Route	Yes	Setting, Feeling, Association
3S	Yes	P-36-023423/CA-SBR-14798H/698	ca. 1930-1931/1951	Other*	Yes	Setting, Feeling, Association

*Other resource types include historic districts, non-residential buildings, airport/airfields, relocation center, hotel/lodge, schools, dairy.

Table Ap.5-7. Archaeological Resources on Proposed Project with Potential for Visual Impacts (All Segments)

This table lists all resources within the Direct and Visual APE/I subject to Visual impacts (eligible under criteria 1, 2, 3 and therefore subject to impacts on setting, feeling, or association).

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-000004/CA-INY-4	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
1	P-14-000010/CA-INY-10 (incl. P-14-000091/CA-INY-91)	Multi-component with protohistoric artifacts	Precontact: Habitation area. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-000028	Precontact	Precontact: Habitation area.	39	Petroglyphs
1	P-14-000030	Precontact	Precontact: Habitation area.	29	Petroglyphs
1	P-14-000092/CA-INY-0092	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-000111/CA-INY-111	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-000182/CA-INY-182H	Multi-component with protohistoric artifacts	Precontact: Habitation Area. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-000205	Precontact	Precontact: Temporary Camp.	3	Petroglyphs
1	P-14-000208	Precontact	Precontact: Habitation area.	20	Petroglyphs
1	P-14-000210	Precontact	Precontact: Rock Art.	28	Petroglyphs
1	P-14-000211	Precontact	Precontact: Temporary Camp.	23	Petroglyphs
1	P-14-000270	Precontact	Precontact: Rock Art.	13	Petroglyphs
1	P-14-000271/CA-INY-271	Precontact	Precontact: Residential base.	Unknown	Petroglyphs
1	P-14-000328/CA-INY-328	Multi-component	Precontact: Residential base. Historic: Homestead/farm/ranch resource.	Unknown	Setting, feeling, and association
1	P-14-000371/CA-INY-371H	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-000388	Precontact	Precontact: Rock Art.	20	Petroglyphs
1	P-14-000389	Precontact	Precontact: Rock Art.	17	Petroglyphs
1	P-14-000390	Precontact	Precontact: Rock Art.	16	Petroglyphs
1	P-14-001317/CA-INY-1317	Multi-component with protohistoric artifacts	Precontact: Residential base. Historic: Homestead/farm/ranch resource.	Unknown	Cupules
1	P-14-001471/CA-INY-1471/H	Multi-component	Precontact: Residential base. Historic: Mining resource.	Unknown	None
1	P-14-001473/CA-INY-1473H	Multi-component	Precontact: Bedrock milling station. Historic: Homestead/farm/ranch resource.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-001496/CA-INY-1496	Precontact with historic isolate	Precontact: Temporary camp.	Unknown	Setting, feeling, and association
1	P-14-001650	Precontact	Precontact: Temporary Camp.	30	Petroglyphs
1	P-14-001873/CA-INY-1873 (incl. P-14-009424, P-14-009425, P-14-009426, P-14-009427/CA-INY-7349, CA-INY-7350, CA-INY-7351, CA-INY-7352)	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-002146	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Unknown	None
1	P-14-002325	Multi-component	Precontact: Temporary Camp. Historic: Unknown.	7	Petroglyphs
1	P-14-002533	Precontact	Precontact: Rock Art.	29	Petroglyphs
1	P-14-002766/CA-INY-2766 (incl. P-14-009413 (previously recorded isolated find), P-14-009506/CA-INY-7408)	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-003440	Precontact	Precontact: Habitation area.	31	Petroglyphs
1	P-14-003454	Precontact	Precontact: Rock Art.	33	Petroglyphs
1	P-14-003642/CA-INY-3642/H	Multi-component	Precontact: Residential Base. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-003653	Precontact	Precontact: Bedrock milling station.	Unknown	None
1	P-14-003655	Precontact	Precontact: Rock Art.	31	Petroglyphs
1	P-14-003760/CA-INY-3760H	Multi-component	Precontact: Bedrock milling station. Historic: Homestead/farm/ranch resource, water infrastructure resource.	Unknown	None; eligible under Criterion 1 due to association with construction camp
1	P-14-003767/CA-INY-3767 (incl. P-14-003766/CA-INY-3766)	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-003772/CA-INY-3772	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-003775/CA-INY-3775	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Rock feature.	Unknown	Setting, feeling, and association
1	P-14-003777/CA-INY-3777H	Multi-component	Precontact: Temporary camp. Historic: Homestead/farm/ranch resource.	Unknown	Setting, feeling, and association
1	P-14-003778/CA-INY-3778 (incl. P-14-009207)	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	Setting, feeling, and association

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-003826/CA-INY-3826	Multi-component with protohistoric artifacts	Precontact: Habitation area. Historic: Refuse and discard.	Unknown	Petroglyphs and ethnographic/ protohistoric village
1	P-14-004639	Precontact	Precontact: Temporary Camp.	22	Petroglyphs
1	P-14-004671	Precontact	Precontact: Rock Art.	1	Petroglyphs
1	P-14-004773/CA-INY-4773H	Multi-component with protohistoric artifacts	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-004786/CA-INY-4786	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-005023	Historic	Historic: Military resource.	Unknown	Setting and association with district
1	P-14-005649/CA-INY-5296H (incl. P-14-009229, P-14-009230, P-14-011686/ CA-INY-7215, CA-INY-7216, CA-INY-8999)	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource, exploration and transportation resource, homestead/ farm/ranch resource.	Unknown	None
1	P-14-005703 (incl. P-14-000602, P-14-006021, P-14-007354, P-14-009309, P-14-009310/ CA-INY-602, CA-INY-6021, CA-INY-6263, CA-INY-72, CA-INY-7263H)	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource, Refuse and discard.	Unknown	None apparent
1	P-14-006028	Precontact	Precontact: District.	38	Petroglyphs and potentially other district-related characteristics
1	P-14-006033	Precontact	Precontact: Temporary Camp.	30	Petroglyphs
1	P-14-006811/CA-INY-5815	Precontact	Precontact: Residential base.	Unknown	None
1	P-14-006995	Historic	Historic: Refuse and discard.	Unknown	None; archaeological remains of homestead
1	P-14-007356	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource, Refuse and discard.	Unknown	None
1	P-14-008282/CA-INY-6600H	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	Setting, feeling, and association
1	P-14-008723/CA-INY-6842	Multi-component	Precontact: Quarry. Historic: Refuse and discard, Rock feature.	Unknown	None
1	P-14-008772	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-008773	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource.	Unknown	Setting, feeling, and association
1	P-14-008819/CA-INY-6931	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-008820/CA-INY-6932	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Unknown	None
1	P-14-008821/CA-INY-6933	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-008822/CA-INY-6934	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	None
1	P-14-008824/CA-INY-6936	Multi-component	Precontact: Lithic concentration. Historic: Exploration and transportation resource, Refuse and discard.	Unknown	None
1	P-14-008826 (incl. P-14-009335)	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-008844	Historic	Historic: Electrical infrastructure resource.	Unknown	None; built elements determined not visually impacted (Urbana 2021)
1	P-14-009214/CA-INY-7210	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009216	Precontact	Precontact: Residential base.	Unknown	Setting, feeling, and association
1	P-14-009217	Precontact with historic isolate	Precontact: Bedrock milling station.	Unknown	None
1	P-14-009219/CA-INY-7211	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009227	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009228/CA-INY-7214	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
1	P-14-009232	Precontact with historic isolate	Precontact: Residential base.	Unknown	Setting, feeling, and association
1	P-14-009235/CA-INY-7218	Multi-component	Precontact: Residential base. Historic: Exploration and transportation resource.	Unknown	Setting, feeling, and association
1	P-14-009236/CA-INY-7219	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	Setting, feeling, and association
1	P-14-009239/CA-INY-7221 (incl. P-14-009238/CA-INY-7220)	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	Setting, feeling, and association
1	P-14-009240/CA-INY-7222	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009242/CA-INY-7223	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Water infrastructure resource.	Unknown	Setting, feeling, and association

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-009243/CA-INY-7224	Precontact	Precontact: Lithic concentration.	Unknown	Setting, feeling, and association
1	P-14-009245/CA-INY-7226	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009248/CA-INY-7229	Precontact	Precontact: Quarry.	Unknown	Setting, feeling, and association
1	P-14-009249/CA-INY-7230	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Water infrastructure resource.	Unknown	Setting, feeling, and association
1	P-14-009250/CA-INY-7231 (incl. P-14-009251/CA-INY-7232)	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009252/CA-INY-7233	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009254/CA-INY-7235	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	Setting, feeling, and association
1	P-14-009259/CA-INY-7237 (incl. P-14-009260/CA-INY-7238)	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	None
1	P-14-009272/CA-INY-7241	Historic with Precontact isolate	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009277/CA-INY-7243	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009278/CA-INY-7244	Unknown	Unknown: Rock feature.	Unknown	Setting, feeling, and association
1	P-14-009279	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009282	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Unknown	None
1	P-14-009283/CA-INY-7249	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009288/CA-INY-7252 (incl. P-14-009289/CA-INY-7253)	Multi-component	Precontact: Lithic concentration. Historic: Exploration and transportation resource, Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009298	Historic with Precontact isolate	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009300	Historic with Precontact isolate	Historic: Mining resource.	Unknown	Setting, feeling, and association
1	P-14-009305/CA-INY-7259 (incl. P-14-009304, P-14-009306)	Multi-component	Precontact: Residential base. Historic: Refuse and discard, Rock feature.	Unknown	Setting, feeling, and association
1	P-14-009309	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009310	Historic	Historic: Homestead/farm/ranch resource.	Unknown	Setting, feeling, and association
1	P-14-009311/CA-INY-7264	Precontact	Precontact: Lithic concentration.	Unknown	Setting, feeling, and association

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-009314	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009315/CA-IN-7267	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-009317	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009319/CA-INY-7270 (incl. P-14-9320/CA-INY-7271)	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard, Rock feature.	Unknown	Setting, feeling, and association
1	P-14-009321	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/farm/ranch resource.	Unknown	Setting, feeling, and association
1	P-14-009334/CA-INY-7279	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Unknown	None
1	P-14-009345/CA-INY-7287	Precontact	Precontact: Temporary camp.	Unknown	None
1	P-14-009351	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-009352/CA-INY-7291	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009357	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009358/CA-INY-7295	Multi-component	Precontact: Lithic concentration. Historic: Homestead/farm/ranch resource.	Unknown	None
1	P-14-009359/CA-INY-7296	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	P-14-009366/CA-INY-7300	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009370/CA-INY-7304	Multi-component	Precontact: Lithic concentration. Historic: Homestead/farm/ranch resource.	Unknown	None
1	P-14-009371/CA-INY-7305 (incl. P-14-009372, P-14-009373/CA-INY-7306, CA-INY-7307)	Multi-component	Precontact: Residential base. Historic: Mining resource.	Unknown	None
1	P-14-009374/CA-INY-7308	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	None
1	P-14-009375/CA-INY-7309	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-009381/CA-INY-7314	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource, Water infrastructure resource.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-009383/CA-INY-7316	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009403/CA-INY-7335	Precontact with historic isolate	Precontact: Bedrock milling station.	Unknown	None
1	P-14-009404/CA-INY-7336	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	P-14-009407/CA-INY-7338 (incl. P-14-009408/CA-INY-7339)	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009411/CA-INY-7341	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	P-14-009416/CA-INY-7343	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009421/CA-INY-7346 (incl. P-14-009422, P-14-009423/CA-INY-7347, CA-INY-7348)	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard, Rock feature.	Unknown	Setting, feeling, and association
1	P-14-009429/CA-INY-7353	Multi-component	Precontact: Lithic concentration. Historic: Mining resource.	Unknown	None
1	P-14-009431/CA-INY-7354	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-009432/CA-INY-7355 (incl. P-14-009433, P-14-009434/CA-INY-7356, CA-INY-7357)	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-009436	Precontact with historic isolate	Precontact: Temporary camp.	Unknown	Setting, feeling, and association
1	P-14-009438/CA-INY-7358	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Unknown	None
1	P-14-009439/CA-INY-7359	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	P-14-009440/CA-INY-7360	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009443/CA-INY-7363	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
1	P-14-009444/CA-INY-7364	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	None
1	P-14-009445/CA-INY-7365 (incl. P-14-009446)/CA-INY-7366)	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009447/CA-INY-7367	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009449/CA-INY-7368	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-009450/CA-INY-7369	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009451/CA-94INY-7370	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009454/CA-INY-7371 (incl. P-14-009455, P-14-009456)/CA-INY-7372, CA-INY-7373)	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009457/CA-INY-7374	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009459/CA-INY-7376 (incl. P-14-009460/CA-INY-7377)	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard, Rock feature.	Unknown	None
1	P-14-009461/CA-INY-7378	Multi-component	Precontact: Trail. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-009470/CA-INY-7381	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009471/CA-INY-7382	Precontact with historic isolate	Precontact: Bedrock milling station.	Unknown	None
1	P-14-009472/CA-INY-7383	Multi-component	Precontact: Multi-Class Artifact Concentration. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-009473/CA-INY-7384	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-009474/CA-INY-7385	Multi-component	Precontact: Multi-class Artifact Concentration. Historic: Refuse and discard	Unknown	Petroglyphs
1	P-14-009475/CA-INY-7386	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009479/CA-INY-7388	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	P-14-009480/CA-INY-7389	Multi-component	Precontact: Multi-class Artifact Concentration. Historic: Refuse and discard.	Unknown	Petroglyphs
1	P-14-009481/CA-INY-7390	Precontact with historic isolate	Precontact: Bedrock milling station.	Unknown	None
1	P-14-009483/CA-INY-7391	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009484/CA-INY-7392	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009485/CA-INY-7393	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-009486/CA-INY-7394	Multi-component	Precontact: Lithic concentration. H Historic: Refuse and discard.	Unknown	None
1	P-14-009487/CA-INY-7395	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009489/CA-INY-7397	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009490/CA-INY-7398	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009491/CA-INY-7399	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009492/CA-INY-7400	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-009493/CA-INY-7401	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-009494/CA-INY-7402	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-009495/CA-INY-7403 (incl. P-14-009496/CA-INY-7404)	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-009497/CA-INY-7405	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource, Refuse and discard.	Unknown	None
1	P-14-010005/CA-INY-7217 (incl. P-14-009233)	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	P-14-010012	Precontact	Precontact: Multi-class artifact concentration.	6	Petroglyphs
1	P-14-010015	Precontact	Precontact: Rock Art.	3	Petroglyphs
1	P-14-010018	Precontact	Precontact: Rock Art.	4	Petroglyphs
1	P-14-010025	Precontact	Precontact: Habitation area.	7	Petroglyphs
1	P-14-010036	Precontact	Precontact: Habitation area.	25	Petroglyphs
1	P-14-010037	Precontact	Precontact: Rock Art.	24	Petroglyphs
1	P-14-010038	Precontact	Precontact: Rock Art.	28	Petroglyphs
1	P-14-010039	Precontact	Precontact: Rock Art.	29	Petroglyphs
1	P-14-010049	Precontact	Precontact: Rock Art.	4	Petroglyphs
1	P-14-010961/CA-INY-8391	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-010962/CA-INY-8392	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-011302	Precontact	Precontact: Rock Art.	40	Petroglyphs
1	P-14-011303	Precontact	Precontact: Rock Art.	40	Petroglyphs
1	P-14-011333	Precontact	Precontact: Rock Art.	33	Petroglyphs
1	P-14-011427	Precontact	Precontact: Rock Art.	14	Petroglyphs
1	P-14-012071/CA-INY-9262	Precontact	Precontact: Lithic concentration, Rock feature.	Unknown	Setting, feeling, and association
1	P-14-012777/CA-INY-9677	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-012785/CA-INY-9685	Historic with precontact isolate	Historic: Water infrastructure resource.	Unknown	None; element of mining district
1	P-14-012856	Precontact	Precontact: Rock Art.	22	Petroglyphs
1	P-14-014081/CA-INY-010523/SWCA-L030-1591	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014201/CA-INY-010636/ SWCA-TROW-S-002/SWCAL030-5480	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-014238/CA-INY-010670/SWCA-L030-1010	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	Setting, feeling, and association
1	P-14-014243/CA-INY-010674/SWCA-L030-1025	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014244/CA-INY-010675/SWCA-L030-1028	Precontact	Precontact: Temporary camp.	Unknown	None
1	P-14-014245/CA-INY-010676/SWCA-L030-1030	Precontact	Precontact: Residential base.	Unknown	None
1	P-14-014246/CA-INY-010677/SWCA-L030-1031	Precontact	Precontact: Temporary camp.	Unknown	Setting, feeling, and association
1	P-14-014247/CA-INY-010678/SWCA-L030-1032	Precontact with historic isolate	Precontact: Temporary camp.	Unknown	None
1	P-14-014271/CA-INY-010681/SWCA-L030-1038	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014273/CA-INY-010683/SWCA-L030-1043	Precontact	Precontact: Temporary camp.	Unknown	None
1	P-14-014277/CA-INY-010687/SWCA-L030-1047	Precontact with historic isolate	Precontact: Temporary camp.	Unknown	None
1	P-14-014278/CA-INY-010688/SWCA-L030-1048	Precontact with protohistoric artifacts	Precontact: Residential base.	Unknown	None
1	P-14-014279/CA-INY-010689/SWCA-L030-1049	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014311/CA-INY-010690/SWCA-L030-1050	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014312/CA-INY-010691/SWCA-L030-1056	Precontact	Precontact: Burial area.	Unknown	Prehistoric mortuary complex
1	P-14-014313/CA-INY-010692/SWCA-L030-1056B	Precontact	Precontact: Burial area.	Unknown	Prehistoric mortuary complex

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-014325/CA-INY-010700/SWCA-L030-1283	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014326/CA-INY-010701/SWCA-L030-1285	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014328/CA-INY-010703/SWCA-L030-1292	Historic	Historic: Refuse and discard, Rock feature.	Unknown	Setting, feeling, and association
1	P-14-014333/CA-INY-010708/SWCA-L030-1307	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014335/CA-INY-010710/SWCA-L030-1590	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
1	P-14-014336/CA-INY-010711/SWCA-L030-1594	Multi-component	Precontact: Lithic concentration. Historic: Mining resource.	Unknown	Setting, feeling, and association
1	P-14-014337/CA-INY-010712/SWCA-L030-1673	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014338/CA-INY-010713/SWCA-L030-1676	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014339/CA-INY-010714/SWCA-L030-1677	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014401/CA-INY-010715/SWCA-L030-1681	Historic with precontact isolate	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014402/CA-INY-010716/SWCA-L030-1688	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014403/SWCA-L030-1689	Historic with precontact isolate	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014404/CA-INY-010718/SWCA-L030-1692	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014405/CA-INY-010719/SWCA-L030-1700	Precontact	Precontact: Multi-class artifact concentration.	Unknown	Setting, feeling, and association
1	P-14-014406/SWCA-L030-1701	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014410/CA-INY-010724/SWCA-L030-1710	Historic	Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	P-14-014411/CA-INY-010725/SWCA-L030-2658	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014412/CA-INY-010726/SWCA-L030-3560	Multi-component	Precontact: Multi-class artifact concentration. Historic: Exploration and transportation resource.	Unknown	None
1	P-14-014415/CA-INY-010729/SWCA-L030-4370	Multi-component	Precontact: Residential base. Historic: Homestead/farm/ranch resource.	Unknown	None
1	P-14-014422/CA-INY-010731/SWCA-L030-4376	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014423/CA-INY-010732/SWCA-L030-4383	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-014427/CA-INY-010736/SWCA-L030-4391	Multi-component	Precontact: Temporary camp. Historic: Homestead/farm/ranch resource.	Unknown	None
1	P-14-014429/CA-INY-010738/SWCA-L030-4397	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014433/CA-INY-010742/SWCA-L030-4403	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014435/CA-INY-010744/SWCA-L030-4414	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014436/CA-INY-010745/SWCA-L030-4415	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014452/CA-INY-010761/SWCA-L030-5479	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014455/CA-INY-010764/SWCA-L030-5489	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014456/CA-INY-010765/SWCA-L030-5490	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014462/SWCA-L030-5502	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014463/SWCA-L030-5504	Precontact with historic isolate	Precontact: Residential base.	Unknown	None
1	P-14-014464/SWCA-L030-5505	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/farm/ranch resource.	Unknown	None
1	P-14-014465/SWCA-L030-5506	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-014466/SWCA-L030-5509	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014467/SWCA-L030-5513	Precontact	Precontact: Habitation area.	Unknown	None
1	P-14-014469/CA-INY-010778/SWCA-L030-5517	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/Farm/Ranch resource.	Unknown	Cupules
1	P-14-014471/CA-INY-010780/SWCA-L030-5519	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-014472/CA-INY-010781/SWCA-L030-5520	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Unknown	None
1	P-14-014473/CA-INY-010782/SWCA-L030-5522	Multi-component with protohistoric artifacts	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014490/CA-INY-010799/SWCA-L030-6350	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-014491/CA-INY-010800/SWCA-L030-6352	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-014492/CA-INY-010801/SWCA-L030-6356	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-014493/CA-INY-010802/SWCA-L030-6359	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014494/CA-INY-010803/SWCA-L030-6363	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-014495/CA-INY-010804/SWCA-L030-6365	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-014496/CA-INY-010805/SWCA-L030-6366	Precontact	Precontact: Lithic concentration.	Unknown	None
1	P-14-014498/SWCA-L030-6369	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-014499/CA-INY-010808/SWCA-L030-6370	Precontact	Precontact: Temporary camp.	Unknown	None
1	P-14-014504/SWCA-L030-6385	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-014505/SWCA-L030-6387	Precontact with historic isolate	Precontact: Temporary camp.	Unknown	None
1	P-14-014506/CA-INY-010815/SWCA-L030-6389	Precontact with historic isolate	Precontact: Bedrock milling station.	Unknown	None
1	P-14-014507/SWCA-L030-6390	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
1	P-14-014509/CA-INY-010818/SWCA-L030-6397	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014510/CA-INY-010819/SWCA-L030-6399	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
1	P-14-014512/CA-INY-010821/SWCA-L030-6401	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Unknown	None
1	P-14-014513/CA-INY-010822/SWCA-L030-6402	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard, Rock feature.	Unknown	None
1	P-14-014520/CA-INY-010829/SWCA-L030-6419	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014525/CA-INY-010834/SWCA-L030-6428	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	P-14-014526/CA-INY-010835/SWCA-L030-6430	Precontact	Precontact: Lithic concentration.	Unknown	Setting, feeling, and association
1	P-14-014527/CA-INY-010836/SWCA-L030-6432	Precontact	Precontact: Lithic concentration.	Unknown	Setting, feeling, and association
1	P-14-014529/CA-INY-010838/SWCA-L030-7677	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-014531/CA-INY-010840/SWCA-L030-12035	Precontact	Precontact: Rock art.	Unknown	Petroglyphs
1	P-14-014534/CA-INY-010843/SWCA-L030-15068	Precontact	Precontact: Multi-class artifact concentration.	Unknown	Setting, feeling, and association

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	P-14-014666/CA-INY-010922/SWCA-L030-6000	Precontact	Precontact: Residential base.	Unknown	None
1	P-14-015413/CA-INY-011519/ SWCA-L030-S-62813	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	P-14-015417/CA-INY-011523/SWCA-TROW-S-003	Precontact	Precontact: Lithic concentration.	Unknown	None
2	P-15-002500	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-008676	Precontact	Precontact: District.	Unknown	Petroglyphs and potentially other district-related characteristics
2	P-15-021123/SWCA-L030-1165	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021124/SWCA-L030-1171	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021125/SWCA-L030-1172	Historic	Historic: Refuse and discard.	Unknown	Setting and association with district
2	P-15-021126/SWCA-L030-1173	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021127/SWCA-L030-1174	Historic	Historic: Exploration and transportation resource.	Unknown	Setting and association with district
2	P-15-021129/SWCA-L030-1177	Historic	Historic: Homestead/farm/ranch resource.	Unknown	Setting and association with district
2	P-15-021132/SWCA-L030-1181	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021138/SWCA-L030-5153	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021139/SWCA-L030-5154	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021140/SWCA-L030-5155	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021143/SWCA-L030-5160	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	P-15-021144/SWCA-L030-5161	Historic	Historic: Refuse and discard, Rock feature.	Unknown	Setting and association with district
3N	P-36-000035	Precontact	Precontact: Habitation area.	25	Petroglyphs
3N	P-36-000073	Precontact	Precontact: Habitation area.	19	Petroglyphs
3N	P-36-000208	Precontact	Precontact: Habitation area.	1	Petroglyphs
3N	P-36-000403/CA-SBR-403	Multi-component	Precontact: Residential base. Historic: Homestead/farm/ranch resource.	Unknown	None
1	SCE-CWA-2020A (incl. SCE-CWA-2020B)	Multi-component	Precontact: Bedrock milling station. Historic: Homestead/farm/ranch resource.	Unknown	None
1	SWCA-L030-1001	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1007	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1017	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-1023	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1024	Precontact	Precontact: Lithic concentration.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	SWCA-L030-1034	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1035	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1041	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1044	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-1045	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-1046	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-1058	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
3N	SWCA-L030-1106	Historic	Historic: Mining resource.	Unknown	None; eligible under Criterion 1 due to association with historic mining
1	SWCA-L030-1131	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Unknown	None
1	SWCA-L030-1136	Precontact	Precontact: Lithic concentration.	Unknown	None
2	SWCA-L030-1168	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	SWCA-L030-1170	Historic	Historic: Refuse and discard.	Unknown	None
2	SWCA-L030-1184	Historic	Historic: Refuse and discard.	Unknown	Setting and association with district
2	SWCA-L030-1185	Historic	Historic: Mining resource.	Unknown	Setting and association with district
1	SWCA-L030-1258	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1267	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Water infrastructure resource.	Unknown	None
1	SWCA-L030-1271	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-1295	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-1305	Precontact	Precontact: Rock Art.	6	Petroglyphs
1	SWCA-L030-15000	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-1707	Multi-component	Precontact: Lithic concentration. Historic: Electrical infrastructure resource, Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	SWCA-L030-4385	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-4399	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-4408	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-4416	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-4436	Precontact	Precontact: Lithic concentration.	Unknown	None
2	SWCA-L030-5150	Historic	Historic: Mining resource.	Unknown	Setting and association with district
2	SWCA-L030-5151	Historic	Historic: Exploration and transportation resource, Mining resource.	Unknown	Setting and association with district
2	SWCA-L030-5152	Historic	Historic: Mining resource.	Unknown	Setting and association with district
1	SWCA-L030-5476	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-5491	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-5495	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-5496	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-5498	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-5524	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard, Rock feature.	Unknown	None
1	SWCA-L030-6001	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-6367	Precontact	Precontact: Lithic concentration.	Unknown	None
1	SWCA-L030-6373	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-6396	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-6413	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-6416	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None

Segment #	Res. #	Age	Resource Type	Number of New Poles Visible from Site	Characteristics Sensitive to Visual Impact
1	SWCA-L030-6418	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-6421	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-7591	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
1	SWCA-L030-7679	Multi-component	Precontact: Lithic concentration. Historic: Homestead/farm/ranch resource, Mining resource.	Unknown	None; mining site
1	SWCA-L030-7720	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	Setting, feeling, and association
1	SWCA-L030-7736	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
1	SWCA-L030-S-62819	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None

