

memorandum

date June 29, 2020

to John Forsythe, AICP

cc Cory Barringhaus (ESA), Eric Zigas (ESA)

from Sharon Dulava (ESA)

subject MPWSP – Ryan Ranch – Bishop Interconnection Project Weekly Report (06/22/2020 – 06/26/2020)

Construction Activities

Construction activities during the week of 6/22/2020 – 6/26/2020 were conducted by Monterey Peninsula Engineering (MPE) and consisted of installing vault components (pressure release valve/vault access cover) on Blue Larkspur Lane and staging area operations (removal of materials and equipment including removal of chain-link fencing). No other construction activities occurred on site.

Compliance Activities

ESA did not conduct a site inspection during the week of 6/22/2020 – 6/26/2020. Denise Duffy & Associates (CalAm monitors) were on site for daily spot checks and wildlife clearance surveys. Additional information is included in the weekly CalAm report included in **Appendix A**. No sign of American badger or additional bird or woodrat nests were reported for the period between 6/22/2020 and 6/26/2020.

Compliance Issues and Resolutions

No compliance issues were reported during the week of 6/22/2020 – 6/26/2020.

APPENDIX A

CalAm Weekly Report



DENISE DUFFY & ASSOCIATES, INC.

PLANNING AND ENVIRONMENTAL CONSULTING

DATE: June 26, 2020

TO: Cory Barringhaus, Environmental Science Associates (ESA)

FROM: Matthew Johnson, Denise Duffy & Associates, Inc. (DD&A)

CC: Even Holmboe, ESA
Sharon Dulava, ESA
Tyler Potter, DD&A

RE: **MPWSP Construction Weekly Biological Monitoring Report**

Denise Duffy & Associates, Inc. (DD&A) is contracted with AECOM to provide biological monitoring support for the California American Water Company (CalAm) Monterey Peninsula Water Supply Project (MPWSP). Biological monitoring includes providing environmental guidance to construction personnel and ensuring the project remains in compliance with the Mitigation, Monitoring, Compliance, and Reporting Program (MMCRP).

This report summarizes the results of monitoring for the week of **June 19 – June 25, 2020.**

Project/Component: Ryan Ranch – Bishop Interconnection Project	Work Location: Ragsdale Drive. Lower Ragsdale Drive, Wilson Road, York Road, Blue Larkspur Lane and Staging Area
Monitoring Period: 6/19/2020 – 6/25/2020	Project Completion Status: 5,887 Linear Feet of Pipeline Installation (Pipeline Alignment Complete, Staging Yard Cleanup
Construction Contractors/Personnel: Monterey Peninsula Engineering	Biological Lead: M. Johnson
Biological Monitors: P. Krabacher, M. Hofmarcher	Days on Site: 6/19, 6/22, 6/23, 6/24, 6/25

Biological Surveys: Nesting Bird, American Badger, Monterey Dusky-Footed Woodrat (MDFW) Nests	WEAT Training: No
New Sensitive Resources: No	SWPPP Corrective Actions/Maintenance: No
Encountered Special-Status Species: No	Hazardous Spills: No
Relocated Plants or Wildlife: No	Compliance Issues: No

Summary of Construction Activities

This section is intended to provide a brief summary of daily construction progress. For a more detailed description of construction activities please refer to the daily logs prepared by CalAm's Inspector.

- 6/19/2020
 - MPE installing vault components on Blue Larkspur Lane.
- 6/22/2020
 - No construction observed during monitoring period.
- 6/23/2020
 - Observed staging yard operations (loading up and removal of materials and equipment).
- 6/24/2020
 - Observed removal of chain-link fencing surrounding staging area.
- 6/25/2020
 - No construction observed during monitoring period.

Summary of Monitoring Activities

- 6/19/2020
 - Walked alignment and staging area and conducted daily monitoring requirements per MM 4.6-1c.
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from 0830 to 0930.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment.
 - Photographed and recorded monitoring activities.
- 6/22/2020
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from 0815 to 0930.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment.
 - Photographed and recorded monitoring activities.
- 6/23/2020
 - Walked alignment and staging area and conducted daily monitoring requirements per MM 4.6-1c.
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from 0915 to 1030.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment.
 - Photographed and recorded monitoring activities.
- 6/24/2020
 - Walked alignment and staging area and conducted daily monitoring requirements per MM 4.6-1c.
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from 1030 to 1115.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment.

- Photographed and recorded monitoring activities.
- 6/25/2020
 - Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from 1115 to 1200.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment.
 - Photographed and recorded monitoring activities.

