

PROJECT EVALUATION (PEF)

Project ID No. _____

PCA No. _____

PROJECT CONCEPT		
PROJECT TITLE Cascade Water Reconnection Project		PARK UNIT NAME Año Nuevo State Park
DISTRICT NAME Santa Cruz		FACILITY NO. 222-E-5-00-0-001
PROJECT MANAGER Jake Bentley	PHONE NO. 831-251-2884	EMAIL jacob.bentley@parks.ca.gov
DISTRICT PROJECT MANAGER SAME	PHONE NO. SAME	EMAIL SAME
PROJECT BID DATE	CONSTRUCTION START DATE	FUNDING SOURCE

PROJECT DESCRIPTION

Identify the scope of the project in detail, including its purpose, location, and potential impacts. If the ground is to be disturbed, describe the depth and extent of excavation. Describe the existing site conditions, including previous development. Note if work will impact or extend beyond park property. Indicate if work will be done in conjunction with, or as part of, other projects. (Use additional pages if necessary.)

Project Description attached. PEF prepared by Tim Reilly, Environmental Scientist

DOCUMENTS ATTACHED

- ☒ 7.5 minute (quad) map of project area (**Required**)
- ☒ Site Map (**Required** - Scale should show relationship to existing buildings, roads, landscape features, etc.)
- ☐ DPR 727 Accessibility Review and Comment Sheet (**Required** – Attach DPR 727 or emailed project exemption from the Accessibility Section.)
- ☒ Sea-level Rise Worksheet (for coastal park units)
- ☒ Graphics (Specify - photos, diagrams, drawings, cross-sections, etc.): Reference Images Document
- ☐ Other (Specify):

REGULATORY REQUIREMENTS

IS AN APPLICATION, PERMIT, OR CONSULTATION REQUIRED?

- Coastal Development Permit
- DFG Stream Alteration Permit
- State & Federal Endangered Species Consultation
- Corps of Engineers 404 Permit
- RWQCB or NPDES Permit
- DPR Right to Enter or Temporary Use Permit
- PRC 5024 Review
- Stormwater Management Plan
- Encroachment Permit (Specify Agency):
- Native American Consultation
- Other (Specify):

YES	MAYBE	NO	CONTACT
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

PROJECT EVALUATION (PEF)**DEPARTMENT POLICY COMPLIANCE**

HAS A GENERAL PLAN BEEN APPROVED FOR THE UNIT?

YES NO

If YES, is the project consistent with the GP?

☒ ☐

If NO, what is the project justification?

Is it a temporary facility? (No permanent resource commitment)

☐ ☐

Health and Safety?

☐ ☐

Is it a Resource Management Project?

☐ ☐

Is it repairing, replacing, or rehabilitating an existing facility?

☐ ☐

IS THE PROJECT WITHIN A CLASSIFIED SUBUNIT?

Natural Preserve

☐ ☒

Cultural Preserve

☐ ☒

State Wilderness

☐ ☒IS THE PROJECT CONSISTENT WITH THE DEPARTMENT'S CULTURAL
RESOURCE MANAGEMENT DIRECTIVES?☒ ☐IS THE PROJECT CONSISTENT WITH THE DEPARTMENT'S OPERATIONS
MANUAL CHAPTER 0300?☒ ☐

COMMENTS:

DISTRICT SUPERINTENDENT PROJECT CONCEPT APPROVAL OR DESIGNEE

TITLE

DATE

SPS II

3/3/20

RESOURCES*Explain all 'Yes' or 'Maybe' answers in the "Evaluation and Comments" section
(reference by letter and number). Attach additional pages, if necessary.*

YES MAYBE NO

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

A. EARTH – WILL THE PROJECT:

1. Create unstable soil or geologic conditions?
2. Adversely affect topographic features?
3. Adversely affect any unusual or significant geologic features?
4. Increase wind or water erosion?
5. Adversely affect sand deposition or erosion of a sand beach?
6. Expose people, property, or facilities to geologic hazards or hazardous waste?
7. Adversely affect any paleontological resource?

YES MAYBE NO

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

B. AIR – WILL THE PROJECT:

1. Adversely affect general air quality or climatic patterns?
2. Introduce airborne pollutants that may affect plant or animal vigor or viability?
3. Increase levels of dust or smoke?
4. Adversely affect visibility?

YES MAYBE NO

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

C. WATER – WILL THE PROJECT:

1. Change or adversely affect movement in marine or fresh waters?
2. Change or adversely affect drainage patterns or sediment transportation rates?
3. Adversely affect the quantity or quality of groundwater?
4. Adversely affect the quantity or quality of surface waters?
5. Expose people or property to flood waters?
6. Adversely affect existing or potential aquatic habitat(s)?

PROJECT EVALUATION (PEF)

YES	MAYBE	NO	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D. PLANT LIFE – WILL THE PROJECT:
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Adversely affect any native plant community?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Adversely affect any unique, rare, endangered, or protected plant species?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Introduce a new species of plant to the area?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Adversely affect agricultural production?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Adversely affect the vigor or structure of any tree?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6. Encourage the growth or spread of alien (non-native) species?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Interfere with established fire management plans or practices?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	E. ANIMAL LIFE – WILL THE PROJECT:
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Adversely affect any native or naturalized animal population?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Adversely affect any unusual, rare, endangered, or protected species?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Adversely affect any animal habitat?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Introduce or encourage the proliferation of any non-native species?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	F. CULTURAL RESOURCES – WILL THE PROJECT:
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Adversely affect a prehistoric or historic archeological site, or tribal cultural resource?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. Adversely affect a prehistoric or historic building, structure, or object?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Cause an adverse physical or aesthetic effect on an eligible or contributing building, structure, object, or cultural landscape?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Diminish the informational or research potential of a cultural resource?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Increase the potential for vandalism or looting?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Disturb any human remains?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Restrict access to a sacred site or inhibit the traditional religious practice of a Native American community?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	G. AESTHETIC RESOURCES – WILL THE PROJECT:
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Adversely affect a scenic vista or view?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Significantly increase noise levels?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Adversely affect the quality of the scenic resources in the immediate area or park-wide?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Create a visually offensive site?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Be incompatible with the park design established for this unit or diminish the intended sense of "a special park quality" for the visitor?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H. RECREATIONAL RESOURCES – WILL THE PROJECT:
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Be in a public use area?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Have an adverse effect on the quality of the intended visitor experience?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Have an adverse effect on the quality or quantity of existing or future recreational opportunities or facilities?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Have an adverse effect on the accessibility of recreational facilities (e.g., ADA requirements)?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I. SEA-LEVEL RISE AND EXTREME EVENTS (COASTAL UNITS ONLY):
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Has this project been evaluated for potential impacts from sea-level rise, coastal storm surge, and other extreme events, using the Department's Sea-Level Rise and Extreme Events Guidance Document or an equivalent process? <i>Please attach the Sea-Level Rise Worksheet (provided in the guidance document) or other detailed evaluation.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Based on the evaluation described above, will the project be adversely impacted by frequent flooding or permanent inundation during its expected lifetime?
<input type="checkbox"/> Non-coastal unit			

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EVALUATION AND COMMENTS

C.4: Re-establishing the rockwork dam and reservoir with the Cascade water treatment facility will increase the capacity of the treatment facility and may result in increased water usage.

