

RECLAMATION

Managing Water in the West

Technical Memorandum

Salt and Nitrate Budget

**Westside Salt Assessment, California
Mid-Pacific Region**

**Attachment A
Water Quality Data Source Information**

FINAL



Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

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Abbreviations and Acronyms

BDAT	Bay Delta and Tributary
CDEC	California Data Exchange Center
CEDEN	California Environmental Data Exchange Network
CV RDC	Central Valley Regional Data Center
DFG	California Department of Fish and Game
DHS	California Department of Health Services
DMC	Delta-Mendota Canal
DO	dissolved oxygen
DPH	California Department of Public Health
DPR	California Department of Parks and Recreation
DWR	California Department of Water Resources
EDF	Electronic Deliverable Format
EPA	U.S. Environmental Protection Agency
ILRP	Irrigated Lands Regulatory Program
LLNL	Lawrence Livermore National Laboratory
LU	lookup table
MDL	minimum detection limit
MLML	Moss Landing Marine Laboratory
Reclamation	U.S. Department of the Interior, Bureau of Reclamation
SFEI	San Francisco Estuary Institute
SWAMP	Surface Water Ambient Monitoring Program
TMDL	Total Maximum Daily Load
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WARMF	Watershed Analysis Risk Management Framework
Water Board	Regional Water Quality Control Board
WDL	Water Data Library
WQ	Water Quality
WSWQC	Westside Water Quality Coalition

Attachment A

Water Quality Data Source Information

Introduction

The purpose of this document is to supply additional information regarding the compilation of water quality data including surface and ground water quality data and discrete and instantaneous data types. This document is supplementary to *Westside Salt Assessment, Technical Memorandum: Salt and Nitrate Budget* which summarized the water quality results and sources of data within the database.

Data Sources

The following sections describe the sources of monitoring data as well as the process for integrating both surface water quality and groundwater quality data into a single database.

Surface Water Quality

There are several surface water quality monitoring programs in the Study Area. Sources of surface water quality data include the Surface Water Ambient Monitoring Program (SWAMP), the Irrigated Lands Regulatory Program (ILRP), Grasslands Bypass Project, San Joaquin River dissolved oxygen (DO) Total Maximum Daily Load (TMDL), California Department of Water Resources (DWR), U.S. Geological Survey (USGS), and water/irrigation districts. Surface water quality monitoring programs and data sources used for this study are listed in Table 2-5. Locations of existing surface water quality monitoring stations identified for this study are shown in Figure 2-3 and Figure 2-4, from south to north.

A majority of the surface water quality data has already been compiled for simulations in the WARMF model and includes data from the San Joaquin River Atlas, the San Joaquin River DO TMDL studies, the California Data Exchange Center (CDEC), Central Valley Regional Water Quality Control Board (Water Board), Bay Delta and Tributary (BDAT) projects, and the ILRP.

Once the data sources and programs were identified, the following databases were used to query data:

- CDEC
- Grassland Bypass Project (San Francisco Estuary Institute, (SFEI))
- SWAMP
- Central Valley Regional Data Center (CV RDC)
- Westside Water Quality Coalition (WSWQC) Database
- Watershed Analysis Risk Management Framework (WARMF), Systech Water Resources, Inc)

California Data Exchange Center

Website: <http://cdec.water.ca.gov>

Provider: California Department of Water Resources, Division of Flood Management CDEC provides real-time and historic hydrologic data from a variety of agencies including DWR and U.S. Department of the Interior, Bureau of Reclamation (Reclamation). CDEC was queried for data from monitoring gauges within the Study Area for results between October 1999 and September 2007. All data from CDEC are real time data on an imported on a daily time step.

Project codes for CDEC data were created by combining the operator with CDEC. For example, CDEC-Reclamation is the project code for the project “Delta-Mendota Canal Monitoring Program”. Some results were obtained from the Water Data Library (WDL) hosted by CDEC (i.e., Check 13 (Delta-Mendota Canal (DMC) Milepost 70)).

Data were exported from CDEC and formatted to comparable codes for loading into the water quality database. Station names and latitude/longitudes were obtained from the station summaries available on CDEC. Any result that was a code rather than a number was not imported into the database. Some assumptions were made regarding fractions if they were not recorded. For orthophosphate it was assumed that the fraction was “dissolved”. In addition, to ensure comparability between data sets, when necessary results were converted to the units most commonly reported between data sets.

Grassland Bypass Project (SFEI)

Website: http://www.sfei.org/gbp/data_files

Provider: San Francisco Estuary Institute The Grassland Bypass Project was created to monitor impacts of the use of a portion of the San Luis Drain for conveyance of agricultural discharge. Collaborators include California Department of Fish and Game (DFG), Summers Engineering, Inc, U.S. Environmental Protection Agency (EPA), U.S. Fish and Wildlife Service (USFWS), San Luis & Delta-Mendota Water Authority, Reclamation, Central Valley Water Board and USGS.

Station names and latitude/longitudes were obtained from associated published reports available on SFEIs webpage. Data was downloaded from the SFEI webpage, formatted and uploaded into the water quality database. Prior to uploading, duplicate data was deleted by searching for records where the following information was exactly the same: station code, sample date, analyte name, fraction, unit, and result. Flow data for this project was uploaded into the database and any result that was negative was deleted. Any result that was not a number was deleted. Some results were recorded with the less than symbol (<); this was replaced by a negative sign and the detection limit. For example, if the result was recorded as <1 and the detection limit was 0.5, the result was updated to -0.5. Some temperature records were equal to or less than 0 and were deemed to inaccurate and therefore deleted. For boron, fraction was recorded. Based on the SFEI reports and the methods used, a fraction of “total” was assigned to this analyte for this study.

Surface Water Ambient Monitoring Project

Website: <http://swamp.mpsl.mlml.calstate.edu/>

Provider: Moss Landing Marine Laboratories (SWAMP data management team) SWAMP is a statewide program created to assess water quality in California’s streams, lakes, wetlands, estuaries, and coastal waters. SWAMP coordinates both State and Water Board monitoring and collaborates with various partner organizations. The data collected through SWAMP is managed by the Moss Landing Marine Laboratory (MLML) through the SWAMP Data Management Team. Data within the SWAMP database undergoes thorough quality control evaluation, coding and verification. Once data is deemed accurate, it is exported to the California Environmental Data Exchange Network (CEDEN) webpage (www.ceden.org).

A SWAMP database was retrieved from the MLML Data Management Team on April 19, 2010 and queried for data collected within the Study Area between October 1999 and September 2007.

Any data flagged with a code of “R- Rejected” or “NR – Not Recorded” was not loaded to the water quality database. If the result was null, the data was not loaded.

The StationCodes, StationNames and ProjectCodes recorded in the water quality database were retained from the SWAMP database. Data was exported from the SWAMP database, formatted and imported into the water quality database. Ammonia results that were recorded as NH₃ were converted to N to be comparable with a majority of the other project data. Electrical conductivity results (non standardized measurements of conductivity) were not imported since there were specific conductivity data available instead. In some cases the detection limit was not recorded (and therefore no numeric result was recorded). Rather than record the result as 0, a detection limit was assigned to the result based on detection limits of the same analyte analyzed on or near the same sample date. Table 2-1 lists the analytes where one or more result has an updated detection limit due to no detection limit being reported.

Table A-1. Swamp Database Analytes with No Detection Limit Reported

Analyte	Updated Detection Limit
Ammonia as Nitrogen, Total, mg/L	0.02
Biological Oxygen Demand, mg/L	2
Boron, Total, mg/L	0.05
Nitrate as N, mg/L	0.05
Nitrogen, Total Kjeldahl, mg/L	0.1
Orthophosphate as P, Dissolved, mg/L	0.01
Phosphorus as P, Total, mg/L	0.02
Suspended Solids, Total, mg/L	1
Total Organic Carbon, mg/L	0.02

Note:

An updated detection limit was assigned based on similar results for above analytes with one or more results that had no detection limit

Key:

mg/L = milligrams per liter

N = nitrogen

P = phosphorus

Central Valley Regional Data Center

Website: no official web page; some data is accessible through the CEDEN webpage (www.ceden.org)

Provider: Michael L. Johnson, LLC The Central Valley Regional Data Center (CV RDC, previously the UCD RDC) is one of four data centers that were created to manage data within comparable databases to simplify and improve access to California’s water resource monitoring data through CEDEN. Data managed by the CV RDC is comparable with all data on CEDEN including SWAMP data and uses the same analyte, fraction, unit, method, and quality insurance codes.

Data managed by the CV RDC includes the Ag Waiver Phase I and Phase II projects which were conducted in 2003 by UC Davis for the Central Valley Water Quality Control Board. Water and sediment monitoring were conducted across the Central Valley including the Westside region. Additional projects include the San Joaquin River Organophosphate TMDL and the Westside Coalition bacteria sourcing study (both projects collected specific conductivity data).

Data from the CV RDC access database were imported into the water quality database. When necessary, results were converted such that the associated results were comparable to data collected by a majority of the other programs within the database.

Westside Water Quality Coalition Database

Website: no official web page

Provider: Chris Linneman (Summers Engineering, Inc) The Westside Water Quality Coalition or Westside Coalition was developed to ensure grower compliance with the ILRP. The Westside Coalition monitoring program has been developed and run by Summers Engineering who has also developed a database to manage their water and sediment quality data.

The Westside Coalition database was obtained on CD from Summers Engineering and data was exported and formatted to be uploaded into the water quality database. Non-detect results that were recorded as “0” were updated to the negative of the detection limit for suspended solids, ammonia, nitrogen, nitrate and nitrite. In most cases a detection limit was supplied however in a few cases where there was no detection limit, the detection limit value of the same analyte analyzed on the same day by the same laboratory (or near the sample date) were applied. Table A-2 provides assumptions made.

