ESA 50 YEARS 1969-2019

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# memorandum

| | |
|---|---|
| date | April 13, 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 (04/06/2020 – 04/10/2020) |

## *Construction Activities*

Construction activities occurred on Lower Ragsdale Drive and Blue Larkspur Lane during the week of 4/6/2020 – 4/10/2020. Construction activities were conducted by Monterey Peninsula Engineering (MPE) and consisted of installation of blow off valves on Blue Larkspur Lane and Lower Ragsdale Drive and the installation of a vault on Blue Larkspur Lane. Additional information about construction activities is included in the weekly CalAm report included in **Appendix A.**

## *Compliance Activities*

ESA did not conduct a site inspection during the week of 4/6/2020 – 4/10/2020. Denise Duffy & Associates (CalAm monitors) were on site for compliance monitoring.

All work is restricted to existing roadways. All storm drains were protected with sand bags and mesh. MPE conducted regular street sweeping.

Excavated spoils are being off hauled. New fill is being delivered throughout the day. All trucks were observed covering their loads.

Special status species plants (i.e., *Horkelia cuneata ssp.*) have been flagged along the entire construction area. In accordance with Mitigation Measures 4.6-1i, 4.6-1j, and 4.6-1k, CalAm monitors surveyed sections of the alignment ahead of construction daily for nesting birds, Monterey dusky-footed woodrat, and American badger. No sign of American badger, or additional woodrat nests were reported for the period between 4/6/2020 and 4/10/2020. CalAm monitors continued to monitor one crow nest on Lower Ragsdale Drive (near Station 37+00), one crow nest at Wilson Pond (near Station 18+00), one bushtit nest along Wilson Road (near Station 13+00), and one bushtit nest along Lower Ragsdale Drive (near Station 30+00) for any behavioral changes resulting from project activities. CalAm monitors also monitored a tree swallow nest located in a building along Wilson Road (near Station 14+00); no construction activity was reported to have occurred within the nest buffer area.

## *Compliance Issues and Resolutions*

No compliance issues were reported during the week of 4/6/2020 – 4/10/2020.

# APPENDIX A

## CalAm Weekly Report

**DENISE DUFFY & ASSOCIATES, INC.**
PLANNING AND ENVIRONMENTAL CONSULTING

DATE: April 10, 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 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 **April 3- April 9, 2020.**

| | |
|---|---|
| Project/Component:<br>**Ryan Ranch – Bishop Interconnection Project** | Work Location:<br>**Ragsdale Drive. Lower Ragsdale Drive, Wilson Road, York Road, and Staging Area** |
| Monitoring Period:<br>**4/3/2020 – 4/9/2020** | Project Completion Status:<br>**5,887 Linear Feet of Pipeline Installation (Pipeline Alignment Complete)** |
| Construction Contractors/Personnel:<br>**Monterey Peninsula Engineering** | Biological Lead:<br>**M. Johnson** |
| Biological Monitors:<br>**P. Krabacher, M. Hofmarcher** | Days on Site:<br>**4/3, 4/6, 4/7, 4/8** |

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

- 4/3/2020
  - Installation of blow-off valve at Sta 20+00 on Blue Larkspur Lane.
- 4/6/2020
  - No construction on site due to rain.
- 4/7/2020
  - Installation of vault at Sta 20+00 on Blue Larkspur Lane.
  - Installation of blow-off valve at Sta 24+70 on Lower Ragsdale Drive.
- 4/8/2020
  - Installation of blow-off valve at 20+53 on Lower Ragsdale Drive.
- 4/9/2020
  - No construction on site, waiting on deliveries.

**Summary of Monitoring Activities**

- 4/3/2020
  - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
  - Walked alignment and staging area during construction activities 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 Land and Citation Court) and in/around staging area throughout day.
  - Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
  - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
  - Photographed and recorded monitoring activities.
- 4/6/2020
  - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on 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 Land and Citation Court) and in/around staging area throughout day.
  - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment.
  - Photographed and recorded monitoring activities.
- 4/7/2020
  - Walked alignment and staging area during construction activities 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 Land and Citation Court) and in/around staging area throughout day.

        - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
        - Confirmed integrity of BMP measures on stormwater drains immediately adjacent and ahead of construction.
        - Photographed and recorded monitoring activities.
- 4/8/2020
    - Conducted wildlife clearance survey on all vehicles and equipment at staging area and on alignment.
    - Walked alignment and staging area during construction activities 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 Land and Citation Court) and in/around staging area throughout day.
    - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
    - 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 v2.1

| | |
|---|---|
| Project | Ryan Ranch-Bishop Interconnection Improvements |
| ID | 84698 |
| Survey Date | 04/03/2020 |
| User | Patric Krabacher |

### General Information

| | |
|---|---|
| Project Name | Cal Am Monterey Peninsula Water Supply Project |
| Project Number: | 60489016 |
| Project Location Monitored | Wilson Road |
| Company Name | ☐ AECOM<br>☒ DDA |
| Monitor Name | Patric Krabacher |
| Time In | 06:45 AM |
| Time Out | 04:15 PM |

### Weather

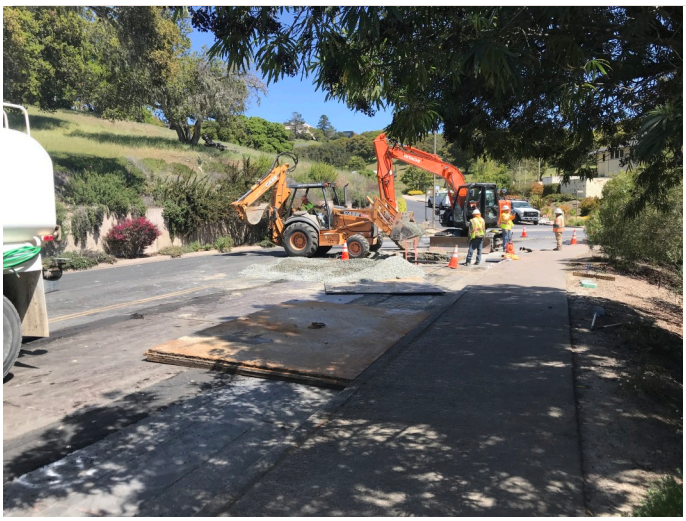
| | |
|---|---|
| Start Temperature (F) | 58 |
| Start Cloud Cover (%) | 0 |
| Start Wind Speed (mph) | 5 |
| End Temperature (F) | 61 |
| End Cloud Cover (%) | 0 |
| End Wind Speed (mph) | 18 |

### Detailed Monitoring Activity

| | |
|---|---|
| Construction Activities Monitored | Monitored the installation of a blowoff along Blue Larkspur Ln and Ragsdale |
| Log of Monitoring Activities | Conducted clearance survey of all equipment and staging area<br>Surveyed for all nesting wildlife along entire pipeline alignment<br>Surveyed all proposed Air Valve locations for special status plants and animals. Air Valve |

location 1 has small mammal burrows, all other locations do not show signs of special status plants or animals.

General Project Site Photo(s)



installation of blow off along Blue Larkspur Ln

## 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
- [X] 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
- [X] Yes

4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network?

- [ ] N/A
- [ ] No
- [X] Yes

4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit?

- [ ] N/A
- [ ] No
- [X] Yes

4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits?

- [ ] N/A
- [ ] No
- [X] 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 |
| | [X] | 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 |
| | [X] | Yes |
| 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? | [ ] | N/A |
| | [ ] | No |
| | [X] | Yes |
| 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? | [ ] | N/A |
| | [ ] | No |
| | [X] | 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 |
| | [X] | 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? | [X] | 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? | [X] | 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 |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | Yes |
| 4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving? | [ ] | N/A |
| | [ ] | No |
| | [X] | 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted? | [ ] N/A<br>[ ] No<br>[X] Yes |
| Nesting Bird Notes | Monitored two active nesting bushtit nests, two American crow nests, and one tree swallow nest |

