

**FINAL**

**HATCHERY AND STOCKING PROGRAM  
ENVIRONMENTAL IMPACT REPORT/  
ENVIRONMENTAL IMPACT STATEMENT**

**STATE CLEARINGHOUSE #2008082025**

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# Acronyms and Abbreviations

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µmhos/cm	micromhos per centimeter
µS/cm	microsiemens per centimeter
AB	Assembly Bill
AB 32	Assembly Bill 32
ABMPs	aquatic biodiversity management plans
ACHP	Advisory Council on Historic Preservation
af/yr	acre-feet per year
AFR	Anadromous Fishery Restoration Program
AGR	Agricultural Supply
AHA	All H Analyzer
AIS	aquatic invasive species
AMELs	average monthly effluent limitations
AMP	adaptive management plan
AQUA	Aquaculture
ARPA	Archeological Resources Protection Act
ASL	above sea level
basin plans	water quality control plans
BAT	best available technology economically achievable
Bay Area	San Francisco Bay area
BCT	best control technology for conventional pollutants
Bd	Batrachochytrium dendrobatidis
bgs	below the ground surface
BIOL	Preservation of Biological Habitats of Special Significance
BLM	Bureau of Land Management
BMI	benthic macroinvertebrate
BMPs	best management practices
BO	biological opinion
Board	Board of Commissioners of Fisheries of California
BOD	biochemical oxygen demand
BPT	best practicable control technology currently available
BRT	Biological Review Team
BSL	below sea level
CAAP	concentrated aquatic animal production
CaCO <sub>3</sub>	calcium carbonate

CADC	California Aquaculture Disease Committee
CAEP	Classroom Aquarium Education Project
CCIC	Central California Information Center
CCR	California Code of Regulations
CCSE	Central Coast Salmon Enhancement, Inc.
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFCs	chlorinated fluorocarbons
CFGC	California Fish and Game Code
CH <sub>4</sub>	methane
CHRIS	California Historical Resources Information System
cm	centimeters
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalents
COLD	Cold Freshwater Habitat
COMM	Commercial and Sport Fishing
CR	Climate Registry
CRHR	California Register of Historical Resources
CTR	California Toxics Rule
CVM	Center for Veterinary Medicine
CWA	Clean Water Act
CWT	Coded-wire tag
DD	deferred decision
Delta	Sacramento–San Joaquin River Delta
DFG	California Department of Fish and Game
DMR	discharger monitoring report
DO	dissolved oxygen
DPH	California Department of Public Health
DPR's	California Department of Parks and Recreation's
DPS	distinctive population segment
DWR	California Department of Water Resources
EBMUD	East Bay Municipal Utility District
EC	electrical conductivity
EFH	essential fish habitat
EIC	Eastern Information Center
EIR/EIS	environmental impact report/environmental impact statement

EMT	Early Period/Middle Period Transition
EPA	Environmental Protection Agency
ERP	Ecosystem Restoration Program
ESA	Endangered Species Act
EST	Estuarine Habitat
ESU	evolutionarily significant unit
FC	federal candidate
FDA	Food and Drug Administration
FE	federal endangered
FERC	Federal Energy Regulatory Commission
FP	fully protected
FRSH	Freshwater Replenishment
FSoC	federal species of concern
FT	federal threatened
GHG	greenhouse gas
GIS	geographic information system
GWP	global warming potential
GWR	Ground Water Recharge
H <sub>2</sub> O <sub>2</sub>	hydrogen peroxide
HACCP	hazard analysis and critical control point
HCPs	habitat conservation plans
hereafter “ELG”	<i>Effluent Limitations Guidelines and New Source Performance Standards for the Concentrated Aquatic Animal Production Point Source Category</i>
HFCs	hydrofluorocarbons
HGMP	hatchery genetic management plan
HIFF	Hatchery and Inland Fisheries Fund
HML	high-mountain lake
HSRG	Hatchery Scientific Review Group
HSRP	hatchery scientific review panel
IHN	infectious haematopoietic necrosis
IHNV	infectious hematopoietic necrosis virus
INAD	investigational new animal drugs
IND	Industrial Service Supply
IPCC	International Panel on Climate Change
IPN	infectious pancreatic necrosis
IPNV	Infectious Pancreatic Necrosis Virus



