

memorandum

date March 23, 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 (03/16/2020 – 03/20/2020)

Construction Activities

Construction activities occurred on Lower Ragsdale Drive during the week of 3/16/2020 – 3/20/2020. Construction activities consisted of excavation and installation of 8-inch pipe on Lower Ragsdale Drive and were conducted by Monterey Peninsula Engineering (MPE). Additional information about construction activities is included in the weekly CalAm report included in **Appendix A** and CPUC inspection logs included in **Appendix B**.

Compliance Activities

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 3/16/2020 and 3/20/2020. CalAm monitors established a behavioral baseline for a known active bushtit nest, located in an oak tree growing along Wilson Road (near Station 38+49), and continued to monitor for any behavioral changes resulting from project activities.

Compliance Issues and Resolutions

No compliance issues were noted by CPUC or CalAm monitors during the week of 03/16/2020 – 03/20/2020. Following the rupture of a water conduit in the pipeline alignment, CalAm monitors confirmed that BMP measures on stormwater drains remained intact.

Photographs:



Photo 1. MPE excavation of pipeline trench on Lower Ragsdale Drive.



Photo 2. Fill material temporarily stockpiled on Lower Ragsdale Drive



Photo 3. Silt fence surrounding staging area



Photo 4. Tree protection at staging area

APPENDIX A

CalAm Weekly Report



DENISE DUFFY & ASSOCIATES, INC.

PLANNING AND ENVIRONMENTAL CONSULTING

DATE: March 20, 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

Project/Component: Ryan Ranch – Bishop Interconnection Project	Work Location: Ragsdale Drive. Lower Ragsdale Drive, Wilson Road, York Road, and Staging Area
Monitoring Period: 3/13/2020 – 3/19/2020	Project Completion Status: 4,724 Linear Feet of Pipeline Installation
Construction Contractors/Personnel: Monterey Peninsula Engineering	Biological Lead: M. Johnson
Biological Monitors: P. Krabacher, M. Hofmarcher	Days on Site: 3/13, 3/16, 3/17, 3/18, 3/19

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

No	No
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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.

- 3/13/2020
 - Pipeline installation from Station 35+51 to Station 38+39.
 - 343 linear feet of pipeline installation, 4,218 total feet of pipeline installation.
- 3/16/2020
 - No construction on site, no installation of pipeline due to rain.
 - 0 linear feet of pipeline installation, 4,218 total feet of pipeline installation.
- 3/17/2020
 - No construction on site, no installation of pipeline due to rain.
 - 0 linear feet of pipeline installation, 4,218 total feet of pipeline installation.
- 3/18/2020
 - Pipeline installation from Station 38+39 to Station 41.82.
 - 284 linear feet of pipeline installation, 4,502 total feet of pipeline installation.
- 3/19/2020
 - Pipeline installation from Station 41.82 to Station 44.03.
 - 222 linear feet of pipeline installation, 4,724 total feet of pipeline installation.

Summary of Monitoring Activities

- 3/13/2020
 - 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 from 0700 to 1030.
 - Confirmed continued usage of hazardous spill protective measures under vehicles and equipment at end of day.
 - Photographed and recorded monitoring activities.
- 3/16/2020
 - Confirmed no active construction due to rain event.
 - Confirmed BMP measures on stormwater drains installed.
 - Confirmed that BMP measures on stormwater drains were cleared of silt and leaf litter.
 - 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 from 0700 to 0900.
 - Photographed and recorded monitoring activities.
- 3/17/2020
 - Confirmed no active construction due to rain event.
 - Confirmed BMP measures on stormwater drains remain in place.
 - Confirmed that BMP measures on stormwater drains were cleared of silt and leaf litter.

- 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 from 0700 to 1100.
 - Photographed and recorded monitoring activities.
- 3/18/2020
 - 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 nest monitoring of active bushtit (*Psaltriparus minimus*) nest at Station 38+49, northeast of Wilson Road from 0645 – 1615 per MM 4.6-1i.
 - Established behavioral baseline.
 - Observed activities included gathering of nesting materials, entering and exiting nest, and calling from nearby coast live oak trees (*Quercus agrifolia*).
 - Biological monitors will continue to monitor nest for any behavioral changes as a result of the project.
 - Photographed and recorded monitoring activities.
- 3/19/2020
 - 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 from 0800 to 1345.
 - Continued to conduct nest monitoring of active bushtit nest at Station 38+49, northeast of Wilson Road from 0900 – 1000 per MM 4.6-1i.
 - Confirmed that BMP measures on stormwater drains remained intact following rupture of water conduit in pipeline alignment.
 - 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
- Site Photos