## 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<br>[ ] No |

| | |
|---|---|
| | [X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed? | [ ] N/A |

| | |
|---|---|
| | No |
| X | 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 |
| | X | 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 |
| | X | 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 |
| | X | 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 |
| | X | 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 |
| | X | 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 |
| | X | 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 |
| | X | 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 |
| | X | Yes |

Invasive Plant Notes

## Sensitive Species Observation

| | |
|---|---|
| | Sensitive species observed? |
| X | 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 | 85600 |
| Survey Date | 04/06/2020 |
| User | Max Hofmarcher |

### General Information

| | |
|---|---|
| Project Name | Cal Am Monterey Peninsula Water Supply Project |
| Project Number: | 60489016 |
| Project Location Monitored | [X] Lower Ragsdale Drive<br>[X] Ragsdale Drive<br>[X] Staging Area<br>[X] Wilson Road |
| Company Name | [ ] AECOM<br>[X] DDA |
| Monitor Name | Patric Krabacher |
| Time In | 06:45 AM |
| Time Out | 09:00 AM |

### Weather

| | |
|---|---|
| Start Temperature (F) | 50 |
| Start Cloud Cover (%) | 100 |
| Start Wind Speed (mph) | 7 |
| End Temperature (F) | 55 |
| End Cloud Cover (%) | 100 |
| End Wind Speed (mph) | 12 |

### Detailed Monitoring Activity

| | |
|---|---|
| Construction Activities Monitored | No construction on site |
| Log of Monitoring Activities | walked alignment and conducted nesting bird nest, American badger den, and MDFW nest surveys from Ragsdale sta 10+00 to end of |

| | |
|---|---|
| | alignment. |
| General Project Site Photo(s) | None |

## 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits? | ☐ N/A<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? | ☒ N/A<br>☐ No<br>☐ 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<br>[ ] No<br>[X] 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? | [X] N/A<br>[ ] No<br>[ ] 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? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| Invasive Plant Notes | |

## Sensitive Species Observation

| | |
|---|---|
| Sensitive species observed? | ☒ No<br>☐ Yes |

## Additional Notes

# Ryan Ranch-Bishop Interconnection Improvements Checklist

## Ryan Ranch Bio Compliance Checklist - Phase 1 v2.1

| | |
|---|---|
| Project | Ryan Ranch-Bishop Interconnection Improvements |
| ID | 85580 |
| Survey Date | 04/07/2020 |
| User | Matt Johnson |

### General Information

| | |
|---|---|
| Project Name | Cal Am Monterey Peninsula Water Supply Project |
| Project Number: | 60489016 |
| Project Location Monitored | |
| Company Name | ☐ AECOM<br>☒ DDA |
| Monitor Name | M. Johnson |
| Time In | 08:45 AM |
| Time Out | 11:00 AM |

### Weather

| | |
|---|---|
| Start Temperature (F) | 52 |
| Start Cloud Cover (%) | 0 |
| Start Wind Speed (mph) | 1.8 |
| End Temperature (F) | 65 |
| End Cloud Cover (%) | 10 |
| End Wind Speed (mph) | .6 |

### Detailed Monitoring Activity

| | |
|---|---|
| Construction Activities Monitored | Pipeline installation activities on Blue Larkspur Lane near York Road |
| Log of Monitoring Activities | clearance survey |
| General Project Site Photo(s) | None |

### 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits? | ☐ N/A<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? | ☒ N/A<br>☐ No<br>☐ 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<br>☐ No<br>☒ 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<br>☐ 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<br>☐ No<br>☐ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving? | ☐ N/A<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas? | ☐ N/A<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No |

| | |
|---|---|
| | [X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| Invasive Plant Notes | |

## Sensitive Species Observation

| | |
|---|---|
| Sensitive species observed? | [X] No<br>[ ] Yes |

## Additional Notes

# Ryan Ranch-Bishop Interconnection Improvements Checklist

## Ryan Ranch Bio Compliance Checklist - Phase 1 v2.1

| | |
|---|---|
| Project | Ryan Ranch-Bishop Interconnection Improvements |
| ID | 85149 |
| Survey Date | 04/07/2020 |
| User | Max Hofmarcher |