TRIBAL CULTURAL RESOURCES – THE OWENS VALLEY LANDSCAPE

Table Ap.5-8. Resources Within the Owens Valley Landscape

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-000004/CA-INY-4	LADWP	27 pieces of obsidian debitage, Gypsum Cluster projectile point, retouched Elko Eared point, obsidian biface midsection, granitic unifacial mano, granitic milling slick, Owens Valley Brown Ware body sherd, burned (likely faunal) bone fragment. Early Archaic period/Little Lake phase to Marana period (4000 cal BP to historic contact).
P-14-000010/CA-INY-10 (incl. P-14-000091/CA-INY-91)	LADWP; Private	Fish Springs Site. Lithic scatter with 40,000-plus pieces of obsidian debitage, 89 petroglyph features, 43 bedrock milling features, rock wall, cleared area, four possible house pits, earthen depression, rock ring with milling slick, single reduction locus, shell deposit. Early Archaic to Marana periods (ca. 10,000 cal BP to historic contact). Protohistoric flaked dark olive bottle base, shell bead, an unworked bivalve shell, and two cobalt blue hexagonal glass trade beads. Trade beads date between 1700 and 1850.
P-14-000092/CA-INY-0092	LADWP	Lithic scatter. Two projectile points (Fish Slough side-notched point, Northern side-notched point), an Owens Valley Brown Ware body sherd, 10 obsidian flakes. Early and Late Archaic Period (7500 BP – 6400 BP and 3800 BP – 1280 BP) and Marana period (610 cal BP to historic contact). No obsidian hydration date returned.
P-14-000111/CA-INY-111	LADWP; BLM Bishop FO; Private	Twenty-three petroglyph panels, two single reduction loci, five bedrock milling stations. Owens Valley Brown Ware, Desert Side-Notched point, possible Western Triangular points, obsidian bifacial tools, granite manos, micaceous schist ground stone fragments, cores, a tested cobble, fire-affected basalt cobble. Obsidian scatter with some basalt of 100-plus pieces. Marana period (610 cal BP to historic contact).
P-14-000182/CA-INY-182H	BLM Ridgecrest FO; Private	Stahl Site. 45 bedrock milling features, 31 petroglyph/pictograph panels, two rockshelters, and three other Precontact features. 24 biface or biface fragments, 15 edge-modified or utilized flakes, six scrapers, five projectile points (of which four are Pinto points), one spokeshave, one drill, 19 fragments of ground stone (of which 14 are metates, two are manos, and one is a battered stone), 3 ceramics. Hundreds of thousands of artifacts were observed at the site. Nine protohistoric cobalt hexagonal beads. Early Archaic to Marana periods (ca. 10,000 cal BP to historic contact).
P-14-000271/CA-INY-271	Private	Hunting blind, a rockshelter, hunting blind, bedrock milling features, rock art, artifact scatter with obsidian lithics. Over 1,000 artifacts. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact).
P-14-000328/CA-INY-328	LADWP, BLM Bishop FO; Private	Possible hearths. Three shell beads, one stone bead, 2660+ pieces of debitage, cores and core tools, blank, drill, flaked tools, handstones, 765+ pieces of faunal bone, charcoal, shells, ceramics, FAR, fragments of steatite vessels, pumice artifacts. Desert Side-Notched, Cottonwood Triangular, Rose Spring, Elko, Pinto, stemmed and side-notched projectile points, Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact).
P-14-000371/CA-INY-371H	BLM Bishop FO; CSLC; LADWP; Private	Four bedrock mortars, four bedrock milling slicks, one stone feature. Seven manos, three metates, four edge-modified flakes, three bifaces, Rose Spring Corner-Notched projectile point, Owens Valley Brown Ware, 470+ obsidian/Chert flakes. Middle Archaic through the Marana periods (3800 cal B.P. to historic contact).
P-14-001317/CA-INY-1317	BLM Bishop FO; CSLC; LADWP; Private	Six bedrock mortars, nine slicks, three basins, cupules. Rock ring, two rock cairns. Cottonwood, Elko, Humboldt, and Rose Spring projectile points, Owens Valley Brown Ware, bone tools and ornaments, incised stone, beads (glass, shell, stone), fire-cracked rock, animal bone, shell. Portable metates, manos, ground stone (bowl mortar, mano, milling slab fragments), biface tools and fragments, obsidian biface, 1,000+ flakes (primarily obsidian with some CCS, rhyolite, quartzite, basalt). Early Archaic through Marana periods (ca. 8000 cal BP to historic contact). Three different types of protohistoric glass beads.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-001471/CA-INY-1471/H	BLM Ridgecrest FO; Private	Lithic scatter, 3 lithic sample areas, rock alignment. Bifaces, 2 obsidian edge-modified flakes, early-stage obsidian biface fragment, ground stone (bowl mortar, mano, milling slab fragments), and debitage were widespread and included 1,000-plus obsidian flakes with a lesser amount of CCS, rhyolite, quartzite, and possibly basalt. Early Archaic to Marana period (ca. 8000 cal BP, and through to historic contact).
P-14-001473/CA-INY-1473H	BLM Ridgecrest FO	Bedrock milling slick on a basalt bedrock outcrop. At least 10 flakes, one Rose Spring projectile point. Haiwee period (1280 to 610 cal BP).
P-14-001496/CA-INY-1496	BLM Bishop FO; CSLC; Private	Four milling stations, lithic tools, 14 obsidian flakes, ground stone.
P-14-001873/CA-INY-1873 (incl. P-14-009424, P-14-009425, P-14-009426, P-14-009427/CA-INY-7349, CA-INY-7350, CA-INY-7351, CA-INY-7352)	BLM Ridgecrest FO	Early to late-stage lithic reduction scatter of several hundred artifacts, including edge-modified flakes (n=11), bifaces (n=2), ground stone (n=2), cores, and core reduction flakes. Based on previously documented diagnostic projectile points, possibly Paleoindian (ca. 13,500 to 12,900 cal BP) and Haiwee period (1280 to 610 cal BP).
P-14-002146	LADWP; Private	Artifact concentration, 17 bedrock milling stations, 200+ pieces of lithic debitage, 200+ fragments of fire-affected granite rock, mano fragments (n=7), basalt metate fragment, obsidian edge-modified flake, obsidian biface fragments (n=8), basalt battered stones (n=2), calcined mammal bone fragments (n>10), one complete Elko Eared point, possible corner-notched Elko Eared point, Humboldt point base, obsidian projectile point tips (n=5), medial obsidian biface fragments (n=2), gray chert biface fragment, ground stone fragments (n=3), basalt ground stone fragment, battered basalt possible hammer stone, white chert bifaces fragments (n=2), obsidian core, a coarse-grained salt and pepper granite ground stone fragment, looters pile of 47-plus flakes placed on a boulder, brown chert tested cobble, obsidian biface midsection, three gray chert flakes, one coarse-grained granite unifacial mano. Early Archaic period/Little Lake phase to Marana period (4000 cal BP to historic contact).
P-14-002766/CA-INY-2766 (incl. P-14-009413 (previously recorded isolated find), P-14-009506/CA-INY-7408)	BLM Ridgecrest FO	2 lithic sampling areas. Lithic debitage, lithic tools, and ground stone. Overall site flake count of 70,000. Paleoindian to Early Archaic periods (ca. 14,000 to 3800 cal BP).
P-14-003642/CA-INY-3642/H	Private	2 bedrock milling slicks, lithic concentration, 2 petroglyph features, rock alignment, rock cairn. Side-notched obsidian projectile point with a fractured tip, stemmed obsidian projectile point fragment, medial fragment of a serrated projectile point, granite mano fragment exhibiting polish on three sides, Desert Side Notched point, Cottonwood Triangular obsidian projectile point base, bifacial edge-modified obsidian flake, polished bone tool, obsidian awl, 500 flakes (obsidian, CCS, quartz). Marana period (610 cal B.P. to historic contact).
P-14-003653	Private	One basalt bedrock outcrop milling slab with two milling surfaces. One tertiary obsidian flake, a bifacially ground, fine-grained granite portable milling boulder fragment.
P-14-003760/CA-INY-3760H	Caltrans	Lithic scatter, six bedrock milling slicks. Obsidian and basalt lithic debitage, two obsidian projectile point fragments. Haiwee period (1280 to 610 cal BP).
P-14-003767/CA-INY-3767 (incl. P-14-003766/CA-INY-3766)	LADWP; Private	12,870+ individual artifacts including thirteen Pinto projectile points, two stemmed projectile points, three nondiagnostic dart points, bifaces, flake tools, cores and core tools, modified stone, one mano and one milling stone, two beads (one of shell), a battered cobble, bone and shell faunal remains. Early Archaic and Marana periods (ca. 10,000 cal BP to historic contact).
P-14-003772/CA-INY-3772	LADWP; Private	Eleven pieces of obsidian and basalt debitage, Owens Valley Brown Ware, shell fragments. Marana period (610 cal BP to historic contact).
P-14-003775/CA-INY-3775	LADWP; Private	Lithic and ceramic scatter. Lithic debitage (obsidian, chert, CCS, basalt, chalcedony), core tool, obsidian biface fragments, Owens Valley Brown Ware. Early Archaic period/Little Lake phase to Marana period (11,000 cal BP to historic contact).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-003777/CA-INY-3777H	LADWP; Private	Freshwater mollusk shell and burned faunal bone scatter, ceramic scatter. 175+ flakes (including edge-modified; obsidian, basalt, chert, quartzite, jasper, chalcedony), Olivella beads, Rose Spring points, Humboldt points, corner-notched projectile point, biface fragments, manos, Owens Valley Brown Ware sherds, jasper drill. Haiwee and Marana periods (1280 cal BP to historic contact).
P-14-003778/CA-INY-3778 (incl. P-14-009207)	LADWP	Two artifact concentrations. 50 pieces of lithic debitage, 15 ceramic sherds, Rose Spring projectile point base, FAR, 300 to 500 pieces of freshwater mussel shell. Haiwee and Marana periods (1280 cal BP to historic contact).
P-14-003826/C A-INY-3826	Private; Caltrans	Pagunda Site. Rockshelters, petroglyphs, bedrock milling features, rock rings, and rock walls. Ceramics, shell, faunal, fire affected rock, groundstone, lithic tools, and lithic debitage including obsidian.
P-14-004773/CA-INY-4773H	BLM Bishop FO; Private; LADWP	Six granite bedrock milling slicks, earthen depression. 258 flakes (obsidian, jasper). Eight obsidian edge-modified flakes, five obsidian biface, five obsidian projectile point fragments, two granite manos, and two unifacial granite metates. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact). Protohistoric cobalt blue hexagonal bead dated between 1700 and 1850.
P-14-004786/CA-INY-4786	BLM Bishop FO	Six pieces of obsidian debitage and two biface fragments. Groundstone, two non-diagnostic dart-sized point fragments, one Cottonwood Triangular point fragment, one obsidian and two CCS bifaces, two obsidian flake tools, one granitic mano, 30 pieces of debitage, and several faunal bone fragments were collected. Early Archaic through Marana periods (ca. 8300 cal BP to historic contact).
P-14-005649/CA-INY-5296H (incl. P-14-009229, P-14-009230, P-14-011686/CA-INY-7215, CA-INY-7216, CA-INY-8999)	LADWP; SCE; Private	252 obsidian and chert flakes. Early Archaic Period (11,000 to 3800 cal BP).
P-14-005703 (incl. P-14-000602, P-14-006021, P-14-007354, P-14-009309, P-14-009310/CA-INY-602, CA-INY-6021, CA-INY-6263, CA-INY-72, CA-INY-7263H)	CSLC; California Dept of Fish and Wildlife; Private	Bedrock milling slick. scatter of mostly obsidian lithic debitage, white jasper biface, Owens Valley Brown Ware. Marana period (610 cal B.P. to historic contact).
P-14-006811/CA-INY-5815	LADWP	5,000+ artifacts including fire-affected rock, ash, freshwater mussel shells, faunal bone, 26 Owens Valley Brown Ware ceramic sherds, lithic tools, 2 lithic concentrations, lithic debitage (mostly obsidian late-stage reduction debitage). Early Archaic to Marana periods (ca. 10,000 cal BP to historic contact).
P-14-007356	Private	Lithic scatter. Obsidian debitage, rabbit and deer bone.
P-14-008282/CA-INY-6600H	BLM Bishop FO; CSLC, Lands Division; Private	14 obsidian flakes and one ground stone fragment. Five Owens Valley Brown Ware ceramic sherds. Paleoindian to Marana periods (ca. 14,000 cal BP to historic contact). Notes: Testing for subsurface deposits at the site was negative. A previously recorded Clovis-type fluted point fragment was not located upon the most recent survey of the site.
P-14-008723/CA-INY-6842	LADWP	Three lithic sample areas. 587 flakes (obsidian, jasper). Eight projectile points, 24 edge-modified flake tools, eight granite and schist ground stone fragments, five cores, eight bifacially flaked tools, and two unifacially flaked tools. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact).
P-14-008773	BLM Bishop FO; Private	Lithic scatter. Precontact artifacts: Distal end of an opaque obsidian biface, an opaque obsidian edge-modified tertiary flake with bimarginal flaking on one margin. Historic features: refuse scatter, lattice steel transmission line structure.
P-14-008819/CA-INY-6931	BLM Ridgecrest FO	One biface fragment and 20 flakes.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-008820/CA-INY-6932	BLM Ridgecrest FO	Forty obsidian flakes, two obsidian projectile point mid- sections, medial biface fragment, two retouched flakes, and one fragment of a projectile point.
P-14-008821/CA-INY-6933	BLM Ridgecrest FO	At least 40 obsidian flakes, one red chert flake, one obsidian biface fragment, one Rose Spring obsidian projectile point missing the tip, one obsidian split-stemmed projectile point fragment, and one ovate schist tool. Early Archaic and Haiwee periods (ca. 10,000 to 610 cal BP).
P-14-008822/CA-INY-6934	BLM Ridgecrest FO	Bedrock milling slick. Six obsidian flakes.
P-14-008824/CA-INY-6936	LADWP; Private	Sparse lithic scatter.
P-14-008826 (incl. P-14-009335)	BLM Ridgecrest FO	Three pieces of obsidian debitage and one edge-modified flake.
P-14-009214/CA-INY-7210	LADWP; Private	Twenty-one primarily late-stage reduction flakes (obsidian, basalt, chert).
P-14-009216	LADWP	Freshwater mussel shell midden, ceramic scatter, groundstone, 7 Owens Valley Brown Ware ceramics sherds, shell, lithic tools, and lithic debitage. Marana period (610 cal BP to historic contact).
P-14-009217	BLM Ridgecrest FO	Two bedrock milling slicks.
P-14-009219/CA-INY-7211	LADWP	Artifact concentration of 32 pieces of debitage (obsidian, basalt, chert), mica schist slate and slate fragments, Owens Valley Brown Ware, bifacial mano, FAR, concentration of freshwater mussel shell fragments, burned faunal bone fragments. Marana period (610 cal BP to historic contact).
P-14-009227	Private; LADWP; SCE	Two tertiary obsidian flakes and one obsidian biface fragment.
P-14-009228/CA-INY-7214	Private; SCE	Twenty-two flakes (CCS, obsidian, jasper, chert, quartz), obsidian biface fragment. 6 fragments of FAR, 7 Owens Valley Brown Ware sherds. Haiwee to the Marana period (1280 cal BP and historic contact).
P-14-009232	LADWP	4,000+ lithic artifacts represent a resource procurement and processing locale. Two lithic scatter and an additional 194 flakes (obsidian, basalt, rhyolite), groundstone fragments (one mano and the other likely a metate fragment), five edge-modified flakes, a quartzite core, an obsidian projectile point.
P-14-009235/CA-INY-7218	LADWP	Nine lithic concentrations, four ceramic concentrations, quartzite single-reduction locus. 5,000+ pieces of lithic debitage, 50+ ceramic sherds. 25 tools and tool fragments including a lunate crescent biface (jasper) and projectile point (obsidian, possibly Borax Lake Wide). Paleoindian through Marana periods (between ca. 14,000 cal BP and historic contact), likely with several separate periods of occupation.
P-14-009236/CA-INY-7219	LADWP	Six late-stage obsidian flakes, one basalt flake, and one obsidian edge-modified flake.
P-14-009239/CA-INY-7221 (incl. P-14-009238/CA-INY-7220)	LADWP	2 lithic scatters, single-reduction locus. Precontact artifacts: Three flaked stone tools, one mammal bone fragment, and 343 flakes, basalt core. Early Archaic period (ca. 10,000 to 5000 cal BP).
P-14-009240/CA-INY-7222	LADWP	Four lithic scatters. Approximately 10,000 flakes (obsidian, basalt, rhyolite, chert, chalcedony, jasper), roughly 90 percent of which are unmodified late-stage reduction debitage. Basalt core, basalt core fragment, basalt tested cobble, Owens Valley Brown Ware, quartzite tested cobble, rhyolite multidirectional core, worked shell artifact. Marana period (610 cal BP to historic contact).
P-14-009242/CA-INY-7223	LADWP	614 pieces of debitage (chert, quartzite, chalcedony, rhyolite, basalt, jasper), Olivella shell bead, obsidian tool fragments, granite possible mano fragment, Pinto projectile point base. Early Archaic period (ca. 10,000 to 5000 cal BP).
P-14-009243/CA-INY-7224	LADWP	Ninety-four flakes (obsidian, red and yellow jasper, black and gray chert, rhyolite, basalt). Early Archaic Period (11,000 to 3800 cal BP). Olivella shell bead found during testing dates to Haiwee to Marana Periods (1280 cal BP and contact).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-009245/CA-INY-7226	LADWP	154+ pieces of obsidian debitage including flakes of basalt, jasper, chert flakes, CCS, rhyolite and quartzite. Paleoindian (14,000 to 11,000 BP) and Early Archaic Periods (11,000 to 3800 cal BP).
P-14-009248/CA-INY-7229	LADWP	Forty-two pieces of debitage, a lithic core, two tested cobbles, a ground stone fragment, and three obsidian projectile points. Early to Middle Archaic Period (1150 BP to 950 BP).
P-14-009249/CA-INY-7230	LADWP	Projectile point, one each of obsidian and basalt flake, Owens Valley Brown Ware. Late to Transitional Archaic Period through Marana Period (ca. 4000-5000 cal BP to historic contact).
P-14-009250/CA-INY-7231 (incl. P-14-009251/CA-INY-7232)	BLM Bishop FO; LADWP	450+ pieces of lithic debitage, 25 projectile point fragments, 15 biface fragments, three edge-modified flakes, two core fragments, four manos, one hammer stone, two pieces of fire-affected rock, Owens Valley Brown Ware. Early Archaic through Marana periods (ca. 10,000 cal BP to historic contact).
P-14-009252/CA-INY-7233	BLM Bishop FO	Approximately 20 flakes (obsidian, basalt, and rhyolite), one brown ware body sherd, and one plainware body sherd. Marana period (610 cal BP to historic contact).
P-14-009254/CA-INY-7235	CSLC	One obsidian flake. Previously documented basalt flake, five obsidian flakes, granite mano, and two hole-in-cap cans were not located upon the most recent survey of the site.
P-14-009259/CA-INY-7237 (incl. P-14-009260/CA-INY-7238)	BLM Bishop FO	Two granite bedrock milling stations. Obsidian scatter.
P-14-009277/CA-INY-7243	BLM Bishop FO	Fourteen flakes, obsidian Pinto projectile point and two bifacial tool fragments. Early Archaic period/Little Lake phase (10,000 to 3800 cal BP).
P-14-009278/CA-INY-7244	BLM Bishop FO	Rock Cairn.
P-14-009279	BLM Bishop FO	Nine cans, 65+ glass fragments and one olive glass base, horseshoe and horseshoe fragment, miscellaneous metal, barbed wire, and tobacco tin. American Period (1915 to 1967).
P-14-009282	BLM Bishop FO	Granitic hammer stone.
P-14-009283/CA-INY-7249	BLM Bishop FO	Two bedrock milling slicks and one ground stone mano.
P-14-009288/CA-INY-7252 (incl. P-14-009289/CA-INY-7253)	LADWP	498 pieces of lithic debitage (obsidian, chalcedony, rhyolite, chert, basalt, quartzite, siltstone), 10 lithic tools. Early Archaic period/Little Lake phase (8000 to 5000 cal BP). Estimated obsidian hydration ages span the Terminal Pleistocene through Late Holocene (2764 to 12,809 BP).
P-14-009305/CA-INY-7259 (incl. P-14-009304, P-14-009306)	BLM Bishop FO; Private	Two single-reduction lithic concentration loci, bedrock milling slick, an estimated 750 to 1000 pieces of debitage (obsidian, quartz, basalt, chert, jasper), Humboldt projectile point base, one core, four edge modified flakes, two projectile point fragments, seven biface fragments, one clear quartz flake. Early Archaic to the Middle Archaic/Newberry period (8000 to 1280 cal BP).
P-14-009311/CA-INY-7264	Private	Ten obsidian flakes. An obsidian biface fragment and a green quartzite flake were not relocated.
P-14-009314	Private	Obsidian edge-modified flake.
P-14-009315/CA-IN-7267	Private; BLM Ridgecrest FO	Less than 20 flakes of obsidian.
P-14-009317	Private; BLM Ridgecrest FO; LADWP	Isolated obsidian flake, and an edge-modified chalcedony flake.
P-14-009319/CA-INY-7270 (incl. P-14-9320/CA-INY-7271)	BLM Ridgecrest FO	Two lithic tools, 100+ pieces of obsidian, basalt ground stone fragment, obsidian biface fragment and edge-modified flake.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-009321	Private	Nine pieces of debitage, edge-modified obsidian flake, obsidian biface fragment, chert core, basalt ground stone fragment.
P-14-009334/CA-INY-7279	BLM Ridgecrest FO	Sixteen obsidian flakes, 2 obsidian bifaces, an obsidian Elko Corner-Notched projectile point with corner notches and one tang. Middle Archaic/ Newberry period (3800 to 1280 cal BP).
P-14-009345/CA-INY-7287	LADWP	Bedrock milling feature. 580+ pieces of lithic debitage (obsidian with 1 quartz flake), four edge-modified flakes, two bifaces.
P-14-009351	LADWP	Lithic scatter, edge-modified flake, mussel shell, obsidian flake, obsidian biface, obsidian Elko Corner-Notched projectile point. Middle Archaic/ Newberry period (approximately 3800 to 1280 cal BP).
P-14-009352/CA-INY-7291	LADWP	Eleven Owens Valley Brown Ware sherds and three obsidian flakes. Marana period (610 cal BP to historic contact).
P-14-009357	BLM Ridgecrest FO	Two obsidian edge-modified flakes.
P-14-009358/CA-INY-7295	BLM Ridgecrest FO	Twenty-four tertiary obsidian flakes.
P-14-009359/CA-INY-7296	BLM Ridgecrest FO	Obsidian biface, 3 obsidian edge-modified flakes, 80+ obsidian flakes.
P-14-009366/CA-INY-7300	LADWP; BLM Ridgecrest FO	Twelve obsidian tertiary flakes.
P-14-009370/CA-INY-7304	BLM Ridgecrest FO; LADWP	Lithic concentration used as a sample area for a lithic tally, 10 tertiary obsidian flakes observed within a 10 × 10–m area; an obsidian biface fragment from an indeterminate tool; the distal and medial portion of a late-stage obsidian biface that exhibits a snap fracture at the proximal end and random flaking. Middle Archaic/Newberry Period (3800 to 1280 cal BP) and the Haiwee Period (1280 to 610 cal BP).
P-14-009371/CA-INY-7305 (incl. P-14-009372, P-14-009373/CA-INY-7306, CA-INY-7307)	BLM Ridgecrest FO; LADWP	Bedrock mortar on a granite rock outcropping, single reduction locus. Roughly 7,500 flaked stone artifacts, mostly obsidian, but also chalcedony, quartz, basalt, and quartzite; 3 metate ground stone fragments; 3 edge-modified flakes; 2 bifaces; 1 obsidian Pinto projectile point; 1 core. Late Archaic period (ca. 10,000 and 5,000 cal BP).
P-14-009374/CA-INY-7308	BLM Ridgecrest FO	Two granitic bedrock milling features, each with 1 milling slick. 2 obsidian flakes.
P-14-009375/CA-INY-7309	Private	10 pieces of obsidian debitage.
P-14-009377	BLM Ridgecrest FO	Ninety-two cans (meat, bimetal, sanitary, beverage, aerosol), 176 glass bottle fragments and bases (amber, colorless), refrigerator door, wooden fence post. American Period (1900 to present).
P-14-009381/CA-INY-7314	BLM Ridgecrest FO	Lithic scatter. 15 obsidian flakes, 3 ground stone fragments (unifacial granite metate fragment, bifacial basalt mano fragment, unifacial tufa or pumice ground stone fragment).
P-14-009383/CA-INY-7316	BLM Ridgecrest FO	Unmodified obsidian debitage, formal and informal obsidian tools, ground stone fragments. Estimated assemblage of over 1,200 pieces of debitage.
P-14-009403/CA-INY-7335	BLM Ridgecrest FO	Unmodified secondary obsidian flake, a granite grinding slab.
P-14-009404/CA-INY-7336	BLM Ridgecrest FO	Two lithic scatters, 60 pieces of obsidian debitage, tested cobble.
P-14-009407/CA-INY-7338 (incl. P-14-009408/CA-INY-7339)	BLM Ridgecrest FO	Over 600 artifacts, including flaked stone tools (four bifaces or biface fragments, one scraper, and one edge-modified obsidian flake), debitage, and one piece of basalt ground stone.
P-14-009411/CA-INY-7341	BLM Ridgecrest FO	Lithic scatter, 156 obsidian flakes, obsidian biface.
P-14-009416/CA-INY-7343	BLM Ridgecrest FO	Two lithic sample areas. 454 obsidian flakes, quartzite flake, 3 obsidian bifaces, 2 obsidian edge-modified flakes, obsidian uniface flake tool, one obsidian knife fragment, obsidian utilized flake. Middle Archaic/Newberry Period (3800 to 1280 cal BP).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-009421/CA-INY-7346 (incl. P-14-009422, P-14-009423/ CA-INY-7347, CA-INY-7348)	BLM Ridgecrest FO	FAR concentration (possible deflated hearth), quartzite flake, 159 obsidian flakes, ground stone, 4 edge-modified flakes, bifacial tools including Elko Corner-Notched, possible Pinto, and a stemmed projectile point, possible soapstone bowl fragment. Middle Archaic/Newberry period (3800 to 1280 cal BP).
P-14-009429/CA-INY-7353	BLM Ridgecrest FO; Private	Three lithic sample areas, 1 lithic scatter. Obsidian, quartzite, and chalcedony debitage. 7 edge-modified obsidian flakes, obsidian uniface tool, 4 obsidian biface fragments. Over 1,000 precontact artifacts are estimated at this site.
P-14-009431/CA-INY-7354	BLM Ridgecrest FO	Twenty-two late-stage reduction obsidian flakes. Previously recorded edge-modified flake was not relocated.
P-14-009432/CA-INY-7355 (incl. P-14-009433, P-14-009434/ CA-INY-7356, CA-INY-7357)	BLM Ridgecrest FO	Three lithic sampling areas, bedrock milling slick on exfoliated vesicular basalt boulder. 1,000+ artifacts including obsidian, quartzite, and chalcedony debitage, 4 bifaces or biface fragments, 3 edge-modified flakes, metate fragment.
P-14-009436	BLM Ridgecrest FO	168 obsidian flakes, representing approximately 75 percent of the debitage throughout the site. Unifacial gray vesicular basalt grinding slab, 2 obsidian edge-modified flakes.
P-14-009438/CA-INY-7358	BLM Ridgecrest FO	Rockshelter on basalt outcrop, vesicular basalt bedrock milling slick, 2 lithic sample areas. Over 2,000 pieces of lithic debitage. Flaked stone tools, ground stone, projectile point. Early Archaic (ca. 10,000 and as late as 5,000 cal BP).
P-14-009439/CA-INY-7359	BLM Ridgecrest FO	Ten obsidian flakes.
P-14-009440/CA-INY-7360	BLM Ridgecrest FO	Three lithic scatters. 1,500-plus pieces of obsidian debitage.
P-14-009443/CA-INY-7363	BLM Ridgecrest FO; Private	Dimensions: 296 m (NW-SE) × 156 m (NE-SW). Precontact features: Lithic sample area. 2 obsidian exhausted cores, 5 obsidian edge-modified flakes, granite slab metate, obsidian medial biface fragment. Late Holocene (175 and 7596 BP).
P-14-009444/CA-INY-7364	BLM Ridgecrest FO	Bedrock milling feature on a basalt boulder. 10 obsidian flakes, edge-modified obsidian flake with edge damage on three margins and missing distal end, edge-modified obsidian flake with edge damage on all margins, edge-modified obsidian flake with edge damage on both lateral margins, edge-modified obsidian flake with edge damage on one margin and bimarginal crushing on another edge. A previously recorded biface and core were not located upon the most recent survey of the site.
P-14-009445/CA-INY-7365 (incl. P-14-009446)/CA-INY-7366)	BLM Ridgecrest FO	Lithic scatter. Obsidian edge-modified flake, obsidian projectile point base fragment, obsidian mid-stage biface fragment, 145 obsidian flakes.
P-14-009447/CA-INY-7367	BLM Ridgecrest FO	Thirteen obsidian flakes, 2 edge modified obsidian flakes. A previously recorded biface was not located upon the most recent survey of the site.
P-14-009449/CA-INY-7368	BLM Ridgecrest FO	Eight obsidian flakes, edge-modified obsidian flake. A previously recorded quartz core reduction flake and 2 basalt core reduction flakes were not located upon the most recent survey of the site.
P-14-009450/CA-INY-7369	Private	Thirty obsidian flakes, projectile point midsection fragment. Two previously recorded edge-modified obsidian flake tools were not located upon the most recent survey of the site. Marana Period (ca. 610 cal BP-contact), Haiwee Period (ca. 1280-610 cal BP), and the latter part of the Middle Archaic/Newberry Period (ca. 3800-1280 cal BP).
P-14-009451/CA-94INY-7370	Private	Lithic sample area. 13 obsidian flakes, 2 obsidian edge-modified flakes, obsidian side-notched projectile point fragment, Owens Valley Brown Ware body sherd. Marana period (610 cal BP to historic contact).
P-14-009454/CA-INY-7371 (incl.P-14-009455, P-14-009456)/ CA-INY-7372, CA-INY-7373)	Private	Single-reduction locus, ceramic scatter, lithic sample area. 450-plus pieces of unmodified obsidian debitage, 5 edge-modified flakes, 85 sherds of Owens Valley Brown Ware ceramics. Marana period (610 cal BP to historic contact).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-009457/CA-INY-7374	Private	Obsidian flake. 2 previously recorded obsidian flakes (core reduction and indeterminate), 2 bifacial metates, and unifacial metate were not located upon the most recent survey of the site.
P-14-009459/CA-INY-7376 (incl. P-14-009460/CA-INY-7377)	Private	Lithic sample area, 3 bedrock milling slicks. 60 obsidian flakes, obsidian side-notched projectile point (possibly Eastgate). Haiwee period (1280 to 610 cal BP).
P-14-009461/CA-INY-7378	Private	Two N-S trending trail segments and associated lithic scatter, lithic scatter, petroglyphs. Thousands of pieces of debitage, nearly complete triangular shaped obsidian projectile point.
P-14-009470/CA-INY-7381	BLM Ridgecrest FO	12 obsidian flakes, obsidian edge-modified flake with edge damage on three margins, unifacial basalt ground stone fragment with use wear on one surface, unifacial basalt metate with use wear on one surface, and unifacial basalt metate with heavy use wear on one surface and a well-developed basin.
P-14-009471/CA-INY-7382	BLM Ridgecrest FO	Basalt boulder milling slick. Precontact artifacts: 8 obsidian flakes. Precontact dating: No temporally diagnostic artifacts.
P-14-009472/CA-INY-7383	BLM Ridgecrest FO	Bedrock outcrop with five milling slicks, bedrock outcrop with four milling slicks, petroglyph, bedrock outcrop with two milling slicks. 6 obsidian flakes.
P-14-009473/CA-INY-7384	BLM Ridgecrest FO	Nine bedrock milling features, 3 petroglyph features. 103 obsidian flakes, serrated obsidian projectile point tip.
P-14-009474/CA-INY-7385	BLM Ridgecrest FO	Two milling slicks on basalt boulders, petroglyph feature. 10 obsidian flakes.
P-14-009475/CA-INY-7386	BLM Ridgecrest FO	Thirty-nine obsidian flakes.
P-14-009479/CA-INY-7388	BLM Ridgecrest FO	9 obsidian flakes.
P-14-009480/CA-INY-7389	DOD NAWS China Lake	Six bedrock milling features, 3 petroglyph features. Obsidian flake.
P-14-009481/CA-INY-7390	DOD NAWS China Lake	Two bedrock milling features.
P-14-009483/CA-INY-7391	DOD NAWS China Lake	134 pieces of obsidian debitage, obsidian biface base fragment, obsidian edge-modified flake with edge damage on all margins, obsidian leaf-shaped biface missing a segment of one margin and exhibiting heavy crushing on the opposite margin. Middle Archaic/Newberry Period (3800 to 1280 cal BP) and the Haiwee Period (1280 to 610 cal BP).
P-14-009484/CA-INY-7392	DOD NAWS China Lake	Three obsidian tools, biface, 228 pieces of obsidian debitage, obsidian edge-modified flake. Middle Archaic/Newberry Period (3800 to 1280 BP) and Haiwee Period (1280 to 610 BP).
P-14-009485/CA-INY-7393	BLM Ridgecrest FO	Forty-nine pieces of lithic debitage, complete Rose Springs style projectile point. Middle Archaic/Newberry Period (3800 to 1280 BP) and Haiwee Period (1280 to 610 BP).
P-14-009486/CA-INY-7394	BLM Ridgecrest FO; DOD NAWS China Lake	Forty-eight obsidian flakes. Middle Archaic/Newberry Period (3800 to 1280 BP).
P-14-009487/CA-INY-7395	BLM Ridgecrest FO	105 pieces of debitage, granite ground stone, granite metate fragment, broken obsidian edge-modified flake. Middle Archaic/Newberry Period (3800-1280 cal BP), Haiwee Period (1280-610 cal BP), Marana Period (610 cal BP-contact).
P-14-009489/CA-INY-7397	BLM Ridgecrest FO	Eleven pieces of obsidian debitage. A previously recorded Cottonwood Triangular projectile point was not located upon the most recent survey of the site.
P-14-009490/CA-INY-7398	BLM Ridgecrest FO	Seventeen obsidian flakes, obsidian edge-modified flake.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-009491/CA-INY-7399	DOD NAWS China Lake; BLM Ridgecrest FO; DOD NAWS China Lake	Single-reduction locus. 81 obsidian and quartzite flakes, obsidian edge-modified tertiary flake with edge damage on both lateral margins and the proximal end. Early Archaic (11,000 to 3800 BP), Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), and Marana Period (610 BP to contact).
P-14-009492/CA-INY-7400	DOD NAWS China Lake; DOD NAWS China Lake; BLM Ridgecrest FO	Sixty-six pieces of debitage, brown ware body sherd with sand temper. Middle Archaic/Newberry Period (3800 to 1280 BP) and Haiwee Period (1280 to 610 BP).
P-14-009493/CA-INY-7401	DOD NAWS China Lake	Bifacially edge-modified obsidian flake, unifacially edge-modified obsidian flake.
P-14-009494/CA-INY-7402	DOD NAWS China Lake; DOD NAWS China Lake; BLM Ridgecrest FO	189 obsidian flakes, obsidian bimarginal tool, obsidian biface (probable projectile point) fragment. Early Archaic (11,000 to 3800 BP), Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), Marana Period (610 BP to contact).
P-14-009495/CA-INY-7403 (incl. P-14-009496/CA-INY-7404)	BLM Ridgecrest FO	175+ obsidian flakes, obsidian biface fragment with unilateral edge modification, obsidian biface with bilateral edge modification, edge-modified obsidian flake with bilateral edge modification. A previously recorded piece of pumice ground stone was not relocated. Latter part of the Middle Archaic/Newberry Period (3800-1280 cal BP), Marana Period (610 cal BP-contact), Haiwee (1280-610 cal BP) Periods.
P-14-009497/CA-INY-7405	BLM Ridgecrest FO; DOD NAWS China Lake	Lithic scatter. 130 tertiary obsidian flakes, four obsidian edge-modified flakes with unilateral edge modification, nearly complete obsidian side-notched projectile point, an obsidian mid- to late-stage biface margin fragment (likely a Rose Spring Side-Notched). Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), Marana Period (
P-14-010005/CA-INY-7217 (incl. P-14-009233)	Private	60 pieces of lithic debitage (obsidian, rhyolite, chert, basalt, red jasper), rhyolite biface medial fragment, quartzite core fragment. Obsidian hydration age calculations indicate occupation over a span of 4,300 years. Early Archaic Period (11,000 to 3800 cal BP).
P-14-010961/CA-INY-8391	LADWP	Eight obsidian flakes, 13 ceramic sherds with two different tempers.
P-14-010962/CA-INY-8392	LADWP	Three obsidian thinning flakes; chert projectile point tip; fragment of an obsidian projectile point, possibly a Cottonwood point; 13 ceramic sherds with two different types of temper. Marana period (610 cal BP to historic contact).
P-14-012071/CA-INY-9262	BLM Bishop FO	Four flakes of obsidian were located on the ground surface within 20 m of the rock feature. Concentration of vesicular basalt cobbles measuring 1.5 × 1.0 m and containing 42 cobbles ranging between 4 and 12 cm in length. A secondary scatter of similar cobbles was located northeast of the feature was not relocated.
P-14-012777/CA-INY-9677	SCE	Ten obsidian flakes.
P-14-014498/SWCA-L030-6369	BLM Ridgecrest FO	Two lithic sample areas. Total estimated assemblage of approximately 9,900 flakes. Proximal fragment of an obsidian biface, edge-modified obsidian flake, granite milling slab on an embedded boulder, red vesicular basalt abrader fragment, biface fragment.
P-14-014504/SWCA-L030-6385	BLM Ridgecrest FO	Eleven bedrock milling slicks, one lithic scatter. 85 flakes (obsidian, chalcedony), seven obsidian biface fragments, one possible Borax Lake Cluster obsidian projectile point, six obsidian edge-modified tertiary flakes, four basalt metates or metate fragments. Early Archaic period/Little Lake phase (11,000 to 3800 cal BP).
P-14-014505/SWCA-L030-6387	BLM Ridgecrest FO	Basalt boulder/bedrock milling feature with one mortar. Precontact artifacts: 49 obsidian tertiary flakes, one early-stage biface, two projectile point midsection fragments, one edge-modified flake, one metate, one mano, and one pestle.
P-14-014507/SWCA-L030-6390	BLM Ridgecrest FO	Nine bedrock milling slicks, one cairn. Two tertiary obsidian flakes, bi-marginal obsidian edge-modified tertiary flake with edge damage on one lateral margin, unifacial basalt metate/lap stone or a unifacial two-hand mano, obsidian (greenish hue, similar to Fish Springs source) Elko Corner-

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
		Notched-style projectile point with convex shape and random flaking pattern on both surfaces, expedient, unifacial basalt cobble mano. Middle Archaic/Newberry period (approximately 3800 to 1280 cal BP).
SCE-CWA-2020A (incl. SCE-CWA-2020B)	Private	Bedrock milling features, lithic scatter of obsidian and basalt debitage.
SWCA-L030-1001	LADWP	Broken obsidian biface and possible preform, 2 obsidian fragments that refit to form a nearly complete Rose Spring Corner-Notched projectile point, 2 obsidian fragments that refit to form a stout projectile point, edge-modified flake produced from a thick biface thinning flake, obsidian flakes at a density of 3 flakes per square meter. Rose Spring Corner-notch points date to Haiwee Period (1280 to 610 BP), Gypsum Cave point dates to Middle Archaic/Newberry Period (4000–2800 BP).
SWCA-L030-1297	LADWP	Six isolated flakes (obsidian, jasper, chert) and one obsidian edge-modified flake.
P-14-014336/CA-INY-010711/ SWCA-L030-1594	BLM Bishop FO	Two isolated obsidian flakes, one biface fragment.
P-14-014338/CA-INY-010713/ SWCA-L030-1676	BLM Bishop FO	Isolated obsidian projectile point fragment, one flake.
P-14-014460/SWCA-L030-5497	BLM Bishop FO	Eight obsidian flakes, obsidian biface tip.
P-14-014521/SWCA-L030-6420	BLM Ridgecrest FO	Two obsidian biface fragments.
SWCA-L030-1007	LADWP	Seventeen flakes (obsidian, chert, quartz, basalt), distal fragment of an obsidian projectile point. Middle Archaic/Newberry Period (2600 BP to 1000 BP).
P-14-014238/CA-INY-010670/ SWCA-L030-1010	LADWP	Twenty-three flakes (obsidian, chert, basalt, rhyolite). Obsidian hydration rim measurements yielded estimated ages of 3943 to 7806 BP indicating an occupation of over 3,800 years during the Middle Holocene/Early Archaic Period (11,00 to 3800 cal BP).
SWCA-L030-1017	LADWP	Lithic scatter. 505 flakes (obsidian, white chert, gray chert, jasper, quartz), obsidian core, obsidian projectile point, possibly a Rose Spring Corner-Notched, obsidian biface midsection, 2 obsidian biface medial fragments, obsidian biface base fragment, obsidian biface fragment, bimarginal obsidian thumbnail scraper, gray chert perforator/punch or expedient drill, obsidian Pinto projectile point, early-stage obsidian biface fragment. Early Archaic period to Haiwee period (10,000 BP to 610 BP).
SWCA-L030-1023	LADWP	499 flakes (obsidian, basalt, chert, jasper, quartzite, chalcedony), 4 core fragments, core, 8 obsidian bifaces, 4 projectile points (including complete Rose Spring Corner-Notched basalt projectile point, obsidian Pinto projectile point base, basal portion of a basalt Great Basin Stemmed), 2 scrapers. Paleoindian to Early Archaic periods (ca. 14,000 to 4000 BP) to Haiwee period (1280 to 610 cal BP).
SWCA-L030-1024	LADWP	531 flakes (obsidian, chert, jasper, basalt, chalcedony), obsidian projectile point tip and midsection, five obsidian biface fragments, unifacial obsidian thumbnail scraper, two obsidian edge-modified flake, unifacial and bimarginally modified white chert scraper. Marana period (610 cal BP to historic contact).
P-14-014243/CA-INY-010674/ SWCA-L030-1025	LADWP	Two lithic scatters, three ceramic scatters. Owens Valley Brown Ware (n=41), 800+ pieces of debitage (rhyolite, basalt, obsidian, chert, metavolcanic), triangular biface base, biface tip. Marana period (610 cal BP to historic contact).
P-14-014244/CA-INY-010675/ SWCA-L030-1028	LADWP	Two lithic scatters, 300+ flakes (obsidian and butterscotch jasper), two chert edge modified flakes, metasedimentary core tool, two projectile points (one Rose Spring series), two fire-affected ceramic body sherds, two granite ground stone and metate fragments, granite mano. Haiwee and Marana periods (1280 BP to historic contact).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-014245/CA-INY-010676/ SWCA-L030-1030	LADWP	Two lithic scatters, ceramic scatter (brownware), ground stone scatter (granite, basalt, mica schist). 20,000+ flakes and tools, including projectile points and tips, a drill fragment, biface fragments, edge modified flakes, cores. Basalt cores (some utilized as expedient choppers). Early Archaic period (10,000 BP to historic contact).
P-14-014246/CA-INY-010677/ SWCA-L030-1031	LADWP	Lithic scatter, 293 lithic debitage pieces (jasper, obsidian, chalcedony, chert), lithic tools (including a core, edge-modified flake, reamer or drill, biface fragment, and one indeterminate), Owens Valley Brown Ware ceramic body sherd, three groundstone fragments (basalt, mica schist). Marana period (610 cal BP to historic contact).
P-14-014247/CA-INY-010678/ SWCA-L030-1032	LADWP	Two lithic scatters, yellow jasper single-reduction locus, freshwater mussel shell concentration. 1,000+ lithic debitage pieces (obsidian jasper, chert, basalt, quartzite), 22 bifaces and fragments, two edge modified flakes, eight projectile points, 5 cores, freshwater mussel shell, six flake tools, groundstone fragments, hammerstone, Owens Valley Brown Ware ceramic sherds, two abraders. Haiwee and Marana periods (1280 BP to historic contact).
SWCA-L030-1034	LADWP	200 artifacts including 150+ flakes (obsidian, chert, jasper, chalcedony, basalt), two cores, a scraper, and four obsidian bifaces/biface fragments.
SWCA-L030-1035	LADWP	Two lithic concentrations. Approximately 1,000-2,0000 lithic debitage pieces (mostly obsidian, then jasper, chert, basalt, rhyolite), two edge-modified flakes, two scrapers, two bifaces/biface fragments, two projectile points (Elko Corner-Notched, one ovate). Middle Archaic/Newberry Period (between 3800 - 1280 BP).
P-14-014271/CA-INY-010681/ SWCA-L030-1038	LADWP	Lithic concentration, 4,000+ lithic debitage pieces (obsidian, chert, basalt, rhyolite, quartz, metavolcanic, metasedimentary), six bifaces/biface fragments, two edge-modified flakes, five projectile points/fragments (including Ros Spring Corner-Notched, two possible Pinto), flaked stone saw, one Owens Valley Brown Ware sherd. Early Archaic period (10,000 BP to historic contact).
SWCA-L030-1041	LADWP	800+ artifacts including 398 flakes (obsidian, chert, basalt, jasper), seven bifaces, two projectile points/fragments (possible Sierra Side-Notched point), edge-modified flake. Marana period (610 cal BP to historic contact).
P-14-014273/CA-INY-010683/ SWCA-L030-1043	LADWP	Two lithic scatters, 500+ artifacts including 475 lithic debitage pieces (obsidian, jasper, chert, basalt, quartzite), 14 obsidian biface fragments, five Owens Valley Brown Ware sherds, five edge-modified flakes, core fragment, mano, two projectile points (triangular, possible Rose Spring Corner-Notched). Haiwee and Marana periods (1600 BP to historic contact).
SWCA-L030-1044	LADWP	Obsidian Elko Corner-Notched projectile point proximal fragment, 10 pieces of debitage (basalt, chert, obsidian). Middle Archaic/Newberry period (3800 to 1280 cal BP).
SWCA-L030-1045	LADWP	Leaf-shaped expedient obsidian projectile point base and midsection.
SWCA-L030-1046	LADWP	Biface fragment.
P-14-014277/CA-INY-010687/ SWCA-L030-1047	LADWP	Approximately 1,000 artifacts, including lithic debitage, granite metate, mica schist fragments, groundstone fragments, 15 Owens Valley Brown Ware sherds, nine flaked stone tools/fragments. Marana periods (610 BP to historic contact).
P-14-014278/CA-INY-010688/ SWCA-L030-1048	LADWP	Midden soil deposit, 4,000+ artifacts, 37 Owens Valley Brown Ware ceramic sherds, projectile point base fragment (possible Rose Spring Corner-Notched), 13 biface fragments, edge-modified flake, three ground stone fragments, mano, four beads (Olivella, steatite disk), bone (fire-/non-fire-affected). Protohistoric cobalt hexagonal bead fragment, kaolin clay pipe stem. Haiwee period (1280 cal BP to historic contact).
P-14-014279/CA-INY-010689/ SWCA-L030-1049	LADWP	Two Owens Valley Brown Ware, two obsidian tertiary flakes, one obsidian secondary flake.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-014311/CA-INY-010690/ SWCA-L030-1050	LADWP	Ceramic scatter, 300+ lithic debitage pieces (obsidian, chert, jasper, basalt, quartzite), four obsidian biface fragments, obsidian edge-modified tertiary flake, obsidian projectile point tip, , 35 Owens Valley Brown Ware ceramic body sherds with a quartz temper. Precontact dating: Marana period (610 cal BP to historic contact).
P-14-014312/CA-INY-010691/ SWCA-L030-1056	LADWP	Habitation site, ash deposit. 200+ lithic debitage pieces (obsidian, basalt, jasper, chert), bifaces, projectile point fragments, groundstone fragments (including metate fragments and a mano), Owens Valley Brown Ware ceramic sherds (some decorative), and burned faunal bones. Marana period (610 cal BP to historic contact). Notes: Human burials present.
P-14-014313/CA-INY-010692/ SWCA-L030-1056B	LADWP	Habitation site. Fire-affected rock clusters/Concentrations, freshwater mussel shells, flakes, retouched flake tools, bifaces/fragments, projectile points/fragments (one is Sierra Side-Notched, another is Cottonwood Triangular), ground stone (including metate fragments, possible comal fragments), two manos, Owens Valley Brown Ware ceramic sherds (some decorative), and burned faunal bones. Marana period (610 cal BP to historic contact). Notes: Human burials present.
SWCA-L030-1058	BLM Ridgecrest FO	Approximately 50 obsidian flakes.
SWCA-L030-1131	Private	18 obsidian flakes, biface midsection that exhibits weathering.
SWCA-L030-1136	Private; DOD NAWS China Lake	Twenty-four lithic flakes (obsidian, chalcedony, chert, jasper, quartzite).
P-14-014531/CA-INY-010840/ SWCA-L030-12035	BLM Ridgecrest FO	Two petroglyph features.
SWCA-L030-1258	Private; LADWP	Fourteen obsidian flakes, one CCS flake.
SWCA-L030-1267	LADWP	Nine lithic scatters. 1000-plus pieces of obsidian debitage, 4 obsidian bifaces, 2 obsidian edge-modified flakes.
SWCA-L030-1271	LADWP	Seventeen obsidian flakes, CCS flake.
P-14-014325/CA-INY-010700/ SWCA-L030-1283	Private	Obsidian flake, biface fragments, and edge-modified flake. Haiwee Period (1280 – 610 cal BP).
P-14-014326/CA-INY-010701/ SWCA-L030-1285	Private	Lithic scatter of 39 obsidian flakes.
SWCA-L030-1295	Private	Obsidian biface fragment, dark gray tertiary basalt flake fragment.
P-14-014333/CA-INY-010708/ SWCA-L030-1307	Private	Obsidian edge-modified flake, 38 obsidian flakes.
SWCA-L030-15000	SCE; LADWP	Nine obsidian flakes, obsidian biface (possible projectile point fragment).
P-14-014534/CA-INY-010843/ SWCA-L030-15068	BLM Bishop FO	Twenty-four lithic flakes (obsidian, chert, basalt), two granite manos.
P-14-014335/CA-INY-010710/ SWCA-L030-1590	LADWP	Three ceramic scatters, basalt bedrock grinding slick. 208 pieces of debitage (obsidian, basalt, jasper, chert, chalcedony, mica schist), 37 Owens Valley Brown Ware body sherds, obsidian distal biface fragment, 2 obsidian scrapers, obsidian biface lateral margin, basalt mano fragment, mica schist ground stone fragment. Marana period (610 cal BP to historic contact).
P-14-014336/CA-INY-010711/ SWCA-L030-1594	BLM Bishop FO	Two isolated obsidian flakes, one biface fragment.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-014337/CA-INY-010712/ SWCA-L030-1673	BLM Bishop FO	Two lithic sample areas contained two projectile points (possibly Great Basin Stemmed), obsidian scraper, ceramic rim sherd, obsidian biface fragment and an estimated 1,000+ pieces of obsidian debitage. Paleoindian to Marana period (ca. 14,000 BP to historic contact).
P-14-014338/CA-INY-010713/ SWCA-L030-1676	BLM Bishop FO	Isolated obsidian projectile point fragment, one flake.
P-14-014339/CA-INY-010714/ SWCA-L030-1677	BLM Bishop FO	Lanceolate-shaped obsidian projectile point, obsidian edge-modified flake, unifacial chert core tool. Early Archaic (ca. 10,000 to 4000 BP).
P-14-014405/CA-INY-010719/ SWCA-L030-1700	BLM Bishop FO	135 Owens Valley Brown Ware sherds, three obsidian biface fragments, obsidian Desert Side-Notched projectile point, 18 obsidian flakes, chert flake. Marana period (610 cal BP to historic contact).
SWCA-L030-1707	BLM Bishop FO	Edge-modified obsidian flake tool, 2 obsidian flakes.
P-14-014411/CA-INY-010725/ SWCA-L030-2658	LADWP	Two lithic scatters, ceramic scatters. 4,000+ lithic debitage pieces (obsidian, jasper, chert, rhyolite, quartzite, basalt, chalcedony, metavolcanic, metasedimentary), 15 bifaces/fragments, four projectile point fragments (possible Pinto), three edge-modified flakes, five Owens Valley Brown Ware ceramic body sherds, core, and a unifacial scraper. Early Archaic to Marana period (10,000 BP to historic contact).
P-14-014412/CA-INY-010726/ SWCA-L030-3560	LADWP	Two lithic scatters. 4 ground stone fragments, biface fragments, obsidian edge-modified tertiary flake, obsidian Elko Corner-Notched point base/ear fragment, obsidian Gypsum Contracting Stem corner-notched point base/lower midsection, 222 obsidian flakes, yellow jasper flake. Single obsidian hydration date of 2683 BP; Early Archaic/Little Lake phase to Middle Archaic/Newberry period (11,000 to 1280 cal BP).
P-14-014415/CA-INY-010729/ SWCA-L030-4370	LADWP	Dimensions: 432 m (NW-SE) × 265 m (NE-SW) Precontact features: 3 granitic boulder rock rings, 3 bedrock milling stations. 14 obsidian flakes, obsidian projectile point. Marana period (610 cal BP to historic contact).
P-14-014422/CA-INY-010731/ SWCA-L030-4376	LADWP; County of Inyo	Thirty-six lithic debitage pieces, granite unifacial mano fragment.
P-14-014423/CA-INY-010732/ SWCA-L030-4383	LADWP; Private	Three bedrock milling slicks on granitic boulders.
SWCA-L030-4385	LADWP	Obsidian manuport, obsidian tertiary flake.
P-14-014427/CA-INY-010736/ SWCA-L030-4391	LADWP	Possible hunting blind. 85 flakes (obsidian, chert, quartzite), 2 obsidian biface fragments, unmodified obsidian manuport. Obsidian hydration dates range from 9275–3529 BP Middle Archaic/Newberry period (11,000 to 1280 cal BP).
P-14-014429/CA-INY-010738/ SWCA-L030-4397	LADWP; BLM Bishop FO	Seventy-eight pieces of obsidian debitage, 2 possible obsidian cores, obsidian projectile point. Elko Side-notched point dates to 3800–1280 BP Middle Archaic/Newberry period (11,000 to 1280 cal BP). No obsidian hydration data was returned.
SWCA-L030-4399	LADWP	Obsidian biface fragment, 87 pieces of obsidian and chert debitage.
P-14-014433/CA-INY-010742/ SWCA-L030-4403	LADWP	Twenty-two pieces of obsidian and chert debitage, Pinto-type projectile point base. early Archaic/Little Lake Phase (ca. 10,000 to 4000 BP); Rose Spring point dates to 1500–700 BP, Gypsum Cave point dates to 4000–2800 BP; Obsidian hydration analysis range from 7534–905 BP.
SWCA-L030-4408	LADWP	Lithic sample area. Estimated over 2,000 flakes, primarily obsidian. Obsidian biface fragment, 3 obsidian medial biface fragments, obsidian projectile point tip, obsidian projectile point base (possibly from Pinto point), obsidian biface base fragment, obsidian projectile point fragment, obsidian biface with diagonal flaking pattern on both faces, obsidian leaf-shaped biface. Early Archaic period/Little Lake phase (ca. 10,000 to 4000 BP).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-014435/CA-INY-010744/ SWCA-L030-4414	LADWP	Dimensions: 354 m (E-W) × 163 m (N-S). Ceramic sherd, 4 flaked stone tools, obsidian projectile point midsection, obsidian biface, chert core fragment, obsidian edge-modified flake, 8 flakes (obsidian, chert). Marana period (610 cal BP to historic contact).
P-14-014436/CA-INY-010745/ SWCA-L030-4415	LADWP	Eighty-seven lithic flakes (primarily obsidian), two Owens Valley Brown Ware ceramic body sherds, granitic fire-affected rock, obsidian preform. Middle Archaic/Newberry period (11,000 to 1280 cal BP) and Marana period (610 cal BP to historic contact); Obsidian hydration dates range from 6486–628 BP.
SWCA-L030-4416	LADWP	Twenty-six lithic flakes of obsidian and chert, 2 obsidian edge-modified flakes.
SWCA-L030-4436	LADWP	Fifty-five obsidian flakes, Borax Lake Cluster point, projectile point, biface. Early Archaic period/Little Lake phase (ca. 8000 to 5000 BP).
SWCA-L030-5476	LADWP	Lithic scatter consisting of 122 obsidian flakes.
P-14-014452/CA-INY-010761/ SWCA-L030-5479	LADWP	Two lithic scatters. 1000+ flakes (obsidian, chert, jasper, chalcedony), 20 obsidian biface fragments, 5 obsidian edge-modified flakes, obsidian projectile point fragments (including possible Cottonwood point), complete obsidian projectile point, obsidian core, basalt cobble fragment with a rounded edge and possible very light grinding, granite mano, fragment of ground mica schist. Marana period (610 cal BP to historic contact).
P-14-014455/CA-INY-010764/ SWCA-L030-5489	BLM Bishop FO	Eighty-eight 88 obsidian flakes, 2 ground stone fragments, stem of weak-shouldered obsidian projectile point (possibly Great Basin Stemmed Cluster), edge-modified flake. Paleoindian period (14,000 to 11,500 cal BP).
P-14-014456/CA-INY-010765/ SWCA-L030-5490	LADWP; BLM Bishop FO	Fifty-seven flakes (obsidian, jasper), obsidian convex base projectile point, obsidian core, unifacial basalt metate, obsidian tertiary flake with wear, two obsidian bifaces/fragments.
SWCA-L030-5491	BLM Bishop FO	Thirteen obsidian flakes, including obsidian edge-modified flake.
SWCA-L030-5495	BLM Bishop FO	Sixteen flakes (obsidian, chert; edge-modified obsidian flake included).
SWCA-L030-5496	BLM Bishop FO	Eighty-nine obsidian flakes, 3 obsidian biface fragments, obsidian projectile point base fragment.
SWCA-L030-5498	BLM Bishop FO	Fourteen obsidian debitage pieces, obsidian biface fragment.
P-14-014462/SWCA-L030-5502	BLM Bishop FO	Fifty-two obsidian flakes, two gray chert flakes, basalt metate fragment.
P-14-014463/SWCA-L030-5504	BLM Bishop FO	Basalt rock ring. 160 obsidian flakes, two mano fragments, granite metate fragment, indeterminate obsidian biface, chert tool (possibly a drill), primarily unifacially worked flake. Marana period (610 cal BP to historic contact).
P-14-014464/SWCA-L030-5505	LADWP; BLM Bishop FO	Ceramic scatter. 268 flakes (obsidian, chert), bifacial granite mano, two biface fragments, and 28 brown ware sherds. Marana period (610 cal BP to historic contact).
P-14-014465/SWCA-L030-5506	LADWP; BLM Bishop FO	517 pieces of obsidian and white chert debitage, three projectile point fragments (two possible Rose Spring Corner-Notched), obsidian biface fragment, obsidian edge-modified tertiary flake. Haiwee Period (1280 – 610 cal BP).
P-14-014466/SWCA-L030-5509	LADWP	Forty-four obsidian flakes, obsidian biface preform, obsidian corner-notched projectile point base fragment.
P-14-014467/SWCA-L030-5513	BLM Bishop FO	Ten rock-enclosed house pits, five earthen depressions infilled with basalt cobbles, possible windbreak/work area, concentration of Owens Valley Brown Ware. 126 flakes (primarily obsidian), four Owens Valley Brown Ware sherds, two biface fragments, two edge-modified flakes, two projectile point fragments, core/hammer stone, eight ground stone fragments (including metate and comal). Marana period (610 cal BP to historic contact).
P-14-014469/CA-INY-010778/ SWCA-L030-5517	LADWP; BLM Bishop FO	Three lithic scatters, basalt outcrop with 2 bedrock mortars. 500-plus pieces of debitage (obsidian, chert), flaked stone tools, a Gatecliff-style projectile point, battered stone, ground stone, and ceramics. Early Archaic period/Little Lake Phase to Middle Archaic/Newberry period (5000 to 3000 cal BP).