D.6.: Trenching for the pipe will create ground disturbance and may result in an increased risk of colonization by disturbance following non-native plants.

F.2.: To be evaluated through the PRC 5024 review

F.3.: To be evaluated through the PRC 5024 review

H.1: This area is currently not open to the public; however, with the recent acquisition of the adjacent property by Save the Redwoods, a future recreational trail may be in the future.

H.3.: If area opened up for public access in the future, this rockwork dam structure would be highly visible and an interpretive component should be considered for if/when that happens.

ENVIRONMENTAL REVIEW

*To Be Completed by Qualified Specialist(s) ONLY.
Attach additional reviews or continuation pages, as necessary.*

TRIBAL LIAISON COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)

- ☐ Reviewer is Designated District/Service Center/Division Tribal Liaison or Designee
- ☐ NAHC Listed Tribe(s) contacted (attach correspondence record for contact and findings)
- ☐ DN 2007-05 Tribal Consultation Only
- ☐ AB52 Consultation Initiated

Findings:

- ☐ Project action does not have potential to affect "tribal cultural" resources (explain)

Check more than one box if tribes provide differing responses, and describe all consultations below.

- ☐ Tribe(s) did not respond
- ☐ Tribe(s) approved project as written
- ☐ Tribe(s) approved project with treatments or conditions
- ☐ Tribe(s) and DPR unable to reach mutual agreement on project treatments or conditions

Explain

SIGNATURE



PRINTED NAME

TITLE

DATE

ARCHEOLOGIST COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)

Findings:




- ☐ No PRC 5024 necessary (provide justification)
- ☐ PRC 5024 attached; project approved as written
- ☐ PRC 5024 attached, conditions necessary
- ☐ PRC 5024 attached, mitigations and/or potential significant impacts

Explain

Project ID No. _____

PROJECT EVALUATION (PEF)


PCA No. _____


SIGNATURE 	PRINTED NAME	
TITLE	DATE	
HISTORIAN COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS) Findings: <input type="checkbox"/> No PRC 5024 necessary (<u>provide justification</u>) <input type="checkbox"/> PRC 5024 attached, project approved as written <input type="checkbox"/> PRC 5024 attached, conditions necessary <input type="checkbox"/> PRC 5024 attached, mitigations and/or potential significant impacts Explain 		
SIGNATURE 	PRINTED NAME	
TITLE	DATE	
ENVIRONMENTAL SCIENTIST COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS) Findings: <input type="checkbox"/> No Impact <input type="checkbox"/> Impact(s), see conditions/mitigations below or on attached page(s) <input type="checkbox"/> Potential Significant Impact Explain 		
SIGNATURE 	PRINTED NAME	
TITLE	DATE	
MAINTENANCE CHIEF/SUPERVISOR (REQUIRED FOR ALL FINDINGS) COMMENTS: 		


Project ID No. _____


PROJECT EVALUATION (PEF)

PCA No. _____

SIGNATURE 		PRINTED NAME	
TITLE		DATE	
OTHER COMMENTS (COMMENTS MUST INCLUDE TITLE AND SIGNATURE)			

SIGNATURE 		PRINTED NAME	
TITLE		DATE	
OTHER COMMENTS (COMMENTS MUST INCLUDE TITLE AND SIGNATURE)			

SIGNATURE 		PRINTED NAME	
TITLE		DATE	
OTHER COMMENTS (COMMENTS MUST INCLUDE TITLE AND SIGNATURE)			

SIGNATURE 		PRINTED NAME	
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PROJECT EVALUATION (PEF)

Project ID No. _____

PCA No. _____

TITLE	DATE
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ENVIRONMENTAL COORDINATOR REVIEW

YES MAYBE NO

☐ ☐ ☒☐ ☐ ☒☐ ☐ ☒☐ ☐ ☒☐ ☐ ☒

CUMULATIVE IMPACTS

1. Will the project be conducted in conjunction with or at the same time as other projects at the park?
2. Will the project be part of a series of inter-related projects?
3. Are there any other projects that must be completed for any part of this project to become operational?
4. Are there any other projects (including deferred maintenance) that have been completed or any probable future projects that could contribute to the cumulative impacts of this project?
5. Are any of the projects that relate to the proposed work outside the General Plan?

COMMENTS:

RECOMMENDATION:

- ☐ Not a project for the purposes of CEQA compliance.
- ☐ Project is covered activity under DOM 0600 (Figure F) that does not require a Notice of Exemption;
- ☐ Project is covered activity under previously prepared CEQA Document (internal or external); SCH number: _____
- ☒ The project is exempt. File a Notice of Exemption.
- ☐ A Negative Declaration should be prepared.
- ☐ A Mitigated Negative Declaration should be prepared.
- ☐ An EIR should be prepared.
- ☐ AB52 Consultation Initiated. See Tribal Liaison Comment Section above.

SIGNATURE



PRINTED NAME

TITLE

DATE

DISTRICT SUPERINTENDENT REVIEW

COMMENTS:

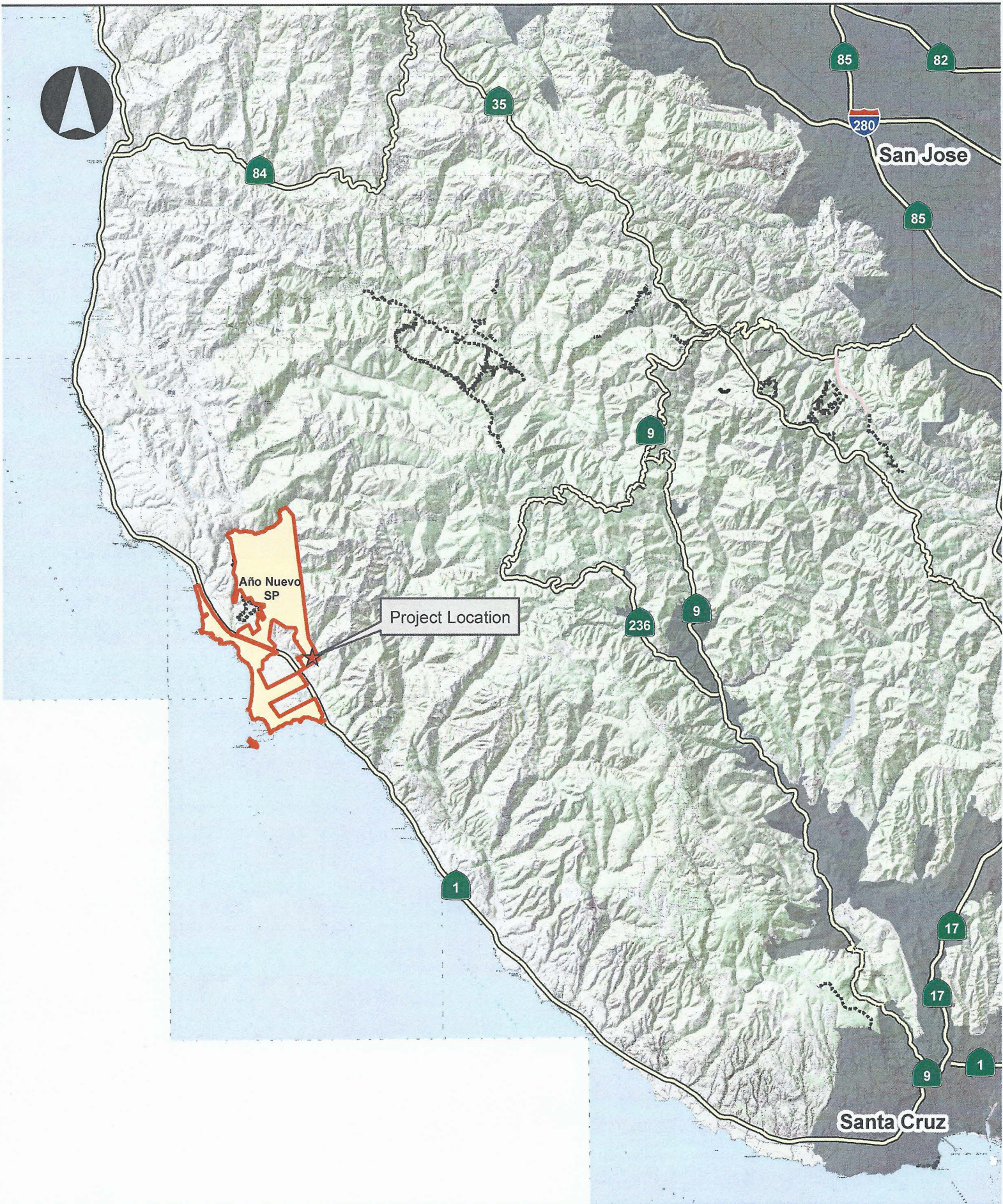
I acknowledge any constraints placed on the project as a result of the specialists' comments above and recommend the project proceed.