Table A-2. Updated Westside Coalition Data Assigned Detection Limit Values

Analyte	Updated Result
Suspended Solids	-2
Ammonia (data from 2006-June 2008)	-0.04
Ammonia (data from July 2008-August 2008)	-0.05
Nitrogen, nitrate + nitrite	-0.04
Nitrate as N (data from October 2006-May 2007)	-0.006
Nitrate as N (data from June 2007-January 2008)	-0.01
Nitrite as N (data from October 2006-November 2006)	-0.003
Nitrite as N (data from April 2007-July 2007)	-0.002
Nitrite as N (data from August 2007-February 2008)	-0.004

When necessary, results were converted to ensure that units were consistent among the various projects within the water quality database. Some assumptions were made regarding fractions of the analytes including Ammonia as N (total), Orthophosphate as P (dissolved) and Phosphate as P (total).

Westside Continuous Data Compiled

Website: no official web page

Provider: Chris Linneman (Summers Engineering, Inc) Additional continuous data were obtained from Summers Engineering for irrigation district monitoring locations within the Grassland Bypass Project area.

Watershed Analysis Risk Management Framework

Website: http://www.systechengineering.com/Warmf_Home.html

Provider: Katie van Werkhoven (Systech Water Resources, Inc)

The WARMF water quality data were obtained and formatted into individual Microsoft Excel® spreadsheets. Data compiled by WARMF was obtained from a variety of sources mostly during the San Joaquin River Dissolved Oxygen TMDL work and overlaps with some of the data obtained from the various programs listed above. It was agreed to use the data directly from the data managers when available rather than the data stored in WARMF when there was an overlap. This occurred for data managed by the CV RDC, SWAMP and Westside Coalition. All data obtained from the WARMF water quality database have a project code starting with “WARMF” followed by a code to denote the program that originally generated the data. For example, WARMF-DO TMDL WQ Data 2005 refers to data collected for the San Joaquin River DO TMDL during 2005.

Due to the way data are stored by WARMF, times were exported from WARMF as text (the water quality database stored the times as a date/time format). To ensure that time was recorded (especially important with continuous data) the data were updated to the appropriate format. Any result recorded as -999 was discarded. Temperature results recorded as equal to or less than zero were assumed inaccurate and discarded.

The WARMF water quality database records non-detect data as half the detection limit. Since WARMF does not retain detection limit information it would be impossible to know which results were real values and which were below-detection limits. Therefore, WARMF data were left as half the detection limit for any non-detect results.

Ground Water Quality

GeoTracker GAMA

Website: http://www.swrcb.ca.gov/gama/geotracker_gama.shtml

Provider: State Water Resources Control Board GeoTracker GAMA includes groundwater data from State and Regional Water Boards, California Department of Public Health (DPH), California Department of Parks and Recreation (DPR), DWR, USGS and Lawrence Livermore National Laboratory (LLNL).

Groundwater data was obtained for the San Joaquin subbasins within the study area by downloading the data from the GeoTracker GAMA website, formatting and uploading into the water quality database. Project codes were assigned to groundwater data by combining GAMA with the data set source. For example, California Department of Health Services (DHS) data is associated with the project code "GAMA-DHS". Data obtained from state monitoring programs such as clean up funds are submitted to GeoTracker GAMA in a specific Electronic Deliverable Format and are labeled as "EDF" in the GAMA database. These wells are environmental monitoring wells and are associated with the project code "GAMA-EDF."

Wells that have the same station code but different latitude/longitude coordinates were updated with an "a", "b" or "c" at the end to differentiate the codes and were treated as two different wells. There were no names associated with the wells and therefore station name is the same as station code.

Water Quality Database Design

Water Quality Database Structure

The water quality database is a relational database designed in Microsoft Access and contains six tables – five lookup tables (LU) and one results table. Table composition and structure are described in the following paragraphs. Unique identifiers are used to create relationships between the tables in one-to-many relationships. This allows for detailed information to be stored in the LU tables and linked to the results (Figure A-1). Queries are created to retrieve the data as well as any additional LU information that is needed for analysis.

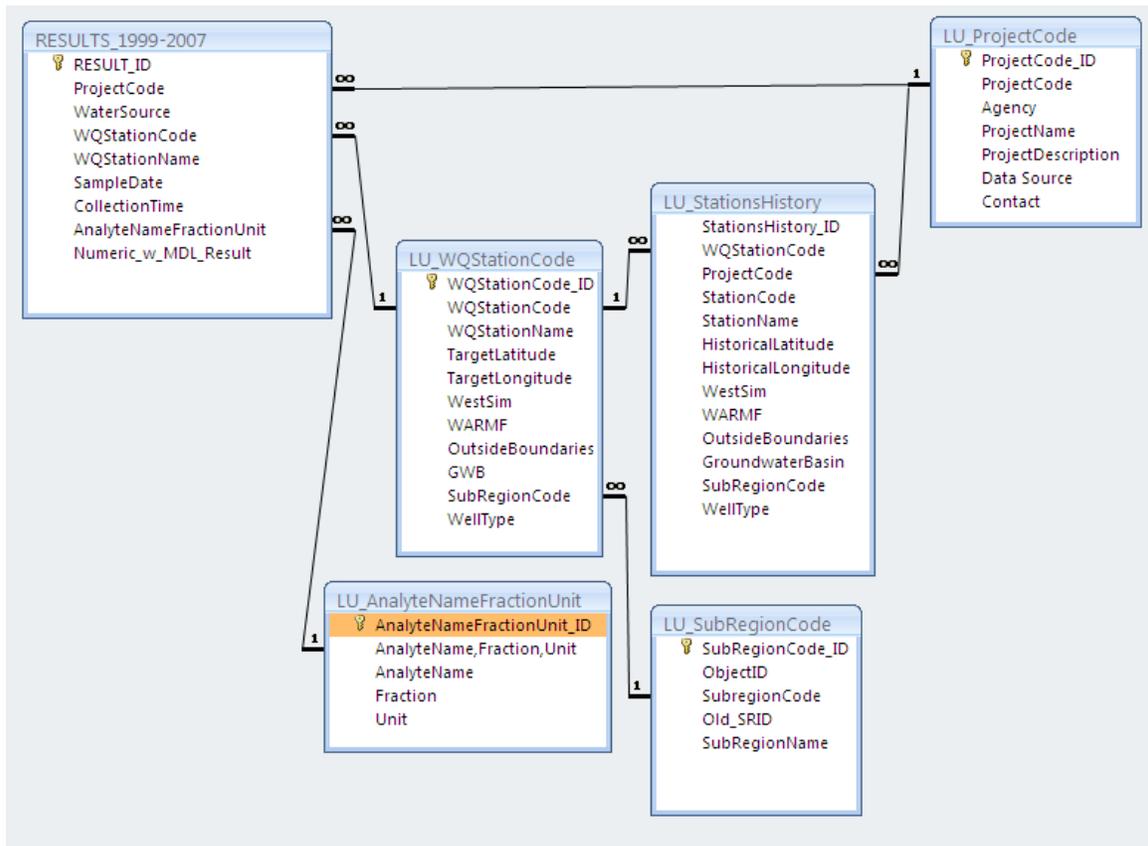


Figure A-1. Relational Diagram of Water Quality Database Tables

Tables and Relationships

RESULTS_1999-2007: results table; records all surface and groundwater quality data including some flow.

- RESULT_ID – unique identifier
- ProjectCode – identifies the source of the data by project; links to the LU_ProjectCode

- WaterSource – indicates if the sample is surface or groundwater
- WQStationCode – identifies the location of the sample; links to LU_WQStationCode
- SampleDate – date sample was collected
- CollectionTime – time sample was collected; if no time was recorded, 00:00 was recorded
- AnalyteNameFractionUnit – analyte name concatenated with a fraction (if recorded) and unit; links to LU_AnalyteNameFractionUnit
- Numeric_w_MDL_Result – numeric result (not text) with non detect results recorded as negative the minimum detection limit (MDL) except where noted (see project specific notes)

LU_AnalyteNameFractionUnit: lookup list which associates the water quality database AnalyteFractionUnit name with the separate components (i.e., analyte name, fraction name, unit name). Data obtained from the various sources came in a variety of formats where some assumptions were made regarding the fraction (see project specific notes). Fraction was only recorded if it was important to document in order to compare water quality results and would significantly affect the result. For example, it is important when reviewing metals data to know if the fraction is total or dissolved.

- AnalyteNameFractionUnit_ID – unique identifier
- AnalyteName,Fraction,Unit – unique combination of analyte, fraction and unit
- AnalyteName – associated analyte name
- FractionName – associated fraction name (i.e. dissolved, total)
- Unit – associated unit name; to aid in analysis of data, results were converted to a comparable unit for a specific analyte

LU_ProjectCode: lookup list which includes project information for each data result including where the data came from. In addition this table links to another LU table (LU_StationsHistory) to link the data results to the original station names where the sample was collected. In most cases the project code and name were directly from the data received. In cases where there was no associated project, a project name and code was assigned.

- ProjectCode_ID – unique identifier
- ProjectCode – project code to identify the project that the data was collected with; may be associated with specific sampling and quality assurance information.
- Agency – agency responsible for the data
- ProjectName – name of the project
- ProjectDescription – brief description of the project
- DataSource – actual source of data such as SWAMP Database or CDEC
- Contact – when possible, a name and agency that is associated with maintaining the data; if no person is identified a website is listed

LU_StationsHistory: lookup list that relates the WQStationCode with the original StationCode, StationName and ProjectCode from the original data. If more than one program monitored at the same location, generally the SWAMP and CV RDC station name and code were chosen. In some cases, stations were closely located and to aid in data comparability and analysis data were combined under one WQStationCode.