Environmental Compliance Issues

DD&A did not observe any compliance issues during this monitoring period.

Recommendations

No adaptive management or mitigation is required.

Attachments

- Daily Monitoring Logs

Daily Monitoring Logs



Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v3

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	100708
Survey Date	06/19/2020
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Is this a Non-Work day?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Project Location Monitored	<input type="checkbox"/> Lower Ragsdale Drive <input type="checkbox"/> Ragsdale Drive <input type="checkbox"/> Staging Area <input type="checkbox"/> Wilson Road
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	08:00 AM
Time Out	10:00 PM

Weather

Start Temperature (F)	56
Start Cloud Cover (%)	100
Start Wind Speed (mph)	5
End Temperature (F)	59
End Cloud Cover (%)	100
End Wind Speed (mph)	9

Detailed Monitoring Activity

Construction Activities Monitored	Observed MPE installing vault components on Blue Larkspur Lane.
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Conducted wildlife clearance survey on all vehicles and equipment at staging area and along alignment.

Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from the hours of 0830 to 0930.

Walked alignment and staging area during construction activities and conducted daily monitoring requirements per MM 4.6-1c.

Confirmed integrity of BMP measures on stormwater drains immediately adjacent to construction activities.

Photographed and recorded monitoring activities.

General Project Site Photo(s)



Intact ESA fencing surrounding protected oak tree adjacent to staging area.



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?

- N/A
- No
- Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?

- N/A
- No
- Yes

4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes

4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

General Notes

MM 4.6-1i - NESTING BIRDS

4.6-1i. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

Nesting Bird Notes

MM 4.6-1j - BADGER

4.6-1j. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?

N/A
 No
 Yes

4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?

N/A
 No
 Yes

4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?

N/A
 No
 Yes

4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?

N/A
 No
 Yes

4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?

N/A
 No
 Yes

Badger Notes

MM 4.6-1k - WOODRAT

4.6-1k. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?

N/A
 No
 Yes

4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?

N/A
 No
 Yes

4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?

N/A
 No
 Yes

4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?

N/A
 No
 Yes

4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
Woodrat Notes		

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS		
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

Invasive Plant Notes

Sensitive Species Observation

Sensitive species observed?

No

Yes

Additional Notes



Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v3

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	102516
Survey Date	06/22/2020
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Is this a Non-Work day?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Reason for Non-Work:	<input type="checkbox"/> Weather Delay <input type="checkbox"/> Construction Equipment <input type="checkbox"/> Other
Project Location Monitored	<input type="checkbox"/> Lower Ragsdale Drive <input type="checkbox"/> Ragsdale Drive <input checked="" type="checkbox"/> Staging Area <input type="checkbox"/> Wilson Road
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	08:00 AM
Time Out	10:00 AM

Weather

Start Temperature (F)	51
Start Cloud Cover (%)	25
Start Wind Speed (mph)	13
End Temperature (F)	54
End Cloud Cover (%)	15
End Wind Speed (mph)	14

Detailed Monitoring Activity

Construction Activities Monitored

Observed no construction activities during site visit.

Log of Monitoring Activities

Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from the hours of 0815 to 0930.

Photographed and recorded monitoring activities.

General Project Site Photo(s)



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact ESA surrounding protected oak tree adjacent to staging area.



Intact silt fencing surrounding staging area.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

- 4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?
- N/A
 No
 Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

- 4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?
- N/A
 No
 Yes

- 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?
- N/A
 No
 Yes

- 4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?
- N/A
 No
 Yes

- 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?
- N/A
 No
 Yes

- 4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?
- N/A
 No
 Yes

- 4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?
- N/A
 No
 Yes

- 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?
- N/A
 No
 Yes

- 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?
- N/A
 No
 Yes

- 4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?
- N/A
 No
 Yes

4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	<input type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input checked="" type="checkbox"/> Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
	<input type="checkbox"/> Yes
General Notes	

MM 4.6-1i - NESTING BIRDS

4.6-1i. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
Nesting Bird Notes		

MM 4.6-1j - BADGER

4.6-1j. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
Badger Notes		

MM 4.6-1k - WOODRAT

4.6-1k. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat	<input type="checkbox"/>	N/A
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and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

Woodrat Notes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS		
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?

- N/A
- No
- Yes

4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?

- N/A
- No
- Yes

4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?

- N/A
- No
- Yes

4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?

- N/A
- No
- Yes

Invasive Plant Notes

Sensitive Species Observation

Sensitive species observed?