DISTRICT SUPERINTENDENT APPROVAL SIGNATURE

TITLE

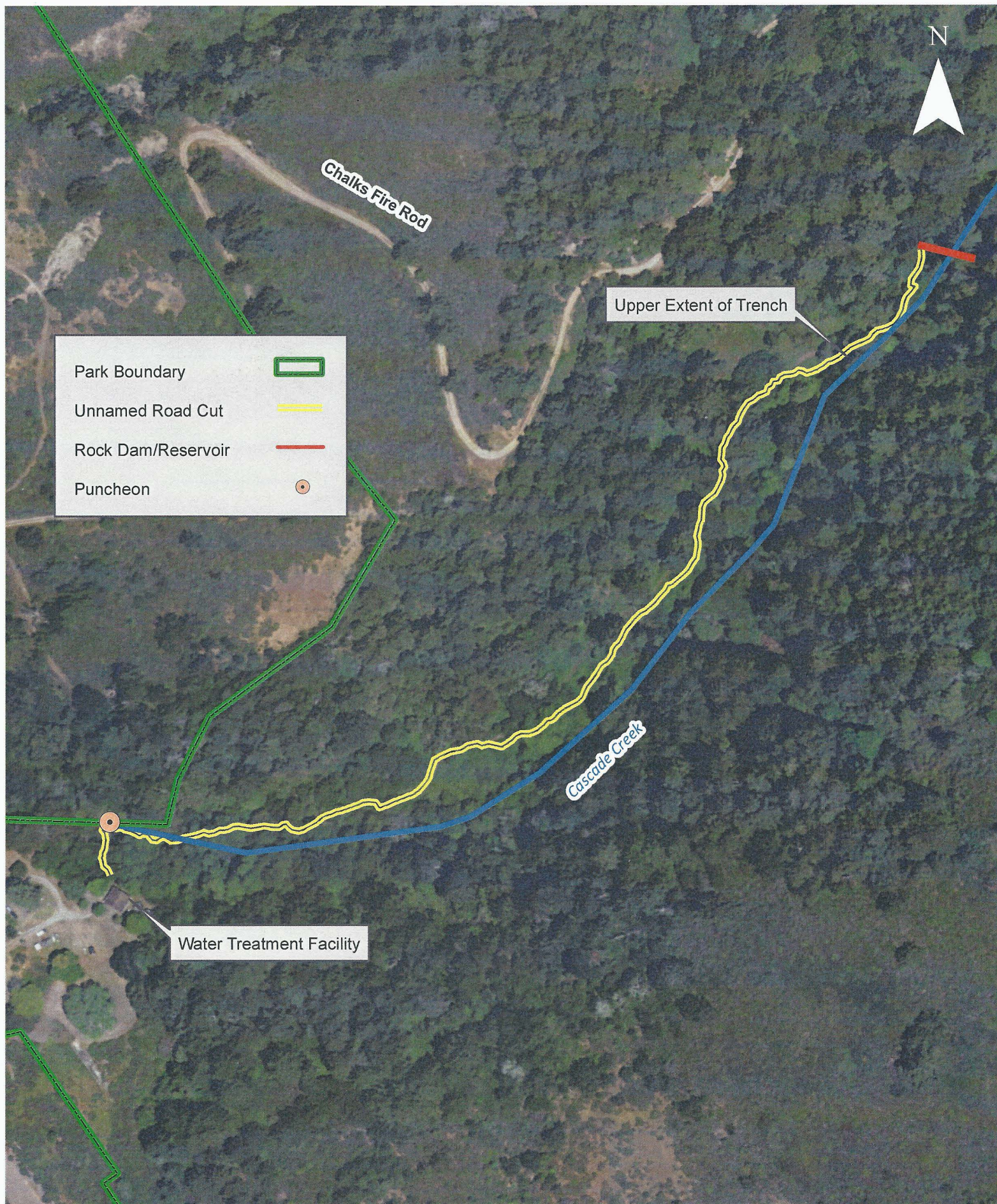
DATE



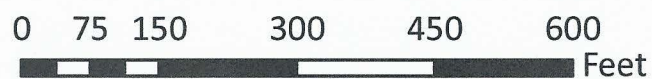


**Año Nuevo State Park
Cascade Water Reconnection Project
Project Location Map**





Año Nuevo State Park
Cascade Water Reconnection Project
Project Site Map



Cascade Water Treatment Reconnection

Project Description

The project is found within the Cascade Creek watershed, within close proximity to the historic Cascade Ranch complex of Año Nuevo State Park, inland of highway 1. Located approximately 20 miles to the NW the city of Santa Cruz and 17 miles to the SW of San Jose. Latitude: 37° 8' 23.35"N., Longitude: 122° 18' 58.389"W. Refer to Project Location Map

The goal of the project is to re-establish the water connection from the 'rockwork' dam at Cascade Creek falls downstream ~2,000 ft., where it terminates with the Cascade water treatment facility. The dam was constructed sometime between the 1860's and 1880's by the Steele family with the intent to provide both water and electricity to the Cascade Ranch complex. In 2003, State Parks constructed the water treatment facility along with a schedule 40 (Sch-40) pipeline that connected the rockwork dam with the treatment facility. Unfortunately, the pipeline failed in several locations during the winter storms of 2016/17 due to landslides and tree failures and has not been restored since. This project will not only restore this connection, but will improve the resiliency of this infrastructure to future storm damage by utilizing more durable materials and burying pipe underground within abandoned road-cut corridor.

This project consists of three components; all of which are necessary to the successful completion of the project. These three components are detailed below with references made to the Reference Images document as well as the Project Site Map.