IRIS	Integrated Risk Information System
IS	Initial Study
kg	kilograms
Km	kilometer
KMnO <sub>4</sub>	potassium permanganate
KMP	Klamath Mountains Province
kWh	kilowatt-hour
LADWP	Los Angeles Department of Water and Power
LEV	Low-Emission Vehicle
LHOs	low head oxygenators
LPG	liquid petroleum gas
LRP drugs	drugs of low regulatory priority
Magnuson-Stevens Act	Magnuson-Stevens Fishery Conservation and Management Act
MCA	Medieval Climatic Anomaly
MCL	maximum contaminant level
MDELS	maximum daily effluent limitations
mg	milligrams
mg/L	milligrams/liter
mgd	million gallons per day
MIGR	Migration of Aquatic Organisms
MnO <sub>2</sub>	manganese dioxide
MOA	memorandum of agreement
mpg	miles per gallon
MRP	monitoring and reporting program
msl	mean sea level
MT	metric tons
MTBE	methyl tertiary butyl ether
MUN	Municipal and Domestic Supply
MWh	megawatt hour
N	Nitrogen
N <sub>2</sub> O	nitrous oxide
NaCl	sodium chloride
NADA	new animal drug application
NAHC	California Native American Heritage Commission
NAS	National Academy of Sciences
NAV	Navigation
NCIC	North Central Information Center

ND	non-detect
NEIC	Northeast Information Center
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NH <sub>3</sub>	ammonia nitrogen
NHLs	National Historic Landmarks
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOC	Notice of Completion
NoCIC	North Coastal Information Center
NOEC	No Adverse Effect Concentration
NOEL	No Adverse Effect Level
NOI	notice of intent
NOP	Notice of Preparation
NOS	wild spawners
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRHP	National Register of Historic Places
NSPS	new source performance standards
NTR	National Toxics Rule
NTU	nephelometric turbidity unit
NWIC	Northwest Information Center
NZMS	New Zealand mud snail
O <sub>3</sub>	ozone
OHP	Office of Historic Preservation
OPR	Governor's Office of Planning and Research
P	phosphorus
PCBs	polychlorinated biphenyl compounds
PFCs	perfluorocarbons
PG&E	Pacific Gas and Electric Company
pHOS	proportion of hatchery origin spawners
PM	post mile
PNI	proportionate natural influence
pNOB	proportion of wild origin brood stock
Porter-Cologne Act	Porter-Cologne Water Quality Control Act of 1969
POW	Hydropower Generation

ppb	parts per billion
ppm	parts per million
ppt	parts per thousand
PRC	Public Resources Code
PRO	Industrial Process Supply
PSEP	pre-stocking evaluation protocol
p-TSA	para-toluenesulfonamide
RARE	Rare, Threatened, or Endangered Species
REC-1	Water Contact Recreation
REC-2	Non-contact Water Recreation
Reclamation	U.S. Bureau of Reclamation
RIT	Recovery Implementation Team
RMIS	Regional Mark Information System
ROD	record of decision
RWQCB	Regional Water Quality Control Board
RWQCBs	California Regional Water Quality Control Boards
SAV	submerged aquatic vegetation
SBAIC	San Bernardino Archaeological Information Center
SC	state candidate
SCCIC	South Central Coastal Information Center
SE	state endangered
SF6	sulfurhexafluoride
SFRA	Sport Fish Restoration Act
SHELL	Shellfish Harvesting
SHPO	state historic preservation officer
SIP	Statewide Implementation Plan
SONCC	southern Oregon/northern California coast
SPWN	Spawning, Reproductive, and/or Early Development
SSC	species of special concern
SSJVIC	Southern San Joaquin Valley Information Center
ST	state threatened
SWRCB	State Water Resources Control Board
TDS	total dissolved solids
THPO	tribal historic preservation officer
TMDL	total maximum daily load
TN	total nitrogen
TRT	Technical Recovery Team

Trust Fund	Sport Fish Restoration and Boating Trust Fund
TSO	time schedule order
TSS	total suspended solids
USACE	U.S. Army Corps of Engineers
USC	U.S. Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VHS	viral hemorrhagic septicemia
VMT	vehicle miles traveled
VSP	Viable Salmon Population
WARM	Warm Freshwater Habitat
WDRs	waste discharge requirements
WET	whole effluent toxicity
WILD	Wildlife Habitat
WPA	Work Projects Administration