

Preliminary design and engineering for the physical, civil, and outdoor components.

Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) FIGURE 5.4-3 **Proposed Impact Areas** Potential Guard Structure Area 1) Esri Proposed Access Route **Aquatic Resources within** Proposed Structure World Proposed Work Area the Biological Study Area Imagery RO-L1 Proposed TSP Proposed Pull Site PG&E New 230 kV Transmission Line Page 1 of 26 Structure: Modify or Replace Proposed Fenceline Scale: Existing 60 kV Power Line Structure: Remove

Northern San Joaquin 230 kV

Transmission Project

100 1:3,000

∃Feet

Existing Guy Stub Pole: Remove

Existing 230 kV Transmission Line

Proposed Staging Area

Wetland Sample Point

Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. E3. SP-1-SP-4x LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) **FIGURE 5.4-3 Proposed Impact Areas** Potential Guard Structure Area 1) Esri Proposed Access Route **Aquatic Resources within** Proposed Structure World Proposed Work Area the Biological Study Area Imagery RO-L1 Proposed TSP Proposed Pull Site PG&E New 230 kV Transmission Line Structure: Modify or Replace Page 2 of 26 Proposed Fenceline Scale: Existing 60 kV Power Line Structure: Remove Proposed Staging Area Existing 230 kV Transmission Line 100 1:3,000 Northern San Joaquin 230 kV Existing Guy Stub Pole: Remove Wetland Sample Point Transmission Project Feet

Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. SW-4 (0.002 ac)SP-3b SW-3 SP-3a (0.009 ac) SW-2 (0.045 ac) SW-5 (0.004 ac) SP-2av SW-1 SW-6 (0.005 ac) (0.032 ac) SP-2b LEU INDUSTRIAL SUBSTATION EKettleman Ln PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) **FIGURE 5.4-3 Proposed Impact Areas** Potential Guard Structure Area Potentially Jurisdictional Aquatic Resources 1) Esri Proposed Access Route and Riparian Habitat Proposed Structure **Aquatic Resources within** World Seasonal Wetland (SW) (0.2 ac) Proposed Work Area the Biological Study Area Imagery RO-L1 Proposed TSP Wetland Sample Point PG&E New 230 kV Transmission Line Proposed Pull Site

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Northern San Joaquin 230 kV

Transmission Project

Scale:

100 1:3,000

Feet

 \times

Existing 60 kV Power Line

Existing 230 kV Transmission Line

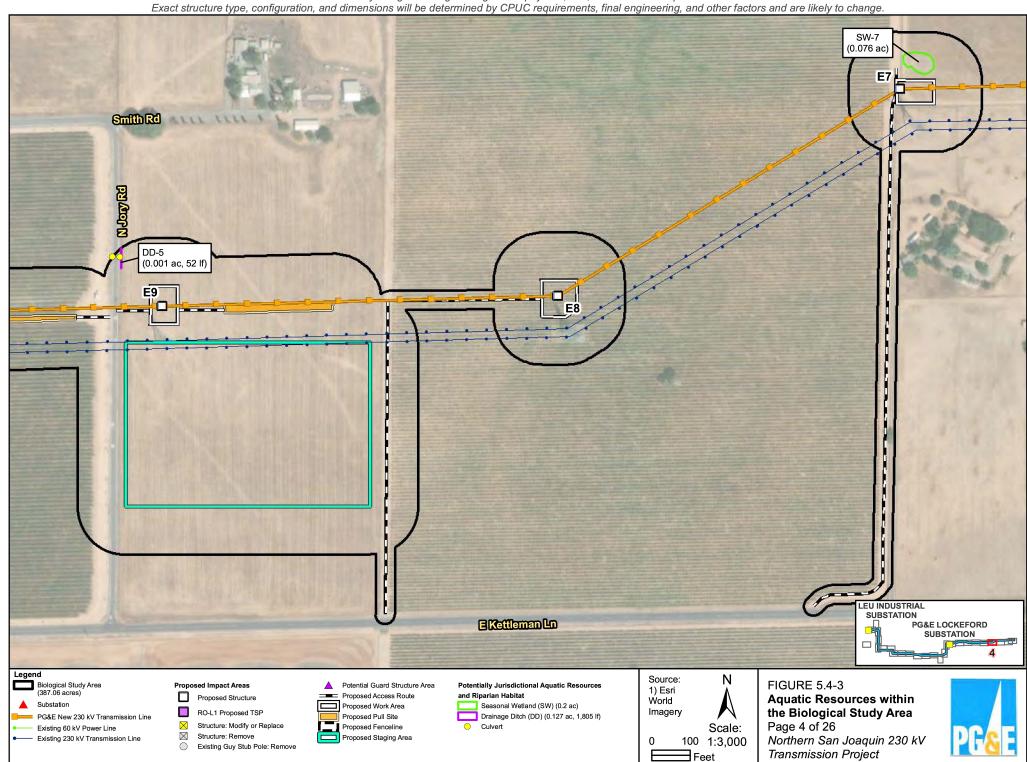
Structure: Modify or Replace

Existing Guy Stub Pole: Remove

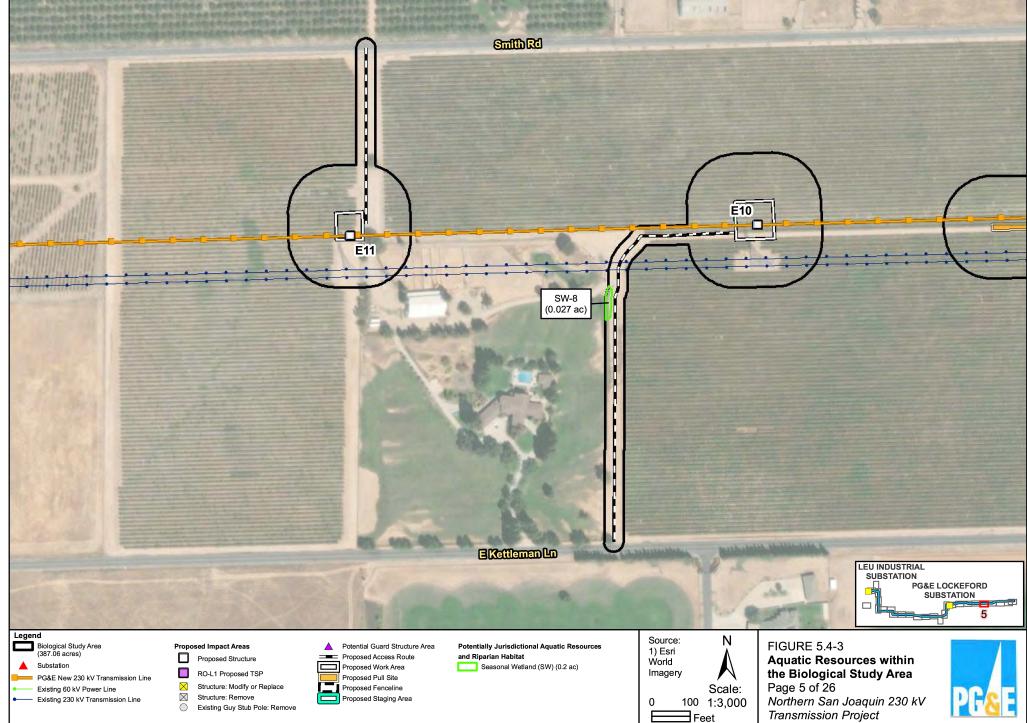
Structure: Remove

Proposed Fenceline