- StationsHistory_ID – unique identifier
- WQStationCode – unique station code associated with results in the WQ Database (see LU_WQStationCode)
- ProjectCode – project code (see ProjectCodeLU)
- StationCode - original station code
- StationName – original station name
- TargetLatitude – latitude coordinates
- TargetLongitude – longitude coordinates
- WestSim – yes or null; yes indicates that this location is within the WestSim boundary
- WARM F – yes or null; yes indicates that this location is within the WARMF boundary

- OutsideBoundaries – yes, null or descriptive note of location on border lines
- GroundwaterBasin – indicates the San Joaquin subbasin that the location is within
- SubRegionCode – refers to catchment area used by WestSim and WARMF models (see LU_SubRegion)
- WellType – environmental monitoring or water supply; n/a indicates a non-well location (i.e. surface water location)

LU_SubRegionCode: lookup list that includes catchment information developed for WestSim and WARMF modeling and is linked to the stations in LU_WQStationCode.

- SubRegionCode_ID – unique identifier
- ObjectID – reference column for internal GIS mapping
- SubregionCode – unique number used to identify catchment
- Old_SRID – old subregion code; kept for reference
- SubRegionName – name of unique catchment

LU_WQStationCode: lookup list that defines all Water Quality (WQ) Database station information include latitude/longitude and is linked to the LU_StationHistory and the Results_1999-2007 tables in addition to the LU_SubRegionCode.

- WQStationCode_ID – unique identifier
- WQStationCode – unique station code associated with water quality results (see Results_1999-2007)
- WQStationName- unique station name
- TargetLatitude – latitude coordinates
- TargetLongitude – longitude coordinates
- WestSim – yes or null; yes indicates that this location is within the WestSim boundary
- WARM F – yes or null; yes indicates that this location is within the WARMF boundary

- OutsideBoundaries – yes, null or descriptive note of location on border lines
- GroundwaterBasin – indicates the San Joaquin subbasin that the location is within
- SubRegionCode – refers to catchment area used by WestSim and WARMF models (see LU_SubRegion)
- WellType – environmental monitoring or water supply; n/a indicates a non-well location (i.e., surface water location)

Analyte Comparability

To aid in analysis of water quality data, a set list of analytes, fractions, and units were created and used to ensure comparability of the data. Generally, units were chosen based on the most common unit reported for a specific analyte. Results that were recorded in a different unit were converted to the water quality database unit. In addition some assumptions were made regarding fractions to ensure comparability. Table 3-1 lists the analyte, fraction, unit for the water quality database, and the associated analyte, fraction, unit originally reported for each project. Also recorded are the unit formula conversions when necessary.

Table A-3. Water Quality Database Analyte, Fraction and Unit Comparability List

Water Quality Database Analyte Name, Fraction, Unit	SFEI	SWAMP	CDEC	CV RDC	Westside Coalition	WARMF	GAMA	Conversion
Alkalinity as CaCO ₃ , mg/L		Alkalinity as CaCO ₃	Total Alkalinity	Alkalinity as CaCO ₃		Alkalinity (mg/L CaCO ₃)		
Aluminum, mg/L						Aluminum (mg/L)		
Ammonia as N, mg/L		Ammonia as N	Dissolved Ammonia	Ammonia as N	Ammonia (as N)	Ammonia (mg/L N)		
					Ammonia as N			
Ammonia as N, mg/L		Ammonia as NH ₃		Ammonia as NH ₃				NH ₃ result divided by 1.216
BOD, mg/L		BOD				Biochemical Oxygen Demand (mg/L)		
Boron, Dissolved, mg/L		Boron [Dissolved]	Dissolved Boron					
Boron, Total, mg/L	Boron	Boron [Total]		Boron [Total]	Boron [Total]			
Calcium, mg/L		Calcium	Dissolved Calcium			Calcium (mg/L)		
Chloride, mg/L		Chloride	Dissolved Chloride	Chloride		Chloride (mg/L)	Chloride	
Dissolved Organic Carbon, mg/L		Dissolved Organic Carbon	Dissolved Organic Carbon		Dissolved Organic Carbon (DOC)	Organic Carbon (mg/L)		
Dissolved Organic Carbon, mg/L					Dissolved Organic Carbon			
Dissolved Solids, Total, mg/L		Dissolved Solids	Total Dissolved Solids	Dissolved Solids	Dissolved Solids	Total Dissolved Solids (mg/L)		
Fluoresces/chlorop, fluoro			Fluoresces n rhodamine/chlorop (fluoro)					

Table A-3. Water Quality Database Analyte, Fraction and Unit Comparability List (contd.)

Water Quality Database Analyte Name, Fraction, Unit	SFEI	SWAMP	CDEC	CV RDC	Westside Coalition	WARMF	GAMA	Conversion
Flow, cfs	Flow				Flow	19MFLO		
					Discharge, cfs	Flow (cfs)		
Inorganic Carbon, mg/L						Inorganic Carbon (mg/L)		
Hardness as CaCO ₃ , mg/L		Hardness as CaCO ₃		Hardness as CaCO ₃	Hardness (as CaCO ₃)			
					Hardness as CaCO ₃			
Magnesium, mg/L		Magnesium	Dissolved Magnesium			Magnesium (mg/L)		
Nitrate + Nitrite as N, mg/L		Nitrate + Nitrite as N	Dissolved Nitrate + Nitrite	Nitrate + Nitrite as N	Nitrogen, Nitrate-Nitrite			
					Nitrate + Nitrite as N			
Nitrate as N, mg/L		Nitrate as N	Dissolved Nitrate		Nitrogen, Nitrate (as N)	Nitrate (mg/L N)	Nitrate as N	
					Nitrogen; Nitrate (as N)			
Nitrite as N, mg/L		Nitrite as N	Dissolved Nitrite	Nitrite as N	Nitrogen, Nitrite			
					Nitrogen; Nitrite			
Nitrogen, Total Kjeldahl, mg/L		Nitrogen, Total Kjeldahl	Total Kjeldahl Nitrogen		Nitrogen, Total Kjeldahl	Total Kjeldahl Nitrogen (mg/L)		
Nitrogen, Total, mg/L		Nitrogen, Total				Total Nitrogen (mg/L)		

Table A-3. Water Quality Database Analyte, Fraction and Unit Comparability List (contd.)

Water Quality Database Analyte Name, Fraction, Unit	SFEI	SWAMP	CDEC	CV RDC	Westside Coalition	WARMF	GAMA	Conversion
OrthoPhosphate as P, Dissolved, mg/L		OrthoPhosphate as P [Dissolved]	Dissolved Ortho-phosphate	OrthoPhosphate as P	Phosphate as P, Ortho dissolved	Phosphate (µg/L P)		
		OrthoPhosphate as P [Total]	Ortho-phosphate		OrthoPhosphate as P			
Oxygen, Dissolved, mg/L		Oxygen, Dissolved		Oxygen, Dissolved	DO	Dissolved Oxygen (mg/L)		
Periphyton as Chl-a, g/m2						MALG4		
pH, none	pH	pH	pH (none)	pH	pH (Std. Unit)	pH (S.U.)		
			pH		pH (unit)			
Phosphorus as P, mg/L		Phosphorus as P	Total Phosphorus	Phosphorus as P	Phosphate as P			
Phosphorus as P, mg/L						Total Phosphorous (µg/L)		Total P result times 1000
Phytoplankton as Chl-a, Total, µg/L						Total Phytoplankton (µg/L Chl-a)		
Potassium, mg/L		Potassium	Dissolved Potassium			Potassium (mg/L)		
Sodium, mg/L		Sodium	Dissolved Sodium			Sodium (mg/L)		

Table A-3. Water Quality Database Analyte, Fraction and Unit Comparability List (contd.)

Water Quality Database Analyte Name, Fraction, Unit	SFEI	SWAMP	CDEC	CV RDC	Westside Coalition	WARMF	GAMA	Conversion
Specific Conductivity, uS/cm	EC, μS/cm	Specific Conductivity	Electrical Conductivity Micro S (μs/cm)	Specific Conductivity	Conductivity - Specific (EC)	EC (conservative μS/cm)		
			Conductance (EC)		EC			
					Specific Conductivity			
Specific Conductivity, μS/cm			Electrical Conductivity Milli S (ms/cm)					EC result times 1000
Silica, mg/L						MSIO4		
Sulfate, mg/L		Sulfate	Dissolved Sulfate			Sulfate (mg/L)	Sulfate	
Suspended Sediment Concentration, mg/L		Suspended Sediment Concentration		Suspended Sediment Concentration				
Suspended Solids, Total, mg/L	TSS	Suspended Solids [Total]	Total Suspended Solids		Total Suspended (TSS)	Total Suspended Solids (mg/L)		
					Total Suspended Solids			
Suspended Solids, Volatile, mg/L		Suspended Solids [Volatile]	Volatile Suspended Solids		Suspended Solids			
Temperature, °C	Temp.	Temperature		Temperature	Temp			
Temperature, °C			Temp (°F)			Temperature (°F)		(5/9) times Temp F minus 32

Table A-3. Water Quality Database Analyte, Fraction and Unit Comparability List (contd.)

Water Quality Database Analyte Name, Fraction, Unit	SFEI	SWAMP	CDEC	CV RDC	Westside Coalition	WARMF	GAMA	Conversion
Total Organic Carbon, mg/L		Total Organic Carbon	Total Organic Carbon	Total Organic Carbon	Total Organic Carbon (TOC)	Total Organic Carbon (mg/L)		
					Total Organic Carbon			
Turbidity, NTU		Turbidity	Turb (NTU)					
			Turbidity					

Key:

- °C = degree Celsius
- °F = degree Fahrenheit
- µg/L = micrograms per liter
- µS/cm = microSiemens per centimeter
- CaCO₃ = calcium carbonate
- CDEC = California Data Exchange Center
- cfs = cubic feet per second
- Chl-a = chlorophyll A
- CV RDC = Central Valley Regional Data Center
- DO = dissolved oxygen
- DOC = dissolved organic carbon
- EC = electrical conductivity
- GAMA = Groundwater Ambient Monitoring and Assessment
- mg/L = milligrams per liter
- ms/cm = milliSiemens per centimeter
- N = nitrogen
- NTU = nephelometric turbidity unit
- P = phosphorus
- SFEI = San Francisco Estuary Institute
- SWAMP = Surface Water Ambient Monitoring Program
- TOC = Total Organic Carbon
- TSS = total suspended solids
- WARMF = Watershed Analysis Risk Management Framework

Station Comparability

To ensure station comparability between different projects and data sources, stations with the same geographical location (determined from latitude and longitude coordinates provided with the data) were combined under a single WQStationCode and WQStationName. Generally the SWAMP station code and name were used as the default since the SWAMP codes and names corresponded with both the Central Valley Regional Water Quality Control Board, the CV RDC and in most cases the Westside Coalition codes and names. In some situations the station name and coordinates were considered similar enough to warrant combining under one WQStationCode. The LU_StationHistory allows for reference to the original station name and code as determined by the original data source (Table 3-2).