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-014471/CA-INY-010780/ SWCA-L030-5519	LADWP	Eleven bedrock milling features. 161 obsidian flakes, 36 chert flakes, 8 Owens Valley Brown Ware body sherds, 4 manos, 3 metate fragments, 4 edge-modified flakes, Rose Springs stemmed obsidian projectile point, biface fragment, 4 blue hexagonal glass trade beads. Haiwee and Marana periods (1280 cal BP to historic contact).
P-14-014472/CA-INY-010781/ SWCA-L030-5520	LADWP, County of Inyo	Owens Valley Brown Ware scatter, six granite bedrock milling stations, and three rock enclosures that may be rock-lined house pits, lithic sample area. 206 flakes (obsidian, chert, chalcedony, basalt), one projectile point fragment, one biface preform, three biface fragments, six edge-modified flakes, and two battered stones. Marana period (610 cal BP to historic contact).
P-14-014473/CA-INY-010782/ SWCA-L030-5522	LADWP	Unifacial micaceous schist metate fragment with use wear on one surface and a well-developed basin, obsidian edge-modified secondary flake with edge damage on both lateral margins. Protohistoric cobalt blue glass hexagonal tube bead (1700 to 1850).
SWCA-L030-5524	LADWP; Private	Dimensions: 416 m (NE-SW) × 256 m (NW-SE). Two obsidian projectile point fragments.
P-14-014666/CA-INY-010922/ SWCA-L030-6000	SCE	Bedrock milling station. Granite mano, granodiorite metate fragment, two projectile points/fragments (Pinto, Great Basin Stemmed–style), unifacial tool fragment, edge-modified flake, 79 flakes (primarily obsidian with metasedimentary and basalt). Paleoindian period to the Early Archaic period/ Little Lake Phase (14,000 to 8000 cal BP).
SWCA-L030-6001	SCE	Obsidian Gypsum projectile point base fragment, nine obsidian debitage pieces. Early Archaic period/Little Lake phase (approximately 4000 to 1800 cal BP).
P-14-014490/CA-INY-010799/ SWCA-L030-6350	DOD NAWS China Lake	Approximately 100 lithic artifacts including debitage, biface thinning flakes, and a lanceolate-shaped projectile point (possibly Desert Side Notched). Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), Marana Period (610 BP to contact).
P-14-014491/CA-INY-010800/ SWCA-L030-6352	DOD NAWS China Lake	Lithic scatter (possible single-reduction locus). Obsidian edge-modified flake, 15 flakes, two obsidian biface fragments. Middle Archaic/Newberry Period (3800 to 1280 BP), Haiwee Period (1280 to 610 BP), and Marana Period (610 BP to contact).
P-14-014492/CA-INY-010801/ SWCA-L030-6356	Private; DOD NAWS China Lake	Fifteen tertiary flakes.
P-14-014493/CA-INY-010802/ SWCA-L030-6359	DOD NAWS China Lake	Seven obsidian flakes, obsidian biface fragment, obsidian biface stem fragment from an indeterminate tool.
P-14-014494/CA-INY-010803/ SWCA-L030-6363	BLM Ridgecrest FO	25 bedrock milling features, hearth. Approximately 30 tertiary obsidian flakes, granite bifacial hand stone with pecking marks (possible pestle), basalt unifacial mano, battered basalt hand stone with pecking scars on both ends, fine-grained basalt bifacial mano fragment.
P-14-014495/CA-INY-010804/ SWCA-L030-6365	Private	Rockshelter, three bedrock milling features, and an artifact scatter of lithic debitage, ceramic sherds, and ground stone. 104 flakes (obsidian, chert, jasper, chalcedony), unifacial sandstone mano, unifacial granite mano, plain brown ware ceramic body sherd with mica temper, edge-modified obsidian flake. Marana period (610 cal BP to historic contact).
P-14-014496/CA-INY-010805/ SWCA-L030-6366	DOD NAWS China Lake	Twenty-five lithic flakes (obsidian, chalcedony), including two obsidian edge-modified flakes, and an obsidian bifacial thinning flake modified and utilized along two edges. Archaic/Newberry Period (3800 to 1280 BP), latter part of the Haiwee Period (1280 to 610 BP).
SWCA-L030-6367	Private; DOD NAWS China Lake	Eighteen obsidian tertiary flakes.
P-14-014499/CA-INY-010808/ SWCA-L030-6370	BLM Ridgecrest FO	One fire-affected rock concentration. 42 obsidian flakes, two edge-modified obsidian flakes. Early Middle Archaic/Newberry Period (1692 and 2118 BP).
SWCA-L030-6373	BLM Ridgecrest FO	Eight early-stage reduction obsidian flakes, 2 edge-modified flakes.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
P-14-014506/CA-INY-010815/ SWCA-L030-6389	BLM Ridgecrest FO	Bedrock milling feature. Two tertiary obsidian flakes.
SWCA-L030-6396	BLM Ridgecrest FO	Fifty-two obsidian tertiary flakes, one quartzite secondary flake, proximal portion of an obsidian biface, distal portion of an obsidian biface, obsidian edge-modified flake.
P-14-014509/CA-INY-010818/ SWCA-L030-6397	BLM Ridgecrest FO	Thirty-five obsidian tertiary flakes, obsidian edge-modified flake, obsidian biface fragment, granitic metate fragment, obsidian biface midsection, Elko Corner-Notched obsidian projectile point, vesicular basalt metate/basin broken into three pieces. Middle Archaic/Newberry period (3800 to 1280 cal BP).
P-14-014510/CA-INY-010819/ SWCA-L030-6399	BLM Ridgecrest FO	Lithic scatter. 182 obsidian tertiary flakes, granite metate ground stone with exfoliated surface, fire-affected basalt metate fragment that exhibits bifacial use wear, medial portion of an obsidian late-stage biface fragment, chalcedony late-stage biface fragment missing distal portion.
P-14-014512/CA-INY-010821/ SWCA-L030-6401	BLM Ridgecrest FO	Milling slick. Four tertiary obsidian flakes.
P-14-014513/CA-INY-010822/ SWCA-L030-6402	DOD NAWS China Lake; BLM Ridgecrest FO	Three basalt milling features. Four tertiary obsidian flakes.
SWCA-L030-6413	BLM Ridgecrest FO	Five obsidian tertiary flakes, edge-modified obsidian flake.
SWCA-L030-6416	BLM Ridgecrest FO	Two tertiary obsidian flakes, projectile point fragment.
SWCA-L030-6418	BLM Ridgecrest FO	Twenty obsidian tertiary flakes, two edge-modified flakes.
P-14-014520/CA-INY-010829/ SWCA-L030-6419	BLM Ridgecrest FO	Eight edge-modified flakes, two projectile points, and two biface fragments. Four Owens Valley Brown Ware sherds, 163 obsidian flakes. Latter part of the Middle Archaic/Newberry Period (3800-1280 cal BP), Haiwee Period (1280-610 cal BP), and Marana period (610 cal BP to historic contact).
P-14-014521/SWCA-L030-6420	BLM Ridgecrest FO	Two obsidian biface fragments.
SWCA-L030-6421	BLM Ridgecrest FO	312 obsidian flakes.
P-14-014525/CA-INY-010834/ SWCA-L030-6428	BLM Ridgecrest FO	221 flakes, obsidian biface worked along one edge, obsidian edge-modified flake worked bilaterally. Elko Corner-notched point Haiwee Period (1280-610 cal BP), Middle Archaic/Newberry Period (3800-1280 cal BP) though recent studies suggest that some Elko series points may have an earlier manifestation.
P-14-014526/CA-INY-010835/ SWCA-L030-6430	Private	Eleven obsidian flakes.
P-14-014527/CA-INY-010836/ SWCA-L030-6432	Private	529+ flakes, three obsidian biface fragments, four obsidian projectile points/fragments, two obsidian edge-modified flakes. Early Archaic period/ Little Lake Phase to Middle Archaic/Newberry period (10,000–1280 cal BP).
SWCA-L030-7591	BLM Ridgecrest FO	Single-reduction locus. 12 tertiary obsidian flakes.
P-14-014529/CA-INY-010838/ SWCA-L030-7677	BLM Bishop FO	Owens Valley Brown Ware ceramic scatter. Obsidian Desert Side-Notched, triangular projectile point with random flaking on both surfaces, obsidian bifacially worked thumbnail scraper. Owens Valley Brown Ware ceramic fragments, including 10 body sherds and one rim sherd with light, irregular incising on the exterior surface. Marana period (610 cal BP to historic contact).
SWCA-L030-7679	BLM Bishop FO	Three biface fragments (chalcedony, obsidian), chert core fragment, two obsidian flakes.

Res. #	Land Ownership	Precontact Site Description within the Owens Valley Landscape
SWCA-L030-7720	BLM Bishop FO	356 debitage fragments (obsidian, basalt, chert, jasper, rhyolite), four obsidian edge-modified flakes, three obsidian biface fragments, two obsidian biface base fragments, hammer stone, Pinto projectile point base and midsection. Early Archaic period/Little Lake phase (10,000 to 4000 cal BP). 68).
SWCA-L030-7736	LADWP	Lithic sample area. 1,000+ lithics, 97 flakes (obsidian, basalt, chert, chalcedony), two Rose Springs Corner-Notched projectile point fragments, and two ceramic Owens Valley Brown Ware body sherds. Haiwee and Marana periods (1280 cal BP to historic contact).
P-14-015413/CA-INY-011519/ SWCA-L030-S-62813	LADWP	Six Owens Valley Brown Ware ceramic body sherds, 19 obsidian flakes, one chert flake. Haiwee or Marana Periods (1280 cal to historic contact).
SWCA-L030-S-62819	LADWP	Obsidian lithic scatter of 44 tertiary flakes and five secondary flakes and one obsidian Humboldt projectile point base with concave base and oblique flake pattern. Middle Archaic/Newberry Period (3800 to 1280 cal BP).
P-14-015417/CA-INY-011523/ SWCA-TROW-S-003	LADWP	1,500 - 2,000 flakes (primarily obsidian, with chert metasedimentary, chalcedony, jasper), one projectile point or drill, five bifaces/fragments, scraper, edge-modified flake, two projectile points/fragments (one is Elko Cluster-notched), drill. Middle Archaic/Newberry Period (3800–1280 cal BP).
P-14-014081/CA-INY-010523/ SWCA-L030-1591	LADWP	Thirteen tertiary obsidian flakes,1 obsidian biface fragment, 33 precontact Owens Valley Brown Ware ceramic sherds. Haiwee or Marana Periods (1280 cal to historic contact).
P-14-014201/CA-INY-010636/ SWCA-TROW-S-002/SWCAL030-5480	LADWP	46 obsidian flakes. Previously recorded as an isolate consisting of an obsidian biface fragment with five obsidian flakes; biface not relocated.

CULTURAL RESOURCES DATA FOR ALTERNATIVES

Table Ap.5-9. Archaeological Resources: Crater Mountain Realignment Alternative

Res. #	Land Ownership	Age*	Resource Type	Crater Mountain Alternative: Site Descriptions	CPUC Eligibility Determination	Impact Description
170-99-23-S19	BLM Bishop FO, LADWP	Precontact with historic isolate	Precontact: Habitation area.	Forty-one petroglyph features, 4 milling station features, rockshelter, 4 rock ring features, 4 possible hunting blinds, ceramic scatter, 400+ lithic debitage (obsidian/chert), projectile points, drill, bifaces, scrapers, groundstone (manos/metates) Owens Valley Brown Ware, steatite gaming piece. Haiwee and Marana periods (1500 cal BP to Historic contact). Isolated historic-era bimetal pull-tab beverage can.	Precontact: Eligible under Criteria 1, 3 and 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
P-14-000392/ CA-INY-392	BLM Bishop FO, Private	Precontact	Precontact: Lithic concentration.	High-density lithic debitage concentration, surrounded by a low-density lithic scatter, 337+ obsidian flakes, obsidian biface preform fragment. Bedrock milling feature not relocated.	Precontact: Eligible under Criteria 1 and 4.	Existing access road will be improved and graded as needed.
P-14-002789/ CA-INY-2789	BLM Bishop FO, LADWP	Multi-component	Precontact: Multi-class artifact concentration.	Scatter with 162 obsidian flakes, 12 artifacts (biface fragments, biface preform, edge-modified flake, exhausted core, projectile point fragment [possible Rose Spring], ceramic sherds). Haiwee and Marana periods (1280 cal BP to historic contact). Historic Component: Rock-lined ditch (partially destroyed).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Existing access road will be improved and graded as needed.
P-14-005632/ CA-INY-5281	LADWP	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Lithic sample areas; 500+ flakes (obsidian/chert/jasper), 33 artifacts (biface fragments, metate fragments, cores, mano fragments, projectile points, Owens Valley Brown Ware). Haiwee and Marana periods (1280 cal BP to historic contact). Historic Component: 4 cans, 2 horseshoes. American Period (post-1904).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	One structure work area is within eight feet of site boundary. One pull site. Additional pull site is within 25 feet of site boundary. Existing access road will be improved and graded as needed.
P-14-011817/ CA-INY-9092	BLM Bishop FO	Precontact	Precontact: Habitation area.	Partially buried rock ring with 2 nearby obsidian flakes. Rock ring has characteristics of house ring features similar to those at an extensive nearby habitation site (P-14-011819).	Precontact: Eligible under Criteria 1 and 4.	No project components are within site boundary.
P-14-011819/ CA-INY-9094 (including P-14-012856 and P-14-012857/ P-14-013134)	BLM Bishop FO	Precontact	Precontact: Habitation area.	Thirty-two bedrock milling features, 3 house rings, rock-lined depression, faint depression, rock wall, 61 petroglyph panels, 100+ obsidian flakes, Rose Spring Corner-notched projectile point, unifacial metate, biface base fragment. Haiwee period (1,280 to 610 cal BP)	Precontact: Eligible under Criteria 1, 3 and 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed within 10 feet of the site.
SWCA-L030-S-60019	Private, unknown, and BLM Bishop FO	Precontact	Precontact: Lithic concentration.	Scatter with 497 flakes, 5 obsidian biface fragments, tested cobble, obsidian Desert Side-notched projectile point. Marana period (610 cal BP to historic contact).	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 25 feet of the site. No project components are within site boundary.

Res. #	Land Ownership	Age*	Resource Type	Crater Mountain Alternative: Site Descriptions	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-60021	Private, unknown and BLM Bishop FO	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Two rock rings (house rings) with eastward-facing entrances, Owens Valley Brown Ware, bifacial mano, 2 biface preforms, thousands of lithic artifacts (flaked stone tools/debitage, ground stone, ceramic sherds). Haiwee and Marana periods (1600 BP to historic contact). Historic Component: 3 sanitary cans, 25 sun-colored amethyst glass fragments. American Period, post-1890.	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	Install one new LWS monopole and associated work area. Existing access road will be improved and graded as needed.
SWCA-L030-S-60023	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 221 flakes (obsidian/chert/jasper), 24 artifacts (projectile point, manos, biface fragments, Owens Valley Brown Ware, glass bead). Haiwee and Marana periods (1600 BP to historic contact). Historic Component: Refuse scatter, 111 wire-cut nails/metal fragments, mason jar, 3 cans.	Precontact: Eligible under Criteria 1 and 4. Historic: Eligible under Criteria 1 and 4.	Existing access road will be improved and graded as needed within 6 feet of site boundary.
SWCA-L030-S-60039	LADWP	Precontact	Precontact: Lithic concentration.	Twenty obsidian flakes.	Precontact: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-60040	LADWP	Precontact with protohistoric isolate	Precontact: Multi-class artifact concentration.	Scatter with 21 obsidian flakes, chalcedony flake, 2 obsidian biface fragments, tested cobble. Protohistoric-era amber bottle base with flaking.	Precontact: Eligible under Criterion 4.	No project components occur within the site boundary.
SWCA-L030-S-60055	LADWP	Historic	Historic: Refuse and discard.	Approximately 30+ cans or can fragments, one colorless glass bottle and bottle base, 40 colorless glass fragments, six porcelain sherds. American Period (mid-nineteenth century to mid-twentieth century).	Historic: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-60059	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Two tested cobbles, 2 obsidian biface fragments, 15 obsidian/chert flakes, ceramic sherd (likely an Owens Valley Brown Ware). Haiwee and Marana periods (1600 BP to historic contact).	Precontact: Eligible under Criteria 1 and 4.	Pull site is within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60065	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 47 obsidian flakes, obsidian biface tip fragment. Isolated historic-era amber bottle base fragment. American Period (1930 - 1959).	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 30 feet of the site. No project components are within site boundary.
SWCA-L030-S-60069	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 53 obsidian flakes, 1 obsidian biface midsection.	Precontact: Eligible under Criteria 1 and 4.	No project components are within site boundary.
SWCA-L030-S-60071	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/farm/ ranch resource.	Scatter with 393 lithic debitage (various materials), mano, biface fragments, biface/preform, 2 Owens Valley Brown Ware sherds. Haiwee and Marana periods (1600 BP to historic contact). Historic Component: Refuse scatter, rock alignment feature, rock/concrete wall, concrete slab, barbed-wire fence, 550+ bottle/glass fragments, 114	Precontact: Eligible under Criteria 1 and 4. Historic: Eligible under Criteria 1 and 4.	Install one new LWS monopole and associated work area. Additional work area is within 25 feet of site boundary. Two existing access roads will be improved and graded as needed.

Res. #	Land Ownership	Age*	Resource Type	Crater Mountain Alternative: Site Descriptions	CPUC Eligibility Determination	Impact Description
				earthenware shards, 220 cans. American Perion (early to mid-twentieth century).		
SWCA-L030-S-60072	LADWP	Precontact	Precontact: Temporary camp.	Scatter with 221 flakes (chert/obsidian/chalcedony), chert biface fragment, fire-affected chert biface, 5 groundstones, 17 Owens Valley Brown Ware sherds. Haiwee and Marana periods (1600 BP to historic contact).	Precontact: Eligible under Criteria 1 and 4.	Existing access road will be improved and graded as needed.
SWCA-L030-S-60088	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Scatter with 2 manos, 2 cores, 111 lithic debitage, projectile point fragment (possibly Cottonwood), obsidian biface, obsidian drill, 5 Owens Valley Brown Ware sherds. Haiwee and Marana periods (1600 BP to historic contact). Historic Component: 1917 penny, 25 ceramic sherds, 111 glass fragments. American Period (mid-1800s - early 1900s).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60101	BLM Bishop FO	Precontact	Precontact: Lithic concentration.	Twenty-six obsidian flakes, obsidian core.	Precontact: Eligible under Criteria 1.	Existing access road will be improved and graded as needed
SWCA-L030-S-60106	BLM Bishop FO	Precontact	Precontact: Lithic concentration.	Eighty-eight flakes, two biface fragments.	Precontact: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-60128	LADWP	Precontact	Precontact: Lithic concentration.	Twenty-five obsidian flakes, early-stage biface.	Precontact: Eligible under Criterion 1.	No project components occur within the site boundary.
SWCA-L030-S-60130	LADWP	Historic	Historic: Refuse and discard.	Thirty-four cans, two complete glass jars with metal lids, one green glass bottle base, one aqua blue glass bottle base, and 11 additional glass bottle fragments. American Period (ca. 1931 to 1987).	Historic: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-61010	BLM Bishop FO, LADWP	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Bedrock milling feature, lithic sample areas, 276 obsidian flakes, 3 projectile point fragments, preform projectile point, 2 bifaces/fragments, obsidian scraper. Middle Archaic/Newberry period (3800 to 1280 cal BP). Historic Component: Refuse scatter, 155 cans, 166 glass fragments, 25 ceramic sherds. American Period (1820 - 1960s).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	Two existing access roads will be improved and graded as needed.
SWCA-L030-S-61013	BLM Bishop FO, LADWP	Precontact	Precontact: Residential base.	Bedrock milling feature, lithic sample areas, 39 lithic debitage, 16 artifacts including cores, seven biface fragments, projectile point fragment, ground stone fragments, metate preform.	Precontact: Eligible under Criteria 1 and 4.	Two structure work areas are within 30 feet of site boundary. Existing access road will be improved and graded as needed.
SWCA-L030-S-61021	LADWP	Precontact	Precontact: Bedrock milling station.	Three bedrock milling features, lithic sample areas, projectile point fragment, drill fragment, biface fragment, cobble/core tool, 29 obsidian flakes.	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 25 feet of the site. No project components are within site boundary.
SWCA-L030-S-61022	LADWP	Precontact	Precontact: Bedrock milling station.	Two bedrock milling features.	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 25 feet of the site. No project components are within site boundary.

Res. #	Land Ownership	Age*	Resource Type	Crater Mountain Alternative: Site Descriptions	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-61028	LADWP	Precontact	Precontact: Lithic concentration.	Lithic scatter, 15 flakes (obsidian, chert, jasper, basalt, chalcedony). Haiwee and Marana periods (1280 BP to historic contact).	Precontact: Eligible under Criterion 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-61031	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 2 Owens Valley Brown Ware ceramic sherds, 21 obsidian flakes. Haiwee and Marana periods (1280 BP to historic contact). Eight historic-era cans. American Period (1930s to 1960s).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
SWCA-L030-S-61033	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Scatter with 115 obsidian lithic debitage, obsidian tool, 3 Owens Valley Brown Ware sherds. Haiwee and Marana periods (1280 BP to historic contact).	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed.
SWCA-L030-S-61035	LADWP	Historic	Historic: Refuse and discard.	Approximately 75 glass shards, three glass bottle bases, bottle neck. 72 cans. American Period (1960s to early 1980s).	Historic: Ineligible.	Existing access road will be improved and graded as needed.
SWCA-L030-S-61036	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 56 obsidian lithic debitage.	Precontact: Eligible under Criterion 4.	No project components are within site boundary. Existing access road will be improved and graded as needed within seven feet of site boundary.
SWCA-L030-S-61040	LADWP	Precontact with protohistoric isolate	Precontact: Temporary camp.	Possible rockshelter, obsidian flake, chert flake. Protohistoric-era hexagonal blue glass trade bead. American Period (A.D. 1700 and 1850).	Precontact: Eligible under Criterion 4.	No project components occur within the site boundary.
SWCA-L030-S-61055	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 108 lithic debitage (obsidian/chert), 2 manos, Olivella shell wall bead, 35 Owens Valley Brown Ware sherds. Haiwee and Marana periods (1280 BP to historic contact). Historic Component: can, 2 pennies (1896, 1946), square-cut nail, glass marble, green glass bottle flake, 2 shotgun shells. American Period (1915 - 1930, with 1896 and 1946 deposits).	Precontact: Eligible under Criteria 1 and 4. Historic: Eligible under Criteria 1 and 4.	Install one LWS monopole and associated work area. Existing access road will be improved and graded as needed. Additional access road is within 15 feet of site boundary.
SWCA-L030-S-61060	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Eight obsidian flakes, and one invertebrate shell fragment.	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed.
SWCA-L030-S-61063	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 220 obsidian/chert flakes, 8 artifacts: projectile points, groundstone artifact, mano, Owens Valley Brown Ware sherd, Olivella shell bead. Haiwee and Marana periods (1280 BP to historic contact). Historic Component: Forty-one artifacts including cans, glass fragments, 12-gauge shotgun shells/.22 caliber shell, bullet projectile, metal button. American Period (1770 - 1850s).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	One pull site, one guard site, and one structure work area. Existing access road will be improved and graded as needed.

Res. #	Land Ownership	Age*	Resource Type	Crater Mountain Alternative: Site Descriptions	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-61067	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 11 Owens Valley Brown Ware sherds, 7 lithic debitage, biface, projectile point, mano fragment. Haiwee and Marana periods (1280 BP to historic contact). Historic Component: Three Ajax 12-gauge shotgun shell bases (mfg. 1864, 1926), crushed can. American Period (1864 - 1926).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	One guard site.
SWCA-L030-S-61070	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Scatter with 1 obsidian corner-notched projectile point fragment (possibly Rose Spring type), 1 Owens Valley Brown Ware ceramic potsherd, 1 obsidian biface fragment, and 30 pieces of lithic debitage. Haiwee period (1280 to 610 cal BP).	Precontact: Eligible under Criterion 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-61072	BLM Bishop FO	Precontact	Precontact: Temporary camp.	Basalt rock ring, groundstone concentration, 6 lithic sample areas containing 465 tertiary flakes, 89 secondary flakes, 19 primary flakes (obsidian, tan and red chert), 13 metate fragments, 3 mano fragments, obsidian Elko projectile point fragment, obsidian bifacial tool fragment, siltstone biface. Middle Archaic/Newberry period (3800 to 1280 cal BP).	Precontact: Eligible under Criteria 1 and 4.	No project components occur within the site boundary.
SWCA-L030-S-62000	BLM Bishop FO	Precontact	Precontact: Rock feature.	Three rock-lined depressions.	Precontact: Eligible under Criteria 1 and 4.	No project components occur within the site boundary.
SWCA-L030-S-62003	BLM Bishop FO	Precontact	Precontact: Habitation area.	Seven house rings, one smaller rock-lined ring, a possible hunting blind, three bedrock milling features, a concentration of eight basalt and granite metate fragments, two granite mano fragments, and a possible living surface or work area. Artifacts include chopper, biface fragment, two ground stone fragments, nine Owens Valley Brown Ware body sherds, 45 fragments of obsidian debitage. Haiwee and Marana periods (1280 BP to historic contact).	Precontact: Eligible under Criteria 1 and 4.	No project components occur within the site boundary.
SWCA-L030-S-62007	BLM Bishop FO	Precontact	Precontact: Residential base.	Basalt-lined house ring. Precontact artifacts: 266 fragments of obsidian debitage, obsidian bifacial scraper.	Precontact: Eligible under Criteria 1 and 4.	No project components occur within the site boundary.
SWCA-L030-S-62009	BLM Bishop FO	Precontact	Precontact: Multi-class artifact concentration.	Lithic scatter. 138 obsidian tertiary flakes and seven secondary flakes, one granitic bifacial metate fragment.	Precontact: Eligible under Criterion 1.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62018	BLM Bishop FO	Precontact	Precontact: Lithic concentration.	Scatter with 35 obsidian flakes, edge-modified obsidian flake, obsidian biface.	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
SWCA-L030-S-62025	BLM Bishop FO	Precontact	Precontact: Multi-class artifact concentration.	Scatter with 10 obsidian flakes, 3 biface fragments, unifacial mano.	Precontact: Eligible under Criterion 4.	One structure work area.

Res. #	Land Ownership	Age*	Resource Type	Crater Mountain Alternative: Site Descriptions	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-62029	BLM Bishop FO, LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 39 obsidian flakes, 2 biface fragments. Isolated historic-era quart-sized oil can.	Precontact: Eligible under Criterion 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62030	BLM Bishop FO, LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 331 lithic debitage, 2 bifaces, projectile point, pumice abrader. Haiwee period (1,280 to 610 cal BP). Historic Component: glass bottle base, 5 cans. American Period (post-1969).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62031	BLM Bishop FO	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 30 obsidian lithic debitage, 8 artifacts: biface fragments, projectile point fragments, edge-modified flakes, groundstone fragment. Early Archaic period/Little Lake Phase to Middle Archaic/Newberry period (5000 to 3000 cal BP). Isolated historic-era glass liquor bottle base fragment.	Precontact: Eligible under Criterion 4.	One structure work area.
SWCA-L030-S-62034	BLM Bishop FO, LADWP	Multi-component	Precontact: Residential base. Historic: Water infrastructure resource.	Three bedrock milling features, ceramic scatter, 38 Owens Valley Brown Ware sherds, 2 manos, 11 biface fragments, projectile point, 1,200+ flakes. Middle to Late Holocene Gypsum Complex (4000–1000 cal BP), Haiwee and Marana periods (1280 BP to historic contact). Historic Component: Thirteen mechanically excavated water conveyance ditches, 2 cans, 12-gauge shotgun shell. American Period (1896 - 1970).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
SWCA-L030-S-62038	LADWP	Precontact	Precontact: Residential base.	Four ceramic scatters; scatter with 800 - 1,000 lithic debitage fragments, various materials), 139 Owens Valley Brown Ware sherds, slate knife, projectile point, 8 bifaces, 2 FAR, 19 groundstone/metate/mano fragments. Haiwee and Marana periods (1280 BP to historic contact).	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 25 feet of the site. Existing access road will be improved and graded as needed.
SWCA-L030-S-62042	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 52 lithic debitage (obsidian/chert/ metavolcanic), mano fragment, projectile point fragment, edge-modified flake, core, 4 Owens Valley Brown Ware sherds (one burnt). Haiwee and Marana periods (1280 BP to historic contact). Isolated historic-era can.	Precontact: Eligible under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road.
SWCA-L030-S-62044	LADWP	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Four steatite/Olivella shell beads, 84 Owens Valley Brown Ware sherds, 364 lithic debitage (various materials), 4 faunal bones (2 fire-affected), 18 bifaces, edge-modified flake, 9 groundstone/metate/mano fragments. Marana period (610 cal BP to historic contact). Historic Component: Thirty-one cans, bucket, shotgun shell. American Period (1920 - 1960s).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	Install one new TSP monopole, associated work area, overhead subtransmission line and one new access road.

Table Ap.5-10. Archaeological Resources: Manzanar Realignment Alternative

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
P-14-000420/ CA-INY-420	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Lithic scatter with 6 artifacts, a green chert flake core, 6 shell fragments, and 2 animal bone fragments. Historic Component: Glass scatter with 11 sun-colored amethyst fragments, 4 porcelain fragments, 2 square nails.	Precontact: Eligible under Criterion 4. Historic: Eligible under Criterion 4.	One structure work area is within 10 feet of the site boundary. An additional structure work area is within 30 feet of site boundary. No project components are located within site boundaries.
P-14-000422/ CA-INY-422	LADWP	Precontact	Precontact: Lithic concentration	Scatter with chert core, 110 lithic flakes/shatter (all various materials).	Precontact: Eligible under Criterion 4.	One structure work area and one new access road. Existing access road will be improved and graded as needed.
P-14-002787/ CA-INY-2787	LADWP	Precontact with historic isolate	Precontact: Lithic concentration	Scatter with multidirectional core fragment, edge-modified flake, 82 lithic flakes/shatter (all various materials). Isolated historic-era horseshoe with square nails.	Precontact: Eligible under Criterion 4.	One new access road will be constructed. Existing access road will be improved and graded as needed.
P-14-002788/ CA-INY-2788	LADWP	Precontact	Precontact: Lithic concentration	Scatter with multidirectional core, 54 lithic flakes/shatter (various materials).	Precontact: Eligible under Criterion 4.	One structure work area is within 25 feet of site boundary. Existing access road will be improved and graded as needed.
P-14-003383/ CA-INY-3383	LADWP	Precontact	Precontact: Lithic concentration	Scatter with edge-modified flake, 30 lithic flakes/shatter (various materials).	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed. An additional existing access road is within 30 feet of site boundary.
P-14-003404/ CA-INY-3404	LADWP	Historic	Historic: Exploration and transportation resource, Refuse and discard	Railroad grade. Nine cans.	Historic: Ineligible.	Two structure work areas, construction of one new unpaved access road, and the use and maintenance of an existing access road.
P-14-004589/ CA-INY-4589	LADWP	Multi-component	Precontact: Lithic concentration Historic: Water infrastructure resource.	Scatter with flake core, 21 lithic flakes/shatter (various materials). Historic Component: Two segments of irrigation ditch.	Precontact: Eligible under Criterion 4. Historic: Eligible under Criterion 4.	Install one new LWS monopole and associated work area. Existing access road will be improved and graded as needed.
P-14-010966/ CA-INY-8396	LADWP	Precontact with historic isolate	Precontact: Lithic concentration	Scatter with 261 lithic flakes/shatter (obsidian/basalt/chert/ quartzite). Two isolated historic-era cans.	Precontact: Eligible under Criterion 4.	One structure work area.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
P-14-012341/ CA-INY-9474	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration	Scatter with 4 lithic sample areas, projectile point fragment, 5 obsidian bifaces, 3 edge-modified flakes, 3 basalt cores, 4 scrapers, 1,139 lithic flakes/shatter (various materials), Owens Valley Brown Ware fragment. Marana period (610 cal BP to historic contact). Three isolated historic-era cans, one lid.	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
P-14-012346/ CA-INY-9479	LADWP	Precontact	Precontact: Lithic concentration	One unifacial chert scraper fragment, andesite unifacial scraper, andesite edge-modified flake, 20 obsidian core flakes, 6 chert core flakes, 5 basalt core flakes, 5 andesite core flakes, 3 chalcedony core flakes, 3 quartzite core flakes, 1 andesite biface-thinning flake, 4 pieces of shatter (obsidian, andesite, rhyolite).	Precontact: Ineligible.	No project components or elements are located within site boundaries.
P-14-012357/ CA-INY-9490	LADWP	Precontact	Precontact: Lithic concentration.	Eleven obsidian core flakes, chert core flake, 9 basalt core flakes, 3 andesite core flakes, 4 obsidian biface-thinning flakes, piece of basalt shatter.	Precontact: Ineligible.	No project components or elements are located within site boundaries.
P-14-012362/ CA-INY-9495	LADWP	Precontact	Precontact: Lithic concentration.	One obsidian core flake, two basalt core flakes, two andesite core flakes, chert core flake.	Precontact: Ineligible.	No project components or elements are located within site boundaries.
P-14-012382/ CA-INY-9515	LADWP	Precontact	Precontact: Temporary camp.	Two thermal features, Gypsum Cave projectile point, 6 lithic flakes (obsidian/basalt/rhyolite/jasper), 174 burned faunal bone fragments (medium-sized-mammal). Middle Archaic/Newberry period (3,800 to 1280 cal BP).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
P-14-012386/ CA-INY-9519 (includes P-14-012387 and P-14-012391)	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with Gypsum Cave projectile point, biface, 2 cores, 104 lithic flakes (various materials). Middle Archaic/Newberry period (3,800 to 1280 cal BP).	Precontact: Eligible under Criterion 4.	Install two new LWS monopoles, two associated work areas, and two new access roads. Existing access road will be improved and graded as needed.
P-14-012392/ CA-INY-9525	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 1 multidirectional core, 135 core flakes, 14 biface-thinning flakes, 13 pieces of shatter (basalt, obsidian, chert, andesite, jasper, chalcedony).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
P-14-012398/ CA-INY-9531	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with an edge-modified flake, 32 core flakes, 2 biface-thinning flakes, 2 pieces of shatter (basalt, obsidian, andesite, chalcedony, chert).	Precontact: Ineligible.	One pull site.
P-14-012399/ CA-INY-9532	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 4 scrapers, 127 lithic flakes/shatter (various materials).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
P-14-012438/ CA-INY-9570	LADWP	Precontact	Precontact: Multi-class artifact concentration.	One rhyolite thumbnail scraper, 21 obsidian core flakes, 4 chert core flakes, 2 basalt core flakes, 1 rhyolite core flake, 1 quartz core flake, 1 jasper core flake, 4 pieces of shatter (chert, rhyolite, basalt), medium-sized mammal bone fragment.	Precontact: Ineligible.	One structure work area.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
P-14-012637 (Includes P-14-012369 and P-14-012377)	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 3 flaked stone tools, flake core, 95 lithic flakes (various materials). Two isolated historic-era cans.	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
P-14-013144/ CA-INY-9891	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 1 Desert Side-notched projectile fragment, 4 biface fragments, 1 modified-flake fragment (basalt, obsidian, chert, jasper). Marana period (610 cal BP to historic contact).	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed within 15 feet of site boundary.
P-14-014240/ CA-INY-14240 (includes P-14-014241)	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Lithic scatter with 3 Projectile points/fragments, 7 bifaces/ fragments, 2 scrapers, 2 edge-modified flakes, core, 367 lithic flakes/shatter (various materials), 3 Owens Valley Brown Ware sherds. Marana period (610 cal BP to historic contact). Isolated historic-era LADWP survey marker and rotary-opened can.	Precontact: Eligible under Criterion 4.	Two pull sites, install two new LWS monopoles, two associated work areas, and one new access road. Two existing access roads will be improved and graded as needed.
SRI 1090	LADWP	Precontact	Precontact: Temporary camp.	Scatter with 166 lithic flakes/shatter (various materials), 15 lagomorph bone fragments, 16 burned Owens Valley Brown Ware sherds. Marana period (610 cal BP to historic contact).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
SRI 1103	LADWP	Precontact with historic isolate	Precontact: Temporary camp.	Scatter with Cottonwood Triangular projectile point, edge modified flake, 46 lithic flakes (various materials), FAR, 2 split drilled Olivella beads, 200 mollusk shell fragments. Late Precontact to Marana Period (900 BP – 150 BP). Isolated historic-era green-glass marble.	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed.
SRI 1163	LADWP	Precontact	Precontact: Temporary camp.	Seventy-seven core flakes (obsidian, chert, basalt, andesite, chalcedony, jasper, quartz), seven pieces of shatter (obsidian, quartz, chalcedony), andesite multidirectional core, 3 closed-basin granite metate fragments, basalt mano fragment, 18 pieces of fire-altered rock, 22 pieces of burned Owens Valley Buff Ware body sherds, 20 fragments of freshwater-mollusk shell.	Precontact: Eligible under Criterion 4.	No project components or elements are located within site boundaries.
SRI 1193	LADWP	Precontact	Precontact: Lithic concentration.	Two obsidian core flakes, 9 chert core flakes, 5 basalt core flakes, 1 jasper core flake, 1 rhyolite core flake, 11 chert biface-thinning flake, 2 jasper biface-thinning flakes, 5 pieces of shatter (obsidian, chert, basalt).	Precontact: Eligible under Criterion 4.	No project components or elements are located within site boundaries.
SRI 1213	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with Core flake, 31 lithic flakes (chert/chalcedony/basalt/ jasper/obsidian).	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SRI 1215	LADWP	Precontact	Precontact: Temporary camp.	Scatter with 2 projectile points, 18 FAR, 196 lithic flakes/shatter (various materials). 11 burned Owens Valley Brown Ware sherds. Marana period (610 cal BP to historic contact).	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed within 30 feet

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
						of site boundary. No project components are within site boundary.
SRI 3011	LADWP	Precontact	Precontact: Temporary camp.	Scatter with 4 projectile points/fragments, biface fragment, mano fragment, core, 37 FAR, 165 lithic flakes (various materials). Early Archaic to Marana period (10,000 BP to historic contact).	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SRI 3026	LADWP	Precontact	Precontact: Lithic concentration.	Obsidian side scraper, obsidian edge-modified flake, 7 obsidian core flakes, 2 chert core flakes, jasper core flake.	Precontact: Ineligible.	Two pull sites, one structure work area, and one LWS monopole installation.
SRI 3115	LADWP	Precontact	Precontact: Lithic concentration.	Ten obsidian core flakes, 1 basalt core flake, and 1 piece of obsidian shatter.	Precontact: Ineligible.	One pull site.
SRI 3166	LADWP	Precontact	Precontact: Lithic concentration.	Five obsidian core flakes, 7 chert core flakes, 3 basalt core flakes, 16 andesite core flakes, 12 pieces of andesite shatter.	Precontact: Ineligible.	No project components or elements are located within site boundaries.
SRI 3273	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 4 lithic flakes/shatter (chert/basalt), 14 Owens Valley Brown Ware sherds). Marana period (610 cal BP to historic contact). Two isolated historic-era barbed wire pieces.	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed within 15 feet of site boundary.
SRI 3289	LADWP	Precontact	Precontact: Lithic concentration.	One complete basalt multidirectional flake core, 6 obsidian core flakes, chert core flake, 4 basalt core flakes, 2 pieces of basalt shatter.	Precontact: Ineligible.	One structure work area is within 25 feet of site boundary.
SRI 3292	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 323 lithic flakes (various materials).	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SRI 4014	LADWP	Precontact	Precontact: Lithic concentration.	Obsidian edge-modified flake, 7 obsidian core flakes, 2 chert core flakes, basalt core flake, 4 andesite core flakes, 2 chalcedony core flakes, rhyolite core flake, 1 piece of obsidian shatter, piece of chalcedony shatter.	Precontact: Ineligible.	The use and maintenance of an existing unpaved access road.
SRI 4017	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with flake core, 42 lithic flakes/shatter. Isolated historic-era glass fragment and glass jar-base fragment.	Precontact: Eligible under Criterion 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
SRI 5036	LADWP	Precontact	Precontact: Lithic concentration.	Basalt flake core, 3 obsidian core flakes, 18 chert core flakes, 3 basalt core flakes, 4 pieces of chert shatter, piece of basalt shatter, piece of jasper shatter.	Precontact: Ineligible.	Use of and maintenance of an unpaved access road.
SRI 5091	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with Gypsum Cave projectile point, thumbnail scraper, 226 lithic flakes/shatter (various materials). Middle Archaic/Newberry period (3,800 to 1280 cal BP).	Precontact: Eligible under Criterion 4.	Two structure work areas within 25 feet of site boundary. Existing access road will be improved and graded as

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
						needed within 30 feet of site boundary. No project components are within site boundary.
SRI 6004	LADWP	Precontact	Precontact: Lithic concentration.	Basalt multidirectional core, 22 obsidian core flakes, 7 chert core flakes, 7 basalt core flakes, 5 andesite core flakes, 1 obsidian biface-thinning flake, 1 rhyolite biface-thinning flake, 5 pieces of obsidian shatter.	Precontact: Ineligible.	One structure work area.
SRI 6006	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Andesite biface, 3 obsidian core flakes, 2 chert core flakes, basalt core flake, jasper core flake, 2 obsidian biface-thinning flakes. Isolated historic-era can and can fragment.	Precontact: Ineligible.	No project components or elements are located within site boundaries.
SRI 7001	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Three clam shell fragments, red jasper core flake, Olivella shell bead, burnt faunal bones. Late Newberry and Haiwee Periods (1265–1,520 BP). Historic Component: Refuse scatter with glass fragments, cans and other household items.	Precontact: Eligible under Criterion 4. Historic: Eligible under Criterion 4.	Two structure work areas within 30 feet of site boundary. No project components are within site boundary.
SRI 7018	LADWP	Historic	Historic: Refuse and discard.	Six dark-olive glass fragments (with bubbles visible in fragments), two aqua-colored glass fragments, four amber-colored glass fragments, clamshell fragment, faunal-bone fragment.	Historic: Ineligible.	No project components or elements are located within site boundaries.
SRI 7023	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Scatter with 1 multidirectional core fragment, 1 uniface, 123 core flakes, 21 biface-thinning flakes, 27 pieces of shatter (obsidian, basalt, quartzite, chert, jasper). Historic Component: Four cans, lid and piece of scrap metal.	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Two structure work areas are within 25 feet of site boundary.
SRI 7200	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 2 obsidian biface-thinning flakes, 6 basalt core flakes, 2 chert core flakes, 23 obsidian core flakes, piece of andesite shatter.	Precontact: Ineligible.	One structure work area within 30 feet of site boundary. Existing access road will be graded and improved as needed within 15 feet of site boundary.
SRI 8003	LADWP	Historic	Historic: Refuse and discard.	Four crushed cans, one small paint-can-style lid.	Historic: Ineligible.	One structure work area.
SRI 9104	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with multidirectional flake core, 22 lithic flakes (obsidian/ chert). Eight isolated historic-era cans.	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
SRI 9106	LADWP	Precontact	Precontact: Lithic concentration.	Three obsidian core flakes, basalt core flake, chalcedony core flake, chert core flake, jasper core flake.	Precontact: Ineligible.	No project components or elements are located within site boundaries.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SRI 9108	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 66 lithic flakes/shatter (obsidian/chert).	Precontact: Eligible under Criterion 4.	One structure work area within 30 feet of site boundary. No project components are within site boundary.
SRI 9110	LADWP	Precontact	Precontact: Lithic concentration.	Six core flakes (obsidian, chert, chalcedony), piece of chert shatter.	Precontact: Ineligible.	One pull site.
SRI 9114	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 79 lithic flakes/shatter (various materials).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
SRI 9116	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 110 lithic flakes (chert/jasper/chalcedony).	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SRI 9118	LADWP	Precontact with historic isolate	Precontact: Temporary camp.	Thermal feature, scatter with projectile point fragment, 4 biface fragments, edge-modified flake, 10 FAR, 349 lithic flakes (various materials), 3 small freshwater clam shell fragments. Isolated historic-era crushed can.	Precontact: Eligible under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
SRI 9120	BLM Bishop FO and LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Six obsidian core flakes, 44 chert core flakes, 2 basalt core flakes, andesite core flake, 2 chert biface-thinning flakes, piece of obsidian shatter, 32 pieces of chert debitage, 2 pieces of obsidian indeterminate flakes. Isolated historic-era glass bottle base with maker's mark. American Period (1919-1929).	Precontact: Eligible under Criterion 4.	No project components or elements are located within site boundaries.
SRI 9122	LADWP	Precontact	Precontact: Lithic concentration.	Twelve obsidian core flakes, 9 chert core flakes, 10 basalt core flakes, 1 jasper core flakes, obsidian biface-thinning flake, chert biface-thinning flake, 3 pieces of obsidian shatter, 3 pieces of chert shatter, 2 pieces of basalt shatter, piece of jasper shatter.	Precontact: Ineligible.	No project components or elements are located within site boundaries.
SRI 9124	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 278 lithic flakes/shatter (obsidian/chert/jasper/ rhyolite).	Precontact: Eligible under Criterion 4.	Install one new LWS monopole and associated work area.
SRI 9128	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Scatter with biface, multidirectional core, flake core, 6 edge-modified flakes/fragments, 212 lithic flakes (various materials), 51 Owens Valley Brown Ware sherds, 113 mollusk-shell fragments. Marana period (610 cal BP to historic contact). Multi-component: Machine-cut rock structure with lithic scatter. Historic Component: Three buttons (plastic/metal/shell), 3 crushed cans, patterned ceramic fragment, 3 jar/glass fragments, 31 porcelain fragments. American Period (post-1952).	Precontact: Eligible under Criterion 4. Historic: Eligible under Criterion 4.	One guard site. Existing access road will be improved and graded as needed. One structure work area is within 30 feet of site boundary.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SRI 9132	LADWP	Precontact	Precontact: Temporary camp.	Four lithic sample areas, thermal feature, projectile point fragment, biface fragment, 3 scrapers, 2 edge modified flakes, 351 lithic flakes/shatter (various materials), 53 FAR fragments (various materials).	Precontact: Eligible under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed
SRI 9144	LADWP	Precontact	Precontact: Lithic concentration.	Single reduction locus, 36 lithic flakes/shatter (obsidian/chert/ basalt/andesite/chalcedony).	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed.
SRI 9148	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 2 scrapers, edge modified flake, 234 lithic flakes/ shatter (various materials).	Precontact: Eligible under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
SRI 9154	LADWP	Precontact with historic isolate	Precontact: Temporary camp.	Edge modified flake, 117 lithic flakes/shatter (various materials), FAR, 11 small clam-shell fragments. Four isolated historic-era cans.	Precontact: Eligible under Criterion 4.	One structure work area, one monopole installation and one existing access road will be improved and graded as needed within 30 feet of site boundary. No project components are within site boundary.
SRI 9156	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 2 projectile point fragments, biface fragment, 2 multidirectional cores, 816 lithic flakes/shatter (various materials).	Precontact: Eligible under Criterion 4.	One structure work area. Install one new LWS monopole within 15 feet of site boundary. Existing access road will be improved and graded as needed.
SRI 9160	LADWP	Precontact	Precontact: Lithic concentration.	Two 2 obsidian core flakes, 2 chert core flakes, 2 basalt core flakes, 3 rhyolite core flake, piece of basalt shatter.	Precontact: Ineligible	No project components or elements are located within site boundaries.
20231023-MER-001-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 139+ lithic artifacts (bifacial tool [likely winged crescent knife], core, multidirectional tool, 136 lithic flakes (obsidian/CCS/basalt/chalcedony). Isolated historic-era glass bottle fragment. American era (1938 - 1980).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install two new LWS monopoles, two associated work areas, and two new access roads. Existing access road will be improved and graded as needed.
20231031-AJD-001-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Thirty-two obsidian black tertiary flakes, obsidian gray tertiary flake, 3 obsidian shatter, CCS gray/brown secondary flake, 1 CCS honey flake, basalt secondary flake, and 4 basalt tertiary flakes. Isolated historic-era bimetal pull tab can.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Work area for a subtransmission tower; One new access spur road; Existing access road will be graded and improved as needed
20231031-MER-001-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Obsidian biface tip, uniface obsidian nodule flake with three flake scars, obsidian flake tool, obsidian base fragment, obsidian biface fragment, CCS biface fragment, 19 obsidian flakes, 8 CCS flakes of	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic	Work area for a subtransmission tower; One new access spur road; Existing access road will be graded and improved as needed