- 1) Reconnection of pipeline: The old pipeline consisted of a ~ 3 inch Sch-40 pipe that followed the surface contours of the Cascade creek stream channel. The new pipeline will be installed using a 2-inch diameter black high-density polyethylene (HDPE) pipe mostly buried under ground. The only portion that will be exposed and visible will be a 200 ft. section coming off the outlet pipe of the dam (Image # 1), traversing the hillside until it meets up with the road-cut. Installation of the pipe from this point will include using both mechanical and hand crews to trench ~1,800 feet along the road corridor that runs adjacent to the stream channel. Trenching will occur within the existing footprint of the road, just to the inside of centerline at a depth up to 18 inches. All spoils generated from the trenching operation will be backfilled into trench or spread out along existing road-cut. Image # 2 shows a section of the road cut and approximate alignment of the trenched pipe. Any exposed soil will be covered utilizing duff or litter from suitable locations nearby.
- 2) Reconstruction of puncheon: The existing puncheon (Image # 3) spans Cascade Creek in close proximity to the water treatment facility, as identified in the Project Site Map. The redwood constructed puncheon measures 14.5 ft. in length x 6 ft. in width. The redwood stringers of the puncheon are in direct contact with the ground and are experiencing moderate rot. The reconstruction of the puncheon will occur in the same footprint of the existing puncheon utilizing newer redwood material. A member of the Districtwide Trails Crew will oversee this aspect of the project. The reconstruction of the puncheon will improve future access and efficiencies for

crews maintaining this infrastructure. Any exposed soil will be covered utilizing duff or litter from suitable locations nearby.

- 3) Cleaning of debris within reservoir basin: Cleaning sediment, debris and vegetation from the reservoir will need to occur prior to reconnection (Image #4). This will maximize water retention capabilities, improve water quality and protect the integrity of the structure. This work will be done using hand crews with all material removed to be placed in a stable location, above the high water line. Any exposed soil will be covered utilizing duff or litter from suitable locations nearby.

Project area is within both San Francisco garter snake (SFGS) and California red-legged frog (CRLF) habitat. USFWS approved biologist or approved biological monitor will be onsite at all times during project construction. Areas will be pre-identified for staging of materials and these areas will be inspected at the beginning of each day for presence of SFGS and/or CRLF. In addition, all personnel working on the project will receive a biological training put on by the approved biologist. The training will cover the species' natural history, identification, habitat requirements, threats and avoidance measures.

If either species is encountered, the 'on-scene' biologist or monitor will come to the site to confirm the identification of the animal and will take appropriate measures based on results of the determination.

Cascade Water Treatment Reconnection

Reference Images



Image #1 (above): Outlet pipe at bottom of the rock-dam reservoir. New pipe to be installed at this point and run down face of cliff. **Image #3 (below):** Existing puncheon spanning Cascade Creek.

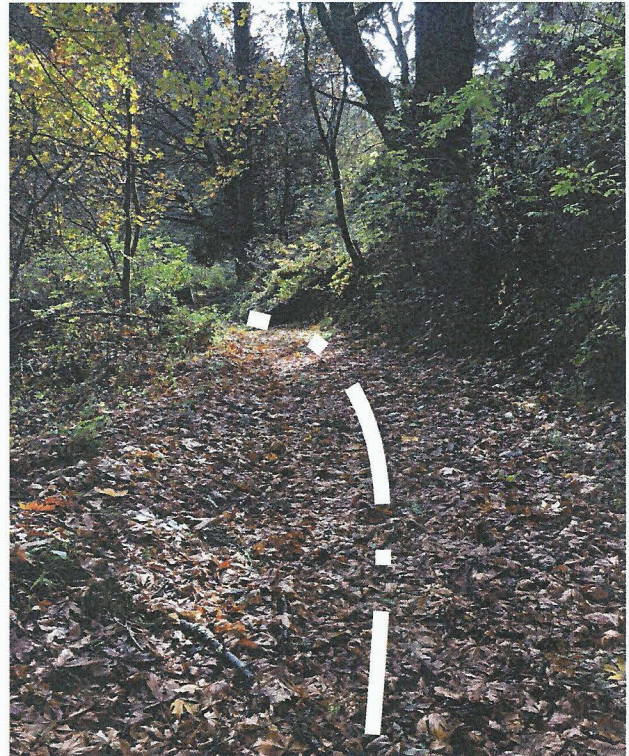
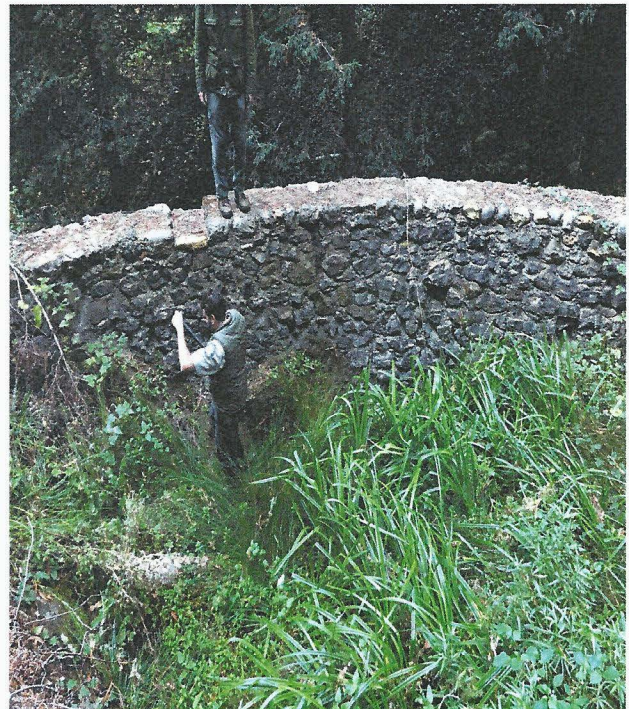


Image #2 (above): Road cut, looking downhill. Trench being proposed down inside-middle of road cut. **Image #4 (below):** Looking downstream at reservoir basin. Vegetation and sediment accumulated over 4 year period.



Sea Level Rise and Extreme Event Worksheet for Project Planning

This worksheet refers to concepts described in the Department's Sea Level Rise and Extreme Events Guidance for Project Planning. Please visit <http://isearch.parks.ca.gov/sea-level-rise> for more information and examples.

Project Title

Date

Cascade Water Treatment Reconnection

02/06/2020

District

Park Unit

Santa Cruz

Año Nuevo State Park

Project Evaluator

Phone Number

Email

Tim Reilly

831-335-6383

timothy.reilly@parks.ca.gov

1. Define Project

[SLR Guidance page 6]

a. Describe Project Objectives

The project is found within the Cascade Creek watershed, within close proximity to the historic Cascade Ranch complex of Año Nuevo State Park, inland of highway 1. Located approximately 20 miles to the NW the city of Santa Cruz and 17 miles to the SW of San Jose. Latitude: 37° 8' 23.35"N., Longitude: 122° 18' 58.389"W. Refer to Project Location Map

The goal of the project is to re-establish the water connection from the 'rockwork' dam at Cascade Creek falls downstream ~2,000 ft., where it terminates with the Cascade water treatment facility. The dam was constructed

b. What the the expected lifetime of the project?