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Agatha Canal at Mallard Road	541MER506	Grasslands-SFEI	Agatha Canal	StationK	36.9367	-120.7019
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0001	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0102	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0203	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0304	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0405	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0506	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0607	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0708	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0809	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY0910	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Agatha Canal at Mallard Road	541MER506	RWB5S_GB_FY9900	Agatha Canal at Mallard Road	541MER506	36.936667	-120.70194
Almond Drive Drain	541MER555	RWB5S_GB_FY9900	Almond Drive Drain	541MER555	36.998611	-120.81667
Blewett Drain at Highway 132	541XVH132	WSWQC	Blewett Drain at Highway 132	541XVH132	37.6399	-121.7799
Blewitt MWC Drain at Hwy 132	541STC531	RWB5S_SJRT_FY0405	Blewitt MWC Drain at Hwy 132	541STC531	37.64053	-121.22931
Blewitt MWC Drain at Hwy 132	541STC531	RWB5S_SJRT_FY0506	Blewitt MWC Drain at Hwy 132	541STC531	37.64053	-121.22931
Blewitt MWC Drain at Hwy 132	541STC531	RWB5S_SJRT_FY0607	Blewitt MWC Drain at Hwy 132	541STC531	37.64053	-121.22931
Blewitt MWC Drain at Hwy 132	541STC531	RWB5S_SJRT_FY0708	Blewitt MWC Drain at Hwy 132	541STC531	37.64053	-121.22931
Boundary Drain at Henry Miller Avenue	541XSSJ07	AGW_PhaseII	Boundary Drain at Henry Miller Ave	541XSSJ07	37.098838	-120.77777
Camp 13 Drain	541MER505	Grasslands-SFEI	Camp 13 Ditch	StationJ	36.9408	-120.7561
Camp 13 Drain	541MER505	RWB5S_GB_FY0001	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0102	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0203	Camp 13 Drain	541MER505	36.940833	-120.75611

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Camp 13 Drain	541MER505	RWB5S_GB_FY0304	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0405	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0506	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0607	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0708	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0809	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY0910	Camp 13 Drain	541MER505	36.940833	-120.75611
Camp 13 Drain	541MER505	RWB5S_GB_FY9900	Camp 13 Drain	541MER505	36.940833	-120.75611
Cantua Creek at South Stanislaus Avenue	551XXFT33	AGW_PhaseII	Cantua Creek at South Stanislaus Avenue	551XXFT33	36.428947	-120.33738
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0001	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0102	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0203	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0304	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0405	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0506	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0607	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0708	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0809	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY0910	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY9900	CCID Main at Russell Boulevard	541MER510	36.924444	-120.65306
CCID Main at Russell Boulevard	541MER510	RWB5S_GB_FY9900	Main (Firebaugh) Drain at Russell Boulevard	541MER556	36.924167	-120.65306
CCID Main Canal at JT Crow Road	541STC522	RWB5S_SJRT_FY0405	CCID Main Canal at JT Crow Road	541STC522	37.36778	-121.05088
CCID Main Canal at JT Crow Road	541STC522	RWB5S_SJRT_FY0506	CCID Main Canal at JT Crow Road	541STC522	37.36778	-121.05088
CCID Old Main Drain at Drop-North of Cotton Road	541MER564	RWB5S_GB_FY9900	CCID Old Main Drain at Drop-North of Cotton Road	541MER564	37.024167	-120.82694
CCID Old Main Drain at Pipe-North of Cotton Road	541MER565	RWB5S_GB_FY9900	CCID Old Main Drain at Pipe-North of Cotton Road	541MER565	37.024444	-120.82667
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0304	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0405	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0506	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0607	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0708	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0809	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY0910	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_GB_FY9900	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Charleston Drain at CCID Main	541MER502	RWB5S_SJRT_FY0203	Charleston Drain at CCID Main	541MER502	36.949722	-120.78194
Check 11 1/2	KA006633	CDEC-DWR	Check 11 1/2	KA006633	37.118333	-121.05719
Check 12	CAA-C12	CDEC-DWR	Check 12	CAA-C12	37.118	-121.058
Check 13 (DMC Milepost 70)	KA007089	CDEC-DWR	Check 13 (DMC Milepost 70)	KA007089	37.0742	-121.0151
Check 20 (DMC Milepost 111.3)	DMC-DM2	CDEC-USBR	Check 20 (DMC Milepost 111.3)	DMC-DM2	36.831	-120.433
Check 21 (DMC Milepost 116.5)	DMC-DM3	CDEC-USBR	Check 21 (DMC Milepost 116.5)	DMC-DM3	36.778	-120.374

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Del Puerto Creek at Rogers	541STC524	AGW_PhaseII	Del Puerto Creek at Rodgers	541XSED45	37.49936	-121.17761
Del Puerto Creek at Rogers	541STC524	RWB5S_SJRT_FY0405	Del Puerto Creek at Rogers	541STC524	37.49903	-121.17733
Del Puerto Creek at Frank Cox Road	541STC533	AGW_PhaseII	Del Puerto Creek at Frank Cox Road	541XSED44	37.5313	-121.13805
Del Puerto Creek at Highway 33	541XNSJ17	WSWQC	Del Puerto Creek at Highway 33	541XDPCHW	37.3474	-121.1596
Del Puerto Creek at intersection Hwy 33 and Mulberry Road	541STC523	AGW_PhaseII	Del Puerto Creek at intersection Hwy 33 and Mulberry Road	541XNSJ17	37.51421	-121.15875
Del Puerto Creek at intersection Hwy 33 and Mulberry Road	541STC523	RWB5S_SJRT_FY0405	Del Puerto Creek at Highway 33	541STC523	37.51382	-121.15986
Del Puerto Creek at intersection Hwy 33 and Mulberry Road	541STC523	RWB5S_SJRT_FY0506	Del Puerto Creek at Highway 33	541STC523	37.51382	-121.15986
Del Puerto Creek at intersection Hwy 33 and Mulberry Road	541STC523	WSWQC_BactSourceStudy	Del Puerto Creek at Highway 33	541STC523	37.51382	-121.15986
Del Puerto Creek at Vineyard Avenue	541STC516	AGW_PhaseII	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	AGW_PhaseII	Del Puerto Creek at Vineyard	541XSED43	37.5214	-121.14866
Del Puerto Creek at Vineyard Avenue	541STC516	RWB5S_SJRT_FY0001	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	RWB5S_SJRT_FY0102	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	RWB5S_SJRT_FY0203	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	RWB5S_SJRT_FY0304	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	RWB5S_SJRT_FY0405	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Del Puerto Creek at Vineyard Avenue	541STC516	RWB5S_SJRT_FY0506	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	TMDL_RB5	Del Puerto Creek at Vineyard Avenue	541STC516	37.521389	-121.14861
Del Puerto Creek at Vineyard Avenue	541STC516	WARMF-CDEC Historical Data	Del Puerto Creek at Vineyard Road	541STC516	37.5208	-121.149
Del Puerto Creek at Vineyard Avenue	541STC516	WARMF-CVRWQCB STC516	Del Puerto Creek at Vineyard Road	541STC516	37.5208	-121.149
Del Puerto Creek at Vineyard Avenue	541STC516	WARMF-DO TMDL WQ Data 2005	Del Puerto Creek at Vineyard Road	541STC516	37.5208	-121.149
Del Puerto Creek at Vineyard Avenue	541STC516	WARMF-DO TMDL WQ Data 2006	Del Puerto Creek at Vineyard Road	541STC516	37.5208	-121.149
Del Puerto Creek at Vineyard Avenue	541STC516	WARMF-DO TMDL WQ Data 2007	Del Puerto Creek at Vineyard Road	541STC516	37.5208	-121.149
Del Puerto Creek at Vineyard Avenue	541STC516	WARMF-USGS 11274653	Del Puerto Creek at Vineyard Road	541STC516	37.5208	-121.149
Del Puerto Creek at Zacharins Road	541DPCZR D	AGW_PhaseII	Del Puerto Creek at Zacharins Road	541XSED46	37.49394	-121.19386
Del Puerto Creek near Cox Road	541XDPCC R	AGW_PhaseII	Del Puerto Creek at Loquat #1	541XSED41	37.53856	-121.12389
Del Puerto Creek near Cox Road	541XDPCC R	AGW_PhaseII	Del Puerto Creek at Loquat #2	541XSED42	37.53876	-121.12363
Del Puerto Creek near Cox Road	541XDPCC R	WSWQC	Del Puerto Creek near Cox Road (2 miles east of "Decl Puerto Creek at Frank Cox Road)	541XDPCCR	37.5394	-121.1221
Del Puerto Creek near Cox Road	541XDPCC R	WSWQC_BactSourceStudy	Del Puerto Creek near Cox Road	541XDPCCR	37.5394	-121.1221
Delta Mendota Canal at DPWD	541XDMCD P	WSWQC	Delta Mendota Canal at DPWD	541XDMCDP	37.436778	-121.13335
DMC atMcCabe Rd	DMC06715	CDEC-DWR	DMC atMcCabe Road	DMC06715	37.1269	-121.0386
DMC atMcCabe Rd	DMC06715	CDEC-DWR	DMC atMcCabe Road	DMC06716	37.1269	-121.0386
Fresno Slough at Huntsman Avenue	551XXFT32	AGW_PhaseII	Fresno Slough at Huntsman Avenue	551XXFT32	36.580815	-120.20284