### General Information

| | |
|---|---|
| Project Name | Cal Am Monterey Peninsula Water Supply Project |
| Project Number: | 60489016 |
| Project Location Monitored | Staging Area |
| Company Name | ☐ AECOM<br>☒ DDA |
| Monitor Name | Max Hofmarcher |
| Time In | 11:00 AM |
| Time Out | 05:15 PM |

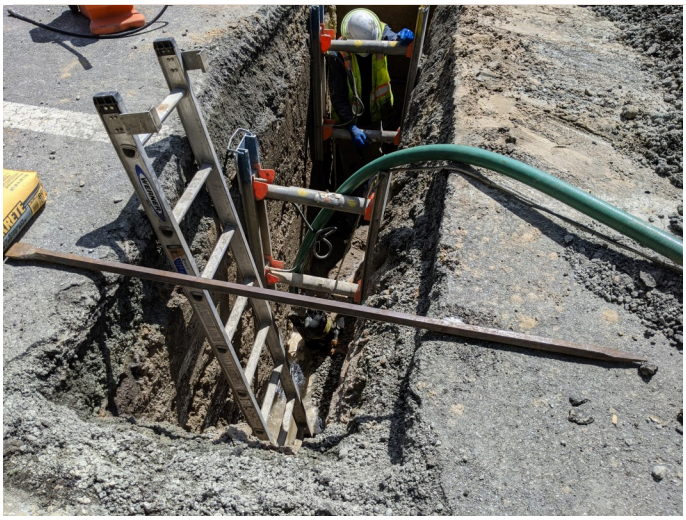
### Weather

| | |
|---|---|
| Start Temperature (F) | 65 |
| Start Cloud Cover (%) | 10 |
| Start Wind Speed (mph) | .6 |
| End Temperature (F) | 58 |
| End Cloud Cover (%) | 10 |
| End Wind Speed (mph) | 12 |

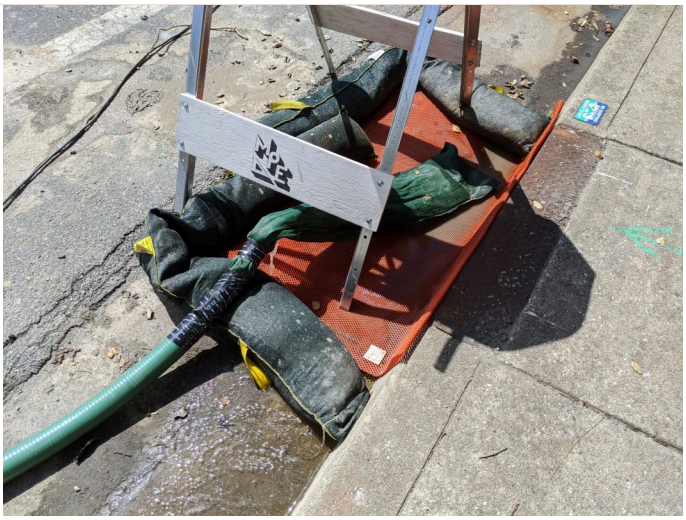
### Detailed Monitoring Activity

| | |
|---|---|
| Construction Activities Monitored | installation of vault at end of alignment<br>installation of blowoff valve on lower Ragsdale |
| Log of Monitoring Activities | observed swallows entering/ exiting building nest (6+ individuals)<br>observed bushtits in trees across from identified nest on Wilson rd |