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
				varying colors, 3 obsidian nodule flakes, 3 basalt flakes, 3 FGV flakes, quartzite flake. Isolated historic-era steel beverage can.	District under Criteria 1, 2, 3, and 4.	
20230822-BTB-001-S	LADWP	Historic	Historic: Water infrastructure.	Rusted steel pipe, slab of concrete, colorless glass fragments, earthen berm.	Historic: Ineligible.	There are no project components within the site boundary.
20230824-G_F-002-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 22 obsidian tertiary flakes and pieces of shatter, 5 CCS tertiary flakes, 2 rhyolite tertiary flakes, 1 basalt flake and 1 piece of basalt shatter.	Precontact: Ineligible.	One structure work area is within 25 feet of site boundary.
BLM-DPR 175-4	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Scatter with 104 lithic flakes/shatter (obsidian/basalt/CCS). Historic Component: 22+ bottle/glass fragments, uprooted milled lumber post with attached barbed wire, church key-opened can. American Period (1880-1960s).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	One structure work area is within 30 feet of site boundary. Existing access road will be improved and graded as needed.
20230822-AJD-002-S	LADWP	Precontact	Precontact: Lithic concentration.	Ten obsidian tertiary flakes and/or shatter pieces, 3 CCS flakes, 3 rhyolite flakes, obsidian biface fragment, rhyolite flake fragment with modified edge (possible chopper), CCS core tool.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	There are no project components within the site boundary.
20230822-MER-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 7 obsidian tertiary and shatter flakes, 2 CCS flakes, core with four flakes removed, 2 rhyolite flakes, flake tool/core.	Precontact: Eligible under Criterion 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
20230822-MER-003-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Two lithic concentrations. 28 obsidian debitage flakes, 2 possible obsidian core fragments, and 1 obsidian projectile point fragment of unknown type, 33 CCS debitage flakes, one CCS core fragment, 1 chalcedony flake, 17 rhyolite debitage flakes, edge-modified metamorphic tool. Isolated historic-era aqua glass fragment.	Precontact: Eligible individually under Criterion 4.	There are no project components within the site boundary.
20230823-BTB-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with CCS hand axe, CCS core tool, CCS flake with retouched edge, obsidian projectile point fragment. 62+ lithic flakes (obsidian/CCS/FGB/quartzite/rhyolite).	Precontact: Eligible individually under Criterion 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
20230823-MER-001-S	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Scatter with Projectile point (possible Pinto Basin Sloping Shoulder), flake with possible fluting/edge retouching, battered hammerstone fragment with lithic scatter, possible groundstone fragment, 88+ lithic flakes (obsidian/basalt/CCS/rhyolite). Early Holocene to Late Periods (5000 BP to 2700 BP).	Precontact: Eligible individually under Criterion 4.	Install one new LWS monopole and associated work area. One new access road within 1 foot of site boundary.
20230824-G_F-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 32 lithic flakes/shatter (obsidian/CCS/rhyolite/basalt).	Precontact: Eligible individually under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
20230824-MER-001-S	LADWP	Precontact	Precontact: Quarry.	Scatter with 615 lithic artifacts (possible flake tool, 6 cores, groundstone fragment, 2 retouched flakes, 2 biface fragments, possible basalt pipe fragment, hammerstone, core/tested cobble, 2 flake tools).	Precontact: Eligible individually under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road. Additional work area is within 25 feet of site boundary. Existing access road will be improved and graded as needed.
20230825-MER-002-S	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Five obsidian tertiary flakes, 1 obsidian shatter piece, and 4 gray CCS tertiary flakes. Historic Component: Concrete footing in an oval shape with metal hardware, historic roadbed, milled lumber, metal hardware, square kerosene can, 3 fragments of curved colorless glass likely from a bottle, 17 glass fragments. American Period (1947).	Precontact: Ineligible. Historic: Ineligible.	There are no project components within the site boundary.
20230825-MER-006-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with Rose Spring projectile point, core, 47 lithic flakes (obsidian/basalt/CCS/rhyolite/unknown). Haiwee Period (1280–610 cal BP). Three isolated historic-era cans. American Period, post-1962.	Precontact: Eligible individually under Criterion 4.	Existing access road will be improved and graded as needed.
20230826-MER-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 38 lithic flakes (obsidian/basalt/CCS), biface fragment, flake tool, basalt tool with retouched edge.	Precontact: Eligible individually under Criterion 4.	Install one new LWS monopole and associated work area. Existing access road will be improved and graded as needed within 1 foot of site boundary.
20230827-MER-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with rhyolite core, 57 lithic flakes (various materials).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install one new LWS monopole, associated work area, and one new access road.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
20230828-AJD-001-S	LADWP	Precontact	Precontact: Temporary camp.	75 total tertiary debitage flakes (obsidian, CCS, basalt), 6 flake tools, concentration of 11 spalled rocks, 3 basalt ground stone fragments, possible fire-cracked rock.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	There are no project components within the site boundary.
20230829-G_F-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 3 biface fragments, possible notched flake tool, 1 possible CCS drill tool, 79 lithic flakes (obsidian/CCS/basalt).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
20230829-MER-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 55+ obsidian, CCS and basalt flakes.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary.
20230831-MER-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with utilized flake tool, 138+ lithic flakes/shatter/angular debris (obsidian/basalt/rhyolite/CCS).	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Two structure work areas are within 25 feet of site boundary. Existing access road will be improved and graded as needed.
20230919-AJD-001-S	LADWP	Historic	Historic: Homestead/farm/ ranch resource.	Corral and cattle chute, refuse pile of milled lumber.	Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	One pull site.
20230919-AJD-002-S	LADWP	Historic	Historic: Homestead/farm/ ranch resource.	Corral, refuse scatter, glass liquor bottle embossed, bottle base, amber prescription bottle, aqua-colored insulator shoulder fragment, 20+ colorless glass fragments, ceramic fragment, two glass fragments, two cans, Remington 12-gauge cartridge casing.	Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed.
20230921-AJD-001-S	LADWP	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with obsidian flake tool, 23 lithic flakes (CCS/FGV/ obsidian), brown ware sherd. At least four isolated historic-era glass bottle fragments.	Precontact: Eligible individually under Criterion 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	One structure work area is within 25 feet of site boundary. Existing access road will be improved and graded as needed.
20230923-AJD-001-S	LADWP	Multi-component	Precontact: Lithic concentration.	Scatter with possible retouched flake, 2 flake tools, 1 obsidian biface, 5 possible Rose Springs Corner Notch projectile points, 129	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata	Install one new LWS monopole, associated work area, and one new

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.	flakes/debitage/shatter (obsidian/CCS). Haiwee Period (1280–610 cal BP) Historic Component: Six bullet casings, shotgun shell, sanitary can.	Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	access road. Existing access road will be improved and graded as needed.
20230925-AJD-001-S	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 2 obsidian projectile points, 3 biface fragments, 2 tool fragments, 3 cores/core tools, possible volcanic tool, possible modified flake/tool, 2 retouched flake tools, CCS flake with possible remarked/modified edge, schist groundstone, 609 lithic flakes (various materials). Haiwee Period (1280–610 cal BP). Historic Component: Nine cans, bottle/glass fragments, metal pipes, cooking implement remnant, wire nail, egg-shaped piece with aluminum coating.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install two new LWS monopoles, two associated work areas, and one new access road. An additional work area is within 30 feet of site boundary. Two existing access roads will be improved and graded as needed.
20230926-AJD-003-S	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	CCS flake tool. Historic Component: glass, metal and wood fragments, solid metal rod, 10 insulator fragments, fragment of milled lumber, tin containers, brown-glazed ceramic fragment, graphite rod, 20+ ceramic, white-glazed fragments, green glazed ceramic fragment, metal bucket.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Structure work area.
20230927-AJD-001-S	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Isolated precontact-era basalt tertiary reduction flake. Historic Component: 3 shotgun cartridges, 3 glass bottle fragments, metal spike fragment	Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	One structure work area is within 25 feet of site boundary.
20230927-MER-001-S	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Two tertiary obsidian flakes, 1 basalt shatter fragment, obsidian biface. Historic Component: Three smokeless cartridge bases, amber glass bottle base, two colorless milk glass bottle fragments, metal spike fragment.	Precontact: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to	There are no project components within the site boundary.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
					Patsiata Historic District under Criteria 1, 2, 3, and 4.	
20231029-AJD-001-S	LADWP	Historic with precontact isolate	Historic: Exploration and transportation resource, Refuse and discard.	Isolated precontact-era scatter with 4 flakes (obsidian/CCS/ unknown). Historic Component: Railroad grade, hundreds of artifacts (20+ cans, various metal artifacts, milled lumber, ceramic sherds, and bottle/glass fragments). American Period (1904 - 1964).	Historic: Eligible under Criteria 1 and 4, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install one new LWS monopole and associated work area. Existing access roads will be improved and graded as needed.
20231029-MER-002-S	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Scatter with 209 lithic flakes (obsidian/basalt/chalcedony/CCS). Historic Component: Two glass fragments, coke bottle, clay pigeons. American Period (post-1870).	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed.
20231031-MER-001-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 4 biface fragments, uniface tool, flake tool, 37 lithic flakes (obsidian/CCS/jasper/quartzite/FGV). Isolated historic-era can.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed. One structure work area is within 25 feet of site boundary.
20231031-AJD-001-S	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 41 lithic flakes (obsidian/CCS/basalt). Isolated historic-era can.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed. One structure work area is within 25 feet of site boundary.
20231023-MER-001-S	LADWP	Precontact	Precontact: Lithic concentration.	Large lithic scatter consisting of over 135 lithic artifacts including obsidian flakes (n=70+), obsidian bifacial tool and likely a winged crescent knife, CCS flakes (n=36+, predominantly red), one CCS core, basalt tertiary flakes (n=24), chalcedony tertiary flakes (n=6), multidirectional quartzite tool. Isolated historic-era glass bottle fragment. American era (1938 to 1980).	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install two subtransmission towers with associated work areas; Two additional work areas for subtransmission towers; Three access spur roads; Existing access road will be graded and improved as needed

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
P-14-000035/CA-INY-35	LADWP	Precontact	Precontact: Habitation area.	Four Owens Valley Brown Ware sherds, CCS flake, obsidian biface projectile point (Cottonwood Triangular). Late Prehistoric Period to Marana Period (900 BP – 150 BP).	Precontact: Eligible individually under Criterion 4.	Existing access road will be improved and graded as needed.
P-14-000081/CA-INY-81	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with 315 flakes/shatter (obsidian/chert/basalt/quartzite/schist), projectile point, 2 slabs (rhyolite/basalt) with milling surfaces, 3+ Owens Valley Brown Ware sherds. Marana period (610 cal BP to historic contact). Historic Component: Glass scatter, pull tab can. American Period (post-early 1900s).	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed.
P-14-000085/CA-INY-85	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Scatter with 54+ obsidian flakes/shatter (obsidian/CCS/basalt), 55 artifacts (projectile points, biface fragments, flake tools, FAR, groundstone fragments [including manos/handstone], Owens Valley Brown Ware). Marana period (610 cal BP to historic contact). Historic Component: Six cans, plastic button, bottle/glass fragments, hotel-ware plat fragment, saw-cut faunal bone concentration. American Period (1925 - 1970s).	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	One new access spur road; Existing access road will be graded and improved as needed
P-14-000311/ CA-INY-311	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 60 lithic debitage (obsidian/basalt/CCS).	Precontact: Eligible individually under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
P-14-002783/ CA-INY-2783	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Scatter with 38 lithic debitage (obsidian/basalt/CCS), core, 2 ground stone slabs. Historic Component: Fence segment along an artificial earthen berm, galvanized corrugated metal, two milled lumber fragments.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
P-14-002784/ CA-INY-2784	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 278 lithic debitage (obsidian/CCS/basalt), basalt core, CCS flake tool. Two isolated historic-era glass bottle fragments, white ceramic cylinder.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be improved and graded as needed within 10 feet of site boundary.
P-14-004607	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Exploration and transportation resource.	Ground stone fragment. Historic Component: Eleven culverts, 4 bridges or bridge-related features, 2 retaining walls, 1 spur line, and 1 loading dock, 7 wooden posts, 50+ glass fragments, aqua glass insulator fragment, metal spike, wooden insulator holder with 2 wire nails, insulator holder, hardware remains, wire, other indistinguishable metal all along the railroad grade, 10 pieces milled lumber, sanitary cans. American Period (early as 1907).	Precontact: Ineligible. Historic: Ineligible.	No project components are within site boundary.
P-14-005654/ CA-INY-5301	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Isolated precontact-era scatter with 1 basalt tertiary flake, 2 obsidian tertiary flakes, obsidian shatter fragment. Bottle base with maker's mark, amethyst glass fragment, can with deteriorated top. American Period (1880s to 1983).	Historic: Ineligible individually, eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Existing access road will be graded and improved as needed.
P-14-007831	LADWP	Precontact with historic isolate	Precontact: Lithic concentration.	Concentration with 91 pieces of lithic debitage including 3 cores, core fragment, unifacial tool, 2 projectile point fragments, biface fragment, flake tool, hammerstones. Isolated historic-era glass fragment.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
P-14-007834	LADWP	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Scatter with 39 lithic flakes (obsidian/CCS/basalt), CCS flake tool fragment, CCS retouched flake. Historic Component: Rectangular can, wood fragments, glass fragments, automotive parts, bricks. American Period (1870s - 1960s).	Precontact: Eligible individually under Criterion 4. Historic: Ineligible.	One structure work area within 30 feet of site boundary. Existing access road will be improved and graded as needed.
P-14-008008; P-14-013589/ CA-INY-10191	LADWP	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Scatter with 266 lithic debitage/tools, 98+ Owens Valley Brown Ware sherds, 118 groundstone fragments, 19 FAR, steatite bead. Marana period (610 cal BP to historic contact). Historic Component: Barbed wire fence, 3 cans, metal sheet, button, bottle/glass fragments, 29 ceramic/stoneware sherds, charred faunal bone fragments concentration, enamel-coated metal fragment. American Period (ca. 1950s).	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, eligible as contributor to	One structure work area. Existing access road will be improved and graded as needed.

Res. #	Land Ownership	Age*	Resource Type	Manzanar Alternative: Site Description	CPUC Eligibility Determination	Impact Description
					Patsiata Historic District under Criteria 1, 2, 3, and 4.	
P-14-009248; P-14-014226; P-14-014227; P-14-014228/ CA-INY-7229; CA-INY-10662; CA-INY-10663	LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 1,000+ lithic debitage (obsidian/basalt/FGV/CCS), 2 flake tools, biface fragment, tested cobble, 2 bifacially worked flakes.	Precontact: Eligible individually under Criteria 1 and 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Install one new TSP monopole, associated work area, three pull sites, and two guard sites. Existing access road will be improved and graded as needed.
P-14-013586/ CA-INY-10188	LADWP	Precontact	Precontact: Multi-class artifact concentration.	Scatter with 5 Owens Valley Brown Ware sherds, bifacially reduced fragmented tool, flake tool, 4 groundstone fragments, 187 lithic flakes/shatter (obsidian/basalt/CCS). Marana period (610 cal BP to historic contact).	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Two structure work areas are within 30 feet of site boundary. Existing access road will be improved and graded as needed.
P-14-013587; P-14-013588/ CA-INY-10189; CA-INY-10190	LADWP	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Scatter with obsidian point fragment, biface fragment, 196 flakes (obsidian/CCS/basalt/quartzite), 4 Owens Valley Brown Ware sherds. Haiwee and Marana periods (1280 BP to historic contact). Historic Component: 18+ bottle/window/glass fragments, can, asphalt, saw-cut faunal bone. American Period, post-1949.	Precontact: Eligible individually under Criterion 4, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4. Historic: Ineligible individually, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Two structure work areas are within 30 feet of site boundary. Existing access road will be improved and graded as needed.
P-14-013814/ CA-INY-10318	LADWP	Precontact	Precontact: Lithic concentration.	Ten obsidian flakes, three orange CCS flakes, gray FGV flake, primary obsidian flake tool.	Precontact: Ineligible individually, and eligible as contributor to Patsiata Historic District under Criteria 1, 2, 3, and 4.	Structure work areas.

Table Ap.5-11. Archaeological Resources: Fossil Falls Realignment Alternative

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
P-14-010021	BLM Ridgecrest FO	Precontact	Precontact: Bedrock milling station.	Two basalt boulders with milling slicks, 196 flakes and two obsidian biface fragments.	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
P-14-010028	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Temporary camp.	Seventy-two obsidian tertiary flakes, complete basalt metate, unifacial granite metate fragment, obsidian biface medial fragment. Isolated historic-era church key–opened steel flat-top beverage can.	Precontact: Ineligible.	No project components are within site boundary.
P-14-010030	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	236 flakes, a small obsidian scatter outside the main concentration, and one obsidian biface fragment.	Precontact: Ineligible.	Existing access road will be improved and graded as needed.
P-14-010034	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	269 tertiary obsidian flakes.	Precontact: Ineligible.	No project components are within site boundary.
P-14-001636/ CA-INY-1636	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 2 lithic sample areas; 3 Owens Valley Brown Ware sherds, 2 biface fragments, edge-modified flake, utilized flake, estimated 500-600 lithic flakes. Haiwee and Marana periods (1280 cal B.P–Historic contact). Two isolated historic-era cans.	Precontact: Listed as a contributor to the Fossil Falls Archaeological District under Criterion 4, and eligible under Criterion D.	Install two new LWS monopoles, associated work areas, and one new access road. Two existing access roads will be improved and graded as needed.
P-14-001796/ CA-INY-1796	BLM Ridgecrest FO	Precontact	Precontact: Quarry.	Scatter with 8 lithic sample areas; Estimated 5,000 lithic debitage, 34 cores, 18 bifaces, 11 edge-modified flakes, 4 tested cobbles/ cores, pumice mano fragment.	Precontact: Eligible under Criteria 1 and 4.	Install eleven new LWS monopoles and one new TSP monopole, twelve associated work areas, two pull sites, and eleven new access roads. Existing access road will be improved and graded as needed.
P-14-002780/ CA-INY-2780	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Scatter with2 lithic sample areas; 300+ lithic debitage (obsidian/ chalcedony/jasper/metavolcanic), bimarginal tool, bifacial/ multidirectional core, 2 biface fragment. Historic Component: Truck taillights, 6 crushed cans. American Period (post-1960s).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	One structure work area. Existing access road will be improved and graded as needed.
P-14-002781/ CA-INY-2781	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 5 lithic sample areas; 135 lithic flakes (obsidian/ chalcedony), 6 cores, 4 biface fragments, 5 edge-modified flakes (obsidian/chert/CCS), bifacial scraper, pumice mano.	Precontact: Eligible under Criteria 1 and 4.	Install one new LWS monopole, one associated work area, and one additional structure work area. Existing access road will be improved and graded as needed.

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
				Isolated historic-era 20-mm ammunition belt link fragment. American Period (post-1950s).		
P-14-003403/ CA-INY-3403	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	5 obsidian lithic flakes.	Precontact: Eligible under Criteria 1 and 4.	Existing access road will be improved and graded as needed.
P-14-003407/ CA-INY-3407H	BLM Ridgecrest FO; LADWP	Multi-component	Precontact: Lithic concentration. Historic: Homestead/farm/ ranch resource.	Scatter with 306 flakes (obsidian/chalcedony), stemmed obsidian projectile point. Historic Component: Structural debris concentration with associated refuse scatter, ceramic scatter, can concentration, barbed wire fence, cobble/boulder concentration, concrete alignment; 1,000+ houseware artifacts). American Period, post-1911. A rock alignment feature (four linear alignments) of indeterminate age is also present.	Precontact: Eligible under Criterion 4. Historic: Eligible under Criterion 4.	Install one new LWS monopole, one associated work area, and an additional structure work area. Existing access road will be improved and graded as needed within 1 foot of site boundary.
P-14-004654/ CA-INY-4654	BLM Ridgecrest FO	Precontact	Precontact: Multi-class artifact concentration.	Five milling slicks, one milling slick with associated petroglyphs, six petroglyph features, one obsidian lithic scatter. Scatter with 18 obsidian tertiary flakes and one obsidian biface fragment (possible Humboldt Lanceolate). Middle to Late Holocene (6000 B.C. to A.D. 600–1300).	Precontact: Eligible under Criteria 3 and 4.	Existing access road will be improved and graded as needed within 30 feet of site boundary. No project components occur within the site boundary.
P-14-009477/ CA-INY-7387	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Two bedrock milling features, 5 obsidian lithic flakes. Historic: Component: Eighteen cans, 37 glass bottle fragments. American Period (1950s - 1960s).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	One pull site and one structure work area. Another pull site and access road is within 10 feet of site boundary.
P-14-014511	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Two isolated precontact-era obsidian flakes. Six cans and seven glass bottle fragments. Many .22-caliber rim-fire bullet casings and other modern shot shells. American Period (mid-twentieth century).	Historic: Ineligible.	No project components are within site boundary.
P-14-014514	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Five flakes, edge-modified flake. Historic Component: Ten cans. American Period (1962 to 1975).	Precontact: Ineligible. Historic: Ineligible.	No project components are within site boundary.
SWCA-L030-S-60224	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 58 lithic flakes (obsidian/chert).	Precontact: Eligible under Criterion 4.	No project components are within site boundary.

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-60229	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 281 lithic flakes, flake tool/possible scraper fragment, 3 bifaces/fragments, projectile point fragment, bifacial preform, edge-modified flake/possible scraper, edge-modified flake.	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60239	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 40 flakes and 1 obsidian biface fragment.	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60243 (formerly SWCA-L030-S-60329)	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Scatter with 93 obsidian lithic debitage, obsidian biface. Historic Component: Eight cans, 53 glass fragments. American Period (1939 - 1948).	Precontact: Eligible under Criteria 1 and 4. Historic: Ineligible.	Two structure work areas are within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60254	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 14 obsidian flakes and one flaked stone tool.	Precontact: Ineligible.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60260	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Quarry.	Scatter with 217 lithic debitage, 2 tested cobbles, 2 biface fragments, 4 cores, 3 edge-modified flakes, 2 utilized flakes, obsidian nodule with flaked edge. Six isolated historic-era cans. American Period (post-1960s).	Precontact: Eligible under Criteria 1 and 4.	One structure work area and one new access road. Existing access road will be improved and graded as needed
SWCA-L030-S-60262	BLM Ridgecrest FO	Precontact	Precontact: Quarry.	Scatter with 142 obsidian lithic debitage, 7 flaked cores, 5 edge-modified flakes, 4 biface fragments.	Precontact: Eligible under Criterion 4.	Two structure work areas and existing access road are within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60271	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 64 obsidian flakes, 2 obsidian cores, pumice mano/ abrader.	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60275	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 69 obsidian lithic debitage, obsidian edge-modified flake, obsidian flake with bimarginal flaking on lateral margin.	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-60287	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Fifteen obsidian flakes, tested obsidian cobble, three obsidian cores.	Precontact: Eligible under Criterion 1.	No project components are within site boundary.
SWCA-L030-S-60289	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Sixteen obsidian tertiary flakes, three cores.	Precontact: Eligible under Criterion 1.	No project components are within site boundary.
SWCA-L030-S-60302	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 161 lithic debitage (obsidian/chert), obsidian edge-modified flake, obsidian biface fragment.	Precontact: Eligible under Criterion 4.	Install one new LWS monopole, associated work area, and one new access road.

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-60303	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Homestead/farm/ranch resource.	Scatter with 3 lithic sample areas; 2,000+ lithic debitage fragments (obsidian/chert/chalcedony), 3 biface/preform, 2 cores, hammerstone, groundstone cobble/possible abrader, scraper, 2 possible projectile point fragments. Historic Component: Galvanized steel water trough, 2 glass bottle fragments, 4 cans. American Period (late 1960s - early 1970s).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Install one new LWS monopole and associated work area. Two existing access roads will be improved and graded as needed.
SWCA-L030-S-60308	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	124 pieces of flaked stone debitage, obsidian biface.	Precontact: Ineligible.	Existing access road will be improved and graded as needed.
SWCA-L030-S-60310	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Isolated precontact-era edge-modified quartz flake and obsidian tertiary flake. 137 cans of 20 different types, mostly food, milk, and oil containers. American Period (after 1925).	Historic: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-60313	BLM Ridgecrest FO	Precontact	Precontact: Temporary camp.	Two bedrock milling features; Scatter with 317 lithic debitage (316 obsidian flakes, chalcedony flake), 2 biface fragments, drill fragment, 3 obsidian edge-modified flakes, core.	Precontact: Eligible under Criterion 4.	Install one new LWS monopole and associated work area. Two existing access roads will be improved and graded as needed.
SWCA-L030-S-60320	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Obsidian biface and 177 pieces of obsidian debitage.	Precontact: Ineligible.	Existing access road will be improved and graded as needed.
SWCA-L030-S-61290	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 84 lithic debitage (obsidian/red chert), 4 chert core fragments, chert expedient tool.	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-61298	BLM Ridgecrest FO	Precontact	Precontact: Multi-class artifact concentration.	Scatter with 2 lithic sample areas; 150+ lithic debitage (obsidian/red chert), 2 biface fragments, obsidian scraper, possible shell artifact.	Precontact: Eligible under Criterion 4.	One pull site and one structure work area. Install one new TSP monopole within 15 feet of the site boundary.
SWCA-L030-S-61346	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Seventeen pieces of debitage, including 16 obsidian tertiary flakes and one red chert tertiary flake.	Precontact: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-61356	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	118 fragments of lithic debitage (mostly obsidian tertiary flakes).	Precontact: Ineligible.	Existing access road will be improved and graded as needed.
SWCA-L030-S-61364	BLM Ridgecrest FO	Precontact	Precontact: Bedrock milling station.	Basalt boulder with a milling feature on the upper surface and 30 obsidian tertiary flakes.	Precontact: Eligible under Criterion 4.	No project components occur within the site boundary.
SWCA-L030-S-61373	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	31 pieces of flaked obsidian debitage (mostly tertiary).	Precontact: Ineligible.	No project components occur within the site boundary.

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-61375	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Petroglyph feature; Scatter with 324 obsidian flakes, 2 chalcedony biface fragments, 2 obsidian biface fragments.	Precontact: Eligible under Criteria 3 and 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-61385	BLM Ridgecrest FO	Precontact	Precontact: Rock art.	2 petroglyph features.	Precontact: Eligible under Criteria 1, 3 and 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-61398	BLM Ridgecrest FO	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	bedrock milling slick; Scatter with 9 Owens Valley Brown Ware sherds, 5 obsidian flakes. Haiwee and Marana periods (1280 BP to historic contact). Historic Component: Two bottle glass fragments, sardine can. American Period (1930 - 1940). Upright stone marker of indeterminate age also recorded.	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Install one new LWS monopole, associated work area, and one new access road. Existing access road will be improved and graded as needed.
SWCA-L030-S-62369	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Four isolated precontact-era obsidian tertiary flakes. Approximately 100 cans, nine aqua glass fragments, and 20 ceramic sherds. American Period (1920s).	Historic: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-62370	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Fifty-nine cans and 15 glass bottle fragments. Historic dating: American Period (1950s).	Historic: Ineligible.	No project components occur within the site boundary.
SWCA-L030-S-62381	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 214 obsidian lithic flakes.	Precontact: Eligible under Criterion 4.	One structure work area. Install one new LWS monopole within 25 feet of the site boundary.
SWCA-L030-S-62386	BLM Ridgecrest FO, LADWP	Precontact	Precontact: Lithic concentration.	Scatter with 24 obsidian lithic flakes.	Precontact: Eligible under Criteria 1 and 4.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62387	LADWP	Historic with precontact isolate	Historic: Refuse and discard.	Five isolated precontact-era obsidian flakes. Eighteen cans.	Precontact: Eligible under Criterion 1.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62389	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 168 obsidian lithic flakes, 2 chert flakes.	Precontact: Eligible under Criteria 1 and 4.	One structure work area is within 25 feet of site boundary. No project components are within site boundary
SWCA-L030-S-62391	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Thirty-six obsidian tertiary flakes.	Precontact: Eligible under Criteria 1 and 4.	No project components occur within the site boundary.
SWCA-L030-S-62401	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration.	Scatter with 37 lithic debitage, quartzite core. Historic Component: Glass bottle fragment, 22 cans. American Period (1950s - 1960s).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Install one new LWS monopole and associated work area. Two existing

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
			Historic: Refuse and discard.			access roads will be improved and graded as needed.
SWCA-L030-S-62403	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 211 pieces of debitage (obsidian, CCS, and basalt), obsidian biface fragment, obsidian edge-modified flake. Isolated historic-era glass bottle base. American Period (post-1967).	Precontact: Eligible under Criterion 4.	One structure work area and one existing access road are within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62405	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Scatter with 2 lithic sample units; 1,500+ lithic debitage (obsidian/ chert), obsidian scraper, obsidian edge-modified flake. Six isolated historic-era cans. American Period (post-1960).	Precontact: Eligible under Criterion 4.	Install one new TSP monopole, associated work site, and two pull sites.
SWCA-L030-S-62409	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Fifty-two obsidian flakes, dark gray obsidian with gray phenocryst utilized tertiary flake with crushing on the distal end. Isolated historic-era can. American Period, post-1935.	Precontact: Eligible under Criterion 4.	No project components occur within the site boundary.
SWCA-L030-S-62412	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Exploration and transportation resource, Mining resource.	Scatter with 379 lithic debitage (obsidian/chalcedony/chert), edge-modified flakes, utilized core tool, 2 scrapers, 2 biface fragments, chopper/core tool, edge-modified flake/possible chopper, utilized obsidian flake with use wear along one margin, 2 utilized flake. Historic Component: Three prospect pits, 2 unpaved road sections, 2 cans. American Period (1960s - 1970s).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Install one new LSW monopole, associated work site, and one new access road. Another two work areas and two new access roads are within 30 feet of site boundary. Existing access road will be improved and graded as needed.
SWCA-L030-S-62414	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 116 obsidian lithic flakes.	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62416	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 22 obsidian lithic flakes.	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62417	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 145 flakes (137 obsidian, 3 chalcedony, 2 chert, 3 basalt).	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62418	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 43 obsidian lithic flakes, obsidian core.	Precontact: Eligible under Criterion 4.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62419	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Lithic concentration.	Fifty-three flakes, one obsidian biface. Isolated historic-era can.	Precontact: Eligible under Criterion 4.	No project components occur within the site boundary.

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-62420	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 38 obsidian lithic flakes, edge-modified flake with flaking along one margin.	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. Existing access road will be improved and graded as needed.
SWCA-L030-S-62422	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 136 lithic debitage (134 obsidian, 2 chert), 3 obsidian cores.	Precontact: Eligible under Criterion 4.	One structure work area and one existing access road are within 25 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62423	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 31 obsidian lithic flakes, obsidian biface.	Precontact: Eligible under Criterion 4.	No project components are within site boundary.
SWCA-L030-S-62424	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 55 obsidian lithic flakes, flaked stone tool.	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. No project components are within site boundary.
SWCA-L030-S-62459	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 60 obsidian lithic flakes, obsidian edge-modified flake.	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. Existing access road will be improved and graded as needed.
SWCA-L030-S-62460	BLM Ridgecrest FO	Precontact with protohistoric and historic isolate	Precontact: Habitation area.	Dry-stacked house ring, 3 smaller rock rings; Scatter with 238 obsidian lithic flakes, 5 groundstone (fragments, metates), 3 biface fragments, Rose Spring Corner-Notched projectile point fragment, mammal/bird bone fragments. Protohistoric-era blue glass hexagonal tube bead. Marana Period (610 cal BP to historic contact). Five isolated historic-era cans.	Precontact: Eligible under Criteria 1 and 4.	Two structure work areas are within 30 feet of site boundary. Existing access road will be improved and graded as needed.
SWCA-L030-S-62464	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Bedrock milling station.	Two bedrock milling features; Scatter with 2 obsidian biface fragments, obsidian edge-modified flake, 3 obsidian flakes. Isolated historic-era glass bottle. American Period (post-1968).	Precontact: Eligible under Criterion 4.	One structure work area is within 30 feet of site boundary. Existing access road will be improved and graded as needed.
SWCA-L030-S-62466	BLM Bishop FO	Precontact	Precontact: Lithic concentration.	Fifteen obsidian tertiary flakes, obsidian secondary flake, basalt secondary flake.	Precontact: Ineligible.	No project components are within site boundary.
SWCA-L030-S-62509	BLM Ridgecrest FO	Precontact	Precontact: Multi-class artifact concentration.	Scatter with 55 obsidian flakes, unifacial granite metate.	Precontact: Ineligible.	One structure work area is within 25 feet of resource boundary.

Res. #	Land Ownership	Age*	Resource Type	Fossil Falls Alternative: Site Description	CPUC Eligibility Determination	Impact Description
SWCA-L030-S-62564	BLM Ridgecrest FO	Historic	Historic: Refuse and discard.	Metal strapping, one wooden post, one metal external thread finish jar lid, 28 cans. Historic dating: American Period (1935 to 1965).	Historic: Ineligible.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62610	LADWP	Multi-component	Precontact: Bedrock milling station. Historic: Refuse and discard.	Basalt boulder with milling slick; Scatter with 230 obsidian flakes, 3 chalcedony flakes. Historic Component: Oval-shaped rock feature, 10 cans, 2 amber glass beer bottles. American Period (1914 - 1968).	Precontact: Eligible under Criterion 4. Historic: Ineligible.	Existing access road will be improved and graded as needed.
SWCA-L030-S-62725	BLM Ridgecrest FO	Precontact	Precontact: Lithic concentration.	Scatter with 78 lithic debitage (obsidian/chalcedony), multidirectional obsidian core, obsidian edge-modified flake.	Precontact: Eligible under Criteria 1 and 4.	Existing access road will be improved and graded within 10 feet of site boundary.
SWCA-L030-S-62728	BLM Ridgecrest FO	Historic with precontact isolate	Historic: Refuse and discard.	Three precontact-era obsidian tertiary flakes. Three glass bottle bases with maker's marks, 12 cans, one can lid, 28 green glass fragments, eight SCA glass fragments. American Period (1920s to 1967).	Historic: Ineligible.	No project components or elements are located within site boundaries.
SWCA-L030-S-62731	BLM Ridgecrest FO	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Scatter with 1 Owens Valley Brown Ware sherd, 1 edge-modified flake, 39 pieces of lithic debitage (jasper/chalcedony/basalt/obsidian). Haiwee to Marana periods (1280 cal BP to Historic contact). Isolated historic-era can. American Period (1935 to 1970).	Precontact: Eligible under Criteria 1 and 4.	One pull site. One structure work area is within 25 feet of site boundary.
SWCA-L030-S-62737	BLM Ridgecrest FO	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Butterscotch jasper side scraper. Historic Component: Two amber glass beer bottles and one porcelain bowl. American Period (post-1960).	Precontact: Ineligible. Historic: Ineligible.	No project components or elements are located within site boundaries.

Table Ap.5-12. Archaeological Resources on Alternative Segments with Potential for Visual Impacts

Res. #	Age*	Resource Type	Number of Poles Visible within 1.5 miles (July 2024 VIA Report)	Characteristics Sensitive to Visible Impact
Crater Mountain Realignment Alternative				
170-99-23-S19	Precontact with historic isolate	Precontact: Habitation area.	25	Petroglyphs
P-14-000010 (including P-14-000091)	Multi-component	Precontact: Habitation area. Historic: Refuse and Discard	Unknown	Petroglyphs and cupules
P-14-000111	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	Unknown	Petroglyphs
P-14-000270	Precontact	Precontact: Habitation area.	Unknown	Petroglyphs
P-14-000390	Precontact	Precontact: Rock art.	Unknown	Petroglyphs
P-14-000392/CA-INY-392	Precontact	Precontact: Lithic concentration.	Unknown	
P-14-000393	Precontact	Precontact: Rock art.	Unknown	Petroglyphs
P-14-000394	Precontact	Precontact: Rock art.	Unknown	Petroglyphs
P-14-000397	Precontact	Precontact: Lithic concentration.	Unknown	Petroglyphs
P-14-005632/CA-INY-5281	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	20	None
P-14-011817/CA-INY-9092	Precontact	Precontact: Habitation area.	Unknown	None
P-14-011818	Precontact	Precontact: Habitation area.	Unknown	Petroglyphs
P-14-011819/CA-INY-9094 (including P-14-012856 and P-14-012857/P-14-013134.)	Precontact	Precontact: Habitation area.	22	None
P-14-012280	Precontact	Precontact: Lithic concentration.	Unknown	Petroglyphs
SWCA-L030-S-60019	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60021	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	Unknown	None
SWCA-L030-S-60023	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	22	None
SWCA-L030-S-60059	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
SWCA-L030-S-60065	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60069	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60071	Multi-component	Precontact: Multi-class artifact concentration. Historic: Homestead/farm/ranch resource.	22	None
SWCA-L030-S-60072	Precontact	Precontact: Temporary camp.	21	None
SWCA-L030-S-60088	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	21	None
SWCA-L030-S-60101	Precontact	Precontact: Lithic concentration.	Unknown	None

Res. #	Age*	Resource Type	Number of Poles Visible within 1.5 miles (July 2024 VIA Report)	Characteristics Sensitive to Visible Impact
SWCA-L030-S-60128	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-61010	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	Unknown	None
SWCA-L030-S-61013	Precontact	Precontact: Residential base.	Unknown	None
SWCA-L030-S-61021	Precontact	Precontact: Bedrock milling station.	Unknown	None
SWCA-L030-S-61022	Precontact	Precontact: Bedrock milling station.	Unknown	None
SWCA-L030-S-61055	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	20	None
SWCA-L030-S-61063	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	20	None
SWCA-L030-S-61072	Precontact	Precontact: Temporary camp.	Unknown	None
SWCA-L030-S-61101	Precontact	Precontact: Rock art.	Unknown	Petroglyphs
SWCA-L030-S-62000	Precontact	Precontact: Rock feature.	Unknown	None
SWCA-L030-S-62003	Precontact	Precontact: Habitation area.	Unknown	None
SWCA-L030-S-62007	Precontact	Precontact: Residential base.	Unknown	None
SWCA-L030-S-62009	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
SWCA-L030-S-62034	Multi-component	Precontact: Residential base. Historic: Water infrastructure resource.	21	None
SWCA-L030-S-62038	Precontact	Precontact: Residential base.	21	None
SWCA-L030-S-62044	Multi-component	Precontact: Residential base. Historic: Refuse and discard.	21	None
Fossil Falls Realignment Alternative				
P-14-000182	Multi-component	Precontact: Habitation area. Historic: Refuse and discard.	24	Petroglyphs
P-14-000205	Precontact	Precontact: Rock art.	10	Petroglyphs
P-14-000208	Precontact	Precontact: Habitation area.	9	Petroglyphs
P-14-000210	Precontact	Precontact: Rock art.	19	Petroglyphs
P-14-000211	Precontact	Precontact: Rock art.	20	Petroglyphs
P-14-000271	Precontact	Precontact: Residential base.	24	Petroglyphs
P-14-000372	Precontact	Precontact: Habitation area.	9	None
P-14-000388	Precontact	Precontact: Rock art.	13	Petroglyphs
P-14-000389	Precontact	Precontact: Rock art.	25	Petroglyphs
P-14-001640	Precontact	Precontact: Habitation area.	23	Petroglyphs
P-14-001650	Precontact	Precontact: Rock art.	19	Petroglyphs

Res. #	Age*	Resource Type	Number of Poles Visible within 1.5 miles (July 2024 VIA Report)	Characteristics Sensitive to Visible Impact
P-14-001660	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	21	Petroglyphs
P-14-001796/CA-INY-1796	Precontact	Precontact: Quarry.	Unknown	None
P-14-002781/CA-INY-2781	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	None
P-14-003403/CA-INY-3403	Precontact	Precontact: Lithic concentration.	Unknown	None
P-14-003642	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	8	Petroglyphs
P-14-003647	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	9	Petroglyphs
P-14-003655	Precontact	Precontact: Rock art.	10	Petroglyphs
P-14-003826	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	29	Petroglyphs and historic-era Native American village
P-14-004639	Precontact	Precontact: Multi-class artifact concentration.	5	Petroglyphs
P-14-004642	Precontact	Precontact: Rock art.	4	Petroglyphs
P-14-004654/CA-INY-4654	Precontact	Precontact: Multi-class artifact concentration.	25	Petroglyphs
P-14-004655	Precontact	Precontact: Rock art.	25	Petroglyphs
P-14-004671	Precontact	Precontact: Rock art.	25	Petroglyphs
P-14-004672	Precontact	Precontact: Multi-class artifact concentration.	24	Petroglyphs
P-14-006028	Precontact	Archaeological District	42	Petroglyphs and potentially other district-related characteristics
P-14-008002	Multi-component	Precontact: Multi-class artifact concentration. Historic: Rock feature, Trail.	9	Petroglyphs
P-14-008844	Historic	Historic: Refuse and Discard	9	None
P-14-009461	Multi-component	Precontact: Lithic concentration, Trail. Historic: Refuse and Discard.	8	Petroglyphs
P-14-009472	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	5	Petroglyphs
P-14-009473	Precontact	Precontact: Rock art.	4	Petroglyphs
P-14-009474	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	2	Petroglyphs
P-14-009480	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and Discard	2	Petroglyphs
P-14-010012	Precontact	Precontact: Multi-class artifact concentration.	25	Petroglyphs
P-14-010015	Precontact	Precontact: Rock art.	24	Petroglyphs

Res. #	Age*	Resource Type	Number of Poles Visible within 1.5 miles (July 2024 VIA Report)	Characteristics Sensitive to Visible Impact
P-14-010018	Precontact	Precontact: Rock art.	23	Petroglyphs
P-14-010025	Precontact	Precontact: Habitation area.	24	Cupules
P-14-010031	Precontact	Precontact: Lithic concentration.	25	Petroglyphs
P-14-010032	Precontact	Precontact: Rock art.	25	Petroglyphs
P-14-010036	Precontact	Precontact: Habitation area.	0	Petroglyphs
P-14-010037	Precontact	Precontact: Rock art.	9	Petroglyphs
P-14-010038	Precontact	Precontact: Rock art.	11	Petroglyphs
P-14-010039	Precontact	Precontact: Rock art.	23	Petroglyphs
P-14-010049	Precontact	Precontact: Lithic concentration.	26	Petroglyphs
P-14-011427	Precontact	Precontact: Rock art.	8	Petroglyphs
P-14-011435	Precontact	Precontact: Temporary camp.	10	Petroglyphs
P-14-014332	Precontact	Precontact: Lithic concentration.	7	Petroglyphs
P-14-014531	Precontact	Precontact: Rock art.	2	Petroglyphs
SWCA-L030-S-60239	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60243 (formerly SWCA-L030-S-60329)	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
SWCA-L030-S-60260	Precontact with historic isolate	Precontact: Quarry.	Unknown	None
SWCA-L030-S-60271	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60275	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60287	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-60289	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-61371	Precontact	Precontact: Multi-class artifact concentration.	25	Petroglyphs
SWCA-L030-S-61375	Precontact	Precontact: Lithic concentration.	25	Petroglyphs
SWCA-L030-S-61381	Precontact	Precontact: Rock art.	24	Petroglyphs
SWCA-L030-S-61385	Precontact	Precontact: Rock art.	25	Petroglyphs
SWCA-L030-S-61389	Precontact	Precontact: Rock art.	24	Petroglyphs
SWCA-L030-S-61395	Precontact	Precontact: Lithic concentration.	24	Petroglyphs
SWCA-L030-S-62386	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-62387	Historic with precontact isolate	Historic: Refuse and discard.	Unknown	None
SWCA-L030-S-62389	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-62391	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-62460	Precontact with protohistoric and historic isolate	Precontact: Habitation area.	Unknown	None

Res. #	Age*	Resource Type	Number of Poles Visible within 1.5 miles (July 2024 VIA Report)	Characteristics Sensitive to Visible Impact
SWCA-L030-S-62725	Precontact	Precontact: Lithic concentration.	Unknown	None
SWCA-L030-S-62731	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	None
Manzanar Realignment Alternative				
20231023-MER-001-S	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
20231031-AJD-001-S	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
20231031-MER-001-S	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
BLM-DPR 175-4	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
20230822-AJD-002-S	Precontact	Precontact: Lithic concentration.	Unknown	None
20230827-MER-001-S	Precontact	Precontact: Lithic concentration.	Unknown	None
20230828-AJD-001-S	Precontact	Precontact: Temporary camp.	Unknown	None
20230829-G_F-001-S	Precontact	Precontact: Lithic concentration.	Unknown	None
20230829-MER-001-S	Precontact	Precontact: Lithic concentration.	Unknown	None
20230831-MER-001-S	Precontact	Precontact: Lithic concentration.	Unknown	None
20230919-AJD-001-S	Historic	Historic: Homestead/farm/ranch resource.	Unknown	None
20230919-AJD-002-S	Historic	Historic: Homestead/farm/ranch resource.	Unknown	None
20230921-AJD-001-S	Precontact with historic isolate	Precontact: Multi-class artifact concentration.	Unknown	None
20230923-AJD-001-S	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
20230925-AJD-001-S	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
20230926-AJD-003-S	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
20230927-AJD-001-S	Historic with precontact isolate	Historic: Refuse and discard.	Unknown	None
20230927-MER-001-S	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
20231029-AJD-001-S	Historic with precontact isolate	Historic: Exploration and transportation resource, Refuse and discard.	19	None
20231029-MER-002-S	Multi-component	Precontact: Lithic concentration. Historic: Refuse and discard.	Unknown	None
20231031-MER-001-S	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
20231031-AJD-001-S	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
20231023-MER-001-S	Precontact	Precontact: Lithic concentration.	Unknown	None
P-14000030	Precontact	Precontact: Habitation area.	10	Petroglyphs

Res. #	Age*	Resource Type	Number of Poles Visible within 1.5 miles (July 2024 VIA Report)	Characteristics Sensitive to Visible Impact
P-14-000081/CA-INY-81	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
P-14-000085/CA-INY-85	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
P-14-002783/CA-INY-2783	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	Unknown	None
P-14-002784/CA-INY-2784	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
P-14-005654/CA-INY-5301	Historic with precontact isolate	Historic: Refuse and discard.	Unknown	None
P-14-007831	Precontact with historic isolate	Precontact: Lithic concentration.	Unknown	None
P-14-008008; P-14-013589/CA-INY-10191	Multi-component	Precontact: Temporary camp. Historic: Refuse and discard.	20	None
P-14-009248; P-14-014226; P-14-014227; P-14-014228/CA-INY-7229; CA-INY-10662; CA-INY-10663	Precontact	Precontact: Lithic concentration.	Unknown	None
P-14-009513	Multi-component	Precontact: Multi-class artifact concentration.	7	Setting may be a factor due to possible association with Indian Wars.
P-14-013586/CA-INY-10188	Precontact	Precontact: Multi-class artifact concentration.	Unknown	None
P-14-013587; P-14-013588/CA-INY-10189; CA-INY-10190	Multi-component	Precontact: Multi-class artifact concentration. Historic: Refuse and discard.	Unknown	None
P-14-013814/CA-INY-10318	Precontact	Precontact: Lithic concentration.	Unknown	None