- No
- Yes

Additional Notes



Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v3

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	102519
Survey Date	06/23/2020
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Is this a Non-Work day?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Reason for Non-Work:	<input type="checkbox"/> Weather Delay <input type="checkbox"/> Construction Equipment <input type="checkbox"/> Other
Project Location Monitored	<input type="checkbox"/> Lower Ragsdale Drive <input type="checkbox"/> Ragsdale Drive <input checked="" type="checkbox"/> Staging Area <input type="checkbox"/> Wilson Road
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	09:00 AM
Time Out	11:15 AM

Weather

Start Temperature (F)	58
Start Cloud Cover (%)	0
Start Wind Speed (mph)	5
End Temperature (F)	63
End Cloud Cover (%)	0
End Wind Speed (mph)	9

Detailed Monitoring Activity

Construction Activities Monitored

Observed staging yard activities including loading up materials and equipment.

Log of Monitoring Activities

Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from the hours of 0915 to 1030.

Photographed and recorded monitoring activities.

General Project Site Photo(s)



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact ESA fencing surrounding protected oak tree adjacent to staging area.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

- 4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?
- N/A
 No
 Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

- 4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?
- N/A
 No
 Yes

- 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?
- N/A
 No
 Yes

- 4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?
- N/A
 No
 Yes

- 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?
- N/A
 No
 Yes

- 4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?
- N/A
 No
 Yes

- 4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?
- N/A
 No
 Yes

- 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?
- N/A
 No
 Yes

- 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?
- N/A
 No
 Yes

- 4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?
- N/A
 No
 Yes

4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
General Notes		

MM 4.6-1i - NESTING BIRDS

4.6-1i. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
Nesting Bird Notes		

MM 4.6-1j - BADGER

4.6-1j. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
Badger Notes		

MM 4.6-1k - WOODRAT

4.6-1k. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat	<input type="checkbox"/>	N/A
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and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

Woodrat Notes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS		
4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?

- N/A
- No
- Yes

4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?

- N/A
- No
- Yes

4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?

- N/A
- No
- Yes

4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?

- N/A
- No
- Yes

Invasive Plant Notes

Sensitive Species Observation

Sensitive species observed?

- No
- Yes

Additional Notes



Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v3

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	102520
Survey Date	06/24/2020
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Is this a Non-Work day?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Reason for Non-Work:	<input type="checkbox"/> Weather Delay <input type="checkbox"/> Construction Equipment <input type="checkbox"/> Other
Project Location Monitored	<input type="checkbox"/> Lower Ragsdale Drive <input type="checkbox"/> Ragsdale Drive <input checked="" type="checkbox"/> Staging Area <input type="checkbox"/> Wilson Road
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	10:00 AM
Time Out	12:15 PM

Weather

Start Temperature (F)	62
Start Cloud Cover (%)	5
Start Wind Speed (mph)	9
End Temperature (F)	67
End Cloud Cover (%)	0
End Wind Speed (mph)	12

Detailed Monitoring Activity

Construction Activities Monitored

Observed staging yard activities including removal of chain link fencing surrounding staging area.

Log of Monitoring Activities

Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from the hours of 1030 to 1115.

Photographed and recorded monitoring activities.

General Project Site Photo(s)



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact ESA fencing surrounding protected oak tree adjacent to staging area.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?

- N/A
- No
- Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?

- N/A
- No
- Yes

4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes

4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

General Notes

MM 4.6-1i - NESTING BIRDS

4.6-1i. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

Nesting Bird Notes

MM 4.6-1j - BADGER

4.6-1j. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?

N/A
 No
 Yes

4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?

N/A
 No
 Yes

4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?

N/A
 No
 Yes

4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?

N/A
 No
 Yes

4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?

N/A
 No
 Yes

Badger Notes

MM 4.6-1k - WOODRAT

4.6-1k. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?

N/A
 No
 Yes

4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?

N/A
 No
 Yes

4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?

N/A
 No
 Yes

4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?

N/A
 No
 Yes

4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes

Woodrat Notes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input checked="" type="checkbox"/>	Yes
4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	No
	<input type="checkbox"/>	Yes
4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	No

Yes

Invasive Plant Notes

Sensitive Species Observation

Sensitive species observed?