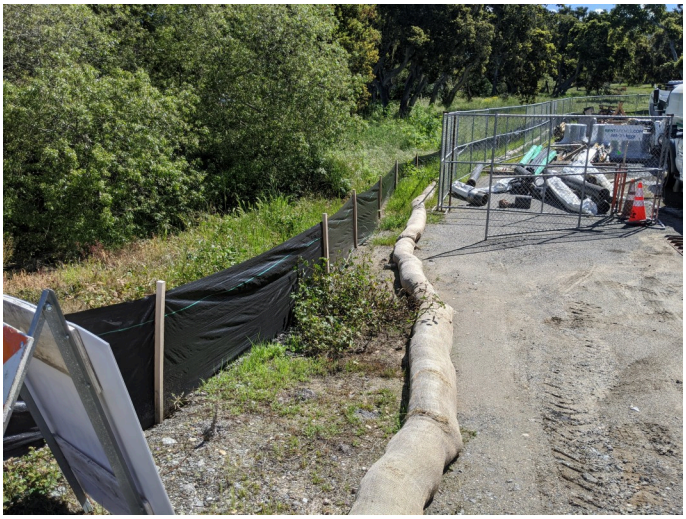
General Project Site Photo(s)



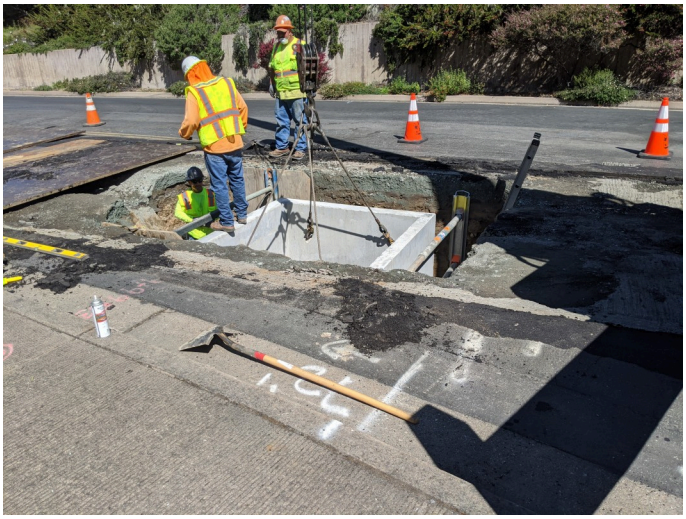
pumping of infiltrated groundwater out of alignment for blow-off valve installation



outlet of groundwater sump pump into stormwater drain with silt filter



intact silt fencing surrounding staging area



installation of vault along blue larkspur lane (end of alignment)

## 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
- [X] 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
- [X] Yes

| | | |
|---|---|---|
| 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network? | [ ] | N/A |
| | [ ] | No |
| | [X] | Yes |
| 4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit? | [ ] | N/A |
| | [ ] | No |
| | [X] | Yes |
| 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits? | [ ] | N/A |
| | [ ] | No |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | Yes |
| 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? | [ ] | N/A |
| | [ ] | No |
| | [X] | Yes |
| 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? | [X] | 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 |
| | [X] | 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? | [X] | 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? | [X] | 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 |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | Yes |
| 4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving? | [ ] | N/A |
| | [ ] | No |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | Yes |
| 4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas? | [ ] | N/A |
| | [ ] | No |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | 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 |
| | [X] | Yes |
| 4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] | N/A |
| | [ ] | No |
| | [X] | Yes |
| 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted? | [ ] | N/A |
| | [ ] | No |

| | |
|---|---|
| | [X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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? | [X] N/A<br>[ ] No<br>[ ] Yes |

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

[X] Yes

Invasive Plant Notes

## Sensitive Species Observation

Sensitive species observed?