Table Ap.5-13. Built Environment Resources on Alternative Segments

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
CM, M, FF	P-36-010316/ CA-SBR-10316H	SCE (SCE)	Yes	ca. 1911-1913	Transmission/ Utility Line	SCE Bishop Creek to San Bernardino "Tower Line": electrical 12kV and 115kV transmission line, towers, poles, and associated wire. "Tower Line" is comprised of 5 transmission line segments, composed of 70-ft tall double-circuit steel lattice towers and conductors mounted on steel/wooden poles. The line, in its entirety, has a length of 238 miles. One segment intersects the Crater Mountain Direct API in two areas for a total length of approximately 1,342 feet.	Listed under Criteria 1 and 3.	Pull sites, guard site, structure work area, access road
CM, M, FF	19	SCE (SCE)	Yes	ca. 1969-1975	Access Road	The access road to SCE Sylmar-Celilo Transmission Line, approximately 15-feet wide, is composed of a series of unpaved segments extending approximately 180-miles through Mono, Inyo, and Kern Counties to provide access for transmission line maintenance. The majority of the route retains integrity as an active in-use route.	Ineligible	Structure work area, new access road, road grading
CM, M, FF	P-15-014557	SCE (SCE)	Yes	ca. 1911-1913	Access Road	The access road to SCE Bishop Creek to San Bernardino "Tower Line", approximately 15-feet wide, is composed of a series of unpaved and paved segments extending the full-length of the 238-mile Tower Line through Inyo, Kern and San Bernardino Counties. The main road alignment was constructed simultaneous with the Tower Line construction.	Ineligible	Pull sites, access road, structure work areas
CM, M, FF	P-14-012883	Private (LADWP)	Yes	ca. 1950-1952	Transmission/ Utility Line	The LADWP Owens Gorge 230kV Transmission Line is composed of steel lattice towers and spans 248 miles from Mesa Camp, following Owens Gorge, to the Sylmar neighborhood in Los Angeles.	Ineligible	Unknown
CM (not DAPE)	P-14-004682	Private (LADWP)	No	ca. 1880s-1893	Water Conveyance and Control	Big Pine Canal is an artificial water conveyance system, approximately 20 ft wide. Components: Big Pine Canal, irrigation ditch with 5 associated features, old route of canal from Big Pine to Fish Springs. Subfeatures: 2A lateral ditch (2-6 ft wide) and 7 associated field ditches with 4 wooden boxes/gates, 2B lateral ditch (2-6 ft wide) with 4 field ditches and 2 wooden boxes/gates, 2C berm (4x6x12 ft) with catch basin, 2D berm, 2E lateral ditch (2-6 ft wide) with 8 gates, 6 wooden boxes, and 8-inch metal pipe. Total length is approximately 14.40 miles.	Eligible under Criterion 1.	No project components in resource.
CM	P-14-014295	County of Inyo	Yes	Pre-1913	Access Road	This unnamed road is an unpaved, single-lane road, approximately 13-feet wide, that spans approximately 2-miles. The road initiates west from Fish Springs Road and terminates south at Birch Creek Road and provides access to the SCE Control-Haiwee-Inyokern 115kV Transmission Line and the SCE Control-Coso-Haiwee-Inyokern 115kV Transmission Line (modern-day segments of the SCE Bishop Creek to San Bernardino 89kV "Tower Line"), Fish Springs Mining District, and Fish Springs Trout Hatchery.	Ineligible	Structure work area, new access roads

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
CM	P-14-014297	County of Inyo	Yes	Pre-1947	Local Road	Tinemaha Road is a partially paved single lane road that initiates west in two separate segments that stem from Fish Springs Road and merge into a single road approximately 0.48-miles in. The road is approximately 15 miles long and terminates at a dead-end approximately 2-miles south of Fort Independence Reservation. The road presumably provided access to adjacent agricultural lands, US Highway 395, recreational areas, mines, the SCE Control-Haiwee-Inyokern 115kV Transmission Line and the SCE Control-Coso-Haiwee-Inyokern 115kV Transmission Line (modern-day segments of the SCE Bishop Creek to San Bernardino 89kV "Tower Line") and the communities of Fish Springs, Aberdeen and Blackrock.	Ineligible	Pull sites, structure work area, access road improvements
CM (not DAPE)	P-14-005194	Private (unidentified)	Yes	ca. 1880s	Railroad	Abandoned LADWP earthen drain ditch, between 15-feet and 30-feet wide and between 6-feet and 10-feet deep, approximately 1,531-feet long. It was constructed to drain water from the Carson and Colorado Railroad track (in operation 1883-1960). Components in the Indirect API consist of ditch headgate (constructed of milled lumber and steel) and an adjacent stilling well set in concrete.	Eligible under Criterion 1.	No project components in resource.
CM, M & FF (not DAPE)	P-36-007545/ CA-SBR-7545H	Caltrans	Yes	ca. 1915-1947	Freeways, U.S Highways, State Routes	US Highway 395 is a paved, 4-lane divided major highway (between Warm Springs Road in Bishop and the SCE Kramer substation in Kramer Junction). This recorded section of the road has a length of approximately 176 miles.	Eligible under Criterion 1.	Guard sites
CM, M & FF (not DAPE)	P-14-004591/ CA-INY-4591H	Private (LADWP)	Yes	Pre-1913	Water Conveyance and Control	Los Angeles Aqueduct is a complex of water conveyance and power generation structures extending Lee Vining Intake (Mono County) to the Van Norman Reservoir Complex (San Fernando Valley), a length of 338 miles. This aqueduct is composed of unlined channels, concrete-lined channels, flumes, conduit, siphons, tunnels, spillways, reservoirs, dams, and power plants.	Listed under Criteria 1, 2, and 3.	Improvements to existing access roads, pull site
CM (not DAPE)	P-14-006863	Unknown	No	ca. 1911-1913	Water Conveyance and Control	Lower Owens River Intake. DPR not provided by Urbana.	Eligible under Criteria 1 and 3.	No project components in resource.
M	P-14-014304	Private (unidentified)	No	Pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 1.76-miles. Terminates at the Los Angeles Aqueduct.	Ineligible	Guard site, improve existing access road
M	P-14-014305	Private (unidentified)	No	Pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 15-feet wide, approximately 3.24-miles. Initiates 20-feet east of the LA Aqueduct. Terminates at the eastern banks of the Owens River.	Ineligible	Guard site, new access road; improve existing access road
CM	P-14-014306	County of Inyo	No	Pre-1907	Local Road	North Coloseum Road (Black Rock Spring Road) is a partly paved road, between 6 and 20-feet wide, that spans approximately 4.5 miles. The evaluated route initiates north from U.S. Highway 395 and terminates at Goodale Road. The	Ineligible	Pull sites, structure work area, improve existing access road

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
						southern segment between U.S Highway 395 and Blackrock Springs is a paved double-lane road (one lane on each side). A portion of the road north of the Division Creek Ditch is unmaintained and barely discernable from aerial imagery. The road provides access to private parcels and land owned by the Los Angeles Department of Water and Power.		
M	P-14-014309	Private (unidentified)	No	ca. 1948-1967	Access Road	The unnamed road is an unpaved, one-lane road, 20-feet wide, approximately 0.76-miles long. Terminates 15-feet west of a transmission line tower.	Ineligible	Improve existing access road
M	P-14-014322	Private (unidentified)	Yes	Pre-1873	Historic Route	Mazourka Canyon Road (Citrus Road) is a partially paved two-lane former wagon road, approximately 25 ft wide. Extends for approximately 17.8 miles, starting east of US Hwy 395 in Independence and terminates approximately 1.25 miles southeast of Mazourka Peak. Approximately 4.53 miles are paved.	Eligible under Criterion 1.	46 structure work areas, guard structure, access road improvement
M	P-14-014324	Private (unidentified)	Yes	ca. 1920s-1942	Historic Route	Manzanar Reward Road (Francis Road is a partially paved road, unknown width. Extends for approximately 6.70 miles. North/south segment (paved) spans 1.20 miles, the entire length of the Manzanar War Relocation Camp. East/west segment (paved for 2.40 miles) spans 5.50 miles, intersecting the Manzanar Federal Airport and terminating at an unnamed road 540 ft east of Reward, California/Inyo Mountains.	Eligible under Criterion 1.	Structure work area, access road improvements and grading
M	P-14-004589	Private (unidentified)	No	ca. 1887-1893	Water Conveyance and Control	Stevens Ditch (Stevens Canal) is an earthen irrigation system, historically 15-miles long. No associated components.	Ineligible	Structure work area, install new steel structure, improve access road
M	P-14-014350	Private (unidentified)	No	Pre-1907	Two Lane Paved Road	Lone Pine Narrow Gauge Road is a paved, two-lane road, 25-feet wide, approximately 3.36-miles long. Terminates east of the Owens River at Owenyo Lone Pine Road.	Ineligible	Improve existing access road
M	P-15-015209	CSLC; Private (unidentified); DOD NAWS China Lake, NAWS, China Lake; BLM, Ridgecrest FO; BLM, Bishop FO	Yes	ca. 1905-1910	Railroad	Southern Pacific Railroad (Southern Pacific Owenyo Branch "The Jawbone") is an historic railroad including tracks, grade and other railroad features (n=296) with a series of branches/spur lines that once spanned into 15 states for 76 miles. Two of the Southern Pacific lines are located in the area under review commencing in Lone Pine and ending north of the Randsburg Mining District: the Southern Pacific Mojave-Owenyo Branch and the U.S. Government Railroad. Components: multiple concrete culverts, concrete bridges, stone retaining walls, wooden loading dock and historic debris scatter. The Mojave-Owenyo Branch once spanned 142-miles from Lone Pine into the Fremont Valley in Kern County. The U.S. Government Railroad (an offshoot of the Mojave-Owenyo Branch) spanned approximately 16-miles, initiating east from Inyokern and terminating within China Lake Naval Base in the Argus Range. The NAWS China Lake spur	Ineligible	Structure work area; improve existing access road

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
						(FT2-BA-45H) was constructed before 1944 has been removed after 1973 but is still visible to an extent retaining integrity of location and setting because it has not appreciably changed route or location since its construction.		
M	P-14-014348	Private (unidentified)	Yes	Pre-1907	Freeway/U.S Highway/ State Route	California State Route 136 is a paved, two-lane road, 23-feet wide, approximately 17.5-miles long.	Ineligible	Improve existing access road
M	P-14-014351	Private (unidentified); BLM, Bishop FO	Yes	Pre-1947	Access Road	The unnamed road is an unpaved, one-lane road, 10-feet wide, approximately 1.22-miles long. The road initiates east from an unnamed road, intersects the old Southern Pacific Railroad bed and terminates at a transmission line access road.	Ineligible	Improve existing access road
M	159	Unknown	Yes	Pre-1947	Historic Route	Lubkin/Lubken Canyon Road is a partially paved road, approximately 17-25 ft wide. Extends for a total length of 7.38 miles. Segments are interrupted by U.S. Route 395. Western segment is 25 ft wide and extends from U.S. Route 395 to Horse Meadows Road; eastern segment is 17 ft wide and extends from U.S. Route 39 to Inyo County Assessor's Parcel No. 026-210-09.	Eligible under Criterion 1.	Guard structure, structure work area adjacent, access road grading or improvement
M	P-14-014352	Private (unidentified); BLM, Bishop FO	Yes	Pre-1947	Local Road	The unnamed road is an unpaved, one-lane road, 20-feet wide, approximately 2.76-miles long. Terminates at an unnamed road just north of the dry Owens Lake bed.	Ineligible	Improve existing access road
FF (not DAPE)	P-14-008844	Private (unidentified); BLM Ridgecrest FO	Yes	1927	Substation	SCE Haiwee Substation Complex (Haiwee Powerhouse) is a 5.4MW hydroelectric substation complex. Components within API include a cast concrete power plant, three fenced substations containing transformers, powerlines, wooden water tank, surge chamber, portion of buried penstock, open concrete-lined canal, buried aqueduct, residential structure, garage, shed, valve boxes, driveways and parking areas, portion of rock retaining wall, rain gauge, and associated artifacts.	Eligible under Criterion 1.	No project components in resource.
FF	P-14-014397	Private (unidentified); BLM Ridgecrest FO	Yes	Pre-1947-1967	Local Road	Dunmovin Road is an unpaved, one-lane road, 15-feet wide, approximately 2.6-miles long. The road initiates west from the Second Los Angeles Aqueduct, travels over the Los Angeles Aqueduct, through the unincorporated town of Dunmovin. Road terminates at an open pit mine in the east.	Ineligible	One structure work area; improve existing access road
FF	P-14-014398	Private (unidentified); BLM Ridgecrest FO	Yes	ca. 1947-1975	Access Road	The unnamed road is an unpaved road, 15-feet wide, approximately 1.1-miles. The road runs south of a building located north of the Terra-Gen Power Facility and shares 266-feet with the access road to SCE Bishop Creek to San Bernardino “Tower Line”.	Ineligible	Pull site, new unpaved access road
FF	P-14-014399	BLM Ridgecrest FO	Yes	ca. 1913-1947	Access Road	The unnamed road is an unpaved road, 15-feet wide, approximately 2.34-miles long. Terminates at a wash southwest of the Terra-Gen Power Facility.	Ineligible	Structure work area, new unpaved access roads

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
FF	P-14-014417	BLM Ridgecrest FO	Yes	ca. 1939-1948	Two Lane Paved Road	Gill Station Coso Road is a partially paved, two-lane road, 20-feet wide, approximately 11-miles long. Initiates from U.S. Highway 395 and continues east as a paved road for approximately 5.55-miles. The road continues unpaved. Terminates at a fork east of Coso Hot Springs.	Ineligible	Improve existing access roads
FF	P-14-014418	BLM Ridgecrest FO	Yes	Pre-1948	Access Road	The unnamed road is an unpaved, one-lane road, 7-feet wide, approximately 4-miles long. Terminates at the First Los Angeles Aqueduct.	Ineligible	Adjacent to multiple new unpaved access roads.
FF	P-14-014420	Private (unidentified); BLM Ridgecrest FO	Yes	ca. 1948-1954	Local Road	Cinder Road is a partially-paved road, width unknown, approximately 9-miles long. Terminates at Fossil Falls Access Road within Twin Mountain Rock Venture.	Ineligible	Improve existing access roads
FF	P-14-007130	DOD NAWS China Lake, NAWS, China Lake; BLM, Ridgecrest FO	Yes	ca. 1912	Other	This north-south oriented, linear retaining wall lines the west drainage bank east of U.S. Highway 395 near the base of a basalt escarpment. The wall is approximately 45-meters long and 3 to 4-feet tall composed of large volcanic rocks stacked at least 4 tiers high that partially enclose the east side of a transmission line tower (T-856). Associated Artifacts include biface reduction obsidian flakes (n=2) and sanitary cans (n=3).	Ineligible	Pull site
CM	906	County of Inyo	Yes	Pre-1947	Local Road	Birch Creek Road is an unpaved route, approximately 15 feet wide, extending for approximately 1.72 miles along the northern banks of Birch Creek. Birch Creek Road provides access to a small handful of private residences and is one of several roads that provide access to mines located in the Fish Springs Mining District.	Ineligible	Guard site, structure work area
CM	918	County of Inyo	Yes	Pre-1947	Local Road	Fuller Road is a paved road, approximately 15 feet wide, extending for approximately 2.57 miles. The road spans between Inyo County Assessor's Parcel No. 018-240-04 and an unnamed road fork located on Parcel No. 018-350-08. A small portion of the road east of Tinehama Road is unmaintained and no longer in-use.	Ineligible	Improve existing access road
CM	920	County of Inyo	No	ca. 1947-1977	Access Road	Tinemaha Creek Road is an unimproved road, between approximately 7 to 10 feet wide, extending for approximately 0.55 miles. The road initiates west from an SCE transmission line road.	Ineligible	Improve existing access road
CM	921	County of Inyo	No	Pre-1947	Access Road	The unnamed road is an unimproved road, approximately 7 feet wide, extending for approximately 1.21 miles. The road initiates west from an SCE transmission line road and terminates towards the far west end of Inyo County Assessor's Parcel No. 018-240-06.	Ineligible	No project components in resource.
CM	922	County of Inyo	Yes	ca. 1947-1977	Access Road	The unnamed road is an unimproved route, approximately 7 feet wide, extending for approximately 3.48 miles. The road initiates west from SCE transmission line	Ineligible	No project components in resource.

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
						road and terminates towards the far west end of Inyo County Assessor's Parcel No. 018-350-14.		
CM	923	County of Inyo	Yes	Pre-1947	Historic Route	Taboose Creek Road is an unpaved road, approximately 7 - 15 ft wide. Two discontiguous segments located on the northern and southern sides of Taboose Creek. Segment 1, north of Taboose Creek, extends from Tinemaha Road/ Aberdeen Station Road and terminates at the Taboose Pass Trail Head; Segment 2, south of Taboose Creek, extends from Tinemaha Road and Old Hwy 395. The road, in its entirety, has a length of 5.1 miles.	Eligible under Criterion 1.	Improve existing access roads
CM	924	Unknown	No	ca. 1947-1977	Other	Taboose Creek Campground is a secluded, minimalist campground, located along the banks of Taboose Creek, south of Big Pine. The campground includes a total of 35 camping sites (along both sides of the creek) for tents and RV's, picnic tables, fire grills, and vaulted toilets.	Ineligible	No project components in resource.
CM	925	County of Inyo	Yes	Pre-1947	Historic Route	Old Highway 395 is a historic federal highway established developed based on old trails and existing stagecoach routes and eventually extended between the Canadian and Mexican borders. Portions of the historic route were realigned and replaced with more direct segments. Today, active segments of the historic route have been commemorated with the installation of “Historic Route” signs. The evaluated segment of Old Highway 395 is partially paved, approximately 20 feet wide, extending for approximately 2.42 miles. This segment is no longer maintained and no longer retains integrity.	Ineligible	New overhead conductors
CM	926	County of Inyo	Yes	Pre-1947	Two Lane Paved Road	Goodale Road is a paved two-lane route, approximately 20 feet wide, that spans for approximately 3.67 miles connecting the Los Angeles Aqueduct and an unnamed road. Goodale Road was named after Ezra M. Goodale, an early settler of the Owens Valley who acquired several acres of land through the Homestead Act.	Ineligible	Pull site, improve existing access road
CM	929	County of Inyo	Yes	Pre-1947	Local Road	Goodale Creek Road is an unpaved road, between approximately 15 to 20 feet wide, that spans for approximately 6.22 miles connecting unnamed road located on Inyo County Assessor's Parcel No. 021-060-05 and Goodale Creek.	Ineligible	Improve existing access road
CM	930	County of Inyo	No	ca. 1947-1977	Access Road	The unnamed road is an unpaved route, approximately 7 feet wide, that spans for approximately 1.87 miles connecting N. Coloseum Road and the headgates to the Los Angeles Aqueduct.	Ineligible	Improve existing access road
M	935	County of Inyo	No	ca. 1947-1977	Access Road	The unnamed road is an unpaved road, approximately 0.5 miles long connecting the Owens River and the Molvier Canal.	Ineligible	Structure work area
M	939	County of Inyo	No	Pre-1947	Water Conveyance and Control	The Eclipse Ditch is a non-operational 11 mile earthen ditch and dirt berm that spans along the east side of the Owens Valley, approximately 15 feet wide and an average of 8 feet deep. The ditch was constructed to convey water to the Eclipse	Ineligible	Structure work area; improve existing access roads;

Alternative	Res. Number	Landowner	BLM Land?	Date Range	Resource Type	Alternatives Resource Description	CPUC Eligibility Determination	Impact Description
						Mill and to ranches located on the east side of the Owens Valley. Named after the Eclipse Mine (later renamed the Brown Monster Mine) from the early 1860s.		construct new access road
M	942	County of Inyo	No	ca. 1947-1977	Access Road	The unnamed road is an unpaved four wheel drive road, approximately 14 feet wide, that spans approximately 2 miles connecting Owenyo Lone Pine Road and the Owens River.	Ineligible	Intersects multiple new access roads
M	P-14-013562	Private (LADWP); County of Inyo	No	ca. 1937-1947	Other	ESA-ORWT-Built-029H is the remains of a bridge structure located on the southwestern and northeastern side of the Owens River. The feature was constructed of concrete with gravel aggregate poured in 1 foot by 1 foot increments. The concrete structure is alongside a dirt road, and perpendicular to a contemporary-era steel pedestrian bridge. The bridge abutments are the only remaining feature of the original bridge structure.	Ineligible	Improve existing access roads
FF	958	County of Inyo	Yes	ca. 1947-1976	Access Road	The unnamed road is an unpaved road, approximately 10 feet wide, that spans approximately 2.79 miles connecting Cinder Road and LADWP Owens Gorge 230kV Transmission Line. The road once led to an open pit mine.	Ineligible	Improve existing access roads
FF	959	County of Inyo	Yes	Pre-1947	Access Road	The unnamed road is a narrow, unpaved road, approximately 9 feet wide, that spans approximately 1.26 miles connecting Cinder Road and a private parcel identified. The road passes through an area historically used for mining, and may have been used to access mining facilities.	Ineligible	Improve existing access roads
	960	County of Inyo	Yes	Pre-1947	Access Road	The unnamed road is a narrow, unpaved road, approximately 17 feet wide, that spans approximately 1.54 miles connecting the LADWP Owens Gorge 230kV Transmission Line and a non-extant mining drill site.	Ineligible	Structure work area; improve existing access roads
FF	966	County of Inyo	Yes	ca. 1947-1976	Local Road	The unnamed road is a narrow, unpaved road, approximately 22.5 feet wide, that spans approximately 2.3 miles connecting Cinder Road and an undeveloped parcel between Volcano Peak and Little Lake.	Ineligible	
	972	County of Inyo	Yes	ca. 1947-1976	Access Road	The unnamed road is a narrow, unpaved road, approximately 12.5 feet wide, that spans approximately 0.44 miles connecting the LADWP Owens Gorge 230kV Transmission Line and two non-extant, unnamed mines.	Ineligible	Structure work area; construct new unpaved access road; improve existing access roads
CM, M, FF	974	SCE (SCE)	Yes	1970	Transmission/ Utility Line	Pacific Direct Intertie (PDCI)/Celilo-Sylmar 500 kV power system: high voltage, direct current (HVDC) powerline linking power systems between the Pacific Northwest and Southern California region. Extends from Bonneville Power Administration Celilo Converter Station (Oregon via Nevada) to the SCE Sylmar Converter Station in northern Los Angeles County, a length of 846 miles.	Eligible under Criteria 1 and 3.	Pull sites, improve existing access roads

Table Ap.5-14. Built Environment Resources on Alternatives with Potential for Visual Impacts

Alternative	Only in the Visual APE?	Res. #	Date Range	Resource Type	Poles Visible from Resource?	Characteristic Sensitive to Visual Impact
Crater Mountain, Manzanar, Fossil Falls	No	P-36-010316/ CA-SBR-10316H	ca. 1911-1913	Transmission/Utility Line	Yes	Setting, Feeling, Association
Crater Mountain	Yes	P-14-004682	ca. 1880s-1893	Water Conveyance and Control	Yes	Setting, Feeling, Association
Crater Mountain, Manzanar	Yes for Crater Mountain and Manzanar	P-14-005194	ca. 1880s	Railroad	Yes	Setting, Feeling, Association
Crater Mountain, Manzanar, Fossil Falls	Yes for Manzanar and Fossil Falls	P-36-007545/ CA-SBR-7545H	ca. 1915-1947	Freeways, U.S Highways, State Routes	Yes	Setting, Feeling, Association
Crater Mountain, Manzanar, Fossil Falls	Yes for Fossil Falls only	P-14-004591/ CA-INY-4591H	Pre-1913	Water Conveyance and Control	Yes	Setting, Feeling, Association
Crater Mountain	No	P-14-006863	ca. 1911-1913	Water Conveyance and Control	Yes	Setting, Feeling, Association
Manzanar	No	P-14-014322	Pre-1873	Historic Route	Yes	Setting, Feeling, Association
Manzanar	No	P-14-014324	ca. 1920s-1942	Historic Route	Yes	Setting, Feeling, Association
Manzanar	No	159	Pre-1947	Historic Route	Yes	Setting, Feeling, Association
Fossil Falls	Yes	P-14-008844	1927	Substation	Yes	Setting, Feeling, Association
Crater Mountain	No	923	Pre-1947	Historic Route	Yes	Setting, Feeling, Association
Crater Mountain, Manzanar, Fossil Falls	No	974	1970	Transmission/Utility Line	Yes	Setting, Feeling, Association

Appendix 5B

NATIVE AMERICAN CONSULTATION

Appendix 5B contains the following information related to EIR Section 3.7, Tribal Cultural Resources:

- **Part 1**: Summary of Individual Consultation with each Tribe from December 2018 through March 2026 (at the time of publication of the Draft EIR)
- **Part 2**: Correspondence with the Native American Heritage Commission (November – December 2018)
- **Part 3**: Assembly Bill 52 Notification Letters

Part 1:

SUMMARY OF INDIVIDUAL CONSULTATION WITH EACH TRIBE FROM DECEMBER 2018 THROUGH 2026

PART 1: SUMMARY OF INDIVIDUAL CONSULTATION WITH EACH TRIBE FROM DECEMBER 2018 THROUGH 2025

Introduction

As described in EIR Section 3.7, Native American consultation for the Ivanpah-Control Project began in late 2018, when SCE submitted its draft Proponent's Environmental Assessment to the CPUC. SCE submitted its formal Permit to Construct (PTC) application for the Project to the CPUC on July 17, 2019. SCE subsequently submitted two amended applications (on April 13, 2020 and on October 31, 2024).

Formal consultation was initiated with the consulting tribes in 2020 and 2021. After that time, due to project revisions, development of alternatives, and the time required to complete cultural resources surveys and reports, the CEQA process has extended several more years. In addition, the CEQA process was extended due to SCE's change in the project alignment and to accommodate the time required for cultural resources surveys and investigations. During this time, there were periods of inactivity in the consultation process.

Based on requests from consulting tribes, site visits were made to portions of Segment 1 (Inyo County) within the Owens River Valley.

Consultation with individual tribes is detailed in the following sections, including project information provided before the initiation of formal consultation. The information provided by the consulting tribes was considered in the analysis of effects on tribal cultural resources (EIR Section 3.7) and in the development of the mitigation measures presented in EIR Section 3.6 (Cultural Resources) and EIR Section 3.7 (Tribal Cultural Resources). The consultation process will continue through and after the public review period for the Draft EIR, allowing additional time for comments on mitigation measures.

Summary of Consultation Activities with Each Tribe

5B.1 Big Pine Paiute Tribe of the Owens Valley

- December 14, 2018: The CPUC mailed the Tribe a notice requesting pre-filing input.
- March 12, 2020: The CPUC spoke with the Tribe about having a joint-tribe meeting (with other Owens Lake tribes) in Bishop.
- May 2020: An email regarding BLM data-sharing agreements was sent to the Tribe. Also on May 2020, the Tribe participated in a joint meeting with CPUC explaining SCE's proposed construction of the Ivanpah-Control and Control-Silver Peak Projects.
- **August 25, 2020: The CPUC initiated formal consultation** with a mailed formal AB 52 notification which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- September 28, 2020: The Tribe requested formal consultation.
- October - November 2020: CPUC held two meetings and multiple email exchanges with the Tribe discussing an overview of the Project, AB 52 consultation process, and Google Earth data available for the Tribe to review.
- December 2021: CPUC sent the Tribe a project status update, a summary of the cultural studies information on the Class III cultural resources inventory report, and information about archeological testing that would occur in early 2022.
- December 26, 2023: CPUC emailed the Tribe a notice to schedule an in-person consultation meeting.
- September 25, 2024: CPUC called the Tribe to schedule a consultation meeting.

- October 2024: CPUC sent the Tribe a series of emails containing a request to schedule consultation meetings, a letter detailing a basic project description, geographic data (KMZ) files of all project components and ethnographic research, and an Excel file of a summary table of cultural resources along the proposed and alternative alignments. On October 14, 2024, the Tribe was informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing references cited for ethnographic research, a request to schedule meetings, and requests to gauge interest and input for participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2024: CPUC sent the Tribe a series of emails containing a map of the site visit route and two Excel files of summary tables for original and revised sites selected for Segment 1 site visit. CPUC and the Tribe held a series of calls to discuss alternatives and the CPUC requested input on mitigation measures.
- January – March 2025: CPUC and the Tribe exchanged a series of emails providing updates on alternatives, logistics for the Segment 1 site visit, and data sharing protocols.
- April 2025: CPUC and the Tribe conducted a site visit for Segment 1 from April 15-17. CPUC and the Tribe exchanged a series of emails prior to and after the site visit regarding details of the site visit. CPUC and the Tribe held a site visit debrief meeting on April 28 via Zoom.
- July – August 2025: CPUC and the Tribe exchanged a series of emails regarding mitigation measures, and GIS files related to the Project.
- July 29, 2025: CPUC and the Tribe held a virtual meeting.
  - Mitigation Request: The Tribe requested mitigation measures including community benefit program, language class, curation facility funding, tribal monitoring training, or vehicle for tribal monitors. The Tribe also indicated that they prefer reburial of tribal cultural resources in place in all feasible locations. In response to the Tribe's requests, the mitigation measures presented in the Draft EIR include MM CUL-1a (Develop Data Recovery Plans for Known Historical Archaeological Resources) which includes provision to rebury tribal cultural resources in place or near the project to the extent feasible and MM TCR-1b (Provide Funding to Tribes for Research, Education, and Interpretation).
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026. On December 3, 2025, and January 2, 2026, the Tribe responded that they had received the draft mitigation measures and that they would review them, but no comments were submitted to the CPUC.

5B.2 Bishop Paiute Tribe

- December 14, 2018: The CPUC mailed and emailed notice requesting pre-filing input and emailed a project fact sheet to the Tribe.
- October – November 2019: CPUC sent further pre-consultation notices via mail and email to the Tribe.
- January 23, 2020: The Tribe sent a request for formal consultation via email to the CPUC.
- March 12, 2020: The CPUC spoke with the Tribe about a potential joint-tribe (with other Owens Lake tribes) meeting in Bishop.
- May 2020: The CPUC sent the Tribe an email regarding BLM data-sharing agreements, and the Tribe participated in a joint meeting for the proposed Ivanpah-Control and Control-Silver Peak Projects[1].

[1] The Control-Silver Peak Project is a similar proposed transmission line by SCE currently under review by the CPUC. The Control-Silver Peak Project affects similar Tribes as the Ivanpah-Control Project.

- **August 25, 2020: The CPUC initiated formal consultation** with a mailed formal AB 52 notification, which included a brief description of the Proposed Project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- December 18, 2020: CPUC and Tribe held a zoom meeting regarding an overview of the Project, CPUC review process, and AB 52 consultation process.
- December 2021: CPUC sent the Tribe an email containing a project status update, a summary of the cultural studies, information on the Class III Inventory report, and information about archeological testing that would occur in early 2022.
- September 25, 2024: CPUC and the Tribe held a call to schedule a consultation meeting.
- October 2024: CPUC sent an email to the Tribe requesting to schedule meetings. Further email correspondence from CPUC to the Tribe also contained a letter detailing a basic project description, KMZ files of all project components, ethnographic research, and an Excel file of a summary table of cultural resources along the proposed and alternative alignments. On October 14, 2024, the Tribe was informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing references cited for ethnographic research, a request to schedule meetings, a request to provide input on participation in a site visit to Segments 1, 2, 3N, and 3S.
- December 2024 – February 2025: CPUC sent the Tribe a series of emails containing a map of the site visit route and two XLSX files of summary tables for original and revised sites selected for Segment 1 site visit. CPUC requested input on mitigation measures and site visit details.
- March 2025: CPUC and the Tribe exchanged a series of emails and text messages regarding the confirmation of the April site visit and details of the site visit.
- April 2025: CPUC and the Tribe conducted a site visit for Segment 1 from April 15-17. CPUC sent the Tribe a series of emails prior to and after the site visit regarding details of the site visit. CPUC and the Tribe held a site visit debrief meeting on April 28 via Zoom.
- July – August 2025: CPUC and the Tribe exchanged a series of emails regarding mitigation measures related to the Project and requested project data.
  - Mitigation Request: The Tribe requested a mitigation measure for repatriation funds. The Draft EIR includes Mitigation Measure TCR-1b (Provide Funding to Tribes for Research, Education, and Interpretation), which would make funds available to tribes for efforts like this.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response was received.

5B.3 Cocopah Indian Tribe

- December 14, 2018: CPUC sent a notice to the Tribe requesting pre-filing input.
- October 22, 2019: CPUC sent a follow up pre filing request to the Tribe.
- November 15, 2019: The Tribe confirmed receipt of Pre-Consultation Notice.
- March 10, 2020: CPUC emailed the Tribe an updated fact sheet with project changes and a KMZ file.
- May 1, 2020: CPUC sent the Tribe an email regarding BLM data-sharing agreements.
- January 26, 2021: CPUC held a call with the Tribe and the Tribe indicated they were interested in consultation and requested more information about the Project. The CPUC provided pre-consultation notices and Google Earth data about the Project.
- January 27, 2021: The Tribe requested formal consultation via email.

- **February 1, 2021: CPUC initiated formal consultation with the Tribe** via a mailed formal AB 52 notification which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- December 17, 2021: CPUC sent the Tribe a series of emails containing a project status update, a summary of the cultural studies, information on the Class III inventory report, information about archaeological testing that would occur in early 2022.
- December 26, 2023: CPUC emailed notice for in-person consultation meetings January 8 and 9, 2024, in Barstow and Ridgecrest. The Tribe responded and stated they would not be in attendance for the in-person meeting but requested current summaries of the Project and notes from the meeting.
- January 8, 2024: The CPUC provided the request materials and meeting notes.
- October 14, 2024: CPUC sent the Tribe an email requesting to schedule meetings and a letter detailing a basic project description. The Tribe was informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC and the Tribe exchanged a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings and a request to gauge interest for participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response was received.

5B.4 Colorado River Indian Tribes

- December 14, 2018: CPUC mailed the Tribe a notice requesting pre-filing input.
- January 8, 2019: The Tribe responded with a request for consultation and forms of mitigation:
  - Mitigation Request: Tribe requests resource avoidance and mitigation, notification regarding tribal monitoring opportunities and pedestrian surveys. The Draft EIR includes Mitigation Measures CUL-1a (Develop Data Recovery Plans for Known Historical Archaeological Resources), CUL-1f (Tribal Monitoring), CUL-1g (Remove Structures by Helicopter in Culturally Sensitive Areas), CUL-1h (Leave All Foundations in Place for Structures Removed in Culturally Sensitive Areas), and CUL-1i (Avoid Disturbance Within Environmentally Sensitive Areas).
- October 22, 2019: CPUC sent a Pre-Consultation Notice to the Tribe.
- November 26, 2019: The Tribe confirmed receipt of the Pre-Consultation Notice.
- January 8, 2020: The Tribe request formal consultation via email.
- January 29, 2020: The Tribe mailed CPUC a letter requesting consultation and to schedule an informal meeting. CPUC sent a response to the Tribe to begin scheduling the meeting and provided an updated fact sheet with project changes and a KMZ file.
- May 1, 2020: CPUC sent the Tribe an email regarding BLM data-sharing agreements.
- May 26, 2020: The Tribe sent CPUC an email in response to the data sharing agreements and noted that the Tribe is "interested in the Project and we are concerned about the potential impact to cultural resources extending from the Coolwater Subdivision to Ivanpah Substation."
- June 7, 2020: The Tribe emailed BLM regarding the data sharing agreement and provided a copy to CPUC team members.
- **August 25, 2020: The CPUC initiated formal consultation with the Tribe** via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.

- September 25, 2020: The Tribe requested an extension of the NOP comment period through October 9, 2020.
- September 29, 2020: CPUC granted the Tribe's requested extension.
- November 20, 2020: The Tribe requested consultation via a phone call with CPUC.
- November 30, 2020: CPUC emailed the Tribe with proposed dates for a consultation meeting.
- February 2, 2021: CPUC gave a 15-minute presentation on the project to the Tribe. The Tribe requested that no further meetings occur until the Tribe had the opportunity to review the final Archaeological Inventory Report (Class III Inventory Report).
- December 17, 2021: CPUC provided the Tribe with a project status update, a summary of the cultural studies, the Class III Inventory Report, and information about archeological testing that would occur in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- September 26, 2024: CPUC held a call with the Tribe to schedule a consultation meeting.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, and a request to schedule meetings via phone, and a request for input on site visits to Segments 1, 2, 3N, and 3S.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026, In response to the Tribe's request in January 2019, the draft mitigation measures include Mitigation Measures CUL-1a (Develop Data Recovery Plans for Known Historical Archaeological Resources), CUL-1f (Tribal Monitoring), MM CUL-1g (Remove Structures by Helicopter in Culturally Sensitive Areas), CUL-1h (Leave All Foundations in Place for Structures Removed in Culturally Sensitive Areas), and CUL-1i (Avoid Disturbance Within Environmentally Sensitive Areas).

5B.5 Fernandeño Tataviam Band of Mission Indians

- **September 14, 2020: The CPUC initiated formal consultation** via mailed formal AB 52 notification which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- September 24, 2020: The Tribe requested formal consultation via email.
- October 2, 2020: The CPUC mailed and emailed the formal AB 52 initiation letter to the Tribe.
- January 14, 2021: The Tribe informed the CPUC via phone call that they prefer to schedule a meeting after the Tribe reviews the final archaeological inventory report (Class III Inventory Report).
- December 17, 2021: CPUC emailed the Tribe a notice with a project status update, a summary of the cultural studies, the Class III inventory report, and information about archeological testing that would occur in early 2022.

- December 26, 2023: CPUC emailed a notice to the Tribe regarding an in-person consultation meeting with CPUC.
- **January 2, 2024: The Tribe responded that the Cultural Resources Management Division of the Tribe would not be requesting consultation pursuant to AB 52 for the Project.**
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in a site visit to Segments 1, 2, 3N, and 3S.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.6 Fort Independence Band of Paiute Indians

- December 14, 2018: CPUC mailed the Tribe notice requesting pre-filing input via mail.
- December 1, 2019: The Tribe requested that they be included in consultation on the Project.
- October 22, 2019: CPUC informed the Tribe that the application from SCE was deemed incomplete and that consultation would not occur until within 14 days of deeming the application complete. CPUC also provided an overview of the Project and Project map.
- January 29, 2020: CPUC emailed the Tribe an updated fact sheet with known project changes and a KMZ file.
- February 20, 2020: CPUC and the Tribe held a call and CPUC provided an overview of the Project, Section 106 and Ab 52 consultation process, and future meetings. The Tribe shared information on the Owens Lake Historic Shoreline and other recent projects the Tribe has participated in.
  - Mitigation Request: Mitigation measures including funding for tribal curation and preservation facilities. The Draft EIR includes Mitigation Measure TCR-1b (Provide Funding to Tribes for Research, Education, and Interpretation), which would make funds available to tribes for efforts like this.
- May 2020: CPUC sent the Tribe an email regarding BLM data-sharing agreements. The Tribe also participated in a joint meeting for Ivanpah-Control and Control-Silver Peak projects.
- **August 26, 2020: The CPUC initiated formal consultation** with the Tribe via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- November 7, 2020: The Tribe formally requested consultation via email.
- November 10, 2020: A virtual meeting was held with the Tribe and the CPUC. CPUC and the Tribe discussed the consultation process, resource designation and nomination, and Google Earth data.
- December 17, 2021: CPUC emailed the Tribe with a project status update, a summary of the cultural studies, the Class III inventory report, and information about archeological testing that would occur in early 2022. The Tribe did not reply.
- October 2024: CPUC sent the Tribe a series of emails requesting to schedule meetings, a letter detailing a basic project description, KMZ files of all project components and ethnographic research, and an Excel file of a summary table of cultural resources along the proposed and alternative alignments. On October 14, 2024, the Tribe was informed that Segment 4 had been omitted from the Project.

- November 2024: CPUC sent the Tribe a series of emails containing references cited for ethnographic research, a request to schedule meetings, and a request for input on site visits to Segments 1, 2, 3N, and 3S. A meeting was held with the Tribe to discuss selected sites for the Segment 1 site visit and an Excel file of a summary table of selected sites was shared.
- December 2024: CPUC sent the Tribe a series of emails containing a PDF map of the site visit route and two XLSX files of summary tables for original and revised sites selected for Segment 1 site visit.
- March 2025: The Tribe requested a meeting with CPUC Commissioner Douglas, and a meeting was held to discuss the Tribe's concerns about the project.
- April 2025: A site visit for Segment 1 was held from April 15-17. CPUC sent the Tribe a series of emails prior to and after the site visit regarding details of the site visit. A virtual site visit debrief meeting was held on April 28.
- July 2025: CPUC and the Tribe exchanged a series of emails regarding mitigation measures related to the Project and requested project data.
- August 2025: Two virtual meetings were held with the Tribe and CPUC. On August 4 and 19, the Tribe provided the following requests:
  - Mitigation Request: Measures related to inadvertent discovery and a reburial plan. The Tribe also suggested mitigation measures related to a funded GIS program and use of cadaver dogs for archaeological investigations. In responses to the Tribe's request, the potential use of Historical Human Remains Detection (HHRD) dogs as a method to determine the potential presence of human remains, the concept was further investigated by the CPUC team and Mitigation Measure CUL-1d was revised to present an option for SCE to use HHRD dogs before the start of ground disturbance. In addition, Mitigation Measure CUL-1d (Prepare and implement a Cultural Resources Management Plan) currently requires SCE to pay fees associated with reburial or curation for artifacts."
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026. On January 13, 2026, a virtual meeting was held between the CPUC and the Tribe. The meeting included a discussion of the draft mitigation measures. The Tribe provided feedback regarding the mitigation measures related to Tribal monitoring and the funding program. On January 23, the Tribe sent an email expressing concerns about archaeological testing.
- February 2026: On February 3 and February 9, the CPUC held virtual meetings and with the Tribe to discuss potential testing of sites along alternative routes.

5B.7 Fort Mojave Indian Tribe

- December 14, 2018: The CPUC mailed the Tribe notice requesting pre-filing input.
- December 20, 2019: The Tribe requested formal consultation via email.
- May 1, 2020: CPUC sent an email to the Tribe regarding BLM data-sharing agreements.
- **August 25, 2020: The CPUC initiated formal consultation** with the Tribe via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- November 24, 2020: CPUC mailed and emailed formal AB 52 consultation initiation notice to the Tribe.
- February 25, 2021: A virtual meeting was held between the CPUC and the Tribe. CPUC provided an overview of the Project and discussed AB 52 consultation with the Tribe.
- March 8, 2021: CPUC emailed the Tribe KMZ files of the Project alignment, direct and indirect APE/API, and a definition of the APE/API.

- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- October 2024: CPUC sent a series of emails to the Tribe including a request to schedule meetings and a letter detailing a basic project description, a summary table of project tribal cultural resources, Google Earth data, and ethnographic information. On October 14, 2024, the Tribe was informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2024: CPUC sent the Tribe a series of emails providing a PPT file of project summary from a January 2024 meeting, an Excel file of a summary table of selected sites, a PDF map of the site visit route, and two XLSX files of summary tables for original and revised sites selected for the Segment 1 site visit.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.8 Kern Valley Indian Community

- December 14, 2018: CPUC mailed the Tribe a notice requesting pre-filing input.
- October 22, 2019: CPUC sent the Tribe a follow up pre-filing input notice.
- November 18, 2019: The Tribe requested another copy of the Pre-Consultation notice. CPUC sent the Tribe another copy.
- March 9, 2020: The Tribe requested formal consultation via phone and indicated they were interested in tribal monitoring and discussing project details. CPUC sent the Tribe an updated fact sheet with known project changes and a KMZ file.
- May 1, 2020: CPUC emailed the Tribe regarding BLM data-sharing agreements.
- **August 25, 2020: The CPUC initiated formal consultation** with the Tribe via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- December 1, 2020: The Tribe confirmed that they would like to consult via phone call.
- December 4, 2020: CPUC mailed AB 52 initiation letter to the Tribe.
- January 26, 2021: A virtual meeting was held with the Tribe and the CPUC. CPUC provided an overview of the Project and discussed the AB 52 consultation process.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of cultural studies, information on the Class III inventory report, and information about archeological testing that would occur early 2022 was sent to the Tribe via email.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.

- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- January 16, 2024: A phone call was held with the Tribe.
  - Mitigation Request: The Tribe provided requests for Tribal monitoring of the Project, for reburial of artifacts, and to not excavate tower footings. These requests are incorporated into the mitigation measures presented in the Draft EIR in Mitigation Measures CUL-1d (Prepare and Implement a Cultural Resources Management Plan), CUL-f (Tribal Monitoring), and CUL-1h (Leave All Foundations in Place for Structures Removed in Culturally Sensitive Areas).
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3N, a PPT file of project summary from a January 2024 meeting, an Excel file of a summary table of selected sites, and a PDF map of the site visit route.
  - Mitigation Request: The Tribe provided additional requests for avoidance, protection in place, and to leave concrete tower footings in place. These requests are incorporated into the mitigation measures presented in the Draft EIR.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.9 Lone Pine Paiute-Shoshone Tribe

- December 14, 2018: CPUC mailed notice requesting pre-filing input to the Tribe.
- November 18, 2019: The Tribe requested a copy of December 14, 2018, pre-consultation notice via phone. CPUC resent pre consultation notice.
- March 12, 2020: The CPUC spoke with the Tribe about having a joint Tribe meeting in Bishop.
- May 5, 2020: CPUC emailed the Tribe regarding BLM data-sharing agreements. The Tribe participated in a joint meeting for the Ivanpah-Control and Control-Silver Peak projects.
- **August 26, 2020: CPUC initiated formal consultation** with the Tribe via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- February 18, 2021: A Zoom meeting was held with the Tribe and the CPUC. CPUC provided an overview of the Project and discussed the AB 52 consultation process, Tribal monitoring, and Google Earth data.
  - Mitigation Request: The Tribe requested that Tribal monitoring occur for all of construction.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archeological testing that would occur in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.

- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- September 20, 2024: CPUC held a call with the Tribe and provided the Tribe a project update, and coordination recommendations with BLM. The Tribe informed the CPUC that the Manzanar and Fossil Falls alternatives may affect more resources than the Proposed Project. This information was incorporated into the alternatives analysis (see Chapter 4, Alternatives). The Tribe requested summary tables of all resources, eligibility recommendations, and preliminary mitigation, and Google Earth data.
- October 14, 2024: CPUC sent the Tribe a series of emails containing a request to schedule meetings, a letter detailing a basic project description, Google Earth data of all project components and ethnographic research, and an Excel file of a summary table of cultural resources along the proposed and alternative alignments. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing references cited for ethnographic research, a request to schedule meetings, a request for input on participation in site visits to Segments 1, 2, 3N, and 3S, an improved PDF map of the site visit route, and two XLSX files of summary tables for original and revised sites selected for Segment 1 site visit.
- April 2025: CPUC and the Tribe conducted a site visit for Segment 1 from April 15-17. CPUC sent the Tribe a series of emails prior to and after the site visit regarding details of the site visit. CPUC and the Tribe held a site visit debrief meeting on April 28 via Zoom.
- July 8, 2025: CPUC sent the Tribe a series of emails regarding mitigation measures, and GIS files related to the Project.
  - Mitigation Request: The Tribe indicated they would be interested in mitigation in the form of compensatory funding of tribal projects or priorities. In response to the Tribe's requests, the mitigation measures included in the Draft EIR include TCR-1b (Provide Funding to Tribes for Research, Education, and Interpretation) and MM CUL-1f (Tribal Monitoring).
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response was received.

5B.10 Mono Lake Kutzadika Tribe

- April 1, 2020: The CPUC sent a pre-consultation notice and a project fact sheet to the Tribe.
- **August 25, 2020: The CPUC initiated formal consultation** with the Tribe via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- September 13, 2020: The Tribe formally requested consultation via email.
- October 15, 2020: A Zoom meeting was held with the Tribe and the CPUC.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archeological testing that would occur in early 2022.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed

and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segment 1, 2, 3N, and 3S.

- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.11 Morongo Band of Mission Indians

- December 14, 2018: The CPUC mailed the Tribe notice requesting pre-filing input. The Tribe indicated that the Project is in the Tribe's area of interest and asked to be included on AB 52 notifications. Further consultation occurred via email on December 24, 2018.
- January 29, 2020: CPUC sent a request for a conference call, an updated fact sheet with known project changes, and a KMZ via email.
- February 26, 2020: A call occurred with the Tribe and the CPUC. CPUC provided an overview of the Project and the AB 52 consultation, status of cultural surveys and report, coordination with BLM, and the Tribe discussed their geographic area.
  - Mitigation Request: The tribe requested mitigation involving tribal monitoring. The Draft EIR includes Mitigation Measure CUL-1f, which requires SCE to employ tribal monitors during all ground disturbing activities.
- May 1, 2020: An email was sent to the Tribe regarding BLM data-sharing agreements.
- **August 26, 2020: CPUC initiated formal consultation** with the Tribe via mailed formal AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- September 3, 2020: CPUC mailed a formal consultation notice to the Tribe.
- October 23, 2020: A virtual meeting was held with the Tribe and the CPUC. CPUC provided an overview of the Project and discussed the AB 52 consultation process with the Tribe.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archaeological testing that would occur in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- October 14, 2024: Email correspondence was sent to the Tribe containing a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.
- December 4, 2024: CPUC held a Teams meeting with the Tribe to discuss interest in possible site visits to Segments 2, 3N, and 3S and to address general concerns about the Project.

- May-June 2025: CPUC and the Tribe exchanged a series of emails regarding the status of mitigation measures related to the Project and requested project data.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.12 Quechan Tribe of the Fort Yuma Reservation

- **September 14, 2020: The CPUC initiated formal consultation** with the Tribe via a mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- November 24, 2020: The Tribe formally requested consultation via email.
- February 23, 2021: A Zoom meeting was held with the Tribe and the CPUC. CPUC provided an overview of the Project and discussed the AB 52 consultation process.
- December 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archeological testing that would occur in early 2022. The Tribe responded that they were not interested in information about archaeology testing, providing monitoring, concerns about testing efforts, or a site visit.
- December 26, 2023: CPUC emailed the Tribe regarding an in-person consultation meeting. The Tribe did not attend either January 8 or 9 meeting.
- January 16, 2024: CPUC held a call with the Tribe and provided and discussed materials form the January 8 and 9 in-person and virtual AB 52 meetings.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2024: CPUC sent the Tribe a series of emails containing an Excel file of a summary table of selected sites, an improved PDF map of the site visit route, and two XLSX files of summary tables for original and revised sites selected for Segment 1 site visit.
- December 2025 – January 2026: On December 2, 2025, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026. On December 12, 2025, the Tribe responded that they had no comments on the draft mitigation measures.

5B.13 San Fernando Band of Mission Indians

- December 14, 2018: CPUC mailed a notice requesting pre-filing input to the Tribe.
- March 9, 2020: CPUC emailed the Tribe an updated fact sheet with known project changes and a KMZ file.
- May 1, 2020: CPUC emailed the Tribe BLM data sharing agreements.
- **September 4, 2020: The CPUC initiated formal consultation** with the Tribe via mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.

- September 23, 2020: The Tribe requested formal consultation specific to Segments 3N and 3S.
- January 22, 2021: A virtual meeting was held with the Tribe and the CPUC. CPUC provided an overview of the Project and discussed the consultation process, biology reports, cultural reports, and Google Earth data. The Tribe requested a copy of the biology report.
  - Mitigation Request: The Tribe indicated they were interested in mitigation measures related to tribal monitoring, avoidance, and minimization. In response to the Tribe's requests, the mitigation measures in the Draft EIR include CUL-1a (Develop Data Recovery Plans for Known Historical Archaeological Resources), CUL-1f (Tribal Monitoring), CUL-1g (Remove Structures by Helicopter in Culturally Sensitive Areas), CUL-2h (Leave All Foundations in Place for Structures Removed in Culturally Sensitive Areas), and CUL-1i (Avoid Disturbance Within Environmentally Sensitive Areas).
- February 8, 2021: CPUC mailed the Tribe thumb drives with a PDF of the biology report.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archaeological testing that would occur in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8 and 9, 2024, in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.14 San Manuel Band of Mission Indians

- December 14, 2018: CPUC mailed the Tribe a notice requesting pre-filing input.
- January 28, 2019: The Tribe requested formal consultation via email.
- January 29, 2020: CPUC emailed the Tribe an updated fact sheet with known project changes and a KMZ file.
- February 10, 2020: A conference call was held with the Tribe and the CPUC. CPUC provided an overview of the Project and discussed the Tribe's geographic area, tribal cultural resources in the Project area, and the AB 52 consultation process.
  - Mitigation Request: The Tribe requested that pole replacement occur within the same location as existing poles in the boundaries of sensitive resources. Mitigation Measure CUL-1d (Prepare and implement a Cultural Resources Management Plan) is included in the Draft EIR; this measure requires development of a detailed approach to avoidance of known resources and for treatment of unanticipated resources that are found during construction.
- May 1, 2020: CPUC emailed the Tribe regarding BLM data-sharing agreements.

- **August 25, 2020: The CPUC initiated formal consultation** with the Tribe via mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- September 8, 2020: The Tribe again formally requested consultation via email.
- November 8, 2020: The Tribe sent an email noting that they are waiting until the archology report (Class III Inventory Report) is complete before scheduling a consultation meeting, outlining the Tribe's concerns with the BLM data sharing procedures, and inquiring about project details.
- January 6, 2021: The Tribe stated that they would prefer to meet regarding consultation after receiving the final Class III Archaeological Inventory Report.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, the Class II inventory report, and information about archaeological testing that would occur in early 2022.
- February 2022: The Tribe requested more information about the resources where testing is planned and the proposed testing methods within Segments 2-4.
  - Mitigation Request: The Tribe also strongly recommended that artifacts not be collected during Phase I and II archeological assessments.
  - The tribe further requested that if any human remains are discovered within Serrano Ancestral Territory, the Tribe would like its CRM department be notified immediately during testing. Additionally, the Tribe did not request the presence of Tribal monitors or the accommodation of site-visits. The Tribe also stated they had no objections to the proposed testing locations and asked for confirmation on if and how previous concerns about the testing plan summary were addressed.
  - In response to the Tribe's requests, the mitigation measures presented I the Draft EIR include CUL-1a (Develop Data Recovery Plans for Known Historical Archaeological Resources), CUL-1d (Prepare and Implement a Cultural Resources Management Plan, which addresses assessment, treatment, and notification in the event that human remains are discovered), CUL-1f (Tribal Monitoring), CUL-1g (Remove Structures by Helicopter in Culturally Sensitive Areas), CUL-1h (Leave All Foundations in Place for Structures Removed in Culturally Sensitive Areas), and CUL-1i (Avoid Disturbance Within Environmentally Sensitive Areas).
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8-9, 2024, in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary. The Tribe responded that only a portion of the Project lies within the Tribe's ancestral territory and that they were interested in attending the meeting with the understanding that the meeting would focus on encroaching areas.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- September 26, 2024: CPUC called the Tribe to schedule an AB 52 meeting.
- October 2024: CPUC sent the Tribe a series of emails containing a request to schedule meetings, a letter detailing a basic project description, KMZ files of all project components, ethnographic research, and an Excel file of a summary table of cultural resources along the proposed and alternative alignments. On October 14, 2024, the Tribe was informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails requesting to schedule meetings and to request input on participation in site visits to Segments 1, 2, 3N, 3S.

- December 2024: Email correspondence was sent to the Tribe containing a PDF map of the site visit route. The Tribe responded with an area of interest and shared information on resources within the area of interest.
- January – March 2025: CPUC sent the Tribe a series of emails regarding site visits, alternatives, and project data sharing.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.15 Tejon Indian Tribe

- December 14, 2018: CPUC mailed the Tribe a notice requesting pre-filing input.
- October 2019: The Tribe requested formal consultation via email. The Tribe also requested zoomed-in maps. In addition, the Tribe provided information regarding ethnohistory via email. Also:
  - Mitigation Request: The Tribe requested that the survey crew include one or more qualified Tribal Cultural Specialists and/or Professional Archaeologists in the project survey crews in Kern County. In response to the Tribe's request, the Draft EIR includes mitigation measure MM CUL-1f (Tribal Monitoring).
- November 4, 2019: The CPUC emailed maps and KMZ files and forwarded the Tribe's requests to SCE.
- April 14, 2020: An initial conference call was held with the Tribe and the CPUC.
- May 1, 2020: CPUC emailed the Tribe BLM data-sharing agreements.
- **August 26, 2020: The CPUC initiated formal consultation** with the Tribe via mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- October 19, 2020: The Tribe again requested formal consultation via email.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archaeological testing that would occur in early 2022.
- February 16, 2022: The Tribe emailed CPUC stating that they had been working to ensure that the proper Tribes are receiving monitoring work associated with archaeological testing for the Project. They arranged for 2 days of monitoring work to be transferred from Tejon to the Kern Valley Indian Community for the Project.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- September 26, 2024: CPUC called the Tribe to schedule an AB 52 meeting.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed

and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.

- December 2024: CPUC sent the Tribe a series of emails containing an Excel file of a summary table of selected sites, a PDF map of the site visit route, and two XLSX files of summary tables for original and revised sites selected for the Segment 1 site visit.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.16 Timbisha Shoshone Tribe

- December 14, 2018: CPUC mailed the Tribe a notice requesting pre-filing input.
- January 7, 2019: The Tribe requested formal consultation via email. CPUC emailed the Tribe an updated fact sheet with known project changes and a KMZ file.
- May 1, 2020: BLM data sharing agreements were sent to the Tribe via email.
- **August 26, 2020: The CPUC initiated formal consultation** with the Tribe via mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- November 6, 2020: The Tribe requested formal consultation.
- November 18, 2020: CPUC held a virtual meeting with the Tribe. CPUC provided a Project overview and discussed consultation, BLM coordination, and resources of interest to the Tribe.
  - Mitigation Request: The Tribe requested mitigation related to tribal monitoring. In response to the Tribe's request, the Draft EIR includes mitigation measure MM CUL-1f (Tribal Monitoring).
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archeological testing that would occur in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8th and 9th in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meeting, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2024: CPUC sent the Tribe a series of emails containing a PDF map of the site visit route and two XLSX files of summary tables for original and revised sites selected for the Segment 1 site visit.
- April 2025: CPUC and the Tribe conducted a site visit for Segment 1 from April 15-17. CPUC sent the Tribe a series of emails prior to and after the site visit regarding details of the site visit. CPUC and the Tribe held a site visit debrief meeting on April 28 via Zoom.

- July 2025: CPUC and the Tribe exchanged a series of emails regarding the status of mitigation measures related to the Project.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.17 Tubatulabals of Kern Valley

- October 19, 2022: CPUC the Tribe sent a pre-consultation notice.
- April 19, 2020: The Tribe requested formal consultation via email and stated the "project is within sensitive areas of cultural landscape of the Tubatulabal Tribe, especially within the area south of the Little Lake to Ridgecrest corridors."
- May 1, 2020: CPUC sent the Tribe an email regarding BLM data sharing agreements.
- **August 25, 2020: CPUC initiated formal consultation** with the Tribe via mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- December 1, 2020: The Tribe confirmed they were interested in consultation via phone call.
- December 15, 2020: A Zoom meeting was held with the Tribe and CPUC. CPUC provided an overview of the Project and discussed the consultation process, Google Earth data, and habitat reports. CPUC mailed the Tribe a thumb drive with the habitat assessment technical reports on December 22, 2020.
- December 17, 2021: CPUC emailed the Tribe a notice with a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archaeological testing that would occur in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8-9, 2024, in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings, and a request for input on participation in site visits to Segments 1, 2, 3N, and 3S.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

5B.18 Twenty-Nine Palms Band of Mission Indians

- December 14, 2018: The CPUC sent the Tribe notice initiating pre-filing consultation.
- November 22, 2019: The Twenty-Nine Palms Band of Mission Indians requested formal consultation via email.

- January 22, 2020: CPUC emailed the Tribe a request for a conference call, an updated fact sheet with known project changes, and a KMZ file.
- April 9, 2020: The Tribe responded and indicated they were interested in scheduling in a call.
- April 15, 2020: CPUC and the Tribe held an initial conference call. The CPUC and the Tribe provided an overview of the Project and discussed Cultural Resources Reports, data sharing, the Tribe's geographic area, and inter-tribal meetings and consultation.
- **August 26, 2020: CPUC initiated formal consultation** via mailed AB 52 notification, which included a brief description of the proposed project and its location, the lead agency contact information, and a notification that the Tribe had 30 days to request consultation.
- December 17, 2021: CPUC emailed the Tribe a project status update, a summary of the cultural studies, information on the Class III inventory report, and information about archaeological testing to be conducted in early 2022.
- December 26, 2023: CPUC invited the Tribe to attend in-person AB 52 consultation meeting on January 8-9, 2024, in Barstow and Ridgecrest. CPUC provided the Tribe with an updated fact and Project summary.
- January 8-9, 2024: The Tribe participated in the in-person consultation meetings, with a virtual attendance option. The meetings included a summary of the Project, surveys, AB 52 consultation, and a discussion.
- September 26, 2024: CPUC and the Tribe spoke on the phone to schedule an AB 52 meeting.
- October 14, 2024: CPUC emailed the Tribe a request to schedule meetings and a letter detailing a basic project description. The Tribe was also informed that Segment 4 had been omitted from the Project.
- November 2024: CPUC sent the Tribe a series of emails containing KMZ files of all project components and ethnographic research, an Excel file of a summary table of cultural resources along the proposed and alternative alignments, references cited for ethnographic research, a request to schedule meetings and to gauge interest for participation in site visits to Segments 1, 2, 3N, and 3S.
- December 4, 2024: The CPUC called the Tribe to confirm receipt of materials in November 2024 emails.
- December 2025 – January 2026: On December 2, 2025, and January 2, 2026, the CPUC provided draft mitigation measures for Tribal cultural and cultural resources to the Tribe for review and comment. The CPUC requested the Tribe's comments and input by January 16, 2026; no response has been received.

Part 2:

CORRESPONDENCE WITH THE NATIVE AMERICAN HERITAGE COMMISSION (NOVEMBER – DECEMBER 2018)

From: Blanchard, Billie C. <billie.blanchard@cpuc.ca.gov>
Sent: Thursday, November 8, 2018 3:12 PM
To: gayle.Totton@NAHC.ca.gov

Subject: FW: NAHC request for Ivanpah-Control
Attachments: Ivanpah-Control Pre-Filing Local Gov Tribal Cons List Req11-8-18.docx

Ms. Totton:
Please find attached a CPUC request for a Tribal Consultation Contact List and a Sacred Lands File Search for the Southern California Edison's Ivanpah – Control Project that will be filed at the CPUC.
Let us know if you have any questions regarding our request.
Regards
Billie

Billie Blanchard
Senior Analyst|Project Manager
Infrastructure, Planning, and Permitting Branch
Energy Division|California Public Utilities Commission
916-823-4799 | Billie.Blanchard@cpuc.ca.gov

Local Government Tribal Consultation List Request
Native American Heritage Commission

1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
916-373-3710
916-373-5471 – Fax
nahc@nahc.ca.gov

Type of List Requested

☒ **CEQA Tribal Consultation List (AB 52)** – ***Per Public Resources Code § 21080.3.1, subs. (b), (d), (e) and 21080.3.2***

☐ **General Plan (SB 18)** - ***Per Government Code § 65352.3.***

Local Action Type:
___ General Plan ___ General Plan Element ___ General Plan Amendment
___ Specific Plan ___ Specific Plan Amendment ___ Pre-planning Outreach Activity

Required Information
Project Title: *IVANPAH-CONTROL PROJECT*
Local Government/Lead Agency: *CALIFORNIA PUBLIC UTILITIES COMISSION*

Contact Person: *BILLIE BLANCHARD, CPUC PROJECT MANAGER*
Street Address: *300 Capitol Mall, 4th Floor*
City *SACRAMENTO* **Zip:** *95814*
Phone: *(510) 685-1634 (cell)*
Fax: *N/A*
Email: *billie.blanchard@cpuc.ca.gov*

Specific Area Subject to Proposed Action
County: *SAN BERNARDINO, KERN, INYO* **City/Community:** *VARIOUS*

Project Description: *Southern California Edison (SCE) is proposing to rebuild components of the existing 115 kilovolt (kV) transmission lines between the Ivanpah, Coolwater, and Kramer Substations in San Bernardino County, the Inyokern Substation in Kern County, and the Haiwee and Control Substations in Inyo County. The project is subject to review under the California Environmental Quality Act (CEQA). The transmission system included in the Ivanpah-Control Project extends over 350 miles, from eastern San Bernardino County, through the northeastern corner of Kern County, and into Inyo County. As shown in Figure 1, the route connects numerous substations, which would require updated interconnection to the new conductors. The major route segments are as follows and each is described below: Ivanpah-Coolwater (96 miles); Coolwater-Kramer (44 and 46 miles following two routes); Kramer-Inyokern (48 miles); and Inyokern-Control (126 miles).*

Additional Request

☒ **Sacred Lands File Search**
Required Information:

USGS Quadrangle Name(s): *Please see the table on the following page*

Township:_____ Range:_____ Section(s):_____

Please see the table on the following page for township, range, and section data.

USGS Quadrangles and Section Data for the SCE Ivanpah-Control Project

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Kramer-Inyokern	35117C5	RED MOUNTAIN	Township 30S, Range 41E, Section 30
Kramer-Inyokern	35117C5	RED MOUNTAIN	Township 30S, Range 41E, Section 31
Kramer-Inyokern	35117C5	RED MOUNTAIN	Township 31S, Range 41E, Section 6
Kramer-Inyokern	35117C5	RED MOUNTAIN	Township 31S, Range 41E, Section 7
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 29S, Range 40E, Section 36
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 30S, Range 40E, Section 1
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 30S, Range 40E, Section 12
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 30S, Range 40E, Section 13
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 30S, Range 40E, Section 24
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 30S, Range 41E, Section 19
Kramer-Inyokern	35117C6	JOHANNESBURG	Township 30S, Range 41E, Section 30
Kramer-Inyokern	35117B5	BORON NE	Township 32S, Range 41E, Section 4
Kramer-Inyokern	35117B5	BORON NE	Township 32S, Range 41E, Section 5
Kramer-Inyokern	35117B5	BORON NE	Township 32S, Range 41E, Section 9
Kramer-Inyokern	35117B5	BORON NE	Township 32S, Range 41E, Section 16
Kramer-Inyokern	35117B5	BORON NE	Township 32S, Range 41E, Section 21
Kramer-Inyokern	35117B5	BORON NE	Township 32S, Range 41E, Section 28
Kramer-Inyokern	35117B5	BORON NE	Township 31S, Range 41E, Section 7
Kramer-Inyokern	35117B5	BORON NE	Township 31S, Range 41E, Section 8
Kramer-Inyokern	35117B5	BORON NE	Township 31S, Range 41E, Section 17
Kramer-Inyokern	35117B5	BORON NE	Township 31S, Range 41E, Section 20
Kramer-Inyokern	35117B5	BORON NE	Township 31S, Range 41E, Section 29
Kramer-Inyokern	35117B5	BORON NE	Township 31S, Range 41E, Section 32
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 6W, Section 7
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 6W, Section 18
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 6W, Section 19
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 6W, Section 30
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 6W, Section 31
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 6W, Section 32
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 7W, Section 1
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 11N, Range 7W, Section 12
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 12N, Range 7W, Section 36
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 32S, Range 41E, Section 27
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 32S, Range 41E, Section 28
Kramer-Inyokern	35117A5	SADDLEBACK MTN.	Township 32S, Range 41E, Section 34
Kramer-Inyokern	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 5
Kramer-Inyokern	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 6
Kramer-Inyokern	34117H5	KRAMER JUNCTION	Township 11N, Range 6W, Section 32
Coolwater-Tortilla-Kramer	34117H1	BARSTOW	Township 9N, Range 2W, Section 4
Coolwater-Tortilla-Kramer	34117H1	BARSTOW	Township 9N, Range 2W, Section 5
Coolwater-Tortilla-Kramer	34117H1	BARSTOW	Township 9N, Range 2W, Section 6

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Coolwater-Tortilla-Kramer	34117H1	BARSTOW	Township 9N, Range 2W, Section 9
Coolwater-Tortilla-Kramer	34117H1	BARSTOW	Township 9N, Range 2W, Section 10
Coolwater-Tortilla-Kramer	34117H1	BARSTOW	Township 9N, Range 2W, Section 15
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 3W, Section 1
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 3W, Section 2
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 3W, Section 3
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 3W, Section 4
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 3W, Section 5
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 3W, Section 6
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 4W, Section 1
Coolwater-Tortilla-Kramer	34117H2	HINKLEY	Township 9N, Range 2W, Section 6
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 4W, Section 1
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 4W, Section 2
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 4W, Section 3
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 4W, Section 4
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 4W, Section 5
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 4W, Section 6
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 5W, Section 1
Coolwater-Tortilla-Kramer	34117H3	TWELVE GAUGE LAKE	Township 9N, Range 5W, Section 2
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 14
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 15
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 23
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 24
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 25
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 9N, Range 5W, Section 2
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 9N, Range 5W, Section 3
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 9N, Range 5W, Section 4
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 29
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 30
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 32
Coolwater-Tortilla-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 33
Coolwater-Tortilla-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 5
Coolwater-Tortilla-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 8
Coolwater-Tortilla-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 9
Coolwater-Tortilla-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 10
Coolwater-Tortilla-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 15
Coolwater-Tortilla-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 21
Coolwater-Tortilla-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 22
Coolwater-Tortilla-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 23
Coolwater-Tortilla-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 27
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1E, Section 19
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1E, Section 20
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1E, Section 21

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Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1E, Section 28
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1E, Section 29
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1W, Section 20
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1W, Section 21
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1W, Section 22
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1W, Section 23
Coolwater-Tortilla-Kramer	34116G8	DAGGETT	Township 9N, Range 1W, Section 24
Coolwater-Tortilla-Kramer	34117G1	BARSTOW SE	Township 9N, Range 1W, Section 19
Coolwater-Tortilla-Kramer	34117G1	BARSTOW SE	Township 9N, Range 1W, Section 20
Coolwater-Tortilla-Kramer	34117G1	BARSTOW SE	Township 9N, Range 2W, Section 13
Coolwater-Tortilla-Kramer	34117G1	BARSTOW SE	Township 9N, Range 2W, Section 14
Coolwater-Tortilla-Kramer	34117G1	BARSTOW SE	Township 9N, Range 2W, Section 15
Coolwater-Tortilla-Kramer	34117G1	BARSTOW SE	Township 9N, Range 2W, Section 24
Coolwater-Kramer	34116H8	NEBO	Township 9N, Range 1E, Section 5
Coolwater-Kramer	34116H8	NEBO	Township 9N, Range 1E, Section 8
Coolwater-Kramer	34116H8	NEBO	Township 9N, Range 1E, Section 9
Coolwater-Kramer	34116H8	NEBO	Township 9N, Range 1E, Section 16
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1E, Section 30
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1E, Section 31
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1E, Section 32
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 8
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 9
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 10
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 14
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 15
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 23
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 24
Coolwater-Kramer	34116H8	NEBO	Township 10N, Range 1W, Section 25
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 4
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 5
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 6
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 9
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 10
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 11
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 2W, Section 12
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 1W, Section 7
Coolwater-Kramer	34117H1	BARSTOW	Township 10N, Range 1W, Section 8
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 2W, Section 6
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 3W, Section 1
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 3W, Section 2
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 3W, Section 3
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 3W, Section 4
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 3W, Section 5

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Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 3W, Section 6
Coolwater-Kramer	34117H2	HINKLEY	Township 10N, Range 4W, Section 1
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 5W, Section 1
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 5W, Section 2
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 4W, Section 1
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 4W, Section 2
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 4W, Section 3
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 4W, Section 4
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 4W, Section 5
Coolwater-Kramer	34117H3	TWELVE GAUGE LAKE	Township 10N, Range 4W, Section 6
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 1
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 2
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 6W, Section 3
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 2
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 3
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 4
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 5
Coolwater-Kramer	34117H4	KRAMER HILLS	Township 10N, Range 5W, Section 6
Coolwater-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 3
Coolwater-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 4
Coolwater-Kramer	34117H5	KRAMER JUNCTION	Township 10N, Range 6W, Section 5
Coolwater-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 14
Coolwater-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 15
Coolwater-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 16
Coolwater-Kramer	34116G7	MINNEOLA	Township 9N, Range 1E, Section 23
Coolwater-Kramer	34116G8	DAGGETT	Township 9N, Range 1E, Section 16
Baker-Dunn-Siding-Coolwater	35116C1	BAKER	Township 14N, Range 8E, Section 24
Baker-Dunn-Siding-Coolwater	35116C1	BAKER	Township 14N, Range 8E, Section 25
Baker-Dunn-Siding-Coolwater	35116C1	BAKER	Township 14N, Range 8E, Section 26
Baker-Dunn-Siding-Coolwater	35116C1	BAKER	Township 14N, Range 8E, Section 34
Baker-Dunn-Siding-Coolwater	35116C1	BAKER	Township 14N, Range 8E, Section 35
Baker-Dunn-Siding-Coolwater	35116C1	BAKER	Township 14N, Range 9E, Section 19
Baker-Dunn-Siding-Coolwater	35116B1	SODA LAKE NORTH	Township 13N, Range 8E, Section 3
Baker-Dunn-Siding-Coolwater	35116B1	SODA LAKE NORTH	Township 14N, Range 8E, Section 34
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 12N, Range 7E, Section 2
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 12N, Range 7E, Section 10
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 12N, Range 7E, Section 11
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 12N, Range 7E, Section 15
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 12N, Range 7E, Section 16
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 7E, Section 24
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 7E, Section 25
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 7E, Section 35
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 7E, Section 36

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Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 3
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 4
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 8
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 9
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 17
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 18
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 8E, Section 19
Baker-Dunn-Siding-Coolwater	35116A2	CRUCERO HILL	Township 12N, Range 7E, Section 16
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 11N, Range 6E, Section 4
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 11N, Range 6E, Section 5
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 11N, Range 6E, Section 8
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 6E, Section 24
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 6E, Section 25
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 6E, Section 26
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 6E, Section 33
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 6E, Section 34
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 6E, Section 35
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 7E, Section 16
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 7E, Section 17
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 7E, Section 19
Baker-Dunn-Siding-Coolwater	35116A3	CAVE MOUNTAIN	Township 12N, Range 7E, Section 20
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 10
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 11
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 12
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 15
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 16
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 19
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 20
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 5E, Section 21
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 6E, Section 7
Baker-Dunn-Siding-Coolwater	35116A4	DUNN	Township 11N, Range 6E, Section 8
Baker-Dunn-Siding-Coolwater	35116A5	ALVORD MTN. EAST	Township 11N, Range 4E, Section 24
Baker-Dunn-Siding-Coolwater	35116A5	ALVORD MTN. EAST	Township 11N, Range 4E, Section 25
Baker-Dunn-Siding-Coolwater	35116A5	ALVORD MTN. EAST	Township 11N, Range 4E, Section 26
Baker-Dunn-Siding-Coolwater	35116A5	ALVORD MTN. EAST	Township 11N, Range 4E, Section 27
Baker-Dunn-Siding-Coolwater	35116A5	ALVORD MTN. EAST	Township 11N, Range 4E, Section 34
Baker-Dunn-Siding-Coolwater	35116A5	ALVORD MTN. EAST	Township 11N, Range 5E, Section 19
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 3E, Section 13
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 4E, Section 3
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 4E, Section 4
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 4E, Section 7
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 4E, Section 8
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 4E, Section 9

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Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 10N, Range 4E, Section 18
Baker-Dunn-Siding-Coolwater	34116H5	MANIX	Township 11N, Range 4E, Section 34
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 2E, Section 34
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 2E, Section 35
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 2E, Section 36
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 13
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 14
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 22
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 23
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 27
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 28
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 29
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 30
Baker-Dunn-Siding-Coolwater	34116H6	HARVARD HILL	Township 10N, Range 3E, Section 31
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 1E, Section 10
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 1E, Section 11
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 1E, Section 12
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 1E, Section 15
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 2E, Section 3
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 2E, Section 4
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 2E, Section 5
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 2E, Section 6
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 9N, Range 2E, Section 7
Baker-Dunn-Siding-Coolwater	34116H7	YERMO	Township 10N, Range 2E, Section 34
Baker-Dunn-Siding-Coolwater	34116G7	MINNEOLA	Township 9N, Range 1E, Section 15
Baker-Dunn-Siding-Coolwater	34116G7	MINNEOLA	Township 9N, Range 1E, Section 22
Baker-Dunn-Siding-Coolwater	34116G7	MINNEOLA	Township 9N, Range 1E, Section 23
Ivanpah-Mtn Pass-Baker	351150000	IVANPAH LAKE	Township 16N, Range 14E, Section 4
Ivanpah-Mtn Pass-Baker	351150000	IVANPAH LAKE	Township 16N, Range 14E, Section 8
Ivanpah-Mtn Pass-Baker	351150000	IVANPAH LAKE	Township 16N, Range 14E, Section 9
Ivanpah-Mtn Pass-Baker	351150000	IVANPAH LAKE	Township 16N, Range 14E, Section 17
Ivanpah-Mtn Pass-Baker	3511500000	CLARK MTN.	Township 16N, Range 13E, Section 1
Ivanpah-Mtn Pass-Baker	3511500000	CLARK MTN.	Township 16N, Range 13E, Section 2
Ivanpah-Mtn Pass-Baker	3511500000	CLARK MTN.	Township 16N, Range 13E, Section 3
Ivanpah-Mtn Pass-Baker	3511500000	CLARK MTN.	Township 16N, Range 14E, Section 17
Ivanpah-Mtn Pass-Baker	3511500000	CLARK MTN.	Township 16N, Range 14E, Section 18
Ivanpah-Mtn Pass-Baker	35115D5	MESCAL RANGE	Township 16N, Range 13E, Section 3
Ivanpah-Mtn Pass-Baker	35115D5	MESCAL RANGE	Township 16N, Range 13E, Section 4
Ivanpah-Mtn Pass-Baker	35115D5	MESCAL RANGE	Township 16N, Range 13E, Section 7
Ivanpah-Mtn Pass-Baker	35115D5	MESCAL RANGE	Township 16N, Range 13E, Section 8
Ivanpah-Mtn Pass-Baker	35115D5	MESCAL RANGE	Township 16N, Range 13E, Section 9
Ivanpah-Mtn Pass-Baker	35115D5	MESCAL RANGE	Township 16N, Range 13E, Section 18
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12.5E, Section 13

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Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 13E, Section 18
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 11E, Section 36
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 13
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 22
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 23
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 24
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 27
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 28
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 29
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 31
Ivanpah-Mtn Pass-Baker	35115D6	VALLEY WELLS	Township 16N, Range 12E, Section 32
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 1
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 2
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 3
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 8
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 9
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 10
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 17
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 11E, Section 18
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 16N, Range 11E, Section 36
Ivanpah-Mtn Pass-Baker	35115D7	SOLOMONS KNOB	Township 15N, Range 10E, Section 13
Ivanpah-Mtn Pass-Baker	35115D8	TURQUOISE MTN.	Township 15N, Range 10E, Section 13
Ivanpah-Mtn Pass-Baker	35115D8	TURQUOISE MTN.	Township 15N, Range 10E, Section 14
Ivanpah-Mtn Pass-Baker	35115D8	TURQUOISE MTN.	Township 15N, Range 10E, Section 22
Ivanpah-Mtn Pass-Baker	35115D8	TURQUOISE MTN.	Township 15N, Range 10E, Section 23
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 14N, Range 9E, Section 1
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 14N, Range 9E, Section 2
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 14N, Range 9E, Section 11
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 9E, Section 36
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 10E, Section 21
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 10E, Section 22
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 10E, Section 28
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 10E, Section 29
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 10E, Section 31
Ivanpah-Mtn Pass-Baker	35115C8	HALLORAN SPRINGS	Township 15N, Range 10E, Section 32
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 9
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 10
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 11
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 16
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 17
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 19
Ivanpah-Mtn Pass-Baker	35116C1	BAKER	Township 14N, Range 9E, Section 20
Control-Haiwee-Inyokern	37118C3	POLETA CANYON	Township 8S, Range 33E, Section 8

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Control-Haiwee-Inyokern	37118C3	POLETA CANYON	Township 8S, Range 33E, Section 9
Control-Haiwee-Inyokern	37118C3	POLETA CANYON	Township 8S, Range 33E, Section 16
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 16
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 17
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 21
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 22
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 23
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 24
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 32E, Section 25
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 33E, Section 30
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 33E, Section 31
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 7S, Range 33E, Section 32
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 8S, Range 33E, Section 5
Control-Haiwee-Inyokern	37118C4	BISHOP	Township 8S, Range 33E, Section 8
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 33E, Section 1
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 33E, Section 2
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 33E, Section 12
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 33E, Section 13
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 8S, Range 33E, Section 16
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 8S, Range 33E, Section 21
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 8S, Range 33E, Section 22
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 8S, Range 33E, Section 27
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 8S, Range 33E, Section 34
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 8S, Range 33E, Section 35
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 34E, Section 18
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 34E, Section 19
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 34E, Section 29
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 34E, Section 30
Control-Haiwee-Inyokern	37118B3	BIG PINE	Township 9S, Range 34E, Section 32
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 10S, Range 34E, Section 22
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 10S, Range 34E, Section 26
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 10S, Range 34E, Section 27
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 10S, Range 34E, Section 35
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 11S, Range 34E, Section 2
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 11S, Range 34E, Section 11
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 11S, Range 34E, Section 12
Control-Haiwee-Inyokern	37118A2	TINEMAHA RESERVOIR	Township 11S, Range 34E, Section 13
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 10S, Range 34E, Section 4
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 10S, Range 34E, Section 9
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 10S, Range 34E, Section 15
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 10S, Range 34E, Section 16
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 10S, Range 34E, Section 22
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 9S, Range 34E, Section 32

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Control-Haiwee-Inyokern	37118A3	FISH SPRINGS	Township 9S, Range 34E, Section 33
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 11S, Range 34E, Section 13
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 11S, Range 34E, Section 24
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 11S, Range 34E, Section 25
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 11S, Range 34E, Section 36
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 12S, Range 35E, Section 6
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 12S, Range 35E, Section 7
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 12S, Range 35E, Section 18
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 12S, Range 35E, Section 19
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 12S, Range 35E, Section 20
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 12S, Range 35E, Section 29
Control-Haiwee-Inyokern	36118H2	BLACKROCK	Township 11S, Range 35E, Section 31
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 14S, Range 35E, Section 2
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 3
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 4
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 10
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 15
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 22
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 23
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 26
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 13S, Range 35E, Section 35
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 12S, Range 35E, Section 29
Control-Haiwee-Inyokern	36118G2	INDEPENDENCE	Township 12S, Range 35E, Section 32
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 14S, Range 35E, Section 13
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 14S, Range 35E, Section 24
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 14S, Range 36E, Section 19
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 14S, Range 36E, Section 30
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 14S, Range 36E, Section 31
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 15S, Range 36E, Section 5
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 15S, Range 36E, Section 6
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 15S, Range 36E, Section 8
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 15S, Range 36E, Section 16
Control-Haiwee-Inyokern	36118F1	UNION WASH	Township 15S, Range 36E, Section 17
Control-Haiwee-Inyokern	36118F2	MANZANAR	Township 14S, Range 35E, Section 2
Control-Haiwee-Inyokern	36118F2	MANZANAR	Township 14S, Range 35E, Section 11
Control-Haiwee-Inyokern	36118F2	MANZANAR	Township 14S, Range 35E, Section 12
Control-Haiwee-Inyokern	36118F2	MANZANAR	Township 14S, Range 35E, Section 13
Control-Haiwee-Inyokern	361180	LONE PINE	Township 16S, Range 36E, Section 2
Control-Haiwee-Inyokern	361180	LONE PINE	Township 16S, Range 36E, Section 11
Control-Haiwee-Inyokern	361180	LONE PINE	Township 16S, Range 36E, Section 14
Control-Haiwee-Inyokern	361180	LONE PINE	Township 16S, Range 36E, Section 23
Control-Haiwee-Inyokern	361180	LONE PINE	Township 16S, Range 36E, Section 26
Control-Haiwee-Inyokern	361180	LONE PINE	Township 16S, Range 36E, Section 35

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Control-Haiwee-Inyokern	361180	LONE PINE	Township 15S, Range 36E, Section 15
Control-Haiwee-Inyokern	361180	LONE PINE	Township 15S, Range 36E, Section 16
Control-Haiwee-Inyokern	361180	LONE PINE	Township 15S, Range 36E, Section 22
Control-Haiwee-Inyokern	361180	LONE PINE	Township 15S, Range 36E, Section 27
Control-Haiwee-Inyokern	361180	LONE PINE	Township 15S, Range 36E, Section 34
Control-Haiwee-Inyokern	361180	LONE PINE	Township 15S, Range 36E, Section 35
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 18S, Range 36E, Section 1
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 18S, Range 36E, Section 12
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 18S, Range 36E, Section 13
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 16S, Range 36E, Section 35
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 1
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 11
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 12
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 13
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 14
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 24
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 25
Control-Haiwee-Inyokern	36118D1	BARTLETT	Township 17S, Range 36E, Section 36
Control-Haiwee-Inyokern	36117C8	VERMILLION CANYON	Township 19S, Range 37E, Section 8
Control-Haiwee-Inyokern	36117C8	VERMILLION CANYON	Township 19S, Range 37E, Section 17
Control-Haiwee-Inyokern	36117C8	VERMILLION CANYON	Township 19S, Range 37E, Section 20
Control-Haiwee-Inyokern	36117C8	VERMILLION CANYON	Township 19S, Range 37E, Section 28
Control-Haiwee-Inyokern	36117C8	VERMILLION CANYON	Township 19S, Range 37E, Section 29
Control-Haiwee-Inyokern	36118C1	OLANCHA	Township 18S, Range 36E, Section 13
Control-Haiwee-Inyokern	36118C1	OLANCHA	Township 18S, Range 36E, Section 24
Control-Haiwee-Inyokern	36118C1	OLANCHA	Township 18S, Range 36E, Section 25
Control-Haiwee-Inyokern	36118C1	OLANCHA	Township 18S, Range 36E, Section 36
Control-Haiwee-Inyokern	36118C1	OLANCHA	Township 19S, Range 37E, Section 7
Control-Haiwee-Inyokern	36118C1	OLANCHA	Township 19S, Range 37E, Section 8
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 19S, Range 37E, Section 28
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 19S, Range 37E, Section 33
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 4
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 9
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 16
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 21
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 22
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 27
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 20S, Range 37E, Section 34
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 21S, Range 37E, Section 2
Control-Haiwee-Inyokern	36117B8	HAIWEE RESERVOIRS	Township 21S, Range 37E, Section 11
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 11
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 14
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 23

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 26
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 35
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 36
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 22S, Range 37E, Section 1
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 22S, Range 37E, Section 12
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 22S, Range 37E, Section 13
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 22S, Range 37E, Section 24
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 22S, Range 37E, Section 24
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 22S, Range 37E, Section 25
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 22S, Range 38E, Section 30
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 22S, Range 38E, Section 31
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 6
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 7
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 8
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 17
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 20
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 29
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 32
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 23S, Range 38E, Section 33
Control-Haiwee-Inyokern	35117H8	LITTLE LAKE	Township 24S, Range 38E, Section 4
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 25S, Range 38E, Section 1
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 25S, Range 38E, Section 2
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 25S, Range 38E, Section 12
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 25S, Range 38E, Section 13
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 25S, Range 38E, Section 24
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 9
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 15
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 16
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 22
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 27
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 34
Control-Haiwee-Inyokern	35117G7	PEARSONVILLE	Township 24S, Range 38E, Section 35
Control-Haiwee-Inyokern	35117G8	NINEMILE CANYON	Township 24S, Range 38E, Section 4
Control-Haiwee-Inyokern	35117G8	NINEMILE CANYON	Township 24S, Range 38E, Section 9
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 5
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 6
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 8
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 17
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 20
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 25S, Range 38E, Section 24
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 25S, Range 39E, Section 19
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 25S, Range 39E, Section 30
Control-Haiwee-Inyokern	35117F7	INYOKERN	Township 25S, Range 39E, Section 31

Transmission Segment Name	USGS CODE	QUAD NAME	Township, Range, Section
Randsburg-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 20
Randsburg-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 28
Randsburg-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 29
Randsburg-Inyokern	35117F7	INYOKERN	Township 26S, Range 39E, Section 33
Randsburg-Inyokern	35117000000	RIDGECREST SOUTH	Township 28S, Range 39E, Section 2
Randsburg-Inyokern	35117000000	RIDGECREST SOUTH	Township 28S, Range 39E, Section 11
Randsburg-Inyokern	35117000000	RIDGECREST SOUTH	Township 28S, Range 39E, Section 13
Randsburg-Inyokern	35117000000	RIDGECREST SOUTH	Township 28S, Range 39E, Section 14
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 26S, Range 39E, Section 33
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 4
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 9
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 10
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 15
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 22
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 26
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 27
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 27S, Range 39E, Section 35
Randsburg-Inyokern	3.5117E+11	INYOKERN SE	Township 28S, Range 39E, Section 2
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 28S, Range 39E, Section 13
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 28S, Range 39E, Section 24
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 28S, Range 39E, Section 25
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 28S, Range 39E, Section 36
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 28S, Range 40E, Section 31
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 28.5S, Range 40E, Section 32
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 5
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 8
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 9
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 15
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 16
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 22
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 26
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 27
Randsburg-Inyokern	35117D6	EL PASO PEAKS	Township 29S, Range 40E, Section 35
Randsburg-Inyokern	35117C6	JOHANNESBURG	Township 29S, Range 40E, Section 35
Randsburg-Inyokern	35117C6	JOHANNESBURG	Township 29S, Range 40E, Section 36
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 7E, Section 2
Baker-Dunn-Siding-Coolwater	35116B2	WEST OF SODA LAKE	Township 13N, Range 7E, Section 35
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 36
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 21S, Range 37E, Section 1
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 22S, Range 37E, Section 36
Control-Haiwee-Inyokern	36117A8	COSO JUNCTION	Township 22S, Range 37E, Section 1

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December 3, 2018

Billie Blanchard
California Public Utilities Commission

VIA Email to: billie.blanchard@cpuc.ca.gov

RE: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources
- Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, Ivanpah-Control Project, Kern, Inyo and San Bernardino Counties.

Dear Ms. Blanchard:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

> Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section. (Public Resources Code §21080.3.1(d))

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

In accordance with Public Resources Code section 21080.3.1 (d), formal notification must include a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation. The NAHC also recommends, but does not require that agencies should also include with their notification letters,

information regarding any cultural resources assessment that has been completed on the Area of Potential Effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

   - A listing of any and all known cultural resources that have already been recorded or are adjacent to the APE, such as known archaeological sites;

   - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;

   - Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and

   - If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

   - Any report that may contain site forms, site significance, and suggested mitigation measures.

     All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of the Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was positive. Please contact the Kern Valley Indian Community and the Lone Pine Paiute-Shoshone Tribe on the attached list for more information.

4. Any ethnographic studies conducted for any area including all or part of the potential APE; and

5. Any geotechnical reports regarding all or part of the potential APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive or conclusive as to the presence of resources that may be tribal cultural resources. A negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we are able to assure that our consultation list remains current.