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Gadwall Ditch at SLD Discharge	541MER561	RWB5S_GB_FY9900	Gadwall Ditch at SLD Discharge	541MER561	37.03963	-120.77267
Grayson Road Drain at Grayson	541STC030	RWB5S_SJRT_FY0001	Grayson Road Drain at Grayson	541STC030	37.561944	-121.17417
Grayson Road Drain at Grayson	541STC030	RWB5S_SJRT_FY0102	Grayson Road Drain at Grayson	541STC030	37.561944	-121.17417
Grayson Road Drain at Grayson	541STC030	RWB5S_SJRT_FY0203	Grayson Road Drain at Grayson	541STC030	37.561944	-121.17417
Grayson Road Drain at Grayson	541STC030	RWB5S_SJRT_FY0304	Grayson Road Drain at Grayson	541STC030	37.561944	-121.17417
Grayson Road Drain at Grayson	541STC030	RWB5S_SJRT_FY0405	Grayson Road Drain at Grayson	541STC030	37.561944	-121.17417
Grayson Road Drain at Grayson	541STC030	RWB5S_SJRT_FY0506	Grayson Road Drain at Grayson	541STC030	37.561944	-121.17417
Hamburg Drain	541MER504	RWB5S_GB_FY9900	Hamburg Drain	541MER504	36.938889	-120.75722
Harvey Banks Delta Pumping	CAA-HBP	CDEC-DWR	Harvey Banks Delta Pumping	CAA-HBP	37.8019	-121.6203
Headworks	DMC-DMC	CDEC-DWR	Headworks	DMC-DMC	37.798	-121.623
Headworks	DMC-DMC	CDEC-USBR	Headworks	DMC-DMC	37.78	-121.588
Helm Canal	541MER507	RWB5S_GB_FY9900	Helm Canal	541MER507	36.934444	-120.685
Holland Drain at Hudson	541XSED26	AGW_PhaseII	Holland Drain at Hudson	541XSED26	36.92477	-120.5183
Hospital Creek at Highway 33	541STC529	RWB5S_SJRT_FY0405	Hospital Creek at Highway 33	541STC529	37.60419	-121.25913
Hospital Creek at Highway 33	541STC529	RWB5S_SJRT_FY0506	Hospital Creek at Highway 33	541STC529	37.60419	-121.25913
Hospital Creek at Road 33	541XSED12	AGW_PhaseII	Hospital Creek at Road 33	541XSED12	37.6123	-121.2597
Hospital Creek at River Road	541STC042	AGW_PhaseII	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Hospital Creek at River Road	541STC042	RWB5S_SJRT_FY0001	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Hospital Creek at River Road	541STC042	RWB5S_SJRT_FY0102	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Hospital Creek at River Road	541STC042	RWB5S_SJRT_FY0203	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Hospital Creek at River Road	541STC042	RWB5S_SJRT_FY0304	Hospital Creek at River Road	541STC042	37.610556	-121.22861

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Hospital Creek at River Road	541STC042	RWB5S_SJRT_FY0405	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Hospital Creek at River Road	541STC042	RWB5S_SJRT_FY0506	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Hospital Creek at River Road	541STC042	WARMF-CDEC Historical Data	Hospital Creek at River Road	541STC042	37.6105	-121.231
Hospital Creek at River Road	541STC042	WARMF-DO TMDL WQ Data 2005	Hospital Creek at River Road	541STC042	37.6105	-121.231
Hospital Creek at River Road	541STC042	WARMF-DO TMDL WQ Data 2006	Hospital Creek at River Road	541STC042	37.6105	-121.231
Hospital Creek at River Road	541STC042	WARMF-DO TMDL WQ Data 2007	Hospital Creek at River Road	541STC042	37.6105	-121.231
Hospital Creek at River Road	541STC042	WSWQC	Hospital Creek at River Road	541XHCARR	37.610472	-121.23078
Hospital Creek at River Road	541STC042	WSWQC_BactSourceSt udy	Hospital Creek at River Road	541STC042	37.610556	-121.22861
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0001	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0102	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0203	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0304	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0405	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0506	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0607	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0708	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0809	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY0910	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Inflow to San Luis Drain	541MER562	RWB5S_GB_FY9900	Inflow to San Luis Drain	541MER562	36.966111	-120.67111
Ingram Creek at Highway 33	541STC528	RWB5S_SJRT_FY0405	Ingram Creek at Highway 33	541STC528	37.58887	-121.24244
Ingram Creek at Highway 33	541STC528	RWB5S_SJRT_FY0506	Ingram Creek at Highway 33	541STC528	37.58887	-121.24244
Ingram Creek at River Road	541STC040	RWB5S_SJRT_FY0001	Ingram Creek at River Road	541STC040	37.600278	-121.22417

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Ingram Creek at River Road	541STC040	RWB5S_SJRT_FY0102	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Ingram Creek at River Road	541STC040	RWB5S_SJRT_FY0203	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Ingram Creek at River Road	541STC040	RWB5S_SJRT_FY0304	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Ingram Creek at River Road	541STC040	RWB5S_SJRT_FY0405	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Ingram Creek at River Road	541STC040	RWB5S_SJRT_FY0506	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Ingram Creek at River Road	541STC040	TMDL_RB5	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Ingram Creek at River Road	541STC040	WARMF-CDEC Historical Data	Ingram Creek at River Road	541STC040	37.6002	-121.225
Ingram Creek at River Road	541STC040	WARMF-DO TMDL WQ Data 2005	Ingram Creek at River Road	541STC040	37.6002	-121.225
Ingram Creek at River Road	541STC040	WARMF-DO TMDL WQ Data 2006	Ingram Creek at River Road	541STC040	37.6002	-121.225
Ingram Creek at River Road	541STC040	WARMF-DO TMDL WQ Data 2007	Ingram Creek at River Road	541STC040	37.6002	-121.225
Ingram Creek at River Road	541STC040	WSWQC	Ingram Creek at River Road	541XICARR	37.600222	-121.22506
Ingram Creek at River Road	541STC040	WSWQC_BactSourceSt udy	Ingram Creek at River Road	541STC040	37.600278	-121.22417
Island Field Drain at Katrina Rd	541XSSJ04	AGW_PhaseII	Island Field Drain at Katrina Road	541XSSJ04	37.061415	-120.57228
Juncture of Poso Drain and Pick Anderson Bypass	541XSED06	AGW_PhaseII	Juncture of Poso Drain and Pick Anderson Bypass	541XSED06	37.1406	-120.7072
Los Banos Creek	541PS0055	SWAMP_SB_PSA	Los Banos Creek	541PS0055	37.29825	-120.94811
Los Banos Creek at China Camp Road	541XLBCCC	WSWQC	Los Banos Creek at China Camp Road	541XLBCCC	37.1145	-120.8895
Los Banos Creek at China Camp Road	541XLBCCC	WSWQC_BactSourceSt udy	Los Banos Creek at China Camp Road	541XLBCCC	37.1145	-120.8895
Los Banos Creek at Highway 140	541MER554	RWB5S_GB_FY9900	Los Banos Creek at Highway 140	541MER554	37.276389	-120.95389
Los Banos Creek at Highway 140	541MER554	WARMF-Continuous Monitoring	Los Banos Creek at Highway 140	541MER554	37.2755	-120.955

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Los Banos Creek at Highway 140	541MER554	WARMF-DO TMDL WQ Data 2006	Los Banos Creek at Highway 140	541MER554	37.2755	-120.955
Los Banos Creek at Highway 140	541MER554	WARMF-SJR Data Atlas	Los Banos Creek at Highway 140	541MER554	37.2755	-120.955
Los Banos Creek at Highway 140	541MER554	WARMF-Task 4 March 06 Report	Los Banos Creek at Highway 140	541MER554	37.2755	-120.955
Los Banos Creek at Highway 140	541MER554	WSWQC	Los Banos Creek at Highway 140	541XLBCHW	37.2762	-120.9555
Los Banos Creek at Highway 140	541MER554	WSWQC_BactSourceStudy	Los Banos Creek at Highway 140	541MER554	37.276389	-120.95389
Los Banos Creek at Sunset Avenue	541XLBCSA	WSWQC	Los Banos Creek at Sunset Avenue	541XLBCSA	37.0275	-120.8898
Main Canal at Badger Flat Road	541XSSJ05	AGW_PhaseII	Main Canal at Badger Flat Road	541XSSJ05	37.0712	-120.8768
Marshall Road Drain near River Road	541XMRDRR	WARMF-DO TMDL WQ Data 2005	Marshall Road Drain nr River Road	541XMRDRR	37.4361	-121.036
Marshall Road Drain near River Road	541XMRDRR	WARMF-DO TMDL WQ Data 2006	Marshall Road Drain nr River Road	541XMRDRR	37.4361	-121.036
Marshall Road Drain near River Road	541XMRDRR	WSWQC	Marshall Road Drain near River Road	541XMRDRR	37.4363	-121.0362
Moran Drain	541MORDRN	WARMF-DO TMDL WQ Data 2005	Moran Drain	Moran Drain	37.43547	-121.03551
Moran Drain	541MORDRN	WARMF-DO TMDL WQ Data 2007	Moran Drain	Moran Drain	37.43547	-121.03551
Mud Slough (North) at Highway 140	541MER541	RWB5S_GB_FY9900	Mud Slough (North) at Highway 140	541MER541	37.291111	-120.94278
Mud Slough at Gun Club Road	541MER516	RWB5S_GB_FY0203	Mud Slough at Gun Club Road	541MER516	37.231389	-120.89833
Mud Slough at Gun Club Road	541MER516	RWB5S_GB_FY0405	Mud Slough at Gun Club Road	541MER516	37.231389	-120.89833
Mud Slough at Gun Club Road	541MER516	RWB5S_SJRT_FY0203	Mud Slough at Gun Club Road	541MER516	37.231389	-120.89833
Mud Slough at Gun Club Road	541MER516	RWB5S_SJRT_FY0405	Mud Slough at Gun Club Road	541MER516	37.231389	-120.89833
Mud Slough at Newman Gun Club	541MER551	RWB5S_GB_FY9900	Mud Slough at Newman Gun Club	541MER551	37.309167	-120.955