[X] No

[ ] Yes

Additional Notes

# Ryan Ranch-Bishop Interconnection Improvements Checklist

## Ryan Ranch Bio Compliance Checklist - Phase 1 v2.1

| | |
|---|---|
| Project | Ryan Ranch-Bishop Interconnection Improvements |
| ID | 85246 |
| Survey Date | 04/08/2020 |
| User | Patric Krabacher |

### General Information

| | |
|---|---|
| Project Name | Cal Am Monterey Peninsula Water Supply Project |
| Project Number: | 60489016 |
| Project Location Monitored | Lower Ragsdale Drive |
| Company Name | ☐ AECOM<br>☒ DDA |
| Monitor Name | Patric Krabacher |
| Time In | 07:00 AM |
| Time Out | 04:59 PM |

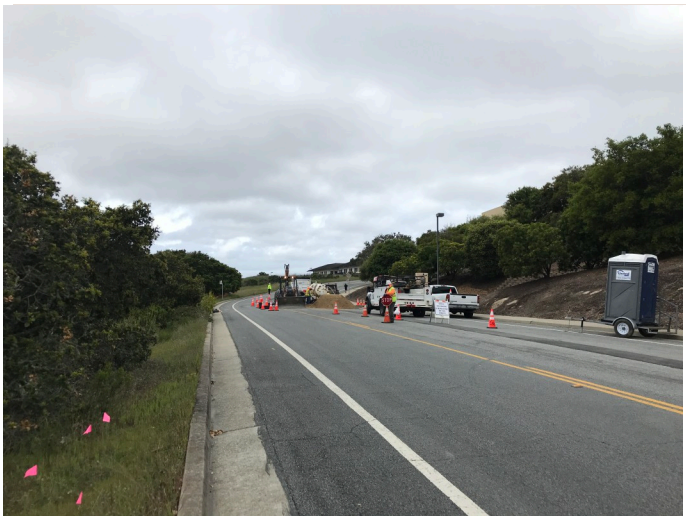
### Weather

| | |
|---|---|
| Start Temperature (F) | 51 |
| Start Cloud Cover (%) | 85 |
| Start Wind Speed (mph) | 10 |
| End Temperature (F) | 55 |
| End Cloud Cover (%) | 100 |
| End Wind Speed (mph) | 18 |

### Detailed Monitoring Activity

| | |
|---|---|
| Construction Activities Monitored | Monitored the installation of a blowoff along Lower Ragsdale Rd |
| Log of Monitoring Activities | Conducted clearance surveys of all equipment at staging area location on York Rd and Highway 68<br><br>Conducted nesting wildlife survey along entire pipeline alignment |

General Project Site Photo(s)



installation of blowoff along Lower Ragsdale Rd

## 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits? | ☐ N/A<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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? | [X] N/A<br>[ ] No<br>[ ] 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? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided? | [ ] N/A<br>[ ] No<br>[X] Yes |
| 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided? | [X] N/A<br>[ ] No |

| | |
|---|---|
| | ☐ Yes |
| 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted? | ☒ N/A<br>☐ No<br>☐ Yes |
| 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed? | ☒ N/A<br>☐ No<br>☐ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| 4.6-1k. 5. Clearance surveys were performed prior to work activities and impacts avoided? | ☒ N/A<br>☐ No<br>☐ Yes |
| 4.6-1k. 6. If woodrat was observed, was date, time, species, location, and behavior noted? | ☐ N/A<br>☐ No<br>☒ Yes |
| 4.6-1k. 7. If relocation was necessary, were the guidelines in the relocation plan followed? | ☐ N/A<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |
| Invasive Plant Notes | |

## Sensitive Species Observation

| | |
|---|---|
| Sensitive species observed? | ☒ No<br>☐ Yes |

## Additional Notes

# Ryan Ranch-Bishop Interconnection Improvements Checklist

## Ryan Ranch Bio Compliance Checklist - Phase 1 v2.1

| | |
|---|---|
| Project | Ryan Ranch-Bishop Interconnection Improvements |
| ID | 85581 |
| Survey Date | 04/09/2020 |
| User | Max Hofmarcher |

### General Information

| | |
|---|---|
| Project Name | Cal Am Monterey Peninsula Water Supply Project |
| Project Number: | 60489016 |
| Project Location Monitored | Lower Ragsdale Drive |
| Company Name | ☐ AECOM<br>☒ DDA |
| Monitor Name | Max Hofmarcher |
| Time In | 07:00 AM |
| Time Out | 11:00 AM |