If you have any questions, please contact me at my email address: katy.sanchez@nahc.ca.gov.

Sincerely,

Katy Sanchez

KATY SANCHEZ
Associate Environmental Planner

Native American Heritage Commission
Tribal Consultation List
12/3//2018

Big Pine Paiute Tribe of the Owens Valley
Genevieve Jones, Chairperson
P.O. Box 700 — Paiute - Shoshone
Big Pine , CA 93513
j.paydon@bigpinepaiute.org
(760) 938-2003

Big Pine Paiute Tribe of Owens Valley
Sally Manning, Environmental Director
P.O. Box 700 — Paiute
Big Pine , CA 93513
s.manning@bigpinepaiute.org
(760) 938-2003

Big Pine Paiute Tribe of the Owens Valley
Danelle Gutierrez THPO
P.O. Box 700 — Paiute
Big Pine , CA 93513
d.gutierrez@bigpinepaiute.org
(760) 938-2003, ext. 228

Bishop Paiute Tribe
Bill Vega, Chairperson
50 Tu Su Lane — Paiute - Shoshone
Bishop , CA 93514
deston.rogers@bishoppaiute.o
(760) 873-3584

Bishop Paiute Tribe
Raymond Andrews, THPO
50 Tu Su Lane — Paiute - Shoshone
Bishop , CA 93514
(760) 920-0357 Cell
(760) 873-8435 ext 250

Death Valley Timbi-sha Shoshone Tribe
George Gholoson, Chairperson
P. O. Box 1779 / 1349 Rocking — Western Shoshone
Bishop , CA 93515/ 9
george@timbisha.com
(760) 872-3614

Fort Independence Indian Community of Paiutes
Norman Wilder, Chairman
P.O. Box 67 — Paiute
Independence , CA 93526
businesscommittee@fortindependence.c
(760) 878-5160
(760) 878-8065

Kern Valley Indian Community
Julie Turner, Secretary
P.O. Box 1010 — Kawaiisu
Lake Isabella , CA 93240 — Tubatulabal
(661) 340-0032 Cell

Kern Valley Indian Community
Robert Robinson, Chairperson
P.O. Box 1010 — Tubatulabal
Lake Isabella , CA 93283 — Kawaiisu
brobinson@iwvisp.com
(760) 378-2915 Cell

Lone Pine Paiute-Shoshone Tribe
Mary Wuester, Chairwoman
P.O. Box 747
Lone Pine , CA 93545 — Paiute
Shoshone
(760) 876-1034

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 50 97.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Public Resources Code Sections 21080.1, 21080.3.1, and 21080.3.2 for Ivanpah-Control Project, Inyo County.

Native American Heritage Commission
Tribal Consultation List
12/3//2018

Walker River Reservation
Melanie McFalls. Chairperson
P.O. Box 220
Schurz , NV 89427
(775) 773-2306

Northern Paiute

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This list is applicable only for consultation with Native American tribes under Public Resources Code Sections 21080.1, 21080.3.1, and 21080.3.2 for Ivanpah-Control Project, Inyo County.

Native American Heritage Commission
Tribal Consultation List
12/3//2018

Big Pine Paiute Tribe of the Owens Valley
Genevieve Jones, Chairperson
P.O. Box 700 Paiute - Shoshone
Big Pine , CA 93513
j.paydon@bigpinepaiute.org
(760) 938-2003

Big Pine Paiute Tribe of Owens Valley
Sally Manning, Environmental Director
P.O. Box 700 Paiute
Big Pine , CA 93513
s.manning@bigpinepaiute.org
(760) 938-2003

Big Pine Paiute Tribe of the Owens Valley
Danelle Gutierrez THPO
P.O. Box 700 Paiute
Big Pine , CA 93513
d.gutierrez@bigpinepaiute.org
(760) 938-2003, ext. 228

Kern Valley Indian Community
Julie Turner, Secretary
P.O. Box 1010 Kawaiisu
Lake Isabella , CA 93240 Tubatulabal
(661) 340-0032 Cell

Kern Valley Indian Community
Robert Robinson, Chairperson
P.O. Box 1010 Tubatulabal
Lake Isabella , CA 93283 Kawaiisu
brobinson@iwvisp.com
(760) 378-2915 Cell

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

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This list is applicable only for consultation with Native American tribes under Public Resources Code Sections 21080.1, 21080.3.1, and 21080.3.2 for Ivanpah-Control Project, Kern County.

Native American Heritage Commission
Tribal Consultation List
12/3//2018

Big Pine Paiute Tribe of the Owens Valley
Genevieve Jones, Chairperson
P.O. Box 700 Paiute - Shoshone
Big Pine , CA 93513
j.paydon@bigpinepaiute.org
(760) 938-2003

Big Pine Paiute Tribe of Owens Valley
Sally Manning, Environmental Director
P.O. Box 700 Paiute
Big Pine , CA 93513
s.manning@bigpinepaiute.org
(760) 938-2003

Big Pine Paiute Tribe of the Owens Valley
Danelle Gutierrez THPO
P.O. Box 700 Paiute
Big Pine , CA 93513
d.gutierrez@bigpinepaiute.org
(760) 938-2003, ext. 228

Kern Valley Indian Community
Robert Robinson, Chairperson
P.O. Box 1010 Tubatulabal
Lake Isabella , CA 93283 Kawaiisu
brobinson@iwvisp.com
(760) 378-2915 Cell

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 50 97.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Public Resources Code Sections 21080.1, 21080.3.1, and 21080.3.2 for Ivanpah-Control Project, San Bernardino County.

Part 3:

ASSEMBLY BILL 52 NOTIFICATION LETTERS

Appendix 5A presents data related to EIR Section 3.6, Cultural Resources. This appendix contains the following information related to EIR Section 3.7, Tribal Cultural Resources:

- Assembly Bill 52 Notification Letters
  - Request for Pre-Filing Input (2018)
  - Pre-Filing Outreach (2018)
  - AB 52 Pre-Consultation Notice (2019)
  - Formal Project Notification (2020)
  - Initiation of AB 52 Consultation (2020)
  - Invitation to Attend AB 52 Meeting (2023)
  - Project Status Update (2024)

The notices provided in this Appendix are examples of the notices provided to all tribes; the notices sent to the Big Pine Paiute Tribe of the Owens Valley are the same as those sent to the other tribes.

The following Tribes received only the Request for Pre-filing Input (2018) and did move forward with consultation:

- Agua Caliente Band of Cahuilla Indians
- Bridgeport Indian Colony
- Cabazon Band of Mission Indians
- Chemehuevi Tribe
- Gabrieleno Band of Mission Indians
- Mission Creek Band of Mission Indians
- Pala Band of Mission Indians
- Pechanga Band of Luiseno Indians
- Rincon band of Luiseno Indians
- Santa Ysabel Band of the Iipay Nation
- Serrano Nation of Mission Indians
- Susanville Indian Rancheria
- Tongva Ancestral Territorial Tribal Nation
- Torres Martinez Desert Cahuilla Indians
- Walker River Reservation

The following Tribes received all notices:

- Big Pine Paiute Tribe of the Owens Valley
- Bishop Paiute Tribe
- Cocopah Indian Tribe
- Colorado River Indian Tribes
- Fernandeño Tataviam Band of Mission Indians
- Fort Mojave Indian Tribe
- Fort Independence Band of Paiute Indians
- Kern Valley Indian Community
- Lone Pine Paiute-Shoshone Tribe
- Mono Lake Kutzadika Tribe
- Morongo Band of Mission Indians
- Quechan Tribe of the Fort Yuma Reservation
- San Fernando Band of Mission Indians
- San Manuel Band of Mission Indians
- Tejon Indian Tribe
- Timbisha Shoshone Tribe
- Tubatulabals of Kern Valley
- Twenty-Nine Palms Band of Mission Indians

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

December 14, 2018

Genevieve Jones, Chairperson
Big Pine Paiute Tribe of the Owens Valley
PO Box 700
Big Pine, CA 93513

Re: Request for Pre-Filing Input for Proposed SCE Ivanpah-Control Project

Dear Ms. Jones,

I am Billie Blanchard, project manager for the proposed Southern California Edison (SCE) Ivanpah-Control (IC) Project that is under the jurisdiction of the California Public Utilities Commission (CPUC). The proposed project will be undergoing review under the California Environmental Quality Act (CEQA) in the spring of 2019, and we will initiate consultation under Assembly Bill (AB) 52 at that time.

SCE is proposing to rebuild portions of its 115-kilovolt electric transmission system in Inyo, San Bernardino, and Kern Counties in order to ensure reliable electric service. A map of the IC Project area is shown in Attachment A. The transmission system that would be affected in the Ivanpah-Control Project extends over 350 miles, from eastern San Bernardino County, through the northeastern corner of Kern County, and into Inyo County. A Fact Sheet describing the IC Project is also enclosed.

In advance of SCE's formal application filing with the CPUC, the CPUC is in a "pre-filing process," in which we review preliminary SCE project information and reach out to potentially interested parties, including Native American tribes. The CPUC, as the future lead agency under CEQA, is contacting Native American tribes traditionally and culturally affiliated with the proposed project's geographic area.

No cultural resources surveys have been completed to date, so there is currently no project resource data that we can share. The attached Fact Sheet provides a description of the project. More detailed maps can be made available upon request.

Request for Pre-Filing Comments

I am your main point of contact for this project. If you have any comments or concerns regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074) in relation to the proposed project, or would like to request any additional information, please contact me at Billie.Blanchard@cpuc.ca.gov or (916) 823-4799, copying also our consultant project manager, Susan Lee at SLee@AspenEG.com. You may also mail correspondence to me at the address below; however, emailing is the most expeditious method of communicating and provides an opportunity for me to respond immediately.

Future Consultation

Formal consultation regarding the IC Project will be initiated in the spring of 2019. At that time, the CPUC will contact all Native American tribes who have requested formal notification of projects pursuant to Public Resources Code (PRC) Section 21080.3.1(b) or are on the Native American Heritage Commission (NAHC) tribal contact list for formal Native American consultation from NAHC as requested by the CPUC for best practices compliance.

We note that from the NAHC list and the list provided to us by Inyo County, there are multiple names for the Big Pine Paiute Tribe of the Owens Valley: Jill Paydon (Tribal Administrator), Danielle Guiterrez (THP), and Sally Manning (Environmental Director). Please confirm whether we should continue to reach out to you, as well as to the other three named members listed above.

The Big Pine Paiute Tribe of the Owens Valley is on the NAHC list for the project area, so unless you inform us that you have no interest in this project, we will invite you to formal consultation in the spring of 2019. However, we note that, at this time, the Tribe has not submitted a request to the CPUC to be consulted under PRC Section 210803.1(b). If you are interested in getting on the CPUC's consultation list, please submit a request to the CPUC's Tribal Liaison.

Stephanie Green is the CPUC Tribal Liaison. Ms. Green is copied here and is available to you for this and all other CPUC tribal matters. Ms. Green can be reached at 415-703-5245 and Stephanie.Green@cpuc.ca.gov.

Sincerely,

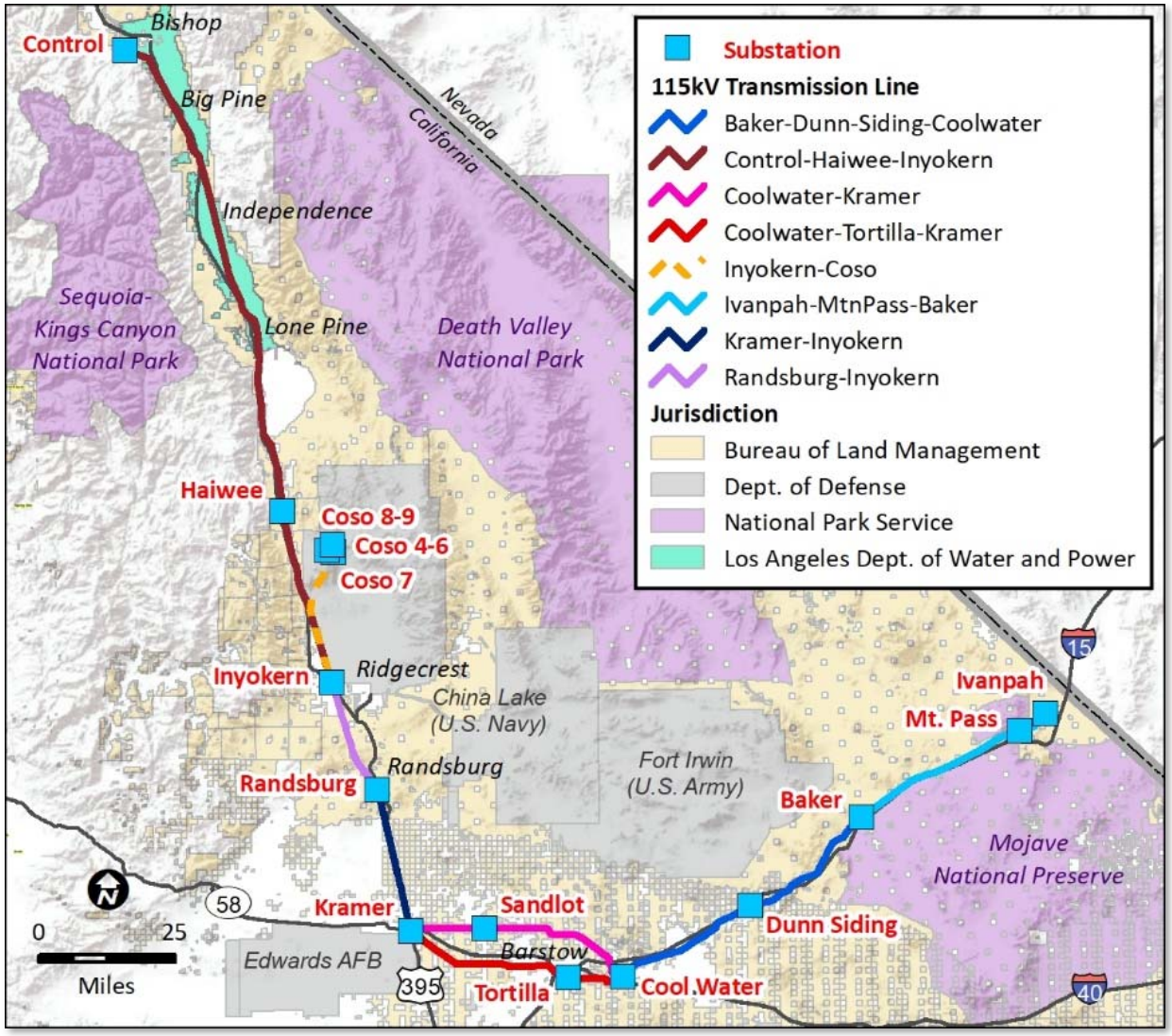
Billie Blanchard

Billie Blanchard
CPUC Project Manager
California Public Utilities Commission
300 Capitol Mall, 4th Floor Room 4-21
Sacramento, CA 95814

cc: Stephanie Green, CPUC Tribal Liaison
Lonn Maier, CPUC Program and Project Supervisor
Susan Lee, Aspen Environmental Group
Beth Bagwell, Aspen Environmental Group

Attachments:

- Proposed Project Overview Map
- Fact Sheet



SCE Ivanpah-Control Project

From: Susan Lee
Sent: Sunday, December 16, 2018 12:12 PM
To: g.jones@bigpinepaiute.org; d.guiterrez@bigpinepaiute.org; j.paydon@bigpinepaiute.org; s.manning@bigpinepaiute.org
Cc: Blanchard, Billie C.; Beth Bagwell; Teresa O'Grady
Subject: CPUC Pre-Filing Outreach regarding proposed Southern California Edison Project
Attachments: Big Pine Paiute (Inyo) Jones.pdf; Big Pine Paiute (NAHC) Guiterrez.pdf; Big Pine Paiute (NAHC) Manning.pdf; Big Pine Paiute (NAHC) Paydon.pdf; Fact Sheet SCE Ivanpah-Control.pdf

Dear Ms. Jones, Mr. Guiterrez, Ms. Paydon, and Ms. Manning,

On behalf of Billie Blanchard of the California Public Utilities Commission, the Big Pine Paiute Tribe of the Owens Valley is invited to provide preliminary comments on an electric transmission upgrade project proposed by the Southern California Edison (SCE) company.

The SCE project is called the Ivanpah-Control Project, and it is described in the attached letter and Fact Sheet. These documents have also been sent to you via U.S. Mail. The CPUC is reviewing the project in a "pre-filing" process, and the formal application is expected in the spring of 2019. At that time, the CPUC will initiate formal consultation under AB 52. At this time, we would appreciate hearing about any preliminary comments or concerns that you have about the SCE Ivanpah-Control Project.

Thank you very much for your review of this information. If you have questions about the project or the CPUC's process, please feel free to contact me or CPUC Project Manager Billie Blanchard at Billie.Blanchard@cpuc.ca.gov.

Sincerely,
Susan V. Lee

Aspen environmental group

Susan V. Lee
Vice President
www.aspeneg.com

Aspen Environmental Group
235 Montgomery Street, Suite 935
San Francisco CA 94104
Office: (415) 696-5311
Cell: (415) 290-4984

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

October 22, 2019

Ms. Genevieve Jones, Chairperson
Big Pine Paiute Tribe of the Owens Valley
PO Box 700
Big Pine, CA 93513

Subject: California Public Utilities Commission Southern California Edison Ivanpah-Control (I-C) Project Permit to Construct Application (A.19-07-015) and Second AB 52 Pre-Consultation Notice

Dear Ms. Jones:

The California Public Utilities Commission (CPUC) has received an application from Southern California Edison (SCE) for a Permit to Construct (PTC) the proposed Ivanpah – Control (I-C) Project (project) (CPUC Application A.19-07-015).

The CPUC has identified deficiencies in the application, including lack of cultural resource survey reports, and has not deemed the application complete. The CPUC will be the lead agency responsible for environmental review of the project in compliance with the California Environmental Quality Act (CEQA). The Bureau of Land Management (BLM) will be the lead agency under the National Environmental Policy Act (NEPA); the BLM will prepare a separate Environmental Impact Statement (EIS) and will comply with Section 106 of the National Historic Preservation Act.

The CPUC will formally initiate consultation with interested tribes under Assembly Bill (AB) 52 within 14 days of deeming the I-C application complete. The CPUC will not deem the application complete until the cultural resources surveys of project areas are completed, and SCE submits a cultural resources survey report(s) that meets CPUC's requirements. Evaluation of archaeological, historical, and tribal cultural resources may continue after the application is deemed complete.

In advance of deeming the I-C application complete and the CPUC's formal AB 52 consultation with interested tribes, the CPUC is reaching out to tribes identified on the Native American Heritage Commission (NAHC) list who may have knowledge of tribal cultural resources in or near the proposed project alignment. The CPUC previously sent a letter to you about the I-C project during the "pre-filing" process (December 2018). In the previous letter, the CPUC provided a Fact Sheet on the project and requested comments on the project.

This letter provides an overview of the proposed project location, requests information you can share about tribal cultural resources in the proposed project area, and provides information about how to participate in the CPUC's formal AB 52 tribal consultation process once the I-C application is deemed complete.

Project Location

SCE is proposing to rebuild segments of its existing 115-kilovolt electric transmission system in Inyo, San Bernardino, and Kern Counties in order to ensure reliable electric service within this portion of their service area. A map of the proposed project alignment is provided in Attachment A. Additional details on the project location, including SCE's proposed work areas, is available upon request. The transmission system that would be affected by the proposed project extends over 350 miles from eastern San Bernardino County, through the northeastern corner of Kern County, and into Inyo County.

Pre-Consultation During CPUC I-C Application Deficiency Review Period

Big Pine Paiute Tribe of the Owens Valley is on the NAHC list for the project area, indicating that members of your Tribe may have knowledge of tribal cultural resources within the project. The CPUC is interested in speaking with any representative of your Tribe that has knowledge of tribal cultural resources within the proposed project area so that the CPUC may define potential tribal cultural resources within the project area and begin evaluating impacts on those resources within the context of CEQA. There will be additional opportunity to share information and provide comments on tribal cultural resource impacts and mitigation during the formal AB 52 process; however, we would like to start the discussion in advance of formal AB 52 consultation to provide additional time for Tribes to comment and share information with the CPUC.

Formal Consultation

Unless you inform us that you have no interest in the project, we will invite you to participate in AB 52 formal consultation when we initiate consultation for this project. We note that Big Pine Paiute Tribe of the Owens Valley has not submitted a request to the CPUC to be considered under PRC Section 21080.3.1. If you would like to be included in the formal AB 52 tribal consultation efforts for I-C and possibly other CPUC projects, please submit a written request specifying the geographic area of tribal affiliation to the CPUC's Tribal Liaison, Stephanie Green and copy Billie Blanchard, using the contact information provided below:

Stephanie Green, CPUC Tribal Liaison
stephanie.green@cpuc.ca.gov
(415) 703-5245

Billie Blanchard, CPUC Senior Project Manager
billie.blanchard@cpuc.ca.gov
(916) 823-4799

Ms. Green is copied here and is available to you for this and all other CPUC tribal matters.

To provide information on tribal cultural resources within the project area, or request additional information about the project, please contact me at Billie.Blanchard@cpuc.ca.gov or (916) 823-4799.

Sincerely,

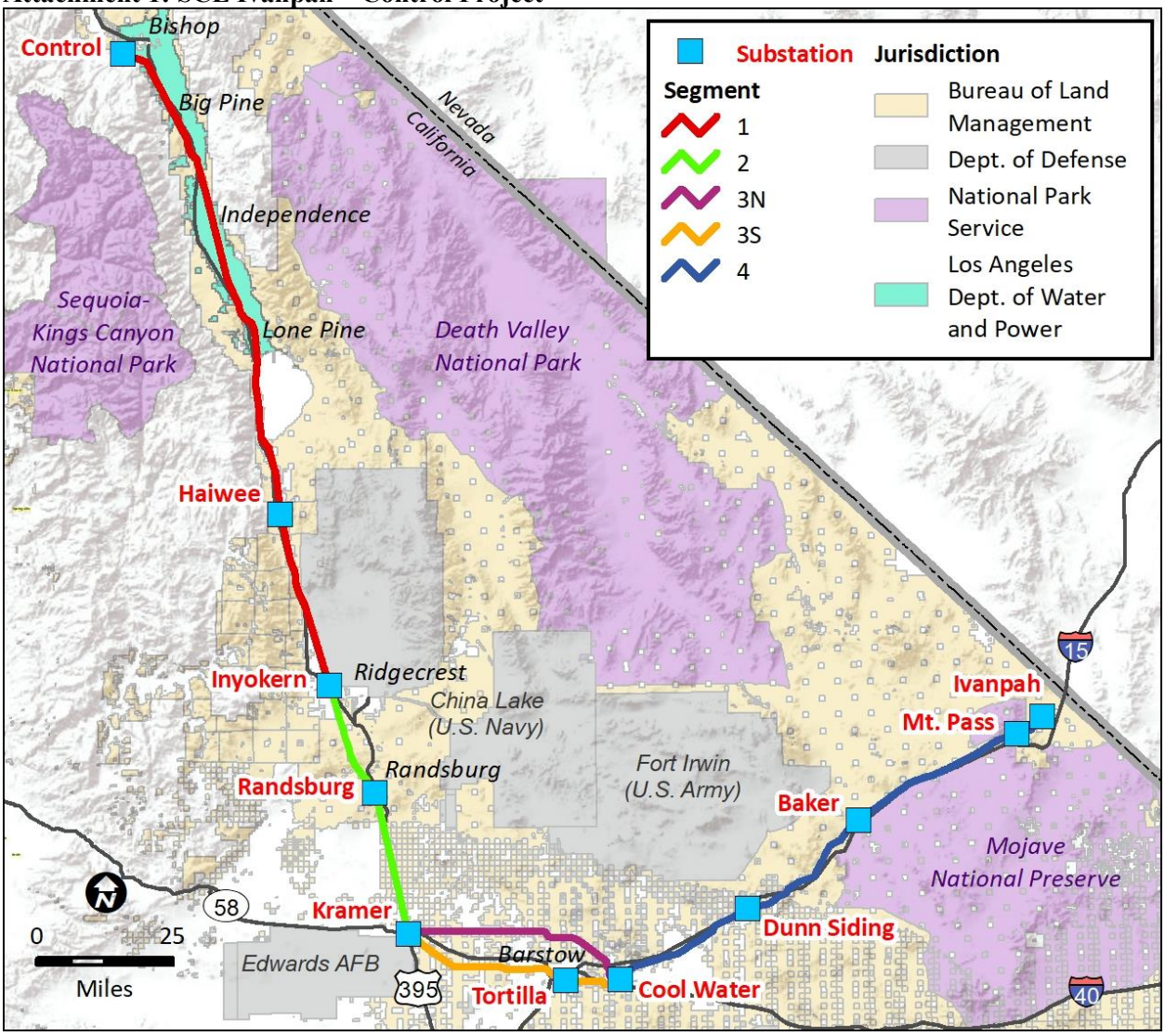
Billie Blanchard

Billie Blanchard
CPUC Senior Project Manager for the I-C Project

cc: Stephanie Green, CPUC Tribal Liaison
Lonn Maier, CPUC Program and Project Supervisor
Susan Lee, Aspen Environmental Group
Susanne Heim, Panorama Environmental
Jim Allan and Beth Bagwell, Aspen Environmental Group
Mark Giambastiani, G2 Archaeology
Mark Mackiewicz, BLM National Project Manager
Scott Whiteside, BLM National Project Manager
Tiffany Arend, BLM Archaeologist

Attachment: Project Location Map

Attachment 1: SCE Ivanpah – Control Project



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STATE OF CALIFORNIA Gavin Newsom, Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

August 26, 2020

Danelle Gutierrez, THPO
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

Re: ***California Environmental Quality Act Public Resources Code section 21080.3.1(b) pursuant to California Assembly Bill 52, Formal Notification of Proposed Southern California Edison Ivanpah-Control Project***

Dear Ms. Gutierrez,

I am John Forsythe, California Public Utilities Commission (CPUC) project manager for the proposed Southern California Edison (SCE) Ivanpah-Control (I-C) Project (project.) This project is under the jurisdiction of the CPUC, the lead agency responsible for environmental review of the project in compliance with the California Environmental Quality Act (CEQA). Pursuant to California Assembly Bill (AB) 52, the CPUC is providing you with formal notification of the project, located within Inyo, Kern, and San Bernardino County, California. As you may recall, the CPUC previously provided the Big Pine Paiute Tribe of the Owens Valley with a pre-consultation notice in late 2018, and in response you requested AB 52 consultation for the project. This notification formally starts the AB 52 process. The present notice includes:

- A description of the proposed project and location;
- A clear and definitive statement that the tribe has 60 days to make the previous request for consultation official (following California Executive Order N-54-20);
- The lead agency contact information; and
- A map of the project area.

The Bureau of Land Management (BLM) will be the lead agency under the National Environmental Policy Act (NEPA); the BLM will prepare a separate Environmental Impact Statement (EIS) and will be responsible for compliance with Section 106 of the National Historic Preservation Act.

Project Background and AB 52 Consultation Schedule

SCE filed an initial application with the CPUC on July 17, 2019 and an amended application on April 13, 2020 for a Permit to Construct (Application A.19-07-015) the project. The CPUC is currently reviewing the application and supporting materials provided by SCE, including the Proponent's Environmental Assessment (PEA) and has requested that SCE prepare additional application materials that are required before the CPUC can deem the application complete, including cultural resource reports. The CPUC anticipates that SCE's application will be deemed complete by early 2021; however, this schedule is subject to change.

Starting in late 2018, the CPUC issued multiple pre-consultation notices and held initial meetings with Native America tribes prior to and during the application review process in an effort to begin establishing communication with tribes that may be interested in formal AB 52 consulting, sharing information about the project, and requesting information about tribal concerns and cultural resources.

The CPUC has decided to initiate the formal AB 52 consultation process with interested tribes rather than waiting until the project application is deemed complete. The earlier start to AB 52 consultation is intended to accommodate tribal requests for early consultation, extend the formal consultation phase, and provide assurance that all information about tribal cultural resources shared between Native Americans and the CPUC will be treated confidentially under the scope of AB 52. All information obtained from Native Americans to date has been managed consistent with AB 52 requirements.

The CPUC will begin public scoping for the project in September 2020. Tribal representatives that receive this letter will also receive a copy of the Notice of Preparation (NOP) and are invited to participate in public scoping in addition to formal AB 52 consultation.

Project Description and Location

SCE is proposing to rebuild segments of its existing 115-kilovolt electric transmission system in Inyo, San Bernardino, and Kern Counties in order to ensure reliable electric service within this portion of their service area. The transmission system that would be affected by the proposed project extends over 350 miles. A map of the proposed project alignment is provided in **Attachment A**. The project corridor traverses residential, commercial, agricultural, recreation, and open space land uses.

The proposed project involves transmission system upgrades along five segments, summarized as follows:

- **Segment 1: Control Substation (Bishop) to Inyokern Substation.** The 126-mile project segment includes 111 miles located in Inyo County and 15 miles in Kern County. Approximately 1,161 electrical transmission structures (poles) would be removed and approximately 905 new structures would be installed.
- **Segment 2: Inyokern Substation to Kramer Junction.** The 48-mile project segment is in Kern and San Bernardino Counties; it includes removal of approximately 390 electrical transmission structures, and installation of approximately 342 electrical transmission structures.
- **Segments 3N and 3S: Kramer Junction-Coolwater Substation (East of Barstow).** Segment 3N is a 44-mile route segment that connects the two substations in a route that passes north of Barstow. Segment 3S connects the same two substations, but the line is located south of Barstow. Upgrades in these segments include removal and replacement of approximately 43 transmission structures in Segment 3N and approximately 42 structures in Segment 3S. As part of the SCE's deteriorated pole program, SCE will replace nearly 400 poles prior to the start of construction of the Ivanpah-Control Project.
- **Segment 4: Coolwater Substation (East of Barstow) to Ivanpah Substation (near Primm, Nevada).** This 96-mile project segment runs east from Barstow ending just west of the California-Nevada border. It includes removal of approximately 60 existing transmission structures, installation of approximately 62 transmission structures, and modification of approximately another 83 existing structures.

In all segments except Segment 4, the project would include removal of the existing conductor and installation of new high capacity conductor. In certain segments, this change would increase the capacity of the line allowing the line to carry or distribute more power. The project would also include installation of marker balls on overhead wires where determined to be appropriate, and the installation of fiber optic cable. Generally, replacement structures will not be placed in the same location as the removed structures.

Additional information about the project is available in SCE's application and supporting materials provided on the project website:
https://www.cpuc.ca.gov/Environment/info/aspen/ivanpah-control/ivanpah-control.htm

Consultation Request

I (John Forsythe) am the CPUC project manager for this project. Given the size of the project and the number of interested parties involved, the CPUC has enlisted the support of Elizabeth A. Bagwell, PhD, RPA, Senior Cultural Resources Specialist at Aspen Environmental Group (Aspen). Dr. Bagwell will be serving as the point of contact for AB 52 consultation and will be an official representative of the CPUC in these efforts. Dr. Bagwell is assisted in the AB 52 consultation process by her associates at PaleoWest, including Evan Tudor Elliott, James Potter, and Vanessa Mirro. Together, these cultural resources specialists will be officially representing the CPUC in the consultation with tribes.

The CPUC understands that the Big Pine Paiute Tribe of the Owens Valley has been engaged in informal consultation and has requested inclusion in the AB 52 consultation process. To formalize that request, please send an official request within 60 days of receipt of this notice, following the spirit of the AB 52 extension in Executive Order N-54-20. This formal request can be sent to john.forsythe@cpuc.ca.gov and/or bbagwell@aspeneg.com, or can be mailed to the CPUC address below.

If you have any comments or concerns regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074) in relation to the project, or would like to request any additional information, please contact Dr. Bagwell by email at bbagwell@aspeneg.com or at (916) 926-2736, and/or contact me by email at john.forsythe@cpuc.ca.gov or at (916) 217-5073. You may also mail correspondence to me at the address below, however emailing is the most expeditious method of communicating, and provides an opportunity for expeditious response.

Sincerely,

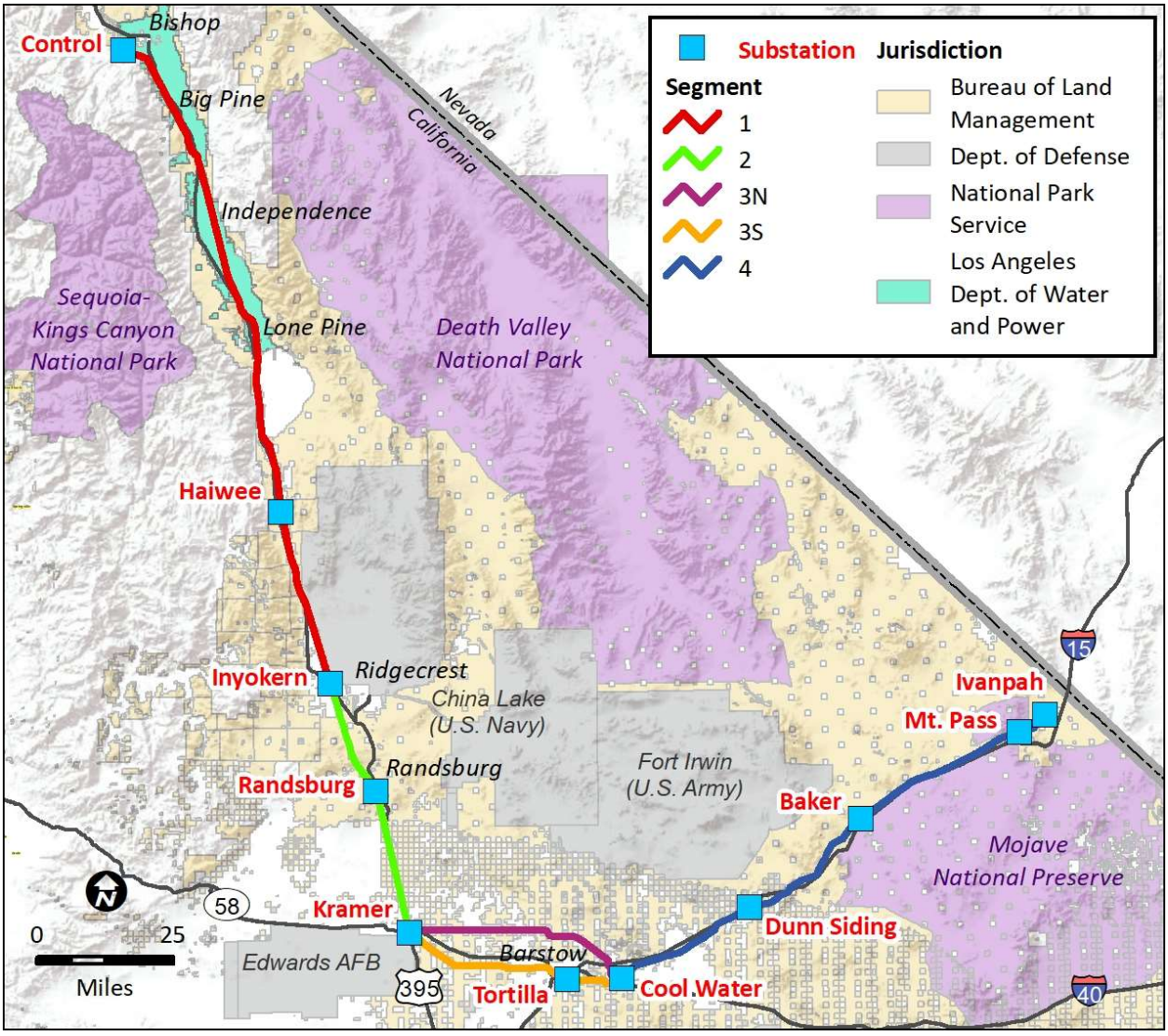
John Forsythe, CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

cc: Christine Root, CPUC Program and Project Supervisor
Beth Bagwell, Aspen Environmental Group
Susan Lee, Aspen Environmental Group
Susanne Heim, Panorama Environmental, Inc.

Attachments:

- Attachment A: Proposed Project Overview Map

Attachment A: Proposed Project Overview Map



PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

October 1, 2020

Danelle Gutierrez, THPO
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

Dear THPO Gutierrez,

On September 28, 2020, the California Public Utilities Commission (CPUC) received a written request from you, stating that the Big Pine Paiute Tribe of the Owens Valley would like to consult with the CPUC regarding the identification of Tribal Cultural Resources and any potential impacts to those resources associated with Southern California Edison's (SCE) proposed Ivanpah-Control Project. The CPUC is interested in working with you to identify any places or resources that your tribe feels are significant, regardless of whether they were identified in an archaeological survey.

In accordance with Assembly Bill 52 (AB 52) and Section 21080.3.1(e) of the California Public Resources Code, we are hereby initiating consultation with Big Pine Paiute Tribe of the Owens Valley.

On March 5, 2020, you and CPUC representatives had a pre-consultation meeting to discuss the project and the CPUC's role as lead agency for the California Environmental Quality Act (CEQA) process. We would like to invite you to a second meeting to continue the discussion and provide you with updates about the project. Given the safety concerns associated with Covid-19 we propose this next meeting be conducted as a Zoom video/telephone conference, which the CPUC is happy to host. In the future, we are open to face-to-face meetings or site visits if all parties feel comfortable and are in agreement about appropriate safety precautions.

Summary of Cultural Resources ork and Documentation
SCE is proposing to rebuild and upgrade portions of a 358-mile transmission system in Inyo, San Bernardino, and Kern Counties. The upgrades will take place in the following segments:

- Segment 1: Control Substation (Bishop) to Inyokern Substation
- Segment 2: Inyokern Substation to Kramer Junction
- Segments 3N and 3S: Kramer Junction-Coolwater Substation (East of Barstow)
- Segment 4: Coolwater Substation (East of Barstow) to Ivanpah Substation (near Primm, Nevada)

A 9,455-acre study area for potential direct impacts on cultural resources and tribal cultural resources has been identified for the project. The study area is identical for the CPUC's CEQA

analysis and the Bureau of Land Management's (BLM) National Environmental Policy Act (NEPA)/Section 106 analysis. A series of reports to identify the resources that the project might impact are being prepared. These reports include a record search, a geoarchaeological study, an archaeological inventory, and a built-environment inventory. The record search has been finalized. Draft reports presenting the results of the fieldwork and the geoarchaeological study have been prepared and are currently undergoing agency review.

The preliminary results of the archaeological inventory indicate there are 824 archaeological resources that could be impacted by ground disturbing activities associated with the project. These results are presented by project segment in Table 1, below. Also, refer to the attached figure for the location of the segments noted below. The CPUC intends to avoid impacts to archaeological and tribal cultural resources as much as possible.

able 1: Archaeological Resources by Segment

Segment	Prehistoric	Historic-Era	Multi-Component	Total
Segment 1	74	95	182	351
Segment 2	1	104	3	108
Segment 3N	6	32	2	40
Segment 3S	10	132	5	147
Segment 4	36	111	31	178
Project Total	**127**	**474**	**223**	**824**

When the archeological and cultural resources reports are finalized, we will let you know. As these reports include cultural resources located on federal land as well as state owned and private land the confidentiality concerns of all parties needs to be addressed. Therefore we have established one point of contact for the distribution of these reports through BLM Archaeologist Adam Gutierrez by email apgutierrez@blm.gov or at (951) 697-5322. Reports that include California Department of Parks and Recreation Forms (DPR forms) and maps showing resource locations can be obtained after signing a project specific Data Sharing Agreement with BLM. Please contact Mr. Gutierrez if you have any questions or would like to request a BLM data sharing agreement.

As the CPUC project manager, I am the official AB 52 point of contact for this project. Given the size of the project and the number of interested parties involved, the CPUC has enlisted the support of Elizabeth A. Bagwell, PhD, RPA, Senior Cultural Resources Specialist at Aspen Environmental Group (Aspen). Dr. Bagwell will be serving as the primary point of contact for AB 52 consultation and will be an official representative of the CPUC in these efforts. Dr. Bagwell is assisted in the AB 52 consultation process by her associates at PaleoWest, including Evan Tudor Elliott, James Potter, and Vanessa Mirro. Together, these cultural resources specialists will be officially representing the CPUC in AB 52 consultation with tribes.

If you have any questions please contact Dr. Bagwell by email at bbagwell@aspeneg.com or at (916) 926-2736, and/or contact me by email at john.forsythe@cpuc.ca.gov or at (916) 217-5073. You may also mail correspondence to me at the address below, however emailing or calling are the best ways to reach us.

We look forward to scheduling a meeting, discussing an appropriate meeting agenda, and identifying appropriate participants.

Respectfully,

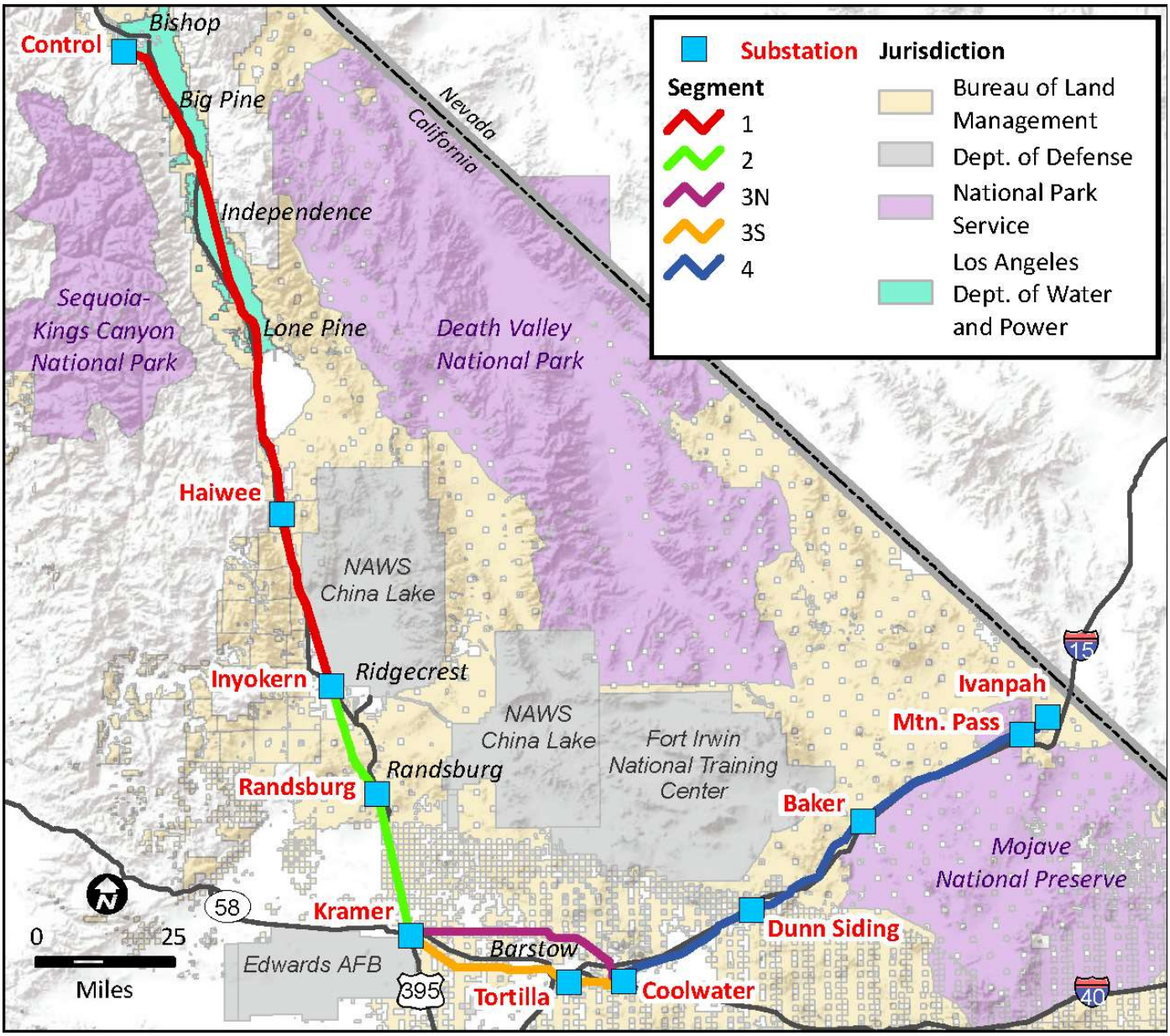
John Forsythe, CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

cc: Christine Root, CPUC Program and Project Supervisor
Beth Bagwell, Aspen Environmental Group
Susan Lee, Aspen Environmental Group
Susanne Heim, Panorama Environmental, Inc.

Attachments:

- Attachment A: Proposed Project Overview Map

Attachment A: Proposed Project Overview Map



Gmail

Sara Sloan <sara.sloan@panoramaenv.com>

SCE Ivanpah-Control Project – Invitation to Attend an In-Person AB 52 Meeting with CPUC on January 8th and 9th to Provide a Status Update and Discuss Resource Mitigation

Beth Bagwell <Bbagwell@aspeneg.com> Tue, Dec 26, 2023 at 10:20 AM
To: "d.gutierrez@bigpinepaiute.org" <d.gutierrez@bigpinepaiute.org>
Cc: Aaron Lui <Ivanpah-Control-AB52@panoramaenv.com>, "Forsythe, John" <John.Forsythe@cpuc.ca.gov>, Diana Dyste <ddyste@pinonheritage.com>

THPO Gutierrez,

The California Public Utilities Commission (CPUC) is reaching out to give you an update about the cultural resources studies for Southern California Edison's (SCE) Ivanpah-Control Transmission Line Rebuild Project (project), which is being reviewed under CEQA by the CPUC. SCE's proposed project is to rebuild and upgrade portions of a 358-mile transmission-line system between Bishop and Kramer Junction, then from Kramer Junction to Barstow to Ivanpah.