Daily Monitoring Logs

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/13/2020 Time On-Site: 7:00

Location: Ryan Ranch - Lower Raysdale

Monitoring Personnel: M. Hofmarcher

On-Site Construction Personnel: NRE

	Daily Monitoring Requirements	Notes
✓	Daily Monitoring Requirements	
✓	Prior to movements on-site, inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
✓	Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition.	
✓	Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads within the sites.	
✓	Verify that all stockpiled materials are within the paved roadways and staging area in the construction footprint boundary.	
✓	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented to prevent loss of habitat.	
✓	Verify that fueling of construction equipment occurs off-site. If fueling must occur onsite, verify that fueling occurs at least 50 feet from drainages and native habitats.	
✓	Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used.	
✓	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site Supervisor (also a qualified biologist).	
✓	Verify that special-status plant species are flagged for avoidance, and that flagging remains in place for the duration of the project.	
✓	If special-status wildlife species are found on the site immediately prior to construction or during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological monitor) outside of the project area.	
✓	Verify that all excavated holes or trenches are covered at the end of each day, or escape ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If listed species are trapped, they will be relocated with authorization from the USFWS and/or CDFW, as may be applicable.	
✓	Verify that 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 are inspected for special-status wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a special-status animal is discovered inside a pipe, that section of pipe will not be moved without approval from the appropriate resource agency. If necessary, under the direct supervision of the qualified biologist, the pipe may be moved once to remove it from the path of construction activity until the animal has escaped.	
✓	Observe and confirm all vertical tubes used in project construction, such as chain link fencing poles or signage mounts, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.	
✓	Verify that water used for dust abatement is minimized so that common ravens and other predators are not attracted to the work area.	
✓	Verify that any hazardous spills are immediately cleaned up and the contaminated soil is properly disposed of at a licensed facility.	
✓	Verify that trash and food items are contained in closed containers and removed from the construction site daily.	
✓	Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.	

Monitoring Activities:

0700. arrived onsite & cleared equipment & vehicles at staging area & on alignment

0745-1030 ~~worked~~ conducted surveys for nesting birds, American Badgers, & ANFW nests from Ray's Dale Sta 10+00 to end of alignment

1030-1200 monitored pipeline installation

1330. crew paving roadway in prep for weekend

1400. monitored minimal usage of water for street sweeping

1645. crew completed work for day
• confirmed usage of hazardous spill protection (pads) under equipment

Corrective Actions (If Any):

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/18/20 Time On-Site: 6:30 - 4:45 Location: Wilson Rd / Lower Raggsdale / Staging Area

Monitoring Personnel: P. Krabacher

On-Site Construction Personnel: MPE, TMS, Gordon

	Daily Monitoring Requirements	Notes
✓	Prior to movements on-site , inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
✓	Verify that all installed fencing, staking, flagging, and signage is in place and is in properly maintained condition.	
✓	Verify vehicle speeds within the project do not not exceed 15 miles per hour on roads within the sites.	
✓	Verify that all stockpiled materials are within the paved roadways and staging area in the construction footprint boundary.	
✓	Verify that construction activities are confined to the existing road rights-of-way and that standard BMPs (e.g., setbacks and use of silt fences and fiber rolls) are being implemented to prevent loss of habitat.	
✓	Verify that fueling of construction equipment occurs off-site. If fueling must occur onsite, verify that fueling occurs at least 50 feet from drainages and native habitats.	
✓	Evaluate the construction area for the introduction of exotic species and, if necessary, require the contractor to clean or otherwise remove the suspected material to the satisfaction of the CalAm Site Supervisor or their designee. If straw materials are required for erosion control, verify that only weed-free straw is used.	
✓	Verify that any vegetation control measures are performed using only mechanical means under the supervision of the Lead Biologist and the CalAm Site Supervisor (also a qualified biologist).	
✓	Verify that special-status plant species are flagged for avoidance, and that flagging remains in place for the duration of the project.	
✓	If special-status wildlife species are found on the site immediately prior to construction or during project construction, stop construction activities in the vicinity of the animal until the animal moves on its own (if possible, as determined by the Lead Biologist or biological monitor) outside of the project area.	
✓	Verify that all excavated holes or trenches are covered at the end of each day, or escape ramps for wildlife provided in accordance with the Lead Biologist or CalAm Field Supervisor. Prior to the filling of such holes or trenches, thoroughly inspect them for trapped animals and, if necessary, verify that escape ramps are installed to allow escape. If listed species are trapped, they will be relocated with authorization from the USFWS and/or CDFW, as may be applicable.	
✓	Verify that 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 are inspected for special-status wildlife before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a special-status animal is discovered inside a pipe, that section of pipe will not be moved without approval from the appropriate resource agency. If necessary, under the direct supervision of the qualified biologist, the pipe may be moved once to remove it from the path of construction activity until the animal has escaped.	
✓	Observe and confirm all vertical tubes used in project construction, such as chain link fencing poles or signage mounts, are or permanently capped at the time they are installed to avoid the entrapment and death of special-status birds.	
✓	Verify that water used for dust abatement is minimized so that common ravens and other predators are not attracted to the work area.	
✓	Verify that any hazardous spills are immediately cleaned up and the contaminated soil is properly disposed of at a licensed facility.	
✓	Verify that trash and food items are contained in closed containers and removed from the construction site daily.	
✓	Verify that intentional killing or collection of wildlife species by project workers, including special-status species in the project area and surrounding areas, does not occur.	