50 years

c. Is the primary purpose of the project to mitigate inundation, flooding, or erosion? (e.g., seawalls, dune restoration, relocation, etc.)

☐ Yes ☒ No

If "Yes", please consider both the project itself as well as any resource the project might be protecting.

2. Assess Vulnerability to Inundation, Flooding, or Erosion

Exposure

[SLR Guidance page 7]

a. Based on your observations, is the project located in an area that is already a flood zone or has a history of past damage due to waves, inundation, flooding, or erosion?

☐ Yes ☒ No ☐ Uncertain

b. According to the CSP web tool (<http://mshqgisweb11/flex/SeaLevelRise/>), does the project location fall within one or more of the areas shaded by the inundation, flood, or erosion projections?

☐ Yes ☒ No

If "No" to both 2.a and 2.b, and your project lifetime is less than 100 years, no further analysis is required and the worksheet is complete. If you do not meet ALL of these criteria, please continue with the worksheet.

c. Which projection(s) does your project fall within?

- ☐ NOAA SLR
- ☐ Pacific Institute 2100 SLR and 100 yr Storm
- ☐ Pacific Institute 2100 Bluff and Dune Erosion Hazard
- ☐ CoSMoS SLR and 100 yr Storm (only available in some areas)
- ☐ Personal observation of damage due to waves, inundation, flooding or erosion

d. Identify any other local factors that may be relevant to your project's capacity for resilience to inundation, flooding, or erosion (e.g., uplift, subsidence, tectonics, nearby seawalls or developments).

Sensitivity

[SLR Guidance page 9]

e. Does the project itself have inherent characteristics or materials that make it sensitive to inundation, flooding, or erosion? Describe the sensitivity.

Examples include:

- A rare plant or animal that cannot tolerate flooding, inundation, or a change in salinity
- A cultural resource that will be exposed due to erosion or damaged due to flooding
- A facility that will have its structure or function compromised by seawater
- A site where soil is contaminated and will influence water quality
- A particularly important point for public access.

Adaptive Capacity

[SLR Guidance page 10]

f. Can the outcome of the project be easily moved upland to avoid impacts from inundation, flooding, or erosion?

☐ Yes ☐ No

g. Can the outcome of the project be easily raised or reinforced to prevent damage from inundation, flooding, or erosion?

☐ Yes ☐ No

h. Describe how the project can be relocated or modified to tolerate or withstand inundation, flooding, or erosion.

Overall Vulnerability

[SLR Guidance page 10]

i. Discuss overall vulnerability considering exposure, sensitivity, and adaptive capacity.

3. Identify Project Impacts (Positive and Negative)

[SLR Guidance page 11]

a. **Infrastructure.** Will parking, restrooms, campsites, first-aid stations, interpretive elements (centers, kiosks, panels, etc.), or utilities be positively or negatively affected by this project under inundation, flooding, or erosion projections?

☐ Yes ☐ No Impacts ☐ Unknown

b. **Natural Resources.** Will this project positively or negatively affect the beach/near shore environment and/or biological diversity under inundation, flooding, or erosion projections?

☐ Yes ☐ No Impacts ☐ Unknown

c. **Cultural Resources.** Will archeological sites, historical structures, or other cultural resources be positively or negatively affected by this project under inundation, flooding, or erosion projections?

☐ Yes ☐ No Impacts ☐ Unknown

d. **Visitors.** Does this project positively or negatively affect natural or cultural resources that attract visitors, based on inundation, flooding, or erosion projections?

☐ Yes ☐ No Impacts ☐ Unknown

e. **Recreation Areas.** Will hiking, biking, horseback riding, OHV sites, or other recreation that attracts visitors be positively or negatively affected by this project under inundation, flooding, or erosion projections? Will recreational features like trails or overlooks be impacted?

☐ Yes ☐ No Impacts ☐ Unknown

f. **Personnel.** Will inundation, flooding, or erosion necessitate additional maintenance to this project? If so, how much effort will be required to maintain the project in a functional state?

☐ Yes ☐ No Impacts ☐ Unknown

g. **Overall Cost.** Will additional costs be incurred over the project lifetime due to inundation, flooding, or erosion? If project provides structural protection, will the cost to maintain the protection outweigh the cost of the infrastructure or natural/cultural resource being protected?

☐ Yes ☐ No Impacts ☐ Unknown

h. Please explain any "Yes" response on 3.a-3.g:

4. Make Recommendation

[SLR Guidance page 12]

Make a recommendation for this project. Include any justifications for recommending a project that may be impacted by inundation, flooding, or erosion under future projections. Include suggestions for monitoring and addressing potential impacts. Attach photos and maps if appropriate.

State of California – Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ACCESSIBILITY DIVISION

R E V I E W & C O M M E N T S H E E T

Project:	Cascade Water Reconnection	Design Entity:	Santa Cruz District
Location:	Ano Nuevo SP	Project Manager:	Jacob Bentley
Review Date:	02/18/20	Reviewer:	Travis Segebart
Project Phase:		Phone:	916-445-8933

This review and comment does not authorize any omissions or deviations from applicable regulations. The intent of this review is for general conformance with applicable parts of Americans with Disabilities Act Standards for Accessible Design (ADASAD), California Code of Regulations Title 24 - access compliance, and the Department of Parks and Recreation's (DPR) California State Parks Accessibility Guidelines (CSPAG). Plans were reviewed solely on the items submitted to the Accessibility Section as it relates to standards in design and construction of accessibility features for individuals with disabilities. All construction must comply with the Latest Editions of the California Building Code (CBC), California Mechanical Code (CMC), California Plumbing Code (CPC), California Electrical code (CEC), California Fire Code (CFC), current editions of the Occupational Safety and Health Act (OSHA) and all other prevailing state and federal regulations.

G E N E R A L C O M M E N T S

Accessibility Section has completed review of the PEF and approves moving forward with project. The puncheon and approaches to the puncheon are subject to compliance of Section 42 - Trails of the California State Parks Accessibility Guidelines. Unless the scope of work changes, no further review is required.

At the completion of the project, unless an inspection by Accessibility Division is requested and performed, the project manager must fill out the attached Accessibility Verified Report and return a copy to our office.

Approval of this PEF does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection.

E N D O F C O M M E N T S

California Department of Parks and Recreation
Historical Review ☒ Archaeological Review ☐ Both ☐
Project Evaluation
(P.R.C. 5024, 5024.5 and E.O. W-26-92)

PROJECT: Cascade Water Connection

PARK UNIT: Año Nuevo S.P.

DISTRICT: Santa Cruz District

Project Manager: Jake Bentley

Date: 2/3/2020

Contact Phone #: 831 251-2884

Email: jacob.bentley@parks.ca.gov

PROJECT DESCRIPTION / DEFINE A.P.E. BOUNDARY:

See attached PEF

The project is found within the Cascade Creek watershed, within close proximity to the historic Cascade Ranch complex of Año Nuevo State Park, inland of highway 1. Located approximately 20 miles to the NW the city of Santa Cruz and 17 miles to the SW of San Jose. Latitude: 37° 8' 23.35"N., Longitude: 122° 18' 58.389"W. Refer to Project Location Map

The goal of the project is to re-establish the water connection from the 'rockwork' dam at Cascade Creek falls downstream ~2,000 ft., where it terminates with the Cascade water treatment facility. The dam was constructed sometime between the 1860's and 1880's by the Steele family with the intent to provide both water and electricity to the Cascade Ranch complex. In 2003, State Parks constructed the water treatment facility along with a schedule 40 (Sch-40) pipeline that connected the rockwork dam with the treatment facility. Unfortunately, the pipeline failed in several locations during the winter storms of 2016/17 due to landslides and tree failures and has not been restored since. This project will not only restore this connection, but will improve the resiliency of this infrastructure to future storm damage by utilizing more durable materials and burying pipe underground within abandoned road-cut corridor.