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Mud Slough at San Luis Drain	541MER542	Grasslands-SFEI	Mud Slough North downstream of drainage discharge	StationD	37.2625	-120.9056
Mud Slough at San Luis Drain	541MER542	RWB5_CVT_FY0809	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5_CVT_FY0910	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0001	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0102	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0203	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0304	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0405	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0506	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0607	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0708	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0809	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY0910	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_GB_FY9900	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0001	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0102	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0203	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0304	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0405	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0506	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0607	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0708	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0809	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	RWB5S_SJRT_FY0910	Mud Slough downstream of San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough at San Luis Drain	541MER542	WARMF-CDEC Historical Data	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-Continuous Monitoring	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-CVRWQCB MER542	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-DO TMDL WQ Data 2005	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-DO TMDL WQ Data 2006	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-DO TMDL WQ Data 2007	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-DWR - Mud SI at Hwy 140	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-DWR - MUD SLU NR STEVINSON	Mud Slough near Gustine	541MER542	37.2625	-120.906

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Mud Slough at San Luis Drain	541MER542	WARMF-SJR Data Atlas	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-Task 4 March 06 Report	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WARMF-USGS 11262900	Mud Slough near Gustine	541MER542	37.2625	-120.906
Mud Slough at San Luis Drain	541MER542	WSWQC	Mud Slough Upstream of San Luis Drain	541XMSUSL	37.2616	-120.9061
Mud Slough at San Luis Drain	541MER542	WSWQC_BactSourceStudy	Mud Slough at San Luis Drain	541MER542	37.263889	-120.90611
Mud Slough Upstream from SLD Terminus	541MER536	Grasslands-SFEI	Mud Slough North upstream from drainage discharge	StationC	37.2625	-120.9056
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0001	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0102	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0203	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0304	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0405	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0506	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0607	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0708	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0809	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY0910	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_GB_FY9900	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0001	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0102	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0203	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0304	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0405	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0506	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0607	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0708	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0809	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Mud Slough Upstream from SLD Terminus	541MER536	RWB5S_SJRT_FY0910	Mud Slough Upstream from SLD Terminus	541MER536	37.254167	-120.90694
Newman Wasteway above SJR	541MER544	RWB5S_GB_FY9900	SJR Upstream of the Newman Wasteway	535MER567	37.338056	-120.97028

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Newman Wasteway above SJR	541MER544	RWB5S_GB_FY9900	Newman Wasteway above SJR	541MER544	37.337778	-120.97167
Newman Wasteway at Brazo Road	541XNWABR	WARMF-DO TMDL WQ Data 2005	Newman Wasteway at Brazo Road	Newman Wasteway at Brazo Road	37.3038	-120.996
Newman Wasteway at Brazo Road	541XNWABR	WARMF-DO TMDL WQ Data 2006	Newman Wasteway at Brazo Road	Newman Wasteway at Brazo Road	37.3038	-120.996
Newman Wasteway at Brazo Road	541XNWABR	WARMF-Irrig. Lands Reg. Program	Newman Wasteway at Brazo Road	Newman Wasteway at Brazo Road	37.3038	-120.996
Newman Wasteway near Hills Ferry Road	541XNWHFR	WSWQC	Newman Wasteway near Hills Ferry Road	541XNWHFR	37.3204	-120.9834
Newman Wasteway near Hills Ferry Road	541XNWHFR	WSWQC_BactSourceStudy	Newman Wasteway near Hills Ferry Road	541XNWHFR	37.3204	-120.9834
Oneil Intake	DMC-ONI	CDEC-USBR	Oneil Intake	DMC-ONI	37.091	-121.036
Orestimba Creek at Anderson Road	541STC520	RWB5S_SJRT_FY0405	Orestimba Creek at Anderson Road	541STC520	37.36214	-121.06161
Orestimba Creek at Anderson Road	541STC520	RWB5S_SJRT_FY0506	Orestimba Creek at Anderson Road	541STC520	37.36214	-121.06161
Orestimba Creek at Bell Road	541STC517	RWB5S_SJRT_FY0405	Orestimba Creek at Bell Road	541STC517	37.33281	-121.10288
Orestimba Creek at Bell Road	541STC517	RWB5S_SJRT_FY0506	Orestimba Creek at Bell Road	541STC517	37.33281	-121.10288
Orestimba Creek at Highway 33	541STC519	RWB5S_GB_FY0405	Orestimba Creek at Highway 33	541STC519	37.37715	-121.05812
Orestimba Creek at Highway 33	541STC519	RWB5S_SJRT_FY0405	Orestimba Creek at Highway 33	541STC519	37.37715	-121.05812
Orestimba Creek at Highway 33	541STC519	RWB5S_SJRT_FY0506	Orestimba Creek at Highway 33	541STC519	37.37715	-121.05812
Orestimba Creek at Highway 33	541STC519	WSWQC	Orestimba Creek at Highway 33	541XOCAHW	37.3771	-121.0586
Orestimba Creek at Highway 33	541STC519	WSWQC_BactSourceStudy	Orestimba Creek at Highway 33	541STC519	37.37715	-121.05812

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Orestimba Creek at Orestimba Road	541STC521	RWB5S_SJRT_FY0405	Orestimba Creek at Orestimba Road	541STC521	37.31929	-121.12093
Orestimba Creek at Orestimba Road	541STC521	WARMF-SJR Data Atlas	Orestimba Creek near Newman	541STC521	37.3156	-121.124
Orestimba Creek at Orestimba Road	541STC521	WARMF-USGS 11274500	Orestimba Creek near Newman	541STC521	37.3156	-121.124
Orestimba Creek at River Road	541STC019	RWB5_CVT_FY0809	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5_CVT_FY0910	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_GB_FY0102	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_GB_FY0203	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_GB_FY0304	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_GB_FY0405	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_GB_FY0506	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_GB_FY0607	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0001	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0102	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0203	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0304	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0405	Orestimba Creek at River Road	541STC019	37.413889	-121.01417

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0506	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	RWB5S_SJRT_FY0607	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	TMDL_RB5	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at River Road	541STC019	WARMF-CDEC Historical Data	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WARMF-CVRWQCB STC019	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WARMF-DO TMDL WQ Data 2005	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WARMF-DO TMDL WQ Data 2006	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WARMF-DO TMDL WQ Data 2007	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WARMF-SJR Data Atlas	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WARMF-USGS 11274538	Orestimba Creek near Crows Landing	541STC019	37.4136	-121.015
Orestimba Creek at River Road	541STC019	WSWQC	Orestimba Creek at River Road	541XOCARR	37.4139	-121.0893
Orestimba Creek at River Road	541STC019	WSWQC_BactSourceStudy	Orestimba Creek at River Road	541STC019	37.413889	-121.01417
Orestimba Creek at Kilburn Road	541STC518	AGW_PhaseII	Orestimba Creek at Kilburn Road	541XNSJ18	37.399181	-121.03168
Orestimba Creek at Kilburn Road	541STC518	RWB5S_SJRT_FY0405	Orestimba Creek at Kilburn	541STC518	37.39925	-121.03245
Orestimba Creek at Kilburn Road	541STC518	RWB5S_SJRT_FY0506	Orestimba Creek at Kilburn	541STC518	37.39925	-121.03245
Orestimba Creek at Kilburn Road	541STC518	TMDL_RB5	Orestimba Creek at Kilburn	541STC518	37.39925	-121.03245

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Panoche Drain at O'Banion Gauging Station	541MER501	RWB5S_GB_FY9900	Panoche Drain at O'Banion Gauging Station	541MER501	36.924167	-120.68861
Porter-Blake Bypass	541MER548	RWB5S_GB_FY9900	Porter-Blake Bypass	541MER548	37.099444	-120.82083
Poso Drain at NE corner of Turner Island and Palazzo Road	541XSSJ08	AGW_PhaseII	Poso Drain at NE corner of Turner Island and Palazzo Road	541XSSJ08	37.128538	-120.70565
PoSo Slough at Hudson	541XSED25	AGW_PhaseII	PoSo Slough at Hudson	541XSED25	36.97646	-120.54536
Poso Slough at Eucalyptus	541FSED25	AGW_PhaseII	Poso Slough at Eucalyptus	541FSED25	37.01076	-120.60405
Poso Slough at Evans	541ESED25	AGW_PhaseII	Poso Slough at Evans	541ESED25	36.99539	-120.57233
Poso Slough at Indiana Ave	541XPSAIA	WSWQC	Poso Slough at Indiana Ave	541XPSAIA	37.0062	-120.5996
Poso Slough at Merrill	541BSED25	AGW_PhaseII	Poso Slough at Merrill	541BSED25	36.95242	-120.51951
Poso Slough at Newcomb	541CSED25	AGW_PhaseII	Poso Slough at Newcomb	541CSED25	36.95096	-120.50906
Poso Slough at Shain	541ASED25	AGW_PhaseII	Poso Slough at Shain	541ASED25	36.97421	-120.54295
Poso Slough at Valeria	541DSED25	AGW_PhaseII	Poso Slough at Valeria	541DSED25	36.98164	-120.55665
Ramona Lake near Fig Avenue	541XROLFA	WSWQC	Ramona Lake near Fig Avenue	541XROLFA	37.4788	-121.0684
Ramona Lake near Fig Avenue	541XROLFA	WSWQC	Ramona Lake at Levee	541XROLFA	37.4788	-121.0684
Ramona Lake near Fig Avenue	541XROLFA	WSWQC_BactSourceStudy	Ramona Lake near Fig Avenue	541XROLFA	37.4788	-121.0684
Rice Drain at Mallard Road	541MER509	RWB5S_GB_FY9900	Rice Drain at Mallard Road	541MER509	36.988889	-120.70389
Salado Creek at Oak Flat Road	541STC532	RWB5S_SJRT_FY0405	Salado Creek at Oak Flat Road	541STC532	37.42096	-121.15592