No

Yes

Additional Notes



Ryan Ranch-Bishop Interconnection Improvements Checklist

Ryan Ranch Bio Compliance Checklist - Phase 1 v3

Project	Ryan Ranch-Bishop Interconnection Improvements
ID	102521
Survey Date	06/25/2020
User	Max Hofmarcher

General Information

Project Name	Cal Am Monterey Peninsula Water Supply Project
Project Number:	60489016
Is this a Non-Work day?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Reason for Non-Work:	<input type="checkbox"/> Weather Delay <input type="checkbox"/> Construction Equipment <input type="checkbox"/> Other
Project Location Monitored	<input type="checkbox"/> Lower Ragsdale Drive <input type="checkbox"/> Ragsdale Drive <input checked="" type="checkbox"/> Staging Area <input type="checkbox"/> Wilson Road
Company Name	<input type="checkbox"/> AECOM <input checked="" type="checkbox"/> DDA
Monitor Name	Max Hofmarcher
Time In	11:00 AM
Time Out	12:00 PM

Weather

Start Temperature (F)	62
Start Cloud Cover (%)	5
Start Wind Speed (mph)	9
End Temperature (F)	67
End Cloud Cover (%)	0
End Wind Speed (mph)	12

Detailed Monitoring Activity

Construction Activities Monitored

Observed no construction activities during site visit.

Log of Monitoring Activities

Conducted surveys for nesting birds, MDFW nests, and American badger dens along pipeline alignment from Ragsdale Drive Station 10+00 to Station 22+66 (end of alignment at Blue Larkspur Lane and Citation Court) and in/around staging area from the hours of 1115 to 1200.

Photographed and recorded monitoring activities.

General Project Site Photo(s)



Confirmed removal of chain link fencing surrounding staging area. Confirmed removal of chain link fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact silt fencing surrounding staging area.



Intact ESA fencing surrounding protected oak tree adjacent to staging area.



Confirmed no work onsite.

MM 4.6-1b - WEAT

4.6-1B. CONSTRUCTION WORKER ENVIRONMENTAL AWARENESS TRAINING AND EDUCATION

- 4.6-1b. 1. All workers attend WEAT training and have sticker on hardhat?
- N/A
 No
 Yes

WEAT Notes

MM 4.6-1c - GENERAL

4.6-1C. GENERAL AVOIDANCE AND MINIMIZATION MEASURES

- 4.6-1c. 1. Construction footprint, staging areas, equipment access routes, and disposal or temporary placement of spoils, delineated with stakes and flagging prior to construction to avoid natural resources outside of the project area?
- N/A
 No
 Yes
- 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?
- N/A
 No
 Yes
- 4.6-1c. 3. Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?
- N/A
 No
 Yes
- 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?
- N/A
 No
 Yes
- 4.6-1c. 5. Standard best management practices employed to prevent loss of habitat due to erosion caused by project related impacts?
- N/A
 No
 Yes
- 4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats?
- N/A

No
 Yes

4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention?

N/A
 No
 Yes

4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective?

N/A
 No
 Yes

4.6-1c. 9. Prior to construction at any site where special-status amphibians, reptiles and mammals have a moderate or high potential to occur, the construction work area boundary was fenced with a temporary exclusion fence to prevent special-status wildlife from entering the site during construction?

N/A
 No
 Yes

4.6-1c. 10. If special-status wildlife species were found on the site immediately prior to construction or during project construction, construction activities ceased in the vicinity of the animal until the animal moved on its own outside of the project area?

N/A
 No
 Yes

4.6-1c. 11. Immediately prior to conducting vegetation removal or grading activities inside fenced exclusion areas, qualified biologist(s) surveyed within the exclusion area to ensure that no special-status species were present?

N/A
 No
 Yes

4.6-1c. 12. All excavated, steep-walled holes or trenches more than 2 feet deep were inspected for trapped animals and covered with plywood or similar materials at the close of each work day, or escape ramps constructed of earth fill or wooden planks positioned within the excavations to allow special-status wildlife to escape on their own?

N/A
 No
 Yes

4.6-1c. 13. All construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods and with a diameter of 4 inches or more were inspected for special-status wildlife before the pipe was subsequently buried, capped, or otherwise used or moved in any way?

N/A
 No
 Yes

4.6-1c. 14. All vertical tubes used in project construction, such as chain link fencing poles or signage mounts, were temporarily or permanently capped at the time they are installed to avoid the entrapment and death of special status birds?

N/A
 No
 Yes

4.6-1c. 15. Water used for dust abatement was minimized in an effort to avoid the formation of puddles that could attract common ravens and other predators to the construction work areas?

N/A
 No
 Yes

4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving?

N/A
 No
 Yes

4.6-1c. 17. All vehicles and equipment were in proper working condition to ensure that there was no potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials?

N/A
 No
 Yes

4.6-1c. 18. Trash and food items were contained in closed containers and removed from the construction site daily to reduce the attractiveness to opportunistic predators such as common ravens, coyotes, and feral dogs?

- N/A
- No
- Yes

4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas?