This project consists of three components all of which are necessary to the successful completion of the project. These three components are detailed below with references made to the Reference Images document as well as the Project Site Map.

1) Reconnection of pipeline: The old pipeline consisted of a ~ 3 inch Sch-40 pipe that followed the surface contours of the Cascade creek stream channel. The new pipeline will be installed using a 2-inch diameter black high-density polyethylene (HDPE) pipe mostly buried under ground. The only portion that will be exposed and visible will be a 200 ft. section coming off the outlet pipe of the dam (Image # 1), traversing the hillside until it meets up with the road-cut. Installation of the pipe from this point will include using both mechanical and hand crews to trench ~1,800 feet along the road corridor that runs adjacent to the stream channel. Trenching will occur within the existing footprint of the road, just to the inside of centerline at a depth up to 18 inches. All spoils generated from the trenching operation will be backfilled into trench or spread out along existing road-cut. Image # 2 shows a section of the road cut and approximate alignment of the trenched pipe. Any exposed soil will be covered utilizing duff or litter from suitable locations nearby.

2) Reconstruction of puncheon: The existing puncheon (Image # 3) spans Cascade Creek in close proximity to the water treatment facility, as identified in the Project Site Map. The redwood constructed puncheon measures 14.5 ft. in length x 6 ft. in width. The redwood stringers of the puncheon are in direct contact with the ground and are experiencing moderate rot. The reconstruction of the puncheon will occur in the same footprint of the existing puncheon utilizing newer redwood material. A member of the Districtwide Trails Crew will oversee this aspect of the project. The reconstruction of the puncheon will improve future access and efficiencies for crews maintaining this infrastructure. Any exposed soil will be covered utilizing duff or litter from suitable locations nearby.

3) Cleaning of debris within reservoir basin: Cleaning sediment, debris and vegetation from the reservoir will need to occur prior to reconnection (Image #4). This will maximize water retention capabilities, improve water quality and protect the integrity of the structure. This work will be done using hand crews with all material removed to be placed in a stable location, above the high water line. Any exposed soil will be covered utilizing duff or litter from suitable locations nearby.

Project area is within both San Francisco garter snake (SFGS) and California red-legged frog (CRLF) habitat. USFWS approved biologist or approved biological monitor will be onsite at all times during project construction. Areas will be pre-identified for staging of materials and these areas will be inspected at the beginning of each day for presence of SFGS and/or CRLF. In addition, all personnel working on the project will receive a biological training put on by the approved biologist. The training will cover the species' natural history, identification, habitat requirements, threats and avoidance measures.

If either species is encountered, the 'on-scene' biologist or monitor will come to the site to confirm the identification of the animal and will take appropriate measures based on results of the determination.

Source of Funding/Amount:

CULTURAL RESOURCES:

HISTORIC ☒ ARCHAEOLOGICAL ☐ TRADITIONAL CULTURAL PROPERTY (TCP) ☐ NONE ☐
POTENTIALLY PRESENT (i.e. potentially buried resources or survey inconclusive due to inaccessibility) ☐

APE visited by Cultural Resources Staff Yes ☐ No ☒

Name:

Date:

Methods of Inventory:

Log No.: CEQA No.:

Records Review ☒ Site History Research ☒ Field Survey ☐ Subsurface Testing ☐ Other

Explain Findings: The Cascade Creek dam is a "rockwork" dam constructed by the Steele ranching families during their ownership of the land between the 1860s and 1880s.

NEGATIVE SURVEY DETERMINATION:

☐ **NO EFFECT: No Historical Resources Present**

[If no cultural resources are present, or potentially present within the project APE, no further documentation is required. Proceed to review section VII. APPROVAL AND CERTIFICATION for signature]

I. EXISTING CONDITIONS/RESOURCE STATUS Attach appropriate documentation (DPR 523 forms, etc.):

A. Resources within APE: [Site Number(s)/Description(s)/Date of Latest Recordation Form(s)/Additional Documentation (reports, studies, etc)]: The project takes place within the area of the previous Steele dairy ranch otherwise known as Cascade Ranch. The dam included in this project was most likely constructed when the lands were owned by the Steele family.

B. Newly identified resources recorded or updated previous records?: Yes ☐ No ☒

Explain/List:

II. ELIGIBILITY DETERMINATION(S) (use continuation page [separate file] for additional resources identified):

A. Resource Evaluation and Significance (If resource is nominated or listed, do NOT fill out section IIB below. Attach appropriate recordation forms to review package. If not, move to section IIB below).

Resource Name / Site Number: Cascade Ranch District

Resource Type is: Individual Building/Structure ☒ Archaeological Site(s) ☐ Landscape District ☐

Historic District ☒ Archaeological District ☐ TCP ☐ National Historic Landmark ☐ Cultural Preserve ☐

Nominated for ☒ **or Listed** ☒ **on:** **California Register:** Yes ☐ No ☒ **National Register:** Yes ☐ No ☒

(If Nominated: Eligibility Concurrence status by OHP: Yes ☐ No ☐ In process ☐)

B. Site/Structure Eligibility Determination (for newly recorded, non-nominated or listed resources):

Not Eligible ☐

Explain (include documentation of negative DOE):

Potentially Eligible ☒

Criteria: A – Events ☒ B – People ☒ C—Design ☐ D—Information ☐

Significance Statement: Background and integrity discussion taken from the Ano Nuevo General Plan (2008):

The dam is a contributing feature of the Cascade Ranch Complex. This ranching complex dates to 1861, when the Steele Brothers, who operated numerous dairy ranches in Marin County, expanded their operations to Punta del Ano Nuevo. After leasing the land in Punta del Ano Nuevo, the Steele brothers established a firm consisting of Isaac, Edgar W. and George Rensselaer, along with Horace Gushee and Charles Wilson. The Steele Dairies initially consisted of five distinct ranches: Green Oaks Ranch (Isaac Chapman), Pocket Dairy, Cascade Ranch (Rensselaer), White House Ranch, and the Cloverdale Ranch (Edgar Willis).

Rensselaer built a house on what would become known as Cascade Ranch as early as 1862. The Cascade Ranch was reportedly the center and coordinating ranch of the Steele Brothers partnership. The dairy building there produced much of the cheese and butter. It is not surprising that Cascade would be the focus, as Rensselaer's wife Clarissa has often been cited for saying, as the driving force behind the Steeles' move into cheese making. It was her attempts while they were living in Sonoma County that gave the Steele Brothers their entry into the cheese making industry. She has even been called the "Mother of the California Cheese Industry" (California Milk Advisory Board nd).