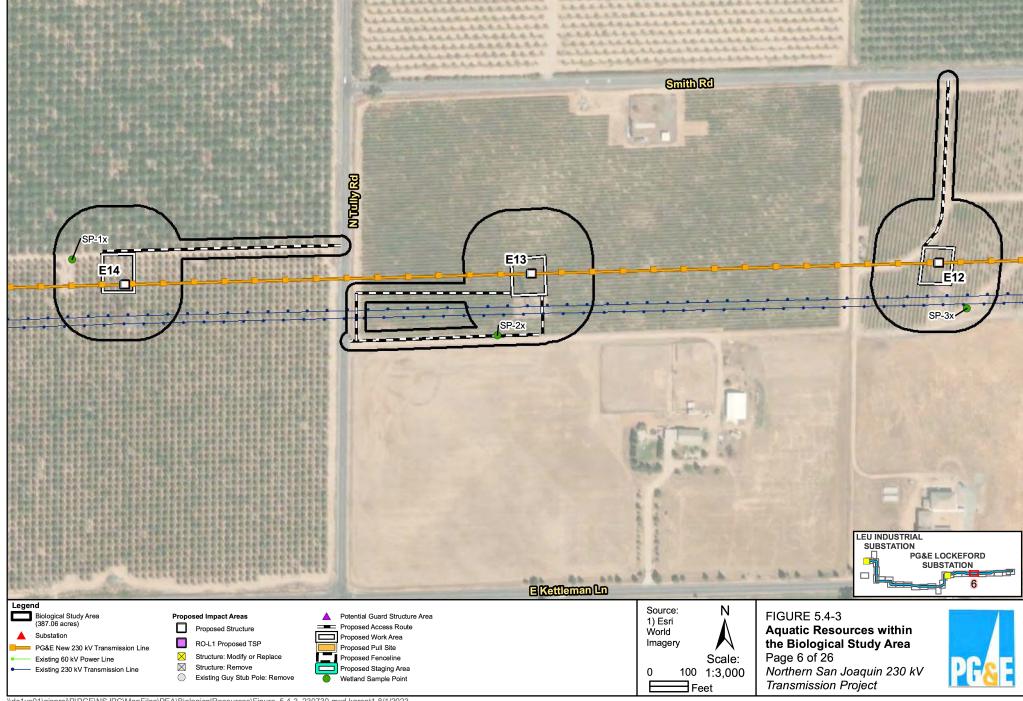
Proposed Staging Area

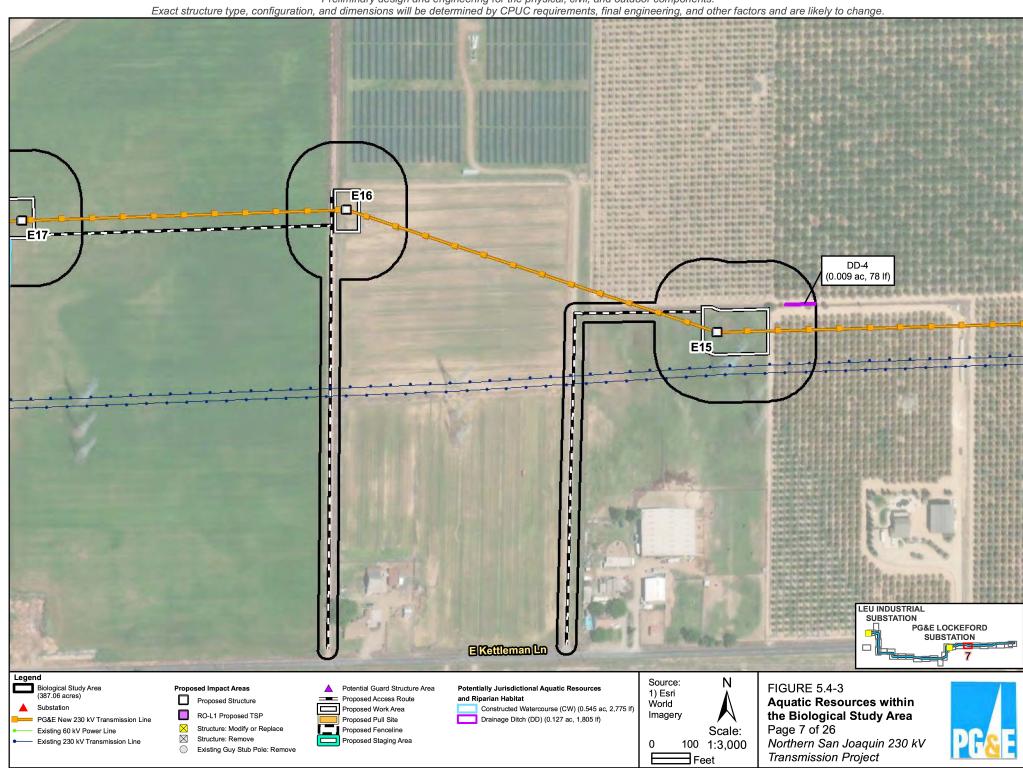


Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. NUMEROUS PERSONS STATISTICS. Smith Rd E11 SW-8 (0.027 ac) **EKettleman**Ln LEU INDUSTRIAL SUBSTATION

