Natural Resources Management Plan

for Raw Water Distribution System
Operations and Maintenance Activities

Final Draft

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prepared by MWH

BUILDING A BETTER WORLD

US Army Corps of Engineers

PCWA

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ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/L	micrograms per liter
315BDD	Boardman Canal near Laird Pump, downstream
315BDU	Boardman Canal near Laird Pump, upstream
ACL	Administrative Civil Liability
ANTC3B	Antelope Creek watershed at Antelope Creek at Midas Avenue
ANTCA	Antelope Canal
ANTCR	Antelope Canal Outlet Release
ANTSTUBCR	Antelope Stub Canal near Antelope Canal
ARPS	American River Pump Station
AUBRAV3	Auburn Ravine below Auburn Ravine Tunnel outlet
Basin Plan	Water Quality Control Plan for the Sacramento and San Joaquin Rivers
BAUGHMANCR	Baughman Canal Outlet Release
Bay-Delta	San Francisco Bay/Sacramento-San Joaquin Delta
BCTRIB1	Tributary to Miners Ravine from Baughman Canal
B-IBI	benthic index of biotic integrity
BMI	benthic macroinvertebrate
BMP	best management practice
BO	Biological Opinion
BOARDMANCR	Boardman Canal Outlet Release
Ca^{2+}	calcium ion
$CaCO_3$	calcium carbonate
CARP	County Aquatic Resources Program
CCC	Criteria Continuous Concentration
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
cfs	cubic feet per second

Cl^-	chloride ion
CLVRC3	Clover Valley Creek at Midas Avenue
CLVRC3B	Clover Valley Creek near Argonaut Avenue
CLVRC6	Clover Valley Creek at Rawhide Road
CLVRESR	Clover Valley Reservoir Release to Clover Valley Creek and Antelope Canal
CMC	Criteria Maximum Concentration
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO_2	carbon dioxide
CTR	California Toxics Rule
CVCWA	Central Valley Clean Water Association
CWA	Clean Water Act
DCC	Dry Creek Conservancy
DFG	California Department of Fish and Game
DO	dissolved oxygen
DPR	Department of Pesticide Regulation
DWR	California Department of Water Resources
EFH	Essential Fish Habitat
EIR	environmental impact report
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
Fe^{2+}	iron
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FR	Federal Register
FRAP	California Department of Forestry and Fire Protection Fire and Resource Assessment Program
FRGCR	Ferguson Canal Outlet Release
FRGTRIB1	Tributary to Miners Ravine from Ferguson Canal
GIS	Geographic Information System
grams/year	grams per year

HANSENR	Hansen Outlet Release
HCO_3^-	bicarbonate ion
HCP	Habitat Conservation Plan
IBI	index of biotic integrity
K^+	potassium ion
MFP	Middle Fork Project
mg/L	milligrams per liter
Mg^{2+}	magnesium ion
$MgCl_2$	magnesium chloride
mgd	million gallons per day
MINERSRV3	Miners Ravine at North Sunrise Avenue
MINERSRV4	Miners Ravine at Auburn-Folsom Road
MINERSRV5	Miners Ravine at Moss Lane
MINERSRV6	Miners Ravine at Dick Cook Road
MINERSRV7	Miners Ravine at Lomida Lane
MND	Mitigated Negative Declaration
mS/cm	milliSiemens per centimeter
MS4	Municipal Separate Storm Sewer System Permits
msl	mean sea level
Na^+	sodium ion
NaCl	sodium chloride
NCCP	Natural Community Conservation Plan
ND	Negative Declaration
ND	No Date
NEPA	National Environmental Policy Act
NID	Nevada Irrigation District
NMFS	National Marine Fisheries Service
NOP	notice of preparation
NPDES	National Pollutant Discharge Elimination System
NPPA	California Native Plant Protection Act

NRMP	Natural Resources Management Plan
NTR	National Toxics Rule
NTU	nephelometric turbidity unit
O&M	operations and maintenance
OEHHA	Office of Environmental Health Hazard Assessment
PCCP	Placer County Conservation Plan
PCFCWCD	Placer County Flood Control and Water Conservation District
PCWA	Placer County Water Agency
PG&E	Pacific Gas and Electric
PO_4	orthophosphate
RWQCB	Regional Water Quality Control Board
SC	specific conductivity
SCWA	Sacramento County Water Agency
SECRETRV2	Secret Ravine at Roseville Parkway
SECRETRV3	Secret Ravine at Rocklin Road
SMD	Sewer Maintenance District
SO_4^{2-}	sulfate ion
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TBEE	butoxyethyl ester
TDS	total dissolved solids
TSS	total suspended solids
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA-NRCS	U.S. Department of Agriculture Natural Resource Conservation Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UV	ultraviolet
WDY	water delivery year

WHR	California Wildlife Habitat Relationship
WTP	water treatment plant
WWTP	wastewater treatment plant
YANKEECR	Yankee Hill Canal Outlet Release
YB	Yuba-Bear
YB145	Baughman Canal at the Head of Ferguson Canal
YB154	Boardman Canal at the Head of Turner Canal
YB69A	Boardman Canal at Lubeck Road
YB78	Boardman Canal at Powerhouse Road
YB81	Boardman Canal below Mammoth Reservoir
YB96	Boardman Canal below Lake Alta
YB145	Baughman Canal at the Head of Ferguson Canal
YB154	Boardman Canal at the Head of Turner Canal
YHTRIB2	Tributary to Secret Ravine from Yankee Hill Canal