The dairies flourished in a time of increased demand for products with the ongoing Civil War, and subsequent droughts of the mid-1860s that impacted other areas of the country. By 1867, it was reported that the ranches around Punta Ano Nuevo consisted of 15,000 acres and 750 cows. By the early 1870s, the Steele Brothers were reportedly the second largest owners of milk cows in the state (Reese 1964:4). In 1872, the Steele Brothers dissolved their partnership, although each of the members continued in the dairying business.

Integrity Discussion: According to the Ano Nuevo SP general plan, the Cascade Ranch is divided into two ownerships, State Parks and the private owned Cascade Ranch Historic Farm properties. The ranch forms a part of California State Historic Landmark #906 and appears eligible for listing on the National Register of Historic Places. The Cascade Ranch complex retains much of its original setting and feeling. The structures associated with the complex are largely intact, and while there have been modifications since their original construction, they still retain enough original integrity to be contributing elements of the ranching district.

Log No.: CEQA No.:

As previously mentioned, the main contributing piece of the Cascade Ranch complex that is a part of this project is the earthen rock dam that supplied a controlled water supply to the ranch. The dam retains much of its original integrity of design, setting, feeling and location, and is potentially eligible for listing as a contributor to the ranch.

III. DPR POLICY COMPLIANCE

- A. Is project consistent with General Plan?: Yes ☒ No ☐ GP date: 2008
B. If no General Plan, is project scope consistent with current resource use?: Yes ☐ No ☐
C. Is project consistent with Cultural Resource Management Directives?: Yes ☒ No ☐

Comments: Project proposes to reconnect a historic water conveyance line and rebuild a failing bridge that has deteriorated from differed maintenance. This is in line with the parks' directives of maintaining its resources for future use.

IV. IMPACT ASSESSMENT

A. Historic Resources

Historic Facility Name(s): Cascade Ranch District

Will the proposed project impact historic resources? Yes ☐ No ☒

Describe impacts or non-impacts and provide Comments: Reviewing the project by its individual components reveals that the project will have no impact on any listed or potentially eligible resources.

Component 1: Reconnection of pipeline

Reconnecting the pipeline will have **NO IMPACT** on the historic Dam, the ranching district, or any other potentially eligible resources. Doing so will just allow the dam to operate in its original capacity, providing a watershed to the downstream dairy area. The connection will occur by use of the non-historic PVC pipe currently in place.

Component 2: Reconstruction of puncheon

Reconstruction of the redwood puncheon bridge will have **NO IMPACT** on the landscape, or any other listed or potentially eligible resources. The bridge is not historic, and was most likely constructed by DPR staff less than 50 years ago. The reconstruction will be in the same footprint and not expand on the design or look of the original bridge.

Component 3: Cleaning of debris within reservoir basin

Cleaning out debris from the dam basin will have **NO IMPACT** on the dam, the landscape, or any nearby resources. This can be seen as routine maintenance to ensure that the watershed operates properly in its historic design. The cleaning will maximize water retention and protect the integrity of the structure. All vegetation will be removed by hand and does not have a potential to damage the rock dam.

Is proposed project consistent with Secretary of Interior's Standards and Guidelines?: Yes ☒ No ☐

Explain: The project is consistent with the Secretary of the Interior's Standards and Guidelines. No historic resources will be impacted from carrying out the project.

B. Archaeological Resources

Site Number(s):

Archaeological Site Type: Historic ☐ Prehistoric ☐ Unknown ☐

Will the proposed project impact archaeological resources? Yes ☐ No ☐

Describe impacts or non-impacts and provide Comments:

Is proposed project consistent with Secretary of Interior's Standards and Guidelines in relation to archaeological resources?:

Yes ☐ No ☐

Explain:

V. TREATMENTS AND MITIGATION

A. Would project redesign lessen resource impacts?: Yes ☐ No ☒

Explain: No redesign necessary.

B. Are appropriate treatment measures included within project scope?: Yes ☒ No ☐

Explain: The project is designed in a way that no treatment measures are necessary.

C.. Does treatment involve salvaging historic fabric or excavating archaeological deposits?: Yes ☐ No ☒

If yes, has a recordation program or archaeological treatment plan been approved by a senior-level CRS? Yes ☐ No ☐

Log No.:

CEQA No.:

Explain:

D. In order to bring the project into compliance with the Secretary of the Interiors Standards, the project should proceed with the following modifications or special provisions (Identify specific treatment measures): Project is approved as designed.

VI. DETERMINATION

A. Is documentation sufficient for Determination of Effect?: Yes ☐ No ☐

If no, check below:

☐ NO DETERMINATION OF EFFECT CURRENTLY POSSIBLE

Explain:

If Yes: the reviewer has sufficient documentation to determine that the Proposed Project will have:

- ☐ No Effect: No Historical Resources Present (See Section)
☐ No Effect: No Historical Resources Affected
☒ No Adverse Effect
☐ Adverse Effect

on the Historical or Archaeological Resources of the State Park System.

Explain: The project will have no impact on any resources, repairing the footbridge and rehabilitating the rock dam will have no impact on the potentially eligible historic district. The connection to the dam will be by using the non-historic pipe already in place in the dam.

Has a Secondary Review of this DOE been completed by a Cultural Resource Specialist?: Yes ☐ No ☐

VII. APPROVAL AND CERTIFICATION

(APPROVAL OF THIS PROJECT IS CONTINGENT ON PROJECT SCOPE NOT BEING CHANGED FROM ABOVE DESCRIPTION. IF SCOPE IS CHANGED, PROJECT MANAGER MUST CONTACT CULTURAL RESOURCE REVIEWER(S) FOR POTENTIAL REVIEW.)

Primary Reviews:

Historical Review

I recommend this project be Approved ☒ Not Approved ☐ Approved Conditionally ☐

Explain: Project will have no impact on any listed or potentially eligible resources. Rehabilitating the historic watershed so that it operates to its original capacity will have no negative impact on the resource or any nearby potentially eligible resources. The rehabilitation of the non-historic deteriorated footbridge will have no impact on the landscape, the repairs will match in kind to what currently exists. The connection to the dam will be by using the non-historic pipe already in place in the dam.

Historical Reviewer: Andrew Shimizu



Date: 2/7/2020

Title: Seasonal Archeological Specialist

Phone #: 916-605-6744

Hours Spent on Evaluation: 1

Archaeological Review

I recommend this project be Approved ☐ Not Approved ☐ Approved Conditionally ☐

Explain:

Archaeological Reviewer:

Date:

Title:

Phone #:

Hours Spent on Evaluation:

Log No.: CEQA No.:

Restoration Architect Review

I recommend this project be Approved ☐ Not Approved ☐ Approved Conditionally ☐

Explain:

Architectural Reviewer:

Date:

Title:

Phone #:

Hours Spent on Evaluation:

Secondary Review:

I recommend this project be Approved ☒ Not Approved ☐ Approved Conditionally ☐

Explain: The project will repair the non-historic pipeline that currently extends from the historic dam by using the existing PVC pipe that currently penetrates the dam. Another aspect of the project is to replace a non-historic footbridge constructed by State Parks. The project will not impact any historic resources.

Secondary Reviewer: Dan Osanna



Title: Environmental Program Manager I

Phone #: (916) 445-8836

Comments:

Project Manager:

I understand that this project as proposed or modified may affect historical or archaeological resources. I will insure that all treatment measures necessary for the project to confirm with Historic Preservation standards and professional guidelines will be carried out as specified above. If project scope is changed, I will contact cultural resource reviewer(s) for potential re-review.

