Irrigated Lands Program

Existing Conditions Report

February 2006

Prepared For:

Central Valley Regional Water Quality Control Board
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Acronyms and Abbreviations

µg/L	micrograms per liter
µmhos/cm	micro-reciprocal ohms per centimeter
µS/cm	microSiemens per centimeter
1988 Plan	State Water Resources Control Board 1988 Nonpoint Source Management Plan
2,3,7,8-TCDD	2,3,7,8-Tetrachlorodibenzo-p-dioxin
AB3030	Assembly Bill 3030
ACET	2-amino-4-chloro-6-ethylamino-s-triazine
ACID	Anderson Cottonwood Irrigation District
AMA	Agricultural Management Assistance
ARMP	Aggregate Resource Management Plan
ASAR	adjusted sodium adsorption ratio
Basin Plans	water quality control plans
BDAT	Bay Delta and Tributaries Project
BLM	Bureau of Land Management
BMPs	best management practices
BOD	biochemical oxygen demand
BWGWD	Biggs West Gridley Water District
CACs	County Agricultural Commissioners
CalEPA	California Environmental Protection Agency
CBR	Chili Bar
CCC	criteria continuous concentration (chronic regulatory standard)
CCID	Central California Irrigation District
CCWD	Corning Canal Water District
CD	compact disc
CDEC	California Data Exchange Center
CDF	California Department of Forestry and Fire Protection
CDFA	California Department of Food and Agriculture
CDHS	California Department of Health Services
Central Valley Water Board	Central Valley Regional Water Quality Control Board
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFAC	California Food and Agricultural Code
cfs	cubic feet per second
CIMIS	California Irrigation Management and Information System
CMC	criterion maximum concentration (acute regulatory standard)
Corps	U.S. Army Corps of Engineers
CSD	Community Service District
CTR	California Toxics Rule
CUP	Conditional Use Permit
CURES	Coalition for Urban/Rural Environmental Stewardship
CVP	Central Valley Project
CVPIA	1992 Central Valley Project Improvement Act
CWA	federal Clean Water Act

CWHR	California Wildlife Habitat Relationships
CZARA	Coastal Zone Act Reauthorization Amendments of 1990
DACT	2,4-diamino-6-chloro-s-triazine
DBCP	1,2-dibromo-3-chloropropane
DDE	1, 1-dichloro-2,2'-bis-p-chlorophenyl-ethylene
DDT	1, 1, 1 -trichloro-2, 2'-bis-p-chlorophenyl-ethane
DEA	deethyl-atrazine
Delta	Sacramento–San Joaquin River Delta
DFG	California Department of Fish and Game
DHS	California Department of Health Services
DMC	Delta-Mendota Canal
DO	dissolved oxygen
DOC	dissolved organic carbon
DOI	U.S. Department of the Interior
DPR	California Department of Pesticide Regulation
DWEL	Drinking Water Equivalent Level
DWR	California Department of Water Resources
DWSC	Deep Water Ship Channel
EC	electrical conductivity
EIR	environmental impact report
EMS	Environmental Monitoring Section
EPA	U.S. Environmental Protection Agency
EQIP	Environmental Quality Incentive Program
ESA	federal Endangered Species Act of 1973, as amended
ESJWQC	East San Joaquin Water Quality Coalition
ESPP	Endangered Species Protection Program
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act, as amended
FRAP	Fire Resources Assessment Program
FREP	Fertilizer Research and Education Program
GAMA	Groundwater Ambient Monitoring Assessment
GIS	geographic information systems
gpm	gallons per minute
GWD	Grassland Water District
HA	Hydrologic Area (major tributaries)
HRs	Hydrologic Regions
HSA	Hydrologic Sub-Area
HU	Hydrologic Unit (major rivers)
IEP	Interagency Ecological Program
IPM	integrated pest management
IPM	integrated pest management
IRIS	Integrated Risk Information System
KRCD	Kings River Conservation District
LMMWC	Los Molinos Mutual Water Company
MAA	Management Agency Agreement
MCL	maximum contaminant level
MFAR	Middle Fork American River
mg/L	milligrams per liter
Mgd	million gallons per day
mi2	square miles
MID	Merced Irrigation District

MID	Modesto Irrigation District
mL/g	milliliters per gram
MPs	management practices
mS/cm	millisiemens per centimeter
MTBE	methy tertiary-butyl ether
NA	indicates that the particular type of criteria is not available
NAQWA	National Water Quality Assessment
NCWA	Northern CA Water Association
ND	non-detect
NEPA	National Environmental Policy Act
NFAR	North Fork American River
ng/L	nanograms per liter
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries	National Marine Fisheries Service
NPDES	National Pollutant Discharge Elimination System
NPS	nonpoint source
NPS Program Plan	State Water Resources Control Board January 2000 Plan for California's Nonpoint Source Pollution Control Program
NRCS	Natural Resources Conservation Service (formerly, Soil Conservation Service)
NWR	National Wildlife Refuge
OP	organophosphate
PCAs	Pest Control Advisors
PCBs	polychlorinated biphenyls
PCE	tetrachloroethylene, also known as perchloroethylene,
PG&E	Pacific Gas and Electric Company
pg/L	picograms per liter
PHG	public health goal
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
Ppb	parts per billion
ppm	parts per million
PUP	Pesticide Use Proposals
PWS	Planning Watershed
QAPP	quality assurance project plan
RBDD	Red Bluff Diversion Dam
RCD	Resource Conservation District
Reclamation	U.S Department of the Interior, Bureau of Reclamation
RM	river mile
ROWD	Report of Waste Discharge
RWA	Regional Water Authority
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SFAR	South Fork American River
SGA	Sacramento Groundwater Authority
SJRECWA	San Joaquin River Exchange Contractors Water Authority
SJVFS	San Joaquin Valley Floor Subwatershed
SNARL	suggested no adverse response levels for non-cancer toxicity (mercury SNARL concentration is total)
SPWS	Super Planning Watershed
SR	State Route
SS	suspended sediments

State Water Board	State Water Resources Control Board
SVFS	South Valley Floor Subwatershed
SVWQC	Sacramento Valley Water Quality Coalition
SWAMP	Surface Water Ambient Monitoring Program
SWP	State Water Project
TCC	Tehama Colusa Canal
TCCA	Tehama Colusa Canal Authority
TCE	trichloroethylene
TDS	total dissolved solids
THM	trihalomethane
TID	Turlock Irrigation District
TIE	toxicity identification evaluation
TMDLs	total maximum daily loads
TSS	total suspended solids
UFRW	Upper Feather River Watershed
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VADD	Vegetated Agricultural Drainage Ditches
VAMP	Vernalis Adaptive Management Plan
VOCs	volatile organic compounds
WA	Wildlife Area
WDRs	waste discharge requirements
WSDs	water storage districts
WSJVDA	Westside San Joaquin Valley Drainage Authority