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Salado Creek at Oak Flat Road	541STC532	RWB5S_SJRT_FY0506	Salado Creek at Oak Flat Road	541STC532	37.42096	-121.15592
Salado Creek at Highway 33	541STC515	RWB5S_SJRT_FY0001	Salado Creek at Highway 33	541STC515	37.481389	-121.13556
Salado Creek at Highway 33	541STC515	RWB5S_SJRT_FY0102	Salado Creek at Highway 33	541STC515	37.481389	-121.13556
Salado Creek at Highway 33	541STC515	RWB5S_SJRT_FY0203	Salado Creek at Highway 33	541STC515	37.481389	-121.13556
Salado Creek at Highway 33	541STC515	RWB5S_SJRT_FY0304	Salado Creek at Highway 33	541STC515	37.481389	-121.13556
Salado Creek at Highway 33	541STC515	RWB5S_SJRT_FY0405	Salado Creek at Highway 33	541STC515	37.481389	-121.13556
Salado Creek at Highway 33	541STC515	RWB5S_SJRT_FY0506	Salado Creek at Highway 33	541STC515	37.481389	-121.13556
Salado Creek at Highway 33	541STC515	WARMF-BDAT Project 541STC515	Salado Creek at Highway 33	541STC515	37.4816	-121.135
Salado Creek at Highway 33	541STC515	WARMF-CVRWQCB STC515	Salado Creek at Highway 33	541STC515	37.4816	-121.135
Salado Creek at Highway 33	541STC515	WARMF-DO TMDL WQ Data 2007	Salado Creek at Highway 33	541STC515	37.4816	-121.135
Salado Creek near Olive Avenue	541XSCOA V	WSWQC	Salado Creek near Olive Avenue	541XSCOAV	37.5076	-121.0885
Salado Creek near Olive Avenue	541XSCOA V	WSWQC_BactSourceStudy	Salado Creek near Olive Avenue	541XSCOAV	37.5076	-121.0885
Salt Slough at Hereford Road	541MER528	RWB5S_GB_FY9900	Salt Slough at Hereford Road	541MER528	37.141667	-120.75472
Salt Slough at Lander Avenue	541MER531	Grasslands-SFEI	Salt Slough at Lander Avenue / Highway 165	StationF	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0001	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0102	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0203	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0304	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0405	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0506	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0607	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0708	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0809	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY0910	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_GB_FY9900	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0001	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0102	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0203	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0304	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0405	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0506	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0607	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0708	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0809	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	RWB5S_SJRT_FY0910	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Lander Avenue	541MER531	WARMF-CDEC Historical Data	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-Continuous Monitoring	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-CVRWQCB MER531	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-DO TMDL WQ Data 2005	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-DO TMDL WQ Data 2006	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-DO TMDL WQ Data 2007	Salt Slough at Highway 165	541MER531	37.248	-120.851

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Salt Slough at Lander Avenue	541MER531	WARMF-DWR - SALT SLU A HWY 165 N	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-SJR Data Atlas	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WARMF-USGS 11261100	Salt Slough at Highway 165	541MER531	37.248	-120.851
Salt Slough at Lander Avenue	541MER531	WSWQC	Salt Slough at Lander Ave	541XSSALA	37.2479	-120.8522
Salt Slough at Lander Avenue	541MER531	WSWQC_BactSourceStudy	Salt Slough at Lander Avenue	541MER531	37.248611	-120.85111
Salt Slough at Sand Dam	541XSSASD	WSWQC	Salt Slough at Sand Dam	541XSSASD	37.1366	-120.7619
Salt Slough at Sand Dam	541XSSASD	WSWQC_BactSourceStudy	Salt Slough at Sand Dam	541XSSASD	37.1366	-120.7619
San Joaquin at Laird Park	535STC511	WARMF-BDAT Project 373324121090401	San Joaquin at Laird Park	San Joaquin at Laird Park	37.5595	-121.153
San Joaquin at Laird Park	535STC511	WARMF-DO TMDL WQ Data 2005	San Joaquin at Laird Park	San Joaquin at Laird Park	37.5595	-121.153
San Joaquin at Laird Park	535STC511	WARMF-DO TMDL WQ Data 2006	San Joaquin at Laird Park	San Joaquin at Laird Park	37.5595	-121.153
SJR at Laird Park	535STC511	WARMF-Task 4 March 06 Report	San Joaquin at Laird Park	San Joaquin at Laird Park	37.5595	-121.153
SJR at Crows Landing	535STC504	Grasslands-SFEI	SJR at Crow's Landing	StationN	37.4319	-121.0117
SJR at Crows Landing	535STC504	Grasslands-USBR	SJR at Crow's Landing	StationN	37.4319	-121.0117
SJR at Crows Landing	535STC504	RWB5_CVT_FY0809	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5_CVT_FY0910	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0001	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0102	SJR at Crows Landing	535STC504	37.43323	-121.01597

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Crows Landing	535STC504	RWB5S_GB_FY0203	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0304	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0405	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0506	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0607	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0708	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0809	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY0910	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_GB_FY9900	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0001	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0102	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0203	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0304	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0405	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0506	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0607	SJR at Crows Landing	535STC504	37.43323	-121.01597

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0708	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0809	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	RWB5S_SJRT_FY0910	SJR at Crows Landing	535STC504	37.43323	-121.01597
SJR at Crows Landing	535STC504	TMDL_RB5	SJR at Crows Landing	535STC504	37.431944	-121.01167
SJR at Crows Landing	535STC504	WARMF-CDEC Historical Data	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-Continuous Monitoring	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-CVRWQCB STC504	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-DO TMDL WQ Data 2005	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-DO TMDL WQ Data 2006	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-DO TMDL WQ Data 2007	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-SJR Data Atlas	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Crows Landing	535STC504	WARMF-USGS 11274550	SJR at Crows Landing	535STC504	37.4319	-121.013
SJR at Fremont Ford	541MER538	Grasslands-SFEI	SJR at Fremont Ford	StationG	37.3094	-120.9292
SJR at Fremont Ford	541MER538	WARMF-CVRWQCB STC538	SJR at Fremont Ford	541MER538	37.31	-120.93
SJR at Fremont Ford	541MER538	WARMF-DO TMDL WQ Data 2005	SJR at Fremont Ford	541MER538	37.31	-120.93
SJR at Fremont Ford	541MER538	WARMF-DO TMDL WQ Data 2006	SJR at Fremont Ford	541MER538	37.31	-120.93
SJR at Fremont Ford	541MER538	WARMF-DO TMDL WQ Data 2007	SJR at Fremont Ford	541MER538	37.31	-120.93
SJR at Fremont Ford	541MER538	WARMF-SJR Data Atlas	SJR at Fremont Ford	541MER538	37.31	-120.93

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Fremont Ford	541MER538	WARMF-USGS 11261500	SJR at Fremont Ford	541MER538	37.31	-120.93
SJR at Lander Avenue	541XSJRLA	WARMF-CDEC Historical Data	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-Continuous Monitoring	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-DO TMDL WQ Data 2005	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-DO TMDL WQ Data 2006	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-DO TMDL WQ Data 2007	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-DWR - SAN JOAQUIN R NR STE	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-DWR - SJRat Highway 165	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-not specified	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-SJR Data Atlas	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WARMF-USGS 11260815	SJR near Stevinson	541XSJRLA	37.295	-120.851
SJR at Lander Avenue	541XSJRLA	WSWQC	SJR at Lander Ave	541XSJRLA	37.2951	-120.8514
SJR at Newman	541MER569	WARMF-BDAT Project 11274000	SJR at Newman	SJR at Newman	37.3506	-120.976
SJR at Newman	541MER569	WARMF-SJR Data Atlas	SJR at Newman	SJR at Newman	37.3506	-120.976

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at PID Pumps	541XSJRPP	WSWQC	SJR at PID Pumps	541XSJRPP	37.4972	-121.0828
SJR at Sack Dam	541XSJRSD	RWB5S_GB_FY0203	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_GB_FY0405	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_GB_FY0506	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_SJRT_FY0001	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_SJRT_FY0102	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_SJRT_FY0203	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_SJRT_FY0304	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_SJRT_FY0405	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	RWB5S_SJRT_FY0506	SJR at Sack Dam	541MAD007	36.983611	-120.50028
SJR at Sack Dam	541XSJRSD	WARMF-BDAT Project 541MAD007	San Joaquin at Sack Dam	541XSJRSD	36.9836	-120.5
SJR at Sack Dam	541XSJRSD	WSWQC	SJR at Sack Dam	541XSJRSD	36.9835	-120.5005
SJR at Vernalis	535LSAC01	SWAMP_RB5L	SJR at Vernalis	535LSAC01	37.6413	-121.22915
SJR at Vernalis	535LSAC01	WARMF-BDAT Project C10A	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-BDAT Project CDEC-VNS	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-Continous Monitoring	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-DO TMDL WQ Data 2005	San Joaquin at Vernalis	535LSAC01	37.667	-121.267