Project Manager:

Title:

Phone #:

Date:


FAX #:

Note: All review packages must include a project map and appropriate documentation. For archaeological surveys, attach DPR 649 (or equivalent) with coverage map and site records. For historic structures, attach DPR 523 or 750. For archaeological sites, attach DPR 523.

PROJECT EVALUATION (PEF)

Project ID No. _____

PCA No. _____

SIGNATURE 		PRINTED NAME	
TITLE		DATE	
HISTORIAN COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)			
Findings:			
<input type="checkbox"/> No PRC 5024 necessary (<u>provide justification</u>)			
<input checked="" type="checkbox"/> PRC 5024 attached, project approved as written			
<input type="checkbox"/> PRC 5024 attached, conditions necessary			
<input type="checkbox"/> PRC 5024 attached, mitigations and/or potential significant impacts			
Explain			
The project will repair the non-historic pipeline that currently extends from the historic dam by using the existing PVC pipe that currently penetrates the dam. Another aspect of the project is to replace a non-historic footbridge constructed by State Parks. The project will not impact any historic resources.			
SIGNATURE 		PRINTED NAME Dan Osanna	
TITLE Environmental Program Manager I		DATE 02/07/2020	
ENVIRONMENTAL SCIENTIST COMMENTS AND SIGNATURE (REQUIRED FOR ALL FINDINGS)			
Findings:			
<input type="checkbox"/> No Impact			
<input type="checkbox"/> Impact(s), see conditions/mitigations below or on attached page(s)			
<input type="checkbox"/> Potential Significant Impact			
Explain			
SIGNATURE 		PRINTED NAME	
TITLE		DATE	
MAINTENANCE CHIEF/SUPERVISOR (REQUIRED FOR ALL FINDINGS)			
COMMENTS:			



Hammack, Elizabeth@Parks

Fri 3/27/2020 2:16 PM

Rohlf, Scott@Parks ✓



CascadeWaterReconnection_...

7 MB

Approved. No interpretive impact.
Thanks,
Elizabeth



Kerbavaz, Joanne@Parks

Fri 4/3/2020 12:03 PM

Rohlf, Scott@Parks ✓



Impacts to natural resources will be avoided by measures included in the project to avoid impacts to existing native vegetation and to sensitive species.

Joanne Kerbavaz
Senior Environmental Scientist
Santa Cruz District





Kiser, Terry@Parks

Fri 4/3/2020 11:22 AM

Rohlf, Scott@Parks ✓



Scott,

Only question: How was the structural integrity of the dam addressed?

Thank you,

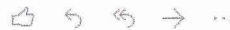
Terry Kiser
State Park Superintendent II
Santa Cruz District
(650) 208-9007



Bentley, Jacob@Parks

Fri 4/3/2020 11:58 AM

Rohlf, Scott@Parks; Kiser, Terry@Parks ✓



Terry,

We visually inspected the dam and it seemed to be in good shape. Use of the dam only stopped about 2 1/2 years ago when trees destroyed the water line.

Thanks,

Jacob Bentley
Park Maintenance Chief
California State Parks
Santa Cruz District / San Mateo Coast Sector
Cell (831) 251-2884 Office (650) 726-8818 Fax (650) 726-8816



Kiser, Terry@Parks

Fri 4/3/2020 1:07 PM

Bentley, Jacob@Parks; Rohlf, Scott@Parks ✓



Thanks for the update Jake.

Terry Kiser

Hi Scott:

I have field reviewed this project with both Tim and Jake, and agree that it can be done without disturbing things too much- specifically the integrity of the historic feature, but the project will affect the aesthetics of the feature and the setting (a pipe to replace the existing one which is also a modern affectation). This project needs to be evaluated with the idea of its being within an Environmentally Sensitive Area (ESA) for both cultural and natural resources. The feature consists of a unique dam and baffle system built sometime between 1860 and 1890, creating a retention pond at the lip of a precipice (Cascade Falls- see attached pics), and even the access route is a piece of old-time engineering in a steeply inclined, redwood and fern enshrouded arroyo. The retention pond is habitat to newts and other amphibians while the historic structure is presently stable, but easily disturbed by determined people. I know that Tim and Jake feel that the habitat issues are not significant, which is fine with me; however, this project will need to have the historic feature documented as an archaeological site with pics, maps and conditions.

Maybe we can proceed with the archaeologists signature on the PEF by acknowledging that the recordation of the resource will be done as a response to the project (completion of a DPR 523), while establishing protections to the feature noting that we are replacing an existing water system... I'm otherwise engaged for a couple of weeks, but could get to recording it then. And Tim Reilly might have gotten a buy-in from the NSC historian already, I'm not sure. But if he did, I'll still want to ensure that the endorsement of the project includes the recordation of the feature as an archaeological manifestation...

And by the way, the Amah Mutsun Tribe has been feeling out the idea of looking at Cascade Creek as a sort of spiritual zone- they plan to use the new water system to irrigate their nursery at Cascade Ranch as part of our Quiroste Valley Cultural Preserve work. But I'm not going to initiate consultation over the water system because if it's a spiritually connected setting, the pipe would be harder to endorse and they would thereby shoot themselves in the foot so to speak.

By the way, our Historian II, Martin Rizzo will start with us June 1. Then we can work to educate him on CEQA, PEF reviews, etc., since he has no clue about process, ...yet...

Mark Hylkema

Cultural Resources Program Manager

& Tribal Liaison/Archaeologist

Santa Cruz District



Bentley, Jacob@Parks

Wed 4/8/2020 10:27 AM

Rohlf, Scott@Parks



Hi Scott,

Here are my comments:

"Great project. No impact to facilities, only improvements."

Thanks,

Jacob Bentley

Park Maintenance Chief

California State Parks

Santa Cruz District / San Mateo Coast Sector

Cell (831) 251-2884 Office (650) 726-8818 Fax (650) 726-8816

Following comment review:

Comment Review of Cascade Water Reconnection PEF

2 ✓ +



Hylkema, Mark@Parks

Fri 4/10/2020 11:45 AM

Kiser, Terry@Parks; Rohlf, Scott@Parks +6 others ✓



Scott- we can proceed with the PEF by acknowledging that the historic feature at the falls will be recorded (DPR 523 site record and 5024 review) and that the project as proposed will not affect this significant historic feature. Cleaning out the sediment in the water catchment basin will not impact the historic structure; and as Jake suggested, the new pipe could be less intrusive looking than the one that is currently there. If we are replacing the existing system, and not changing the feature then that should qualify as exempt.

Mark Hylkema
Cultural Resources Program Manager
& Tribal Liaison/Archaeologist
Santa Cruz District
California State Parks



Spohrer, Chris@Parks

Fri 4/24/2020 12:27 PM

Branon, Sheila@Parks; Rohlf, Scott@Parks ✓



I approve the Cascade Water Reconnection Project PEF.
Thanks,
Chris



Chris Spohrer
District Superintendent
Santa Cruz District
303 Big Trees Park Rd.
Felton, CA 95018
Office: 831.335.6390
Cell (preferred) 831.234.5140

...