

FINAL
ENVIRONMENTAL IMPACT REPORT

Newell Creek Dam Inlet/Outlet Replacement Project



APRIL 2019



DUDEK

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NEWELL CREEK DAM INLET/OUTLET REPLACEMENT PROJECT

SCH NO. 2018062071

PREPARED FOR

CITY OF SANTA CRUZ WATER DEPARTMENT

PREPARED BY

DUDEK

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- A. Notice of Preparation (NOP) & NOP Comments
- B. Construction Phasing, Equipment Use and Trip Assumptions
- C. Environmental Evaluation Form for the State Water Resources Control Board
Drinking Water State Revolving Fund Application
THE FOLLOWING APPENDICES ARE AVAILABLE ONLINE OR ON CD
- D. Air Modeling Technical Data
- E. Noise Modeling Technical Data
- F. Biological Resources Reports
 - 1. Biological Resources Assessment
 - 2. Preliminary Jurisdictional Delineation
 - 3. California Red-Legged Frog Habitat Assessment
- G. Cultural Resources Reports
 - 1. Cultural Resources Report
 - 2. Historical Resources Evaluation Report
 - 3. Paleontological Resources Review

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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
ACOE	U.S. Army Corps of Engineers
af	acre-feet
AMBAG	Association of Monterey Bay Area Governments
AMSL	Above mean sea level
APE	Area of Potential Effects
AQMP	Air Quality Management Plan
BMP	Best Management Practice
CalEEMod	California Emission Estimator Model
CAL FIRE	California Department of Forestry and Fire Protection
Caltrans	California Department of Transportation
CARB	California Air Resource Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
cfs	cubic feet per second
City	City of Santa Cruz
CNDDDB	California Natural Diversity Database
CRLF	California Red-legged Frog
CWA	Clean Water Act
cy	cubic yards
db	decibel
dBA	A-weighted decibels
DSOD	California Department of Water Resources, Division of Safety of Dams
EPA	U.S. Environmental Protection Agency
FEMA	Federal Emergency Management Agency
GHWTP	Graham Hill Water Treatment Plan
GHG	Greenhouse gas
Leq	Equivalent sound level
mg	million gallons
MGD	Million gallons per day
MBTA	Migratory Bird Treaty Act
MBARD	Monterey Bay Air Resources District
NCD	Newell Creek Dam
NCP	Newell Creek Pipeline

Acronym/Abbreviation	Definition
NOAA Fisheries	U.S. National Oceanic and Atmospheric Administration Fisheries
OHWM	ordinary high water mark
pers. comm.	personal communication
Project	Newell Creek Dam Inlet-Outlet Replacement Project
Reservoir	Loch Lomond Reservoir
RWQCB	Regional Water Quality Control Board
SCWD	Santa Cruz Water Department
SWRCB	State Water Resources Control Board or State Water Board
SWPPP	Stormwater Pollution Prevention Plan
TPZ	Timberland Preserve Zone or Timberland Production Zone
USFWS	U.S. Fish and Wildlife Service