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Vernalis	535LSAC01	WARMF-DO TMDL WQ Data 2006	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-DO TMDL WQ Data 2007	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-DWR - VERNALIS	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-SJR Data Atlas	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-Task 8 Report / SJR 1	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at Vernalis	535LSAC01	WARMF-USGS 11303500	San Joaquin at Vernalis	535LSAC01	37.667	-121.267
SJR at WSID Pumps	541XSJWSP	WARMF-not specified	SJR at WSID Pumps	541XSJWSP	37.5847	-121.2
SJR at WSID Pumps	541XSJWSP	WSWQC	SJR at WSID Pumps	541XSJWSP	37.584722	-121.20021
San Luis Canal at Henry Miller Road	541MER532	RWB5S_GB_FY9900	San Luis Canal at Henry Miller Road	541MER532	37.128889	-120.82056
San Luis Canal Upstream of Splits	541MER563	Grasslands-SFEI	San Luis Canal at splits	StationL	37.0916	-120.823
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0001	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0102	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0203	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0304	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0405	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0506	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0607	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0708	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0809	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY0910	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
San Luis Canal Upstream of Splits	541MER563	RWB5S_GB_FY9900	San Luis Canal Upstream of Splits	541MER563	37.091667	-120.82306
SLD at Terminus	541MER535	Grasslands-SFEI	discharge from SLD	StationB	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0001	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0102	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0203	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0304	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0405	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0506	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0607	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0708	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0809	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY0910	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_GB_FY9900	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0001	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0102	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0203	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0304	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0405	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0506	SLD at Terminus	541MER535	37.259444	-120.90389

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SLD at Terminus	541MER535	RWB5S_SJRT_FY0607	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0708	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0809	SLD at Terminus	541MER535	37.259444	-120.90389
SLD at Terminus	541MER535	RWB5S_SJRT_FY0910	SLD at Terminus	541MER535	37.259444	-120.90389
SLD Site A	SJRDO-049	Grasslands-SFEI	inflow to SLD	StationA	37.0561	-120.7877
SLD Site A	SJRDO-049	Grasslands-USBR	inflow to SLD	StationA	37.0561	-120.7877
Santa Fe Canal at Henry Miller Road	541MER519	RWB5S_GB_FY9900	Santa Fe Canal at Henry Miller Road	541MER519	37.099722	-120.82889
Santa Fe Canal at Weir	541MER545	Grasslands-SFEI	Santa Fe Canal at weir	StationM	37.0988	-120.8266
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0001	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0102	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0203	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0304	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0405	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0506	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0607	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0708	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0809	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY0910	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Fe Canal at Weir	541MER545	RWB5S_GB_FY9900	Santa Fe Canal at Weir	541MER545	37.098889	-120.82667
Santa Rita Slough at Highway 152	541MER015	RWB5S_SJRT_FY0001	Santa Rita Slough at Highway 152	541MER015	37.0475	-120.59361
Santa Rita Slough at Highway 152	541MER015	RWB5S_SJRT_FY0102	Santa Rita Slough at Highway 152	541MER015	37.0475	-120.59361
SJR at Airport Way	541SJC501	RWB5_CVT_FY0809	SJR at Airport Way	541SJC501	37.675556	-121.26417

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Airport Way	541SJC501	RWB5_CVT_FY0910	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0001	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0102	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0203	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0304	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0405	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0506	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0607	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0708	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0809	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY0910	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_GB_FY9900	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0001	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0102	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0203	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0304	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0405	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0506	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0607	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0708	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0809	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	RWB5S_SJRT_FY0910	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Airport Way	541SJC501	TMDL_RB5	SJR at Airport Way	541SJC501	37.675556	-121.26417
SJR at Hills Ferry	541STC512	Grasslands-SFEI	San Joaquin River at Hills Ferry	StationH	37.33763	-120.97068

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Hills Ferry	541STC512	RWB5S_GB_FY0203	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_GB_FY0304	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_GB_FY0405	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_GB_FY0506	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_GB_FY0607	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_GB_FY0708	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_GB_FY9900	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0001	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0102	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0203	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0304	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0405	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0506	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0607	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	RWB5S_SJRT_FY0708	SJR at Hills Ferry	541STC512	37.3425	-120.97722
SJR at Hills Ferry	541STC512	WARMF-BDAT Project 372006120571701	San Joaquin River upstream from the Merced River	541STC512	37.3331	-120.955
SJR at Hills Ferry	541STC512	WARMF-CVRWQCB STC512	San Joaquin River upstream from the Merced River	541STC512	37.3331	-120.955
SJR at Maze	541STC510	RWB5S_GB_FY0001	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0102	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0203	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0304	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0405	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0506	SJR at Maze	541STC510	37.641944	-121.22778

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Maze	541STC510	RWB5S_GB_FY0607	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0708	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0809	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY0910	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_GB_FY9900	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0001	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0102	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0203	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0304	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0405	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0506	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0607	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0708	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0809	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	RWB5S_SJRT_FY0910	SJR at Maze	541STC510	37.641944	-121.22778
SJR at Maze	541STC510	WARMF-Continuous Monitoring	San Joaquin at Maze Road	541STC510	37.64	-121.228
SJR at Maze	541STC510	WARMF-DO TMDL WQ Data 2005	San Joaquin at Maze Road	541STC510	37.64	-121.228
SJR at Maze	541STC510	WARMF-DO TMDL WQ Data 2006	San Joaquin at Maze Road	541STC510	37.64	-121.228
SJR at Maze	541STC510	WARMF-DO TMDL WQ Data 2007	San Joaquin at Maze Road	541STC510	37.64	-121.228
SJR at Maze	541STC510	WARMF-DWR - Station MAZE	San Joaquin at Maze Road	541STC510	37.64	-121.228
SJR at Maze	541STC510	WARMF-SJR Data Atlas	San Joaquin at Maze Road	541STC510	37.64	-121.228

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Patterson	541STC507	RWB5S_GB_FY0001	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0102	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0203	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0304	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0405	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0506	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0607	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0708	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0809	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY0910	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_GB_FY9900	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0001	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0102	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0203	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0304	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0405	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0506	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0607	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0708	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0809	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	RWB5S_SJRT_FY0910	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	TMDL_RB5	SJR at Patterson	541STC507	37.497778	-121.08167
SJR at Patterson	541STC507	WARMF-BDAT Project 11274570	San Joaquin at Patterson	541STC507	37.494	-121.081

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
SJR at Patterson	541STC507	WARMF-CDEC Historical Data	San Joaquin at Patterson	541STC507	37.494	-121.081
SJR at Patterson	541STC507	WARMF-Continuous Monitoring	San Joaquin at Patterson	541STC507	37.494	-121.081
SJR at Patterson	541STC507	WARMF-DO TMDL WQ Data 2005	San Joaquin at Patterson	541STC507	37.494	-121.081
SJR at Patterson	541STC507	WARMF-DO TMDL WQ Data 2006	San Joaquin at Patterson	541STC507	37.494	-121.081
SJR at Patterson	541STC507	WARMF-DO TMDL WQ Data 2007	San Joaquin at Patterson	541STC507	37.494	-121.081
SJR at Patterson	541STC507	WARMF-SJDOTMDL DO71	San Joaquin at Patterson	541STC507	37.494	-121.081
SJR at Patterson	541STC507	WARMF-SJR Data Atlas	San Joaquin at Patterson	541STC507	37.494	-121.081
Spanish Grant Drain	541SPNDR N	WARMF-DO TMDL WQ Data 2005	Spanish Grant Drain	Spanish Grant Drain	37.43576	-121.03581
Spanish Grant Drain	541SPNDR N	WARMF-DO TMDL WQ Data 2006	Spanish Grant Drain	Spanish Grant Drain	37.43576	-121.03581
Spanish Grant Drain	541SPNDR N	WARMF-DO TMDL WQ Data 2007	Spanish Grant Drain	Spanish Grant Drain	37.43576	-121.03581
Stinson Ditch at Kamm	551XSED24	AGW_PhaseII	Stinson Ditch at Kamm	551XSED24	36.53146	-120.11618
Turner Slough near Edminster Road	541XTSAER	WSWQC	Turner Slough near Edminster Road	541XTSAER	37.3041	-120.9008
Unnamed Drain at Pomelo Avenue near Paradise Avenue	541UDAPR D	AGW_PhaseI	Unnamed Drain at Pomelo Avenue near Paradise Avenue	541UDAPRD	37.46904	-121.0627
West Stanislaus Main Canal at Hamilton	541STC530	RWB5S_SJRT_FY0405	West Stanislaus Main Canal at Hamilton	541STC530	37.56554	-121.22775
Westley Wasteway near Cox Road	541XWWNC R	WARMF-BDAT Project 541STC029	Westley Wasteway Flow Station	541XWWNCR	37.5582	-121.164
Westley Wasteway near Cox Road	541XWWNC R	WARMF-DO TMDL WQ Data 2005	Westley Wasteway Flow Station	541XWWNCR	37.5582	-121.164
Westley Wasteway near Cox Road	541XWWNC R	WARMF-DO TMDL WQ Data 2006	Westley Wasteway Flow Station	541XWWNCR	37.5582	-121.164

Table A-4. Water Quality Database Stations and Project Specific Comparability (Historical) (contd.)

Station Name	Station Code	Project Code	Historical Station Name	Historical Station Code	Historical Latitude	Historical Longitude
Westley Wasteway near Cox Road	541XWWNC R	WARMF-DO TMDL WQ Data 2007	Westley Wasteway Flow Station	541XWWNCR	37.5582	-121.164
Westley Wasteway near Cox Road	541XWWNC R	WSWQC	Westley Wasteway near Cox Road	541XWWNCR	37.5582	-121.1637
Westley Wasteway near Cox Road	541XWWNC R	WSWQC_BactSourceStudy	Westley Wasteway near Cox Road	541XWWNCR	37.5582	-121.1637

Key:
 CCID = Central California Irrigation District
 DMC = Delta-Mendota Canal
 SJR = San Joaquin River
 SLD = San Luis Drain

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