Monitoring Activities:

- 6:30 Conducted Pipeline monitoring
Clearance survey of all equipment at staging area
- 6:35 Walked silt fence surrounding staging area
- 6:40 Conducted Clearance survey of all equipment along lower Ragsdale
- 3:30 monitored the installation of pipeline along lower Ragsdale
- 6:45 Began baseline behavior survey for bushtit nest along Wilson Rd.
nest
monitoring
- Weather: 45°-56°, overcast
- 6:50 Set up scope and began to monitor nest
- 6:50-7:40 No activity on nest
- 7:40 Adult left nest
- 8:01 Adult back in nest with nesting materials
- 8:30 Adult left nest
- 9:05 Pair of adults arrived at the nest with nesting materials
- 9:10 One Adult left nest other still inside nest
- 9:13 Other Adult left nest, nest is currently vacant
- 9:32 Both Adults back in nest with nesting materials
- 9:42 One Adult on oak tree (neighboring oak tree) calling
- 9:50 Pair of bushtits now both out of nest on neighboring Artemisia
- 10:30 followed Adults to nearby oak tree, both gathering nesting materials
- 11:00 Adult Photographed via scope with phone
- ~~corrective actions (if any)~~
- 11:15 One Adult in nest, building
- 11:27 Adult left nest, nest currently vacant
- 12:00 One Adult back at nest and brought nesting materials
- 1:00 Both bushtits back at nest building
- 1:53 Both bushtits left nest, nest is vacant
- 2:30 Both bushtits back at nest building
- 3:00 One Adult left nest
- 4:15 observed both Adults gathering nesting materials on neighboring oak tree
left site
- 4:45

MPWSP Ryan Ranch-Bishop Interconnection Daily Log Report

Date: 3/17/20 Time On-Site: 7-4 Location: lower Pagedale / Wilson Rd / Staging Area

Monitoring Personnel: P. Krobacher

On-Site Construction Personnel: MPE TMT Gordon

	Daily Monitoring Requirements	Notes
✓	Prior to movements on-site , inspect the ground beneath vehicles and equipment prior allow any wildlife identified to move on its own.	
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Monitoring Activities:

- 700 Conducted clearance survey of staging area & all equipment
- 730 Conducted clearance survey of all equipment along lower Ragsdale Rd
- 800 Surveyed for nesting wildlife along Wilson Rd
- 900 ~~Observed~~ monitored American Crow nest and Bushfit nest
- 1000 Monitored installation of pipeline along lower Ragsdale
- 1200 lunch
- 1300 Surveyed for nesting wildlife along Ragsdale Rd
- 1345 MPE hit watermain, ensured all BMPs were in place on storm drains
- 1645 left site

Corrective Actions (If Any):

Site Photos



Photo 1. Hazardous spill protection under equipment on alignment. (3-13-2020)



Photo 2. Intact silt fencing surrounding staging area. (3-13-2020)



Photo 3. Secondary view of intact silt fencing surrounding staging area. (3-13-2020)

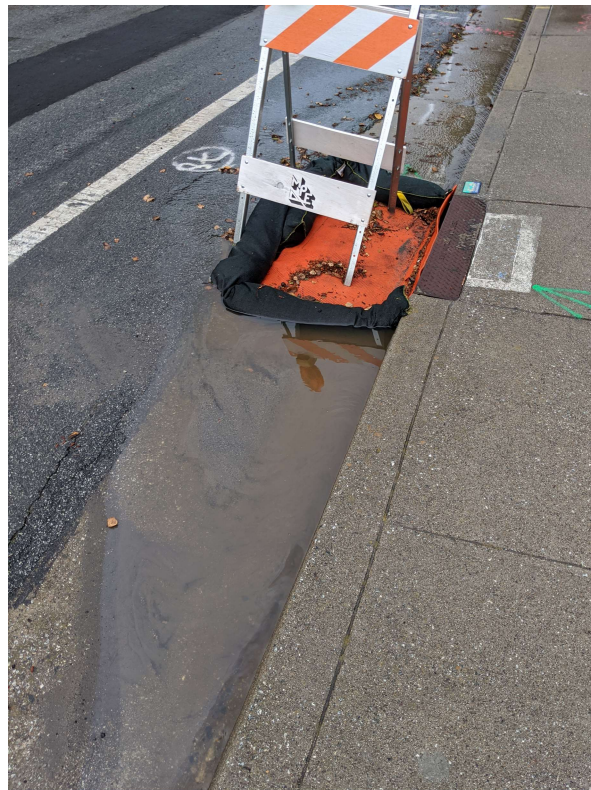


Photo 4. Intact silt fencing around staging area. (3-9-2020)



Photo 5. Scoped view of bushtit nest at Station 38+49 northeast of Wilson Road. (03-18-2020)

APPENDIX B

CPUC Inspection Logs

- One crow nest in an oak tree near Wilson Pond
- One active bushtit nest in an oak tree growing along Wilson Road

Sharon Dulava
ESA Monitor

03/20/2020
Date



Photo 1. MPE excavation of pipeline trench on Lower Ragsdale Drive



Photo 2. Fill material temporarily stockpiled on Lower Ragsdale Drive



Photo 3. Silt fence surrounding staging area



Photo 4. Tree protection at staging area