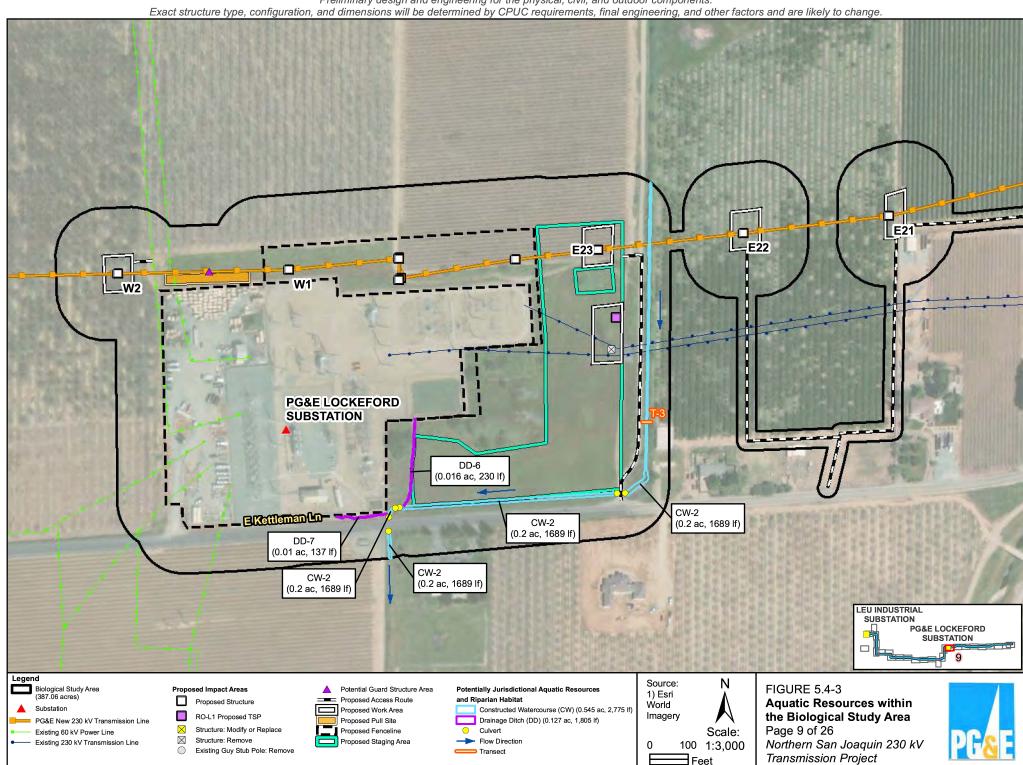


Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. Smith Rd E14 E12 SP-3x SP-2x LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION



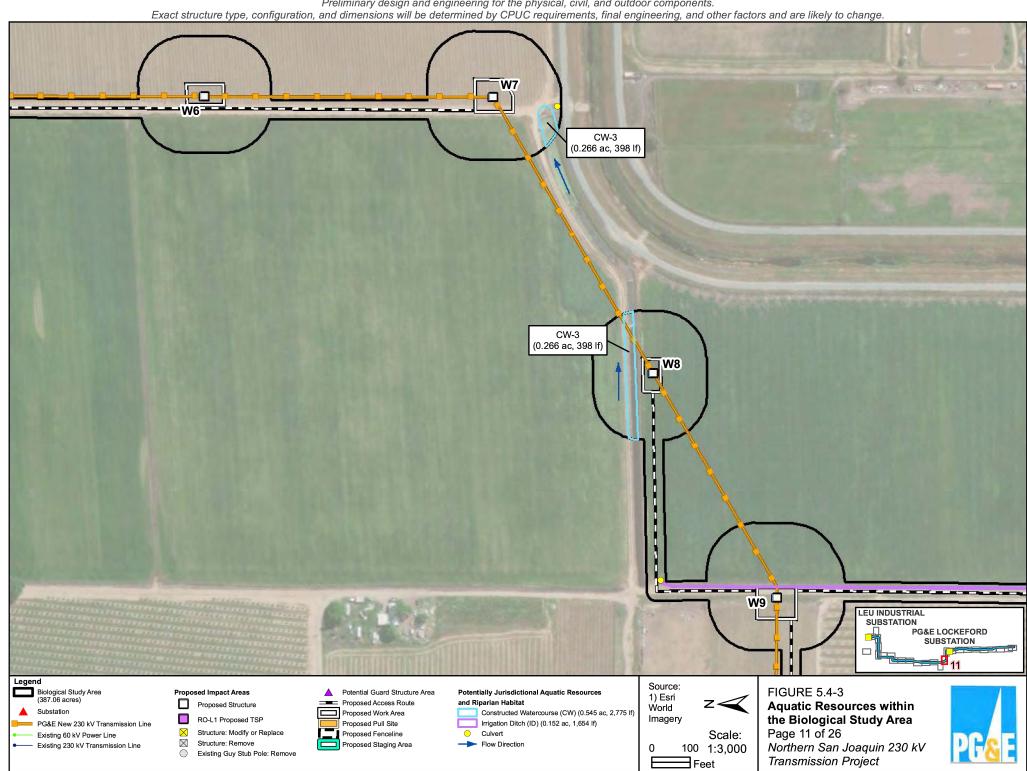


Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. DD-2 (0.05 ac, 544 lf) DD-3 (0.031 ac, 681 lf) E17 E18 E19 NW-1 CW-1 (0.041 ac, 129 lf) (0.079 ac, 688 lf DD-1 (0.01 ac, 83 lf) E20 LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION EKettleman Ln Legend Source: Ν Biological Study Area (387.06 acres) **FIGURE 5.4-3 Proposed Impact Areas** Potential Guard Structure Area **Potentially Jurisdictional Aquatic Resources** 1) Esri Proposed Access Route and Riparian Habitat Proposed Structure **Aquatic Resources within** World Natural Watercourse (NW) (0.247 ac, 359 lf) Proposed Work Area the Biological Study Area RO-L1 Proposed TSP Imagery Proposed Pull Site Constructed Watercourse (CW) (0.545 ac, 2,775 lf) PG&E New 230 kV Transmission Line Structure: Modify or Replace Drainage Ditch (DD) (0.127 ac, 1,805 lf) Page 8 of 26 Proposed Fenceline Scale: Existing 60 kV Power Line Structure: Remove Proposed Staging Area Culvert Existing 230 kV Transmission Line 100 1:3,000 Northern San Joaquin 230 kV Existing Guy Stub Pole: Remove Flow Direction Transmission Project Feet Transect



Preliminary design and engineering for the physical, civil, and outdoor components.

Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. **EKettleman** Lu LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) FIGURE 5.4-3 **Proposed Impact Areas** Potential Guard Structure Area 1) Esri Proposed Access Route **Aquatic Resources within** Proposed Structure World Proposed Work Area the Biological Study Area Imagery RO-L1 Proposed TSP PG&E New 230 kV Transmission Line Proposed Pull Site Structure: Modify or Replace Page 10 of 26 Proposed Fenceline Scale: Existing 60 kV Power Line Structure: Remove Proposed Staging Area Existing 230 kV Transmission Line 100 1:3,000 Northern San Joaquin 230 kV Existing Guy Stub Pole: Remove Transmission Project ∃Feet



Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. **Effamely** Lin NW-2 (0.205 ac, 230 lf) LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) FIGURE 5.4-3 **Proposed Impact Areas** Potential Guard Structure Area **Potentially Jurisdictional Aquatic Resources** 1) Esri Proposed Access Route and Riparian Habitat **Aquatic Resources within** Proposed Structure World Proposed Work Area

Structure: Remove Proposed Staging Area Existing 230 kV Transmission Line Existing Guy Stub Pole: Remove \\dc1vs01\gisproj\P\PGE\NSJPC\MapFiles\PEA\BiologicalResources\Figure_5.4-3_230730.mxd kgrant1 8/1/2023

PG&E New 230 kV Transmission Line

Existing 60 kV Power Line

RO-L1 Proposed TSP

Structure: Modify or Replace

Proposed Pull Site

Proposed Fenceline

Natural Watercourse (NW) (0.247 ac, 359 lf) Irrigation Ditch (ID) (0.152 ac, 1,654 lf) Flow Direction

Transect

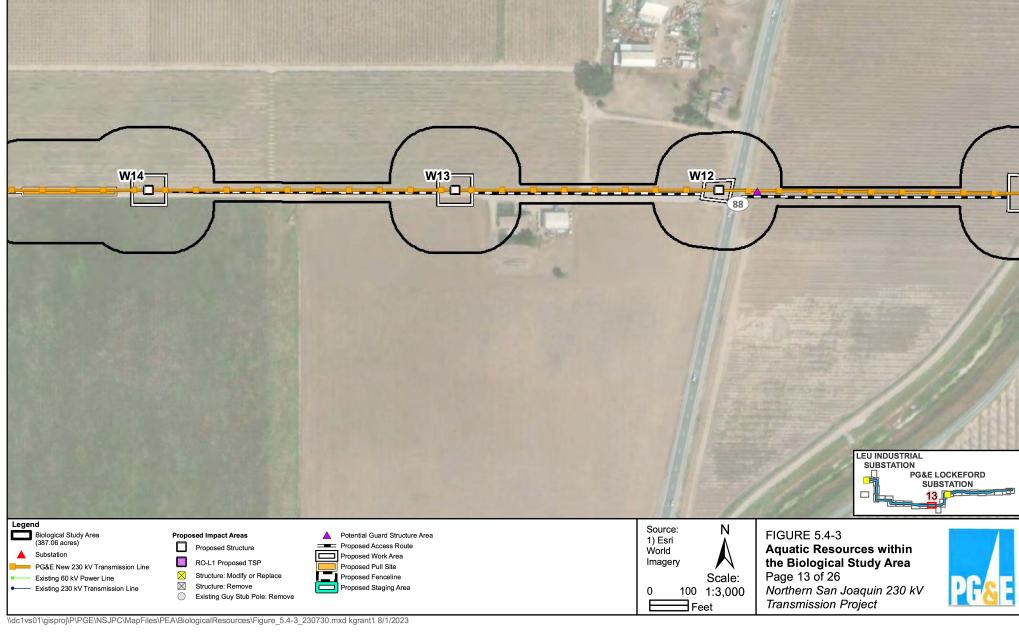
Imagery

Scale: 100 1:3,000 Feet

the Biological Study Area Page 12 of 26 Northern San Joaquin 230 kV Transmission Project



Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. W13-LEU INDUSTRIAL SUBSTATION



Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. W17_ W16-W15 LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) **FIGURE 5.4-3** Proposed Impact Areas Potential Guard Structure Area 1) Esri Proposed Access Route **Aquatic Resources within** Proposed Structure World Proposed Work Area

the Biological Study Area

Transmission Project

Northern San Joaquin 230 kV

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Imagery

Scale:

100 1:3,000

Feet



PG&E New 230 kV Transmission Line

Existing 230 kV Transmission Line

Existing 60 kV Power Line

RO-L1 Proposed TSP

Structure: Remove

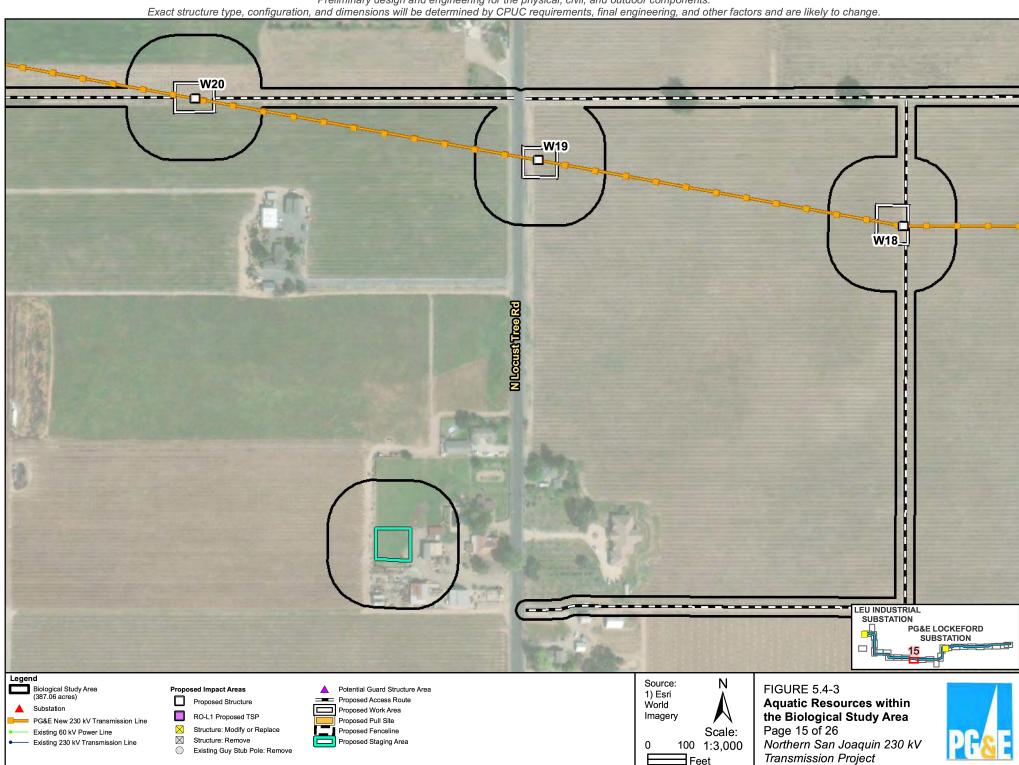
Structure: Modify or Replace

Existing Guy Stub Pole: Remove

Proposed Pull Site

Proposed Fenceline

Proposed Staging Area



Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. W23 LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) **FIGURE 5.4-3 Proposed Impact Areas** Potential Guard Structure Area 1) Esri Proposed Access Route **Aquatic Resources within** Proposed Structure World

the Biological Study Area

Transmission Project

Northern San Joaquin 230 kV

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Imagery

Scale:

100 1:3,000

Feet



PG&E New 230 kV Transmission Line

Existing 230 kV Transmission Line

Existing 60 kV Power Line

RO-L1 Proposed TSP

Structure: Remove

Structure: Modify or Replace

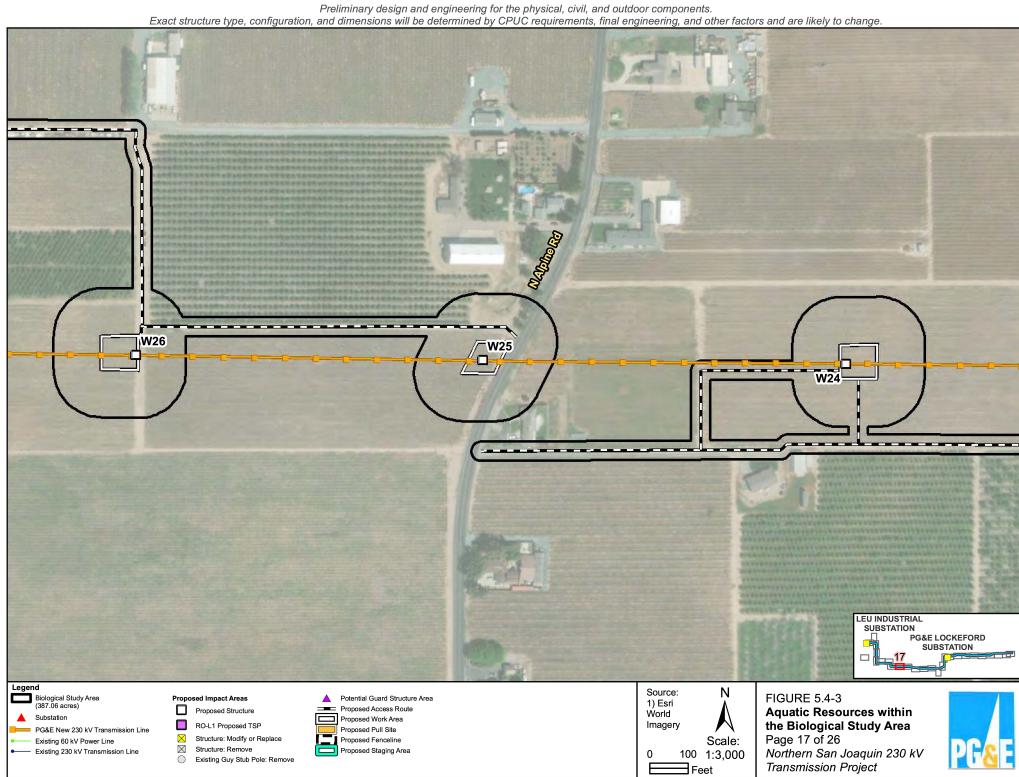
Existing Guy Stub Pole: Remove

Proposed Work Area

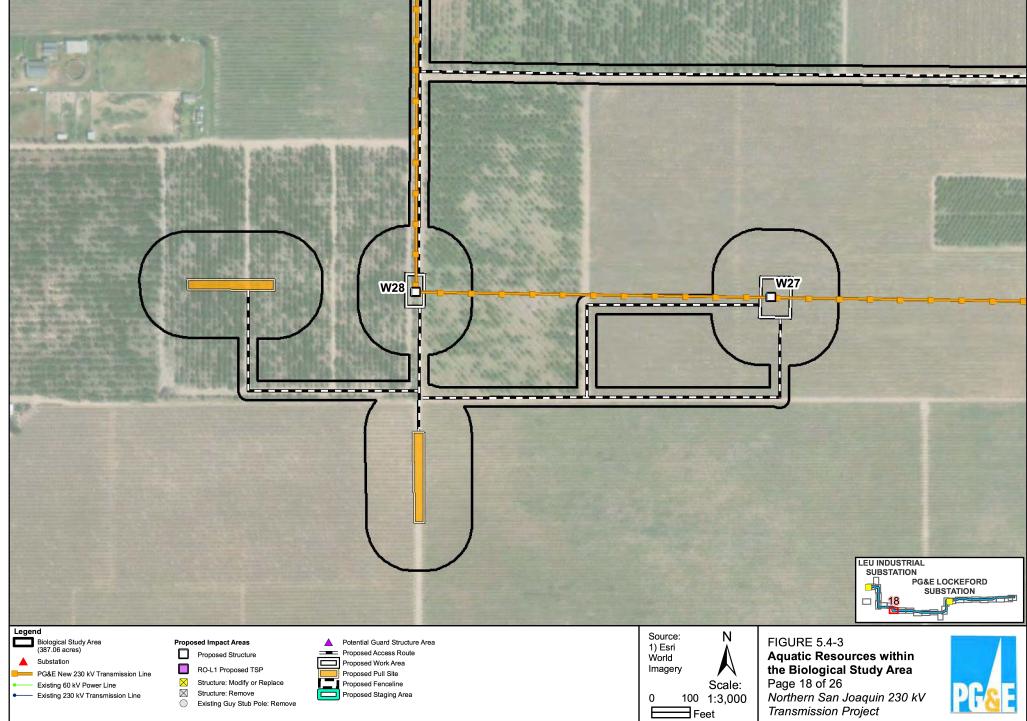
Proposed Fenceline

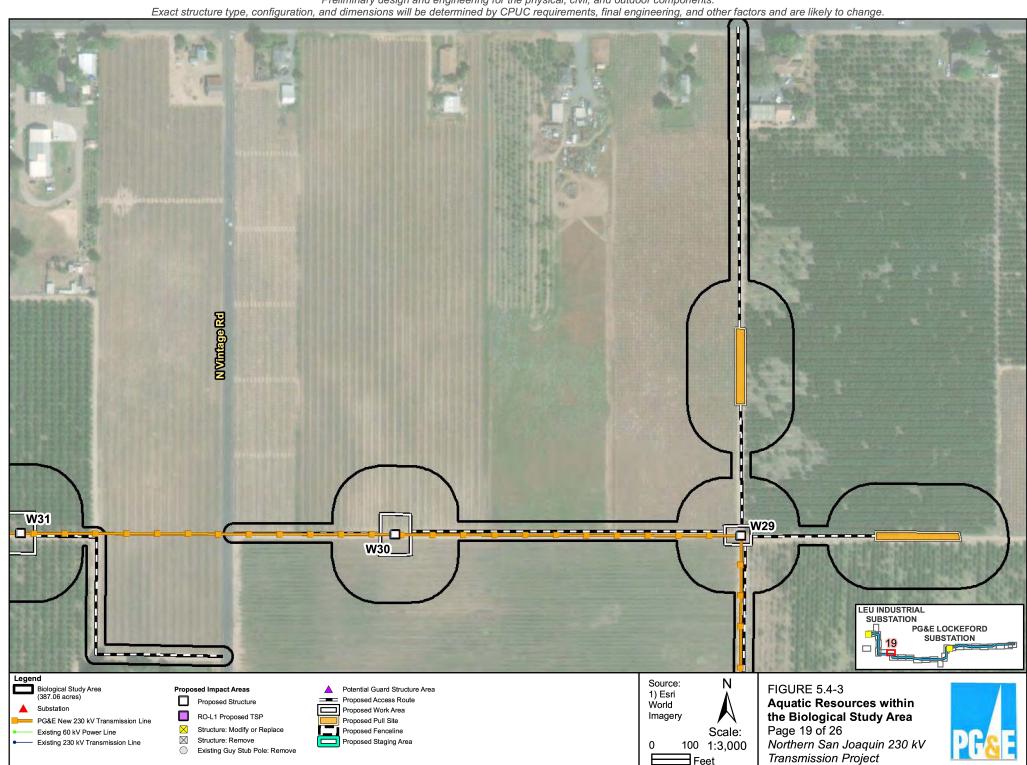
Proposed Staging Area

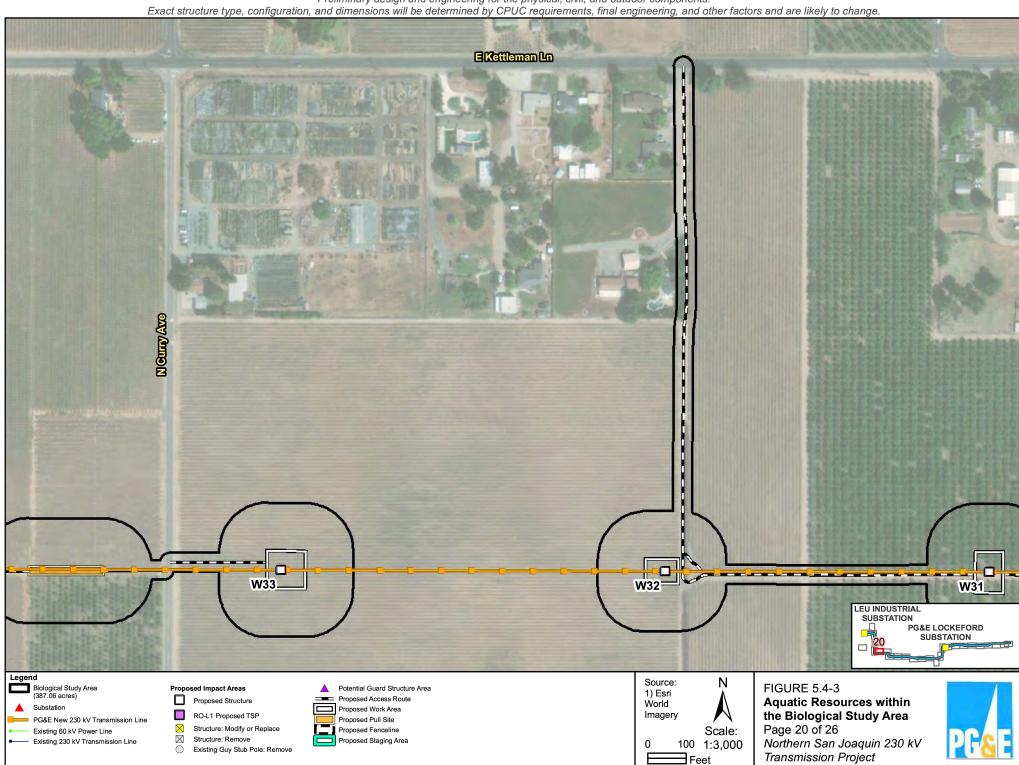
Proposed Pull Site



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Preliminary design and engineering for the physical, civil, and outdoor components. Exact structure type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are likely to change. **NCurry Ave** W35= W34___ LEU INDUSTRIAL SUBSTATION PG&E LOCKEFORD SUBSTATION Legend Source: Biological Study Area (387.06 acres) **FIGURE 5.4-3 Proposed Impact Areas** Potential Guard Structure Area 1) Esri Proposed Access Route **Aquatic Resources within** Proposed Structure World Proposed Work Area the Biological Study Area Imagery RO-L1 Proposed TSP Proposed Pull Site PG&E New 230 kV Transmission Line Structure: Modify or Replace Page 21 of 26 Proposed Fenceline Scale: Existing 60 kV Power Line Structure: Remove Proposed Staging Area Northern San Joaquin 230 kV Existing 230 kV Transmission Line 100 1:3,000 Existing Guy Stub Pole: Remove

Transmission Project

Feet