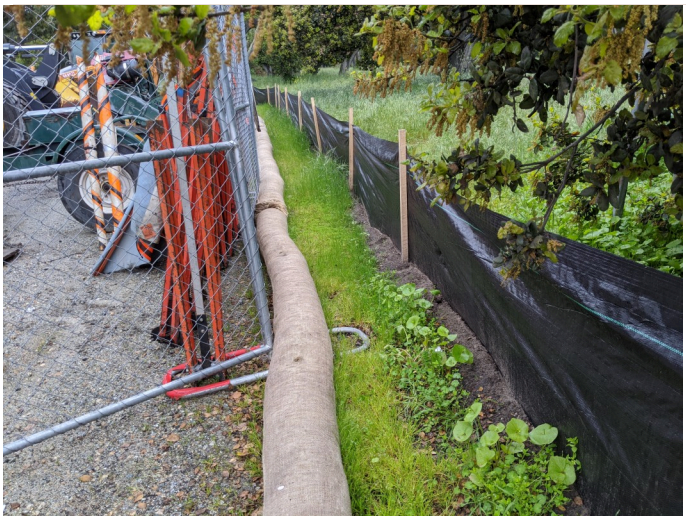
### Weather

| | |
|---|---|
| Start Temperature (F) | 58 |
| Start Cloud Cover (%) | 100 |
| Start Wind Speed (mph) | 3 |
| End Temperature (F) | 61 |
| End Cloud Cover (%) | 100 |
| End Wind Speed (mph) | 6 |

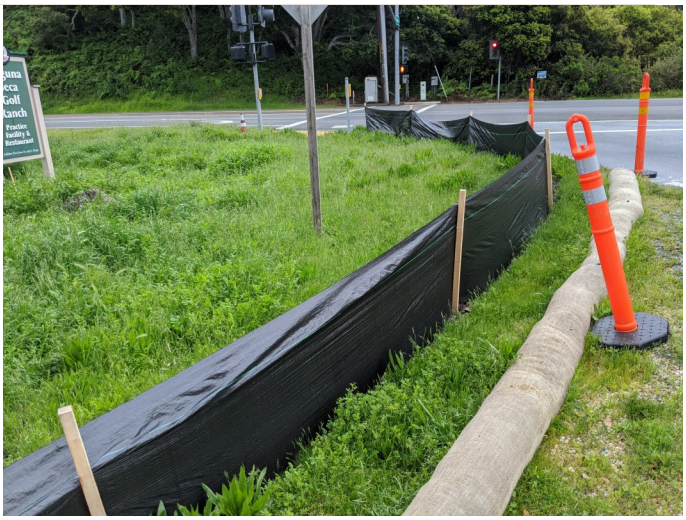
### Detailed Monitoring Activity

| | |
|---|---|
| Construction Activities Monitored | No construction on site, crew waiting on part delivery. Crew moving vehicles out of staging yard and off-site. |
| Log of Monitoring Activities | walked alignment (Ragsdale sta 10+00 to end of alignment) and surveyed for nesting birds, America badger dens, and MDFW nests. |

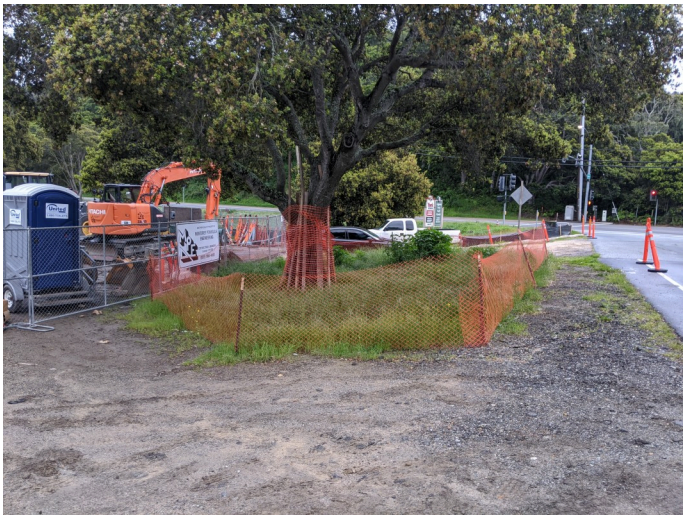
General Project Site Photo(s)