- N/A
- No
- Yes

4.6-1c. 20. Workers did not intentionally kill or collect wildlife species, including special-status species in the project area and surrounding areas?

- N/A
- No
- Yes

General Notes

MM 4.6-1i - NESTING BIRDS

4.6-1i. AVOIDANCE AND MINIMIZATION MEASURES FOR NESTING BIRDS

4.6-1i. 2. Surveys covered all potential nesting sites within 500 feet of the project area for raptors and within 300 feet for other birds?

- N/A
- No
- Yes

4.6-1i. 3. If a break of 10 days or more in construction activities during the breeding season, a new nesting bird survey was conducted before re-initiating construction?

- N/A
- No
- Yes

4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided?

- N/A
- No
- Yes

4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted?

- N/A
- No
- Yes

Nesting Bird Notes

MM 4.6-1j - BADGER

4.6-1j. AVOIDANCE AND MINIMIZATION MEASURES FOR AMERICAN BADGER.

4.6-1j. 1. Qualified biologist conducted preconstruction surveys for American badger dens in suitable habitat prior to the start of construction at potentially affected sites within 100 feet of the project area boundary?

- N/A
- No
- Yes

4.6-1j. 2. Along pipeline alignments, surveys were phased to occur within 14 days prior to disturbance along that portion of the alignment?

- N/A
- No
- Yes

4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided?

- N/A
- No

Yes

4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed?

N/A

No

Yes

Badger Notes

MM 4.6-1k - WOODRAT

4.6-1K. AVOIDANCE AND MINIMIZATION MEASURES FOR MONTEREY DUSKY-FOOTED WOODRAT

4.6-1k. 1. Qualified biologist conducted preconstruction surveys for Monterey dusky-footed woodrat within 14 days prior to the start of construction in suitable habitat and identify any woodrat nests located within 50 feet of anticipated construction disturbance areas?

N/A

No

Yes

4.6-1k. 2. If woodrat nests were found during the preconstruction surveys, the biologist conducted additional surveys throughout the duration of construction activities at the potentially affected facility site to identify any newly constructed woodrat nests?

N/A

No

Yes

4.6-1k. 3. If nests were observed outside of the construction area, the qualified biologist demarcated a minimum 50-foot buffer area with orange construction fencing and required all construction activities and disturbance remain outside of the fencing?

N/A

No

Yes

4.6-1k. 4. Active woodrat nests located within the anticipated construction disturbance areas were relocated outside of the peak breeding season, (peak breeding season is typically February through November) to minimize disturbance to young woodrats?

N/A

No

Yes

4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided?

N/A

No

Yes

4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted?

N/A

No

Yes

4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed?

N/A

No

Yes

Woodrat Notes

MM 4.6-1p - INVASIVE PLANTS

4.6-1P.CONTROL MEASURES FOR SPREAD OF INVASIVE PLANTS

4.6-1p. 1. Driving or operating equipment was avoided in weed-infested areas outside of fenced work areas and travel was restricted to established roads?

- N/A
- No
- Yes

4.6-1p. 2. Leaving exposed soil or construction materials in areas with the potential for invasive plants (e.g., in staging areas) was avoided?

- N/A
- No
- Yes

4.6-1p. 3. Tools, equipment, and vehicles were clean before transporting materials and before entering and leaving worksites (e.g., wheel washing stations at Project site access points)?

- N/A
- No
- Yes

4.6-1p. 4. Vehicles and equipment were inspected for weed seeds and/or propagules stuck in tire treads or mud on the vehicle to minimize the risk of carrying them to unaffected areas?

- N/A
- No
- Yes

4.6-1p. 5. Vehicles and equipment inspected prior to project initiation at applicable work areas for weed seeds and plant fragments that could colonize within the site or be transported to other sites?

- N/A
- No
- Yes

4.6-1p. 6. At project initiation, all construction vehicles were cleaned to remove soil and plant fragments at designated locations, and vehicles or equipment that were not clean were rejected until clear of weed seed and plant fragments?

- N/A
- No
- Yes

4.6-1p. 7. All equipment and tools involved in soil disturbance at applicable work areas were disinfected using a 10% bleach or 70% isopropyl alcohol solution prior to initial use or prior to returning to applicable work areas if used on another project site?

- N/A
- No
- Yes

4.6-1p. 8. Only certified, weed-free, plastic-free imported erosion control materials (or rice straw in upland areas) were used for the project?

- N/A
- No
- Yes

Invasive Plant Notes

Sensitive Species Observation

Sensitive species observed?

- No
- Yes

Additional Notes