The CPUC is in the process of making *determinations of eligibility for the CRHR, identifying impacts, and considering possible mitigation (such as avoidance or monitoring).* We would really appreciate tribal input on all of these topics. The BLM is going through a similar process as part of Section 106.

We would like to invite you to an in-person AB 52 meeting with CPUC representatives Beth Bagwell and Diana Dyste in Barstow on January 8th or in Ridgecrest on January 9th to provide you with project updates and get any input you would like to share. Details are provided below. ***Lunch will be provided.***

MEETING DETAILS:

January 8, 2024 - Barstow, CA (12:30 pm to 2:30 pm)

(BLM meeting is in the morning at the BLM Field Office, see separate correspondence from BLM for more details).

CPUC Meeting from 12:30 pm to 2:30 pm

Barstow Community College – Room L-04 LRC Conference Room

2700 Barstow Rd, Barstow, CA 92311

Lunch will be provided- Bean Burritos, Sandwiches, Coffee/Tea, Soda, Water

January 9, 2024 - Ridgecrest, CA (Noon to 2 pm)

(BLM meeting is in the afternoon following the CPUC meeting, to be hosted at the BLM Field Office. See separate correspondence from BLM for more details).

CPUC meeting from Noon to 2 pm

Maturango Museum – Coso Room

100 E. Las Flores Avenue, Ridgecrest, CA 93555

Lunch will be provided- Bean Burritos, Sandwiches, Coffee/Tea, Soda, Water

Meeting Agenda

- Introductions/Opening
- Brief summary of project
- Brief summary of 3 alternatives in Owens Valley
- Resource types and numbers in project area
- CPUC resource summary table and discussion
- Interactive map of ethnographic literature, project area, and survey results
- Open discussion – site visits, monitoring, etc.
- Closing

Brief summary of the Project (see map on page 4)

- SCE proposes to rebuild and upgrade portions of a 358-mile transmission-line system
- Includes a 6,500-acre Area of Potential Effect (APE)/Area of Potential Impact (API) in Inyo, San Bernardino, and Kern Counties
- The project begins just west of Bishop and extends south along Hwy 395 to Kramer Junction, then east to Barstow, and northeast along Interstate 15 to the Nevada border
- There are 282 archaeological resources that may be of interest to tribes
- The Owens Valley along Hwy 395 has the highest density of sensitive resources and potential construction impacts
- The segment east of Kramer Junction and along the Interstate 15 corridor would have the least extensive construction and has fewer resources.

All of the cultural resources reports for the main project area are complete. The reports for the alternatives are still in progress.

We look forward to hearing from you.

Regards,

Beth Bagwell

Elizabeth A. Bagwell, PhD, RPA

Senior Cultural Resources Specialist and CPUC Designee for AB 52

bbagwell@aspeneg.com

Office/Cell: 916-926-2736

2 attachments

Fact Sheet Ivanpah-Control Project 2023 DecRev.pdf
763K

IC CPUC update Dec 2023.pdf
1242K

STATE OF CALIFORNIA Edmund G. Brown Jr., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

October 14, 2024

Ms. Danelle Gutierrez, Tribal Historic Preservation Officer
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

Re: SCE Ivanpah Control Project
Invitation to Attend In-person or Virtual AB 52 Meetings with the CPUC in October 2024 to Provide a Project Status Update and Discuss Resource Mitigation

Dear Ms. Danelle Gutierrez,

On behalf of the California Public Utilities Commission (CPUC), I am reaching out to give you an update about the cultural resources studies for Southern California Edison's (SCE) Ivanpah-Control Transmission Line Rebuild Project (project), which is being reviewed under CEQA by the CPUC.

Since we last met in January 2024 for a project status update, a few minor changes have occurred to project components. Also, Segment 4 has been removed from this project and may be evaluated as a separate project in the future. Figure 1 attached shows the route of the project as now proposed.

A summary of the project is included below:

- SCE proposes to rebuild and upgrade portions of a 262-mile transmission-line system.
- The study area includes an approximately 6,000-acre Area of Potential Effects (APE)/Area of Potential Impacts (API) in Inyo, San Bernardino, and Kern Counties.
- The project begins just west of Bishop and extends south along Hwy 395 to Kramer Junction, then east to the Coolwater Substation near Barstow.
- The Owens Valley along Hwy 395 has the highest density of sensitive resources and potential construction impacts.
- In the Owens Valley, three route alternatives have been proposed (Crater Mountain, Fossil Falls, and Manzanar). Each alternative would move a segment of the proposed route to another location, adjacent to existing transmission lines (See Figure 2 through Figure 4; Table 2).
- There are 268 archaeological resources along the proposed project corridor (Table 1) and 244 archaeological resources in the alternative corridors (Table 2) that may be of interest to tribes. There are 244 total resources along Segment 1 and 244 different resources that might be impacted if all 3 alternative segments are implemented.
- A comparison of alternatives is still in process.

All of the cultural resources reports for the proposed project are complete. The reports for the alternatives are complete and undergoing agency review.

The CPUC is in the process of *making determinations of eligibility for the CRHR, identifying impacts, and considering possible mitigation (such as avoidance or monitoring).* We would appreciate tribal input on these topics.

INVITATION TO MEETINGS, October 2024

During AB 52 meetings, the CPUC representative will provide a table listing all cultural resources with precontact components. The table presents the following information:

- All construction disturbance areas, including each of the existing or new towers proposed to be constructed or removed and all other work areas within the resource boundaries
- A brief description of each resource, the results of independent CPUC desktop ethnohistoric research focused on historic maps, preliminary eligibility findings based on archaeological information, and examples of potential mitigation measures that could apply

During the meeting, a visual aid—either a Google Earth image or a PDF—showing the resource boundaries and project components for the main route and alternative routes will be available for viewing with the CPUC. Requests for copies of project cultural resources reports must be submitted to the Bureau of Land Management. Confidential versions of the reports including DPR 523 resource record forms will be available after signing a data sharing agreement with BLM. However, the CPUC can provide copies of any DPR 523 resource record forms for resources located on private land or state-owned land, upon request.

Please contact me if you have any questions.

Sincerely,

Elizabeth A. Bagwell, PhD, RPA
CPUC Designee for AB 52
Senior Cultural Resources Specialist
Piñon Heritage Solutions
Email: bbagwell@pinonheritage.com
Cell/Office Phone: (916) 926-2736

CC: John Forsythe, Senior Project Manager at CPUC
Stephanie Green, CPUC Tribal Liaison
Susan Lee, Aspen Environmental Group

Aaron Lui, Panorama Environmental

Attachments: Summary tables, Project map, Alternatives maps

Table 1: Summary of Archaeological Survey Findings – Main Project

Segment	Precontact Sites	Historic-Era Sites	Multi-Component Sites	Total
Segment 1	77	114	166	357
Segment 2	1	103	1	105
Segment 3N	6	32	2	40
Segment 3S	10	45	5	60
Total	**94**	294	**174**	562

Table 2: Summary of Archaeological Survey Findings for Alternatives

Alternative Name	Acreage Surveyed	Precontact Site Quantity	Historic-Era Site Quantity	Multi-component Site Quantity
Crater Mountain	678	49	7	9
Manzanar	1,449	84	9	21
Fossil Falls	756	73	6	8
Total	2,883	**206**	22	**38**

Appendix 6

GEOLOGY, SOILS, AND PALEONTOLOGY

This appendix presents the following tables:

- Table Ap.6-1. Geologic Units Underlying the Proposed Project
- Table Ap.6-2. DWR Groundwater Basins and Subsidence Potential
- Table Ap.6-3. Significant Active and Potentially Active Faults in the Vicinity of the Proposed Project
- Table Ap.6-4. Significant Historic Earthquakes from 1900-2023 within 50 miles of the Proposed Project
- Table Ap.6-5. Select Characteristics of Soils Underlying Segment 1 of the Proposed Project
- Table Ap.6-6. Select Characteristics of Soils Underlying Segment 2 of the Proposed Project
- Table Ap.6-7. Select Characteristics of Soils Underlying Segment 3N of the Proposed Project
- Table Ap.6-8. Select Characteristics of Soils Underlying Segment 3S of the Proposed Project

Table Ap.6-1. Geologic Units Underlying the Proposed Project

Geologic Unit/ Formation	Age	Project Location	Description
Qw – wash deposits	Recent	Segments 3S and 3N	Alluvial deposits occurring in modern washes of rivers and streams, may include some older wash deposits.
Qs - dune sand	Recent	Segment 3S	Windblown sand, local dunes
Qal - alluvium	Recent-Holocene	Segments 1 and 2; Control, Haiwee, and Inyokern Substations	Segment 1, Control, Haiwee, and Inyokern Substations: Alluvium, alluvial fan deposits, and colluvium. Locally may include pumice tuff-breccia, playa and lakebed deposits, talus, slope wash, flood-plain deposits, and glacial outwash. May include dissected alluvium of Pleistocene age in some areas. Segment 2: Alluvial fan deposits; includes dissected alluvium of probable Pleistocene age in some areas. Segment 3, Kramer Substation: alluvium and alluvial fan deposits.
Q - alluvium	Holocene to Pleistocene	Segments 2, 3N, and 3S; Kramer, Tortilla, and Coolwater Substations	Unconsolidated, poorly sorted stream, fan, and basin deposits. Sediment ranges from clay to boulder size.
Ql - lake deposits	Quaternary	Segments 1 and 3N	Segment 1: Fine sand, silt, and clay of lacustrine and fluviatile deposits of Owens Valley/Owens Lake. Segment 3N: Clay, silt, and fine sand; minor evaporite lenses; in part interbedded with alluvium.
Qo – older alluvium	Pleistocene	Segments 3N and 3S	Older dissected alluvial deposits.
Qod – well dissected alluvial fans	Pleistocene	Segment 3S	Well to very well dissected alluvial fan deposits.
Qc – nonmarine sedimentary deposits	Pleistocene	Segments 1 and 2	Segment 1: Mapped as Friant Formation on Mariposa 250K sheet. Older alluvium locally includes gravel, sand, clay, volcanic ash, pumice fragments, dissected alluvium terraces and terrace gravels, and interbedded continental stream and lake deposits. May include lake deposits of ancient Waucobi Lake in Bishop area. Segment 2: Older dissected alluvium and terrace gravels.
Qpv^{b} – basaltic volcanic rocks	Pleistocene	Segment 1	Basalt and basaltic-andesite flows of the Coso Range, some basalt flows may be late Tertiary. Black Mountains Basalt. Unnamed basalts (some of which may be older or younger than Pleistocene).
QT- continental deposits	Plio-Pleistocene	Segment 3N	Unnamed fanglomerate deposits, includes sandstone, conglomeritic sandstone, and conglomerate.
Pv^{p} – pyroclastic volcanic rocks	Pliocene	Segment 1	Volcanic rocks of the Coso Formation – rhyolitic tuff, lapilli tuff, and tuff breccia, white to light brown, sometimes reddish, moderately well bedded, often slightly welded, limy, or ferruginous; age may range to Pleistocene.
Mt – nonmarine sedimentary rocks and volcanic rocks of the Tropico Group	Miocene	Segment 3S	Tropico Group – Conglomerate, arkosic sandstone, siltstone, tuff, basalt breccia, shale, limestone, and chert.
Mi^{a}/Mi^{d} – shallow intrusive rocks	Miocene	Segment 3N	Intrusive andesite, dacite, and rhyolite
JKgd - granodiorite	Cretaceous - Jurassic	Segment 3N	Unnamed biotite granodiorite and biotite granodiorite porphyry.
Jqd – quartz diorite	Jurassic	Segment 3S	Quartz diorite.

Geologic Unit/ Formation	Age	Project Location	Description
Mzv – metavolcanic rocks	Mesozoic (Jurassic)	Segment 3S	Porphyry complex and unnamed metavolcanic rocks.
gr – undifferentiated granitic rocks	Mesozoic	Segments 1 and 2	Undivided granitic rocks, but may include: granite, quartz diorite, quartz monzonite, granodiorite, hornblende diorite, pegmatite, aplite, granophyre, and gneissic granite.
wg – Waterman Gneiss	Mesozoic to Precambrian	Segment 3N	Cataclastically deformed rocks of uncertain age that occurs in the Barstow area
ms – metasedimentary rocks of uncertain age	Mesozoic to Precambrian	Segment 3S	Quartzite, phyllite, and schist.
Pz – Marine sedimentary and metasedimentary rocks	Paleozoic	Segment 2	Garlock series – tactite, marble, phyllite, schist, hornfels, chert, limestone and shale (Permian in part).
Mzv – metavolcanic rocks	Mesozoic (Jurassic)	Segment 3S	Porphyry complex and unnamed metavolcanic rocks.
gr – undifferentiated granitic rocks	Mesozoic	Segments 1 and 2	Undivided granitic rocks, but may include: granite, quartz diorite, quartz monzonite, granodiorite, hornblende diorite, pegmatite, aplite, granophyre, and gneissic granite.
wg – Waterman Gneiss	Mesozoic to Precambrian	Segment 3N	Cataclastically deformed rocks of uncertain age that occurs in the Barstow area
ms – metasedimentary rocks of uncertain age	Mesozoic to Precambrian	Segment 3S	Quartzite, phyllite, and schist.
Pz – Marine sedimentary and metasedimentary rocks	Paleozoic	Segment 2	Garlock series – tactite, marble, phyllite, schist, hornfels, chert, limestone and shale (Permian in part).
pЄs - metamorphic schist	Precambrian	Segment 2; Randsburg Substation	Rand Schist – mica-quartz-albite schist and actinolite schist

Table Ap.6-2. DWR Groundwater Basins and Subsidence Potential

Groundwater Basin	Project Segment	2014 Subsidence Potential	Vertical Surface Displacement, years 2015-2023 (feet)
Owens Valley	1	Low-Medium	-0.5 to 0.5
Rose Valley	1	Insufficient data	
Indian Wells Valley	1, 2	Low	-0.5 to 0.5
Fremont Valley	2	Medium to High	NA
Cuddeback Valley	2	Insufficient data	NA
Harper Valley	2, 3N, 3S	High	NA
Lower Mojave River Valley	3N, 3S	High	-0.5 to 0.5

Table Ap.6-3. Significant Active and Potentially Active Faults in the Vicinity of the Proposed Project

Fault Name	Nearest Project Component	Distance (miles)[1]	Maximum Estimated Earthquake Magnitude[2]	Fault Type and Dip Direction
Owens Valley fault zone	Segment 1	0 (crosses 23 times)	7.3	Right-lateral strike-slip, 90°
Little Lake fault zone	Segment 1	0	6.9	Right-lateral strike-slip
Southern Sierra Nevada fault zone - Haiwee Section	Segment 1	0	7.5	Normal, 50° E
Airport Lake fault zone	Segment 1	2.9	5.5-6.5[3]	Normal, right lateral
White Mountains fault zone	Segment 1	3.5	7.4	Right-lateral strike-slip, 90°
Independence fault (Southern Sierra Nevada fault zone)	Segment 1	3.7	7.5	Normal, 50°E
Fish Slough fault zone	Segment 1	4.3	6.8	Normal, 50° E
Round Valley fault	Control Substation	7.5	7.1	Normal, 50° E
Hunter Mountain Connected (Hunter Mountain-Saline Valley-Panamint Valley)	Segment 1	12.1	7.6	Right-lateral strike-slip, 90°
Hilton Creek fault	Control Substation	19.2	6.9	Normal, 50° E
Kern Canyon fault	Segment 1	20.3	6.5 to 7.5[4]	Normal, 60° E
Death Valley fault zone (Fish Lake Valley fault)	Segment 1	27.8	7.2	Right-lateral strike-slip, 90°
Panamint Valley	Segment 1	34.2	7.4	Right-lateral strike-slip, 90°
Hartley Springs fault zone	Control Substation	35.3	6.8	Normal, East
Death Valley fault zone (Northern)	Segment 1	39.3	7.3	Right-lateral strike-slip, 90°
Garlock Fault zone (various segment rupture combinations)	Segment 2	0	7.3 to 7.7	Left-lateral strike-slip, 90°
Lenwood-Lockhart-Old Woman Springs fault zone	Segments 2, 3N, and 3S	0	7.5	Right-lateral strike-slip, 90°
Helendale-South Lockhart fault zone	Segments 2, 3N, and 3S	0	7.4	Right-lateral strike-slip, 90°
Tank Canyon	Segment 2	29	6.4	Normal, 50° W
Gravel Hills- Harper Lake fault zone	Segment 3N	0	7.1	Right-lateral strike-slip, 90°
Blackwater fault zone	Segment 3N	1.8		Right-lateral strike-slip, 90°
Camp Rock-Emerson-Copper Mtn fault zone	Segment 3N, 3S, and Coolwater Substation	4.7	7.1	Right-lateral strike-slip, 90°
Johnson Valley fault zone	Segment 3N, 3S, and Coolwater Substation	23.5	6.9	Right-lateral strike-slip, 90°
North Frontal (West) fault	Segment 3S and Tortilla Substation	29.5	7.2	Reverse, 49° S
North Frontal (East) fault	Segment 3S	33.4	7.0	Thrust, 41° S
S. San Andreas fault zone (various segment rupture combinations)	Segment 3S	40	6.9 to 8.1	Right-lateral strike-slip, 90°
Cleghorn fault	Segment 3S	40.9	6.8	Right-lateral strike-slip, 90°
San Jacinto fault zone (various segment rupture combinations)	Segment 3S	46	7.1 to 7.8	Right-lateral strike-slip, 90°

Table Ap.6-4. Significant Historic Earthquakes from 1900-2023 within 50 miles of the Proposed Project

Date	Earthquake Magnitude	Earthquake Name or General Location	Fault Involved, if Known	Approximate Closest Distance to Proposed Project and Closest Project Component
July 5, 2019	7.1	Ridgecrest Earthquake Sequence	Little Lake and/or Airport Lake fault zones	12.9 miles east of Segment 1
July 4, 2019	6.4	Ridgecrest Earthquake Sequence	Little Lake and/or Airport Lake fault zones	16.8 miles east of Segments 1 and 2, and Inyokern Substation
May 17, 1993	6.1	Near Big Pine	Northern Death Valley fault zone	26.5 miles east of Segment 1
June 28, 1992	7.3	Landers Earthquake	Johnson Valley, Landers, Homestead Valley	54 miles south of Segment 3S and Coolwater Substation
June 28, 1992	6.3	Big Bear Earthquake (Landers Earthquake sequence)	Unnamed fault	46 miles south of Segment 3S and Coolwater Substation
July 21, 1986	6.4	Chalfant Valley Earthquake	White Mountains fault zone	14.1 miles north of Segment 1 and Control Substation
November 23, 1984	6.1	Round Valley Earthquake	Round Valley fault	11.0 miles northwest of Segment 1 and Control Substation
May 27, 1980	6.2	Mammoth Lakes Earthquake Sequence	Hilton Creek fault	21.3 miles northwest of Segment 1 and Control Substation
May 25, 1980	6.1	Mammoth Lakes Earthquake Sequence	Hilton Creek fault	26.0 miles northwest of Segment 1 and Control Substation
May 25, 1980	6.0	Mammoth Lakes Earthquake Sequence	Hilton Creek fault	32.9 miles northwest of Segment 1 and Control Substation
May 25, 1980	6.1	Mammoth Lakes Earthquake Sequence	Hilton Creek fault	23.4 miles northwest of Segment 1 and Control Substation
April 10, 1947	6.5	Manix Earthquake	Manix fault	20 miles east of Segment 3N and Coolwater Substation
March 15, 1946	6.3	Walker Pass Earthquake	Uncertain	14 miles northwest of Inyokern Substation
November 4, 1908	6.5	Panamint Range or Death Valley Region	Uncertain	49.7 miles northeast of Inyokern Substation
March 26, 1872	Estimated 7.4 to 7.9	Owens Valley Earthquake	Owens Valley fault zone	0 to 0.6 miles east of Segment 1

Table Ap.6-5. Select Characteristics of Soils Underlying Segment 1 of the Proposed Project

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
SSURGO Soil Survey CA802									
110	Aquents-Aquic torripsamments association, 0 to 2 percent slopes	Present on stream terraces and river valleys; parent material consists of alluvium from mixed sources.	2.31	1.8	Moderate-High	Low-Moderate	Low	Moderate-High	Low-High
115	Arizo gravelly loamy sand, 5 to 9 percent slopes	Present on fan terraces, alluvial fans and fan piedmonts; parent material consists of alluvium derived from granite	1	0.78	High	Low	Low	Moderate	Low
116	Arizo gravelly loamy sand, 9 to 15 percent slopes	Present on fan piedmonts, fan terraces, and alluvial fans; parent material consists of alluvium derived from granite	0.88	0.69	High	Low	Low	Moderate	Low
118	Arizo-Yellowrock complex, 5 to 9 percent slopes	Present on alluvial fans and fan piedmonts; parent material consists of alluvium derived from granite	4.18	3.26	High	Low	Low	Moderate-High	Low-High
145	Cajon loamy sand, stratified substra-tum, 0 to 5 percent slopes	Present on inset fans and fan piedmonts; parent material consists of alluvium derived from granite	0.82	0.64	High	Low	Low	High	Moderate
146	Cajon gravelly loamy sand, 0 to 5 percent slopes	Present on fan piedmonts, fan terraces, and alluvial fans; parent material consists of alluvium derived from granite	4.01	3.13	High	Low	Low	Moderate	Moderate
148	Cajon-Mazourka-Eclipse complex, 0 to 2 percent slopes	Present on river valleys, lake terraces, lacustrine terraces, and stream terraces; parent material consists of alluvium derived from mixed sources	1.4	1.09	High	Low-Moderate	Low-Moderate	High	Moderate
149	Cajon-Typic Torriorthents complex, 0 to 5 percent slopes	Present on shoreline barrier bars, barrier bar on relict shorelines, and lake plains; parent material consists of alluvium derived from granite	0.66	0.51	Moderate-High	Low	Low	Moderate-High	Low-High
152	Cartago gravelly loamy coarse sand, 5 to 30 percent slopes	Present on alluvial fans and fan piedmonts; parent material consists of alluvium derived from granite	2.03	1.58	High	Low	Low	Low	Low
154	Cartago gravelly loamy sand, 0 to 2 percent slopes	Present on alluvial fans and fan piedmonts; parent material consists of alluvium derived from granite	2.07	1.62	High	Low-Moderate	Low	Low	Low

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
155	Cartago gravelly loamy sand, 2 to 5 percent slopes	Present on alluvial fans and fan piedmonts; parent material consists of alluvium derived from granite	0.68	0.53	High	Low-Moderate	Low	Low	Low
187	Dehy sandy loam, loamy substratum, 0 to 2 percent slopes	Present on fan terraces and fan piedmonts; parent material consists of alluvium derived from mixed sources	0.53	0.42	Moderate-High	Low-Moderate	Low	Moderate	Moderate
191	Division-Numu complex, 0 to 2 percent slopes	Present on lacustrine lake terraces, stream terraces, and river valleys; parent material consists of alluvium derived from mixed sources and lacustrine deposits derived from mixed sources	1.83	1.42	Moderate-High	Low-High	Low-High	High	Moderate-High
196	Goodale loamy coarse sand, 5 to 15 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from granite	0.11	0.08	Moderate-High	Low	Low	High	Low
200	Goodale-Cartago complex, 5 to 15 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from granite	2.12	1.65	Moderate-High	Low	Low	Low	Low
201	Goodale-Cartago complex, moist, 2 to 5 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from granite	0.47	0.37	Moderate-High	Low	Low	Low	Low
202	Goodale-Cartago complex, moist, 5 to 15 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from granite	1.78	1.39	Moderate-High	Low	Low	Low-High	Low
207	Helendale-Cajon complex, 0 to 5 percent slopes	Present on fan terraces and fan piedmonts; parent material consists of alluvium derived from granite	2.29	1.79	High	Low	Low	Moderate-High	Low-Moderate
208	Helendale-Cajon complex, dry, 0 to 5 percent slopes	Present on fan terraces and fan piedmonts; parent material consists of alluvium derived from granite	1.1	0.85	High	Low	Low	Moderate-High	Low-Moderate
210	Hesperia-Cartago complex, 0 to 5 percent slopes	Present on fan piedmonts and alluvial fans; parent material consists of alluvium derived from granite	0.41	0.32	Moderate-High	Low	Low	Low	Low
221	Inyo sand, 0 to 9 percent slopes	Present on dunes on stream terraces and river valleys; parent material consists of alluvium derived from mixed sources	0.52	0.4	High	Low	Low	High	Low

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
230	Lithic Torriorthents-Badland complex, 15 to 75 percent slopes	Present on hills and mountains; parent material consists of residuum weathered from metavolcanics and/or metasedimentary rock and/or granite	0.72	0.57	High	Low	Low	Moderate	Low
231	Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes	Present on hills and mountains; parent material consists of residuum weathered from metavolcanics and/or metasedimentary rock and/or granite	0.92	0.72	Low-High	Low	Low-Moderate	Moderate	Low
245	Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from granite	0.57	0.44	High	Low	Low	Low	Low
247	Lucerne gravelly loamy sand, 2 to 5 percent slopes	Present on alluvial fans and fan piedmonts; parent material consists of alluvium derived from granite	1.26	0.98	High	Low	Low	Low	Low
249	Manzanar silt loam, 0 to 2 percent slopes	Present on river valleys, and lake and stream terraces; parent material consists of alluvium and/or lacustrine deposits derived from mixed sources	5.35	4.17	Moderate	Low-Moderate	Low-Moderate	High	High
251	Manzanar-Westguard association, 0 to 2 percent slopes	Present on stream terraces and river valleys; parent material consists of alluvium derived from mixed sources	0.98	0.77	Moderate-High	Low-Moderate	Low-Moderate	High	Moderate-High
252	Manzanar-Winnedumah association, 0 to 2 percent slopes	Present on lake and stream terraces, lake beds (relict) and river valleys; parent material consists of alluvium and/or lacustrine deposits derived from mixed sources	1.63	1.27	Moderate	Low-Moderate	Low-Moderate	High	High
257	Mazourka-Eclipse complex, 0 to 2 percent slopes	Present on stream and lake terraces, and river valleys; parent material consists of alluvium derived from mixed sources	1.11	0.87	High	Low-Moderate	Low-Moderate	High	Moderate
259	Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes	Present on stream and lake terraces, lacustrine terraces, and river valleys; parent material consists of alluvium derived from mixed sources	0.76	0.6	High	Low-Moderate	Low	High	Moderate

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
261	Mazourka hard substratum-Mazourka-Eclipse complex, 0 to 2 percent slopes	Present on stream terraces and river valleys; parent material consists of alluvium derived from mixed sources	4.52	3.52	High	Low-High	Low-Moderate	Moderate-High	Moderate
273	Neuralia-Timosea-Typic Argidurids complex, 2 to 15 percent slopes	Present on fan terraces, fan remnants, and fan piedmonts; parent material consists of alluvium derived from granite	5.25	4.09	Moderate-High	Low	Low-High	Moderate-High	Low-Moderate
290	Pokonahbe-Rindge family association, 0 to 5 percent slopes	Present on lake and stream terraces, springs along fault escarpments, and river valleys; parent material consists of organic material over alluvium derived from mixed sources	1.14	0.89	Moderate-High	Low-Moderate	Low-Moderate	High	Low-Moderate
293	Poleta-Mazourka-Eclipse complex, 0 to 2 percent slopes	Present on stream and lake terraces, and river valleys; parent material consists of alluvium derived from mixed sources	1.65	1.28	High	Low-Moderate	Low	High	Low-Moderate
294	Poleta-Mazourka-Slickspots complex, 0 to 2 percent slopes	Present on stream and lake terraces, and river valleys; parent material consists of alluvium derived from mixed sources	1.2	0.94	High	Low-Moderate	Low-Moderate	High	Low-Moderate
296	Rienhakel sand, 0 to 2 percent slopes	Present on valleys, and stream and lake terraces; parent material consists of alluvium derived from mixed sources	2.84	2.21	High	Low-Moderate	Low-Moderate	High	High
308	Seaman-Yellowrock complex, 2 to 5 percent slopes	Present on fan terraces, alluvial fans, and fan piedmonts; parent material consists of alluvium derived from mixed sources	1.13	0.88	High	Low-Moderate	Low	High	Moderate
311	Shabbell sandy loam, 0 to 2 percent slopes	Present on stream terraces, fan terraces, and fan piedmonts; parent material consists of alluvium derived from mixed sources	0.28	0.22	Moderate	Low	Low	Moderate	Low
318	Shondow-Hessica association, 0 to 2 percent slopes	Present on stream terraces and river valleys; parent material consists of alluvium derived from mixed sources	0.36	0.28	Moderate-High	Low-Moderate	Low-Moderate	Moderate-High	Moderate-High
324	Timosea-Neuralia complex, warm, 2 to 9 percent slopes	Present on fan terraces and fan piedmonts; parent material consists of alluvium derived from granite	2.15	1.68	Low-High	Low	Low-Moderate	Moderate-High	Low-Moderate

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
327	Torrifluvents, 0 to 2 percent slopes	Present on stream terraces and river valleys; parent material consists of alluvium derived from mixed sources	0.05	0.04	Low-Moderate	Low-Moderate	Low-Moderate	High	High
328	Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes	Present on stream terraces, depressions, and river valleys; parent material consists of volcanic ash and/or alluvium derived from mixed sources	0.9	0.7	Low-Moderate	Low-Moderate	Low-Moderate	High	High
332	Typic Psamma-quents, 0 to 2 percent slopes	Present on rims on playas and lake plains; parent material consists of alluvium derived from mixed sources and lacustrine deposits	1.79	1.4	High	Low-Moderate	Low	High	High
358	Westguard-Rienhakel association, 0 to 2 percent slopes	Present on lake terraces, stream terraces, and river valleys; parent material consists of alluvium derived from mixed sources	1.78	1.39	High	Low-High	Low-Moderate	Moderate-High	Moderate-High
359	Whitewolf-Toquerville families associ-ation, 15 to 50 percent slopes	Present on hills; parent material consists of colluvium derived from granite and/or residuum weathered from granite	0.84	0.66	High	Low	Low	Low	Low
360	Whitewolf-Toquerville families associa-tion, warm, 15 to 50 percent slopes	Present on hills; parent material consists of colluvium derived from granite and/or residuum weathered from granite	0.27	0.21	High	Low	Low	Low	Low
362	Winerton-Hessica complex, 0 to 2 percent slopes	Present on stream terraces and river valleys; parent material consists of alluvium derived from mixed sources	7.73	6.03	Moderate-High	Low-Moderate	Low-Moderate	Moderate-High	Moderate-High
363	Winnedumah silt loam, 0 to 2 percent slopes	Present on lake beds (relict), stream terraces, and river valleys; parent material consists of alluvium derived from mixed sources and/or lacustrine deposits	4.99	3.89	Moderate	Low-Moderate	Low-Moderate	High	High
364	Winnedumah fine sandy loam, 0 to 2 percent slopes	Present on lakebeds (relict), stream terraces, and river valleys; parent material consists of alluvium derived from mixed sources and/or lacustrine deposits	1.41	1.1	Moderate-High	Low-Moderate	Low-Moderate	High	High

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
366	Xeric Argidurids, 2 to 9 percent slopes	Present on fan remnants and fan piedmonts; parent material consists of alluvium derived from granite	1.32	1.03	High	Low	Low-High	Moderate	Low
369	Xeric Haplodurids, 2 to 9 percent slopes	Present on alluvial fans and fan piedmonts; parent material consists of alluvium derived from mixed sources and/or alluvium derived from volcanic rock	1.63	1.27	High	Low	Low	Low	Low
372	Yellowrock sand, 0 to 5 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from mixed sources	0.54	0.42	High	Low	Low	High	High
374	Yellowrock-Seaman complex, 2 to 5 percent slopes	Present on alluvial fans, fan terraces, and fan piedmonts; parent material consists of alluvium derived from mixed sources	0.41	0.32	High	Low-Moderate	Low	High	High
378	Yermo stony-Yermo complex, 5 to 15 percent slopes	Present on fan piedmonts and fan terraces; parent material consists of alluvium derived from mixed sources	1.11	0.86	Low-Moderate	Low	Low	High	Moderate
379	Yermo stony-Yermo complex, cool, 5 to 15 percent slopes	Present on fan terraces and fan piedmonts; parent material consists of alluvium derived from metasedimentary rock	0.59	0.46	Low-Moderate	Low	Low	High	Moderate
STATSGO National Soil Survey - California									
S768	Rosamond variant-Rosamond-Playas-Gila-Cajon Variant-Cajon	Rosamond: present on lower margin of alluvial fans between the sloping fans and playas; parent material consists of alluvium derived from granitic rock; slopes are 0 to 2 percent. Gila: present on alluvial fans and flood plains; parent material consists of stratified alluvium; slopes are 0 to 5 percent. Cajon: present on alluvial fans and river terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent.	1.27	1.01	Low-High	Low-Moderate	Low-Moderate	Low-High	Low-High
S1024	Wasco-Rosamond-Cajon	Wasco: present on alluvial fans and flood plains; parent material derived from igneous and/or sedimentary rock; slopes are 0 to 5 percent.	17.93	14.21	Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-High

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
		Rosamond: present on lower margin of alluvial fans between the sloping fans and playas; parent material consists of alluvium derived from granitic rock; slopes are 0 to 2 percent. Cajon: present on alluvial fans and river terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent.							
S1077	Rock outcrop-Mexispring	Present on hills and mountains; parent material consists of colluvium and residuum derived from granitic rocks; slopes are 15 to 85 percent.	0.38	0.31	Low	Low-Moderate	Low	High	Low
S1086	Yermo-Ulymeyer-Tinemana-Goodale-Cartago	Yermo: present alluvial fans or uplands; parent material consists of alluvium derived from mixed sources; slopes are 0 to 50 percent. Ulymeyer: present on alluvial fans and fan terraces; parent material consists of alluvium derived from granitic rock; slopes are 5 to 15 percent. Tinemana: present on alluvial fans and fan terraces; parent material consists of alluvium derived from granitic sources; slopes are 0 to 15 percent. Goodale: present on bouldery alluvial fans and fan terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent. Cartago: present on alluvial fans, fan terraces, and edges of valley floors; parent material consists of alluvium derived from granitic rock; slopes are 0 to 30 percent.	10.43	8.26	Low-High	Low	Low	Low-High	Low-Moderate
S1127	Upspring-Sparkhule-Rock outcrop	Upspring: present on hills, mountains, and plateaus; parent material consists of alluvium derived from extrusive basic igneous rocks and some pyroclastic material; slopes are 8 to 75 percent.	4.27	3.39	Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate	Low

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 1 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
		Sparkhule: present on rock pediments and hills; parent material consists of alluvium derived from volcanic or granitic rock; slopes are 5 to 50 percent.							

Table Ap.6-6. Select Characteristics of Soils Underlying Segment 2 of the Proposed Project

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 2 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
STATSGO National Soil Survey - California									
S769	Neuralia-Garlock-Cajon-Alko	Neuralia: present on alluvial fans, fan terraces, and plains; parent material consists of alluvium derived from mixed sources; slopes are 0 to 15 percent. Garlock: present on old stream terraces and alluvial fans; parent material consists of alluvium derived from mixed sources; slopes are 2 to 9 percent. Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium derived from granitic rocks; slopes are 0 to 15 percent. Alko: present on fan piedmonts; parent material consists of alluvium derived from ignimbrite, granodiorite, and basalt; slopes are 0 to 15 percent.	6.44	13.31	Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-Moderate
S770	Randsburg-Muroc	Randsburg: present on hills and granitic rock pediments; parent material consists of residuum derived from granitic rock; slopes are 2 to 50 percent. Muroc: present on hills and granitic rock pediments; parent material consists of alluvium derived from granitic rock; slopes are 2 to 15.	9.43	19.5	Moderate-High	Moderate	Low	Moderate	Low

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 2 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
S813	Trigger-Sparkhule-Rock outcrop	Trigger: present on uplands; parent material consists of alluvium derived from hard sedimentary rock; slopes are 5 to 50 percent. Sparkhule: present on rock pediments and hills; parent material consists of residuum derived from volcanic or granitic rocks; slopes are 5 to 50 percent.	2.86	5.91	Low-Moderate	Low-Moderate	Low-Moderate	Moderate	Low
S1024	Wasco-Rosamond-Cajon	Wasco: present on alluvial fans and flood plains; parent material derived from igneous and/or sedimentary rock; slopes are 0 to 5 percent. Rosamond is present on the lower margin of the alluvial fans between the sloping fans and the playas; parent material consists of alluvium derived from granitic rock; slopes are 0 to 2 percent. Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent.	24.56	50.77	Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-High
S1126	Tecopa-Rock outcrop-Lithic Torriorthents	Tecopa: present on low hills and low mountain side slopes; parent material consists of residuum and colluvium derived from quartzite, schists, and gneiss; slopes are 15 to 75 percent.	3.07	6.35	Low	Low	Low	Moderate	Moderate
S1142	Nickel-Bitter-Arizo	Nickel: present on fan remnants; parent material consists of alluvium derived from mixed sources; slopes are 0 to 35 percent. Bitter: present on dissected fan terraces; parent material consists of alluvium derived from granite, gneiss, schist, limestone, and quartzite; slopes are 2 to 20 percent. Arizo: present on recent alluvial fans, inset fans, fan apron, fan skirts, stream terraces, and floodplains of intermittent streams and channels; parent material is alluvium derived from mixed sources; slopes are 0 to 15 percent.	1.00	2.06	Moderate-High	Low	Low	Moderate-High	Low-Moderate

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 2 (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
S1143	Cajon-Arizo	Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium derived from granitic rocks; slopes are 0 to 15 percent. Arizo: present on recent alluvial fans, inset fans, fan apron, fan skirts, stream terraces, and floodplains of intermittent streams and channels; parent material is alluvium derived from mixed sources; slopes are 0 to 15 percent.	1.00	2.08	Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-Moderate

Table Ap.6-7. Select Characteristics of Soils Underlying Segment 3N of the Proposed Project

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 3N (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
SSURGO Soil Survey CA671									
112	Cajon Sand, 0 To 2 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	5.3	11.9	High	Low	Low	Low	Low
113	Cajon Sand, 2 To 9 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from mixed sources	3.3	7.4	High	Low	Low	Low	Low
115	Cajon Gravelly Sand, 2 To 15 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	4.6	10.4	High	Low	Low	Low	Low
117	Cajon Loamy Sand, Loamy Substra-tum, 0 To 2 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	1.5	3.4	High	Low-Moderate	Low	High	Moderate
131	Helendale Loamy Sand, 0 To 2% Slopes	Present on fan remnants and inset fans; parent material consists of alluvium derived from granite sources	0.5	1.1	High	Moderate	Low	Moderate	Low
137	Kimberlina Loamy Fine Sand, Cool, 0 To 2 Percent Slopes	Found on fan skirts and fan aprons; parent material consists of alluvium derived from mixed sources	0.1	0.2	High	Moderate	Moderate	Moderate	Moderate

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 3N (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
151	Nebona-Cudde-back Complex, 2 To 9 Percent Slopes*	Present on fan remnants; parent material consists of alluvium derived from mixed sources	0.7	1.7	Moderate-High	Moderate	Low	High	High
152	Norob-Halloran Complex, 0 To 5 Percent Slopes*	Present on fan remnants; parent material consists of alluvium derived from granitic sources	4.7	10.7	High	Moderate	Low	High	High
159	Rosamond Loam, Saline-Alkali	Found on fan skirts; parent material consists of alluvium derived from granite	0.7	1.5	Moderate	Moderate-High	Moderate	High	High
170	Victorville Variant Sand	Present on flood plains; parent material consists of alluvium derived from granite	0.3	0.8	High	Moderate	Low	High	High
STATSGO National Soil Survey - California									
S1024	Wasco-Rosamond-Cajon	Wasco: present on alluvial fans and flood plains; parent material derived from igneous and/or sedimentary rock; slopes are 0 to 5 percent. Rosamond is present on the lower margin of the alluvial fans between the sloping fans and the playas; parent material consists of alluvium derived from granitic rock; slopes are 0 to 2 percent. Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent.	15.1	33.8	Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-High
S769	Neuralia-Garlock-Cajon-Alko	Neuralia: present on alluvial fans, fan terraces, and plains; parent material consists of alluvium derived from mixed sources; slopes are 0 to 15 percent. Garlock: present on old stream terraces and alluvial fans; parent material consists of alluvium derived from mixed sources; slopes are 2 to 9 percent. Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium	7.9	17.9	Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-Moderate

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 3N (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
		derived from granitic rocks; slopes are 0 to 15 percent. Alko: present on fan piedmonts; parent material consists of alluvium derived from ignimbrite, granodiorite, and basalt; slopes are 0 to 15 percent.							
S1134	Trigger-Rock Outcrop-Calvista	Trigger: present on uplands; parent material consists of alluvium derived from hard sedimentary rock; slopes are 5 to 50 percent.	1.4	3.1					
S1142	Nickel-Bitter-Arizo	Nickel: present on fan remnants; parent material consists of alluvium derived from mixed sources; slopes are 0 to 35 percent. Bitter: present on dissected fan terraces; parent material consists of alluvium derived from granite, gneiss, schist, limestone, and quartzite; slopes are 2 to 20 percent. Arizo: present on recent alluvial fans, inset fans, fan apron, fan skirts, stream terraces, and floodplains of intermittent streams and channels; parent material is alluvium derived from mixed sources; slopes are 0 to 15 percent.	3.8	8.5	Moderate-High	Low	Low	Moderate-High	Low-Moderate

Table Ap.6-8. Select Characteristics of Soils Underlying Segment 3S of the Proposed Project

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 3S (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
SSURGO Soil Survey CA671									
100	Arizo Gravelly Loamy Sand, 2 To 9% Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	0.8	1.8	High	Low-Moderate	1.5	Moderate	Low
105	Bryman Loamy Fine Sand, 0 To 2% Slopes	Found on fan remnants; parent material is alluvium derived from granite sources	0.2	0.5	High	Moderate	Low-Moderate	Moderate	Low

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 3S (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
112	Cajon Sand, 0 To 2 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	0.2	0.4	High	Low	Low	Low	Low
113	Cajon Sand, 2 To 9 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from mixed sources	3.8	8.6	High	Low	Low	Low	Low
115	Cajon Gravelly Sand, 2 To 15 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	7.5	16.9	High	Low	Low	Low	Low
117	Cajon Sand, 0 To 2 Percent Slopes	Present on alluvial fans; parent material consists of alluvium derived from granite sources	0.4	1.0	High	Low-Moderate	Low	High	Moderate
120	Cave Loam, Dry, 0 To 2% Slopes	Found on fan remnants; parent material is alluvium derived from granite sources	0.8	1.8	6	Moderate-High	Low	Moderate	Moderate
124	Lavic-Norob Complex, 2 To 9% Slopes	Present on fan pediments; parent material is alluvium derived from granite	0.5	1.1	High	Moderate-High	Low-Moderate	High	Moderate-High
135	Joshua Loam, 2 To 5% Slopes	Found on fan remnants; parent material is alluvium derived from mixed sources	0.1	0.2	Moderate			High	High
136	Norob Sandy Loam, 2 To 5% Slopes	Found on alluvial flats; parent material is alluvium derived from mixed sources	0.3	0.7	Moderate	Moderate-High	Low-High	High	High
140	Lavic Loamy Fine Sand	Present on fan skirts and fan aprons; parent material is alluvium derived from granite sources	0.2	0.3	High	Low-Moderate	Low-Moderate	High	Moderate
141	Lovelace Loamy Sand, 5 To 9% Slopes	Found on alluvial flats; parent material is alluvium derived from mixed sources	0.5	1.1	High	Low-Moderate	Low	Moderate	Moderate
151	Nebona-Cudde-back Complex, 2 To 9 Percent Slopes*	Present on fan remnants; parent material consists of alluvium derived from mixed sources	1.9	4.4	Moderate-High	Moderate	Low	High	High
152	Norob-Halloran Complex, 0 To 5% Slopes*	Present on fan remnants; parent material consists of alluvium derived from granitic sources	2.2	5.0	High	Moderate	Low	High	High
159	Rosamond Loam, Saline-Alkali	Found on fan skirts; parent material consists of alluvium derived from granite	1.2	2.7	High	Moderate	Low	High	High

Unit ID	Name	Description	Total Length (miles)	Percentage of Segment 3S (%)	Susceptibility to Erosion		Expansion Potential	Corrosion Potential	
					Wind	Sheet & Rill		Steel	Concrete
168	Typic Haplargids-Yermo Complex, 8 To 30% Slopes*	Found on hills: parent material is alluvium derived from mixed sources	1.1	2.6	Moderate	Low	Low	Moderate	Low
169	Victorville Sandy Loam	Found on flood plains; parent material is alluvium derived from granite	0.6	1.3	Moderate-High	Moderate	Low-Moderate	Moderate	Moderate
171	Villa Loamy Sand	Found on flood plains; parent material is alluvium derived from granite	1.6	3.6	High	Moderate	Low	Moderate	Moderate
172	Villa Loamy Sand, Hummocky	Found on flood plains; parent material is alluvium derived from granite	0.2	0.5	High	Moderate	Low	Moderate	Moderate
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S1024	Wasco-Rosamond-Cajon	Wasco: present on alluvial fans and flood plains; parent material derived from igneous and/or sedimentary rock; slopes are 0 to 5 percent. Rosamond is present on the lower margin of the alluvial fans between the sloping fans and the playas; parent material consists of alluvium derived from granitic rock; slopes are 0 to 2 percent. Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent.			Moderate-High	Low-Moderate	Low-Moderate	Low-High	Low-High
s1039	Norob-Halloran-Cajon-Bryman	Bryman: Found on fan remnants; parent material is alluvium derived from granite sources Cajon: present on alluvial fans, fan aprons, fan skirts, inset fans, and river terraces; parent material consists of alluvium derived from granitic rock; slopes are 0 to 15 percent							