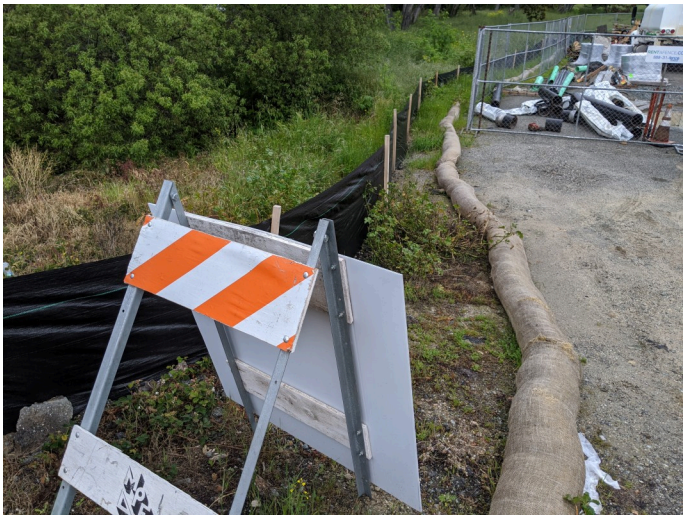
Intact silt fencing surrounding staging area



Intact silt fencing surrounding staging area



Intact ESA fencing around 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<br>☐ No<br>☒ 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<br>☐ No<br>☒ Yes |

| | | |
|---|---|---|
| 4.6-1c. 2. Construction vehicles within the delineated construction work area boundary or local road network? | [ ] | N/A |
| | [ ] | No |
| | [X] | Yes |
| 4.6-1c. 3.Vehicles and equipment in project area maintaining 15 miles per hour or less speed limit? | [X] | N/A |
| | [ ] | No |
| | [ ] | Yes |
| 4.6-1c. 4. Excavated soils stockpiled in disturbed areas lacking native vegetation and marked to define the limits? | [X] | 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 |
| | [X] | Yes |
| 4.6-1c. 6. Fueling of construction equipment within existing paved areas and at least 50 feet from drainages and native habitats? | [X] | N/A |
| | [ ] | No |
| | [ ] | Yes |
| 4.6-1c. 7. Introduction of exotic plant species avoided through physical or chemical removal and prevention? | [X] | N/A |
| | [ ] | No |
| | [ ] | Yes |
| 4.6-1c. 8. Use of herbicides as vegetation control measures used only when mechanical means have been deemed ineffective? | [X] | 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 |
| | [X] | 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? | [X] | 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? | [X] | 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 |
| | [X] | 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 |
| | [X] | 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<br>[ ] No<br>[X] 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? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1c. 16. Parked vehicles or equipment in the project area were inspected underneath for wildlife prior to moving? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1c. 19. Workers did not feed wildlife and bring pets and firearms to the construction work areas? | [ ] N/A<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1i. 4. Clearance surveys were performed prior to work activities and impacts avoided? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1i. 5. If special-status bird species were observed, was date, time, species, location, and behavior noted? | [ ] N/A<br>[ ] No |

| | |
|---|---|
| | [X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |
| 4.6-1j. 3. Clearance surveys were performed prior to work activities, badgers absent and impacts avoided? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1j. 4. If a badger was observed, was date, time, species, location, and behavior noted? | [X] N/A<br>[ ] No<br>[ ] Yes |
| 4.6-1j. 5. If relocation was necessary, were the guidelines in the relocation plan followed? | [X] N/A<br>[ ] No<br>[ ] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] 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<br>[ ] No<br>[X] Yes |

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

[X] Yes

Invasive Plant Notes

## Sensitive Species Observation

Sensitive species observed?

[X] No

[ ] Yes

Additional Notes