

APPENDIX I:

SJR Main Stem Site Information and Photographic Documentation

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I2: 541MER522 – SJR at Lander Avenue.....05-06
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I1: 541MAD007 – SJR at Sack Dam

MONITORING SITE INFORMATION

Site Description, Location and Access:

Exit East onto Highway 152 off of Interstate 5. Exit South onto Highway 33 to Dos Palos. Go East onto Valeria Avenue until it dead-ends. Access is via a dirt road at the end of Valeria Avenue.

Latitude/Longitude: Lat. N 36° 59' 01.2"
 Long. W 120° 30' 01.0"

County: Madera

WATER SOURCE

The source of water is primarily from the Mendota Pool. Mendota Pool is supplied with Delta water pumped via the Delta Mendota Canal. During the wet season or during periods of planned releases, high quality San Joaquin River water from Friant Dam also flows to Mendota Pool.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04

01/27/05

Spring Runoff



04/29/04

04/28/05

Irrigation Season



07/29/04

07/28/05

Dry Season



09/30/04

09/29/05

I2: 541MER522 – SJR at Lander Avenue

MONITORING SITE INFORMATION

Site Description, Location and Access:

The site is located approximately 16.5 miles north of Los Banos on Lander Avenue (Highway 165). The site is 1.2 miles south of the Highway 140 –Lander Avenue intersection. The sample is taken at the northwest corner of the Lander Avenue Bridge over the San Joaquin River.

Township/Range/Section: NE ¼, NE ¼, SE ¼, Section 27, T7S, R10E (DWR#7S/10E-27J)

Latitude/Longitude: Lat. N 37° 17' 43"
 Long. W 120° 51' 01"

County: Merced

USGS Quad map: Stevenson, CA

WATER SOURCE

Surface water in the San Joaquin River. In low flow periods, a significant portion of the river flow will consist of surface runoff from irrigated areas. Water quality at this site is expected to show natural background levels or good quality surface runoff from irrigated agriculture. No tile drainage water enters the river upstream of this site.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/17/05

Spring Runoff



04/29/04



04/28/05

Irrigation Season



07/29/04



07/28/05

Dry Season



09/30/04



09/22/05

I3: 541MER538 – SJR at Fremont Ford

MONITORING SITE INFORMATION

Site Description, Location and Access:

The monitoring site is located at Fremont Ford on the west bank of the San Joaquin River at Highway 140. The Sample is taken on the southwest side of the bridge. Fremont Ford is located approximately 5.4 miles northeast of Gustine on Highway 140.

Township/Range/Section: NW ¼, NW ¼, SE ¼, Section 24, T7S, R9E (DWR#7S/9E-24K)

Latitude/Longitude: Lat. N 37° 18' 34"
 Long. W 120° 55' 45"

County: Merced USGS Quad Map: Gustine

WATER SOURCE

This site represents the San Joaquin River downstream of the confluence with Salt Slough. Water quality at this site is usually elevated with respect to salinity.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/17/05

Spring Runoff



04/29/04



04/28/05

Irrigation Season



07/29/04



07/28/05

Dry Season



09/30/04



09/22/05

I4: 541STC512 – SJR at Hills Ferry

MONITORING SITE INFORMATION

Site Description, Location and Access:

The site is located on the west bank of the San Joaquin River approximately 30 yards south of the Merced River confluence. Access to the site is via Hills Ferry Road west of Newman. Hills Ferry Road crosses the San Joaquin River just north (downstream) of the Merced River confluence. To get to the sample point, park vehicle on northwest side of bridge, on shoulder of road and hike down the Merced River confluence to take sample.

Township/Range/Section: SE ¼, SW ¼, SW 1/4, Section 3, T7S, R9E (DWR#7S/9E-3N)

Latitude/Longitude: Lat. N 37° 20' 33"
 Long. W 120° 58' 38"

County: Stanislaus

USGS Quad Map: Gustine

WATER SOURCE

Flows at this site are composed of subsurface agricultural drainage, wetland drainage, and some surface runoff from the Grassland Area, as well as wet season inflows from Merced River flood channels. The quality of these flows will greatly influence quality in the river. Water at this site will likely be elevated with respect to salt, selenium, and boron.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



03/25/04



02/17/05

Spring Runoff



04/29/04



05/19/05

Irrigation Season



07/29/04



08/18/05

Dry Season



09/30/04



09/29/05

I5: 535STC504 – SJR at Crows Landing

MONITORING SITE INFORMATION

Site Description, Location and Access:

The sampling site is located on the fishing dock on the East bank at the Turlock Sports Club off of Carpenter road. The entrance to the sports club is 100 ft north of Crows Landing road. Upon entering, drive north on dirt road and take first left to fishing dock. Sample off of the west side of the dock.

Township/Range/Section: NW ¼, SE ¼, NE ¼, Section 7, T6S, R9E (DWR#6S/9E-7H)

Latitude/Longitude: Lat. N 37° 25' 55"
 Long. W 121° 00' 42"

County: Stanislaus

USGS Quad Map: Crows Landing, CA

WATER SOURCE

Water quality at this site will be better than that at upstream stations as the Merced River and Orestimba Creek drain to the San Joaquin River upstream of this station. This station will represent the San Joaquin River as influenced by the Grassland discharges and diluted by the Merced River flow.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



01/29/04



01/20/05

Spring Runoff



04/29/04



04/28/05

Irrigation Season



06/24/04



06/09/05

Dry Season



09/30/04



09/22/05

I6: 541STC507 – SJR at Patterson

MONITORING SITE INFORMATION

Site Description, Location and Access:

The monitoring site is located north of the Patterson Bridge at the fishing access off of Poplar Avenue. Access to the site is via Las Palmas Avenue (West Main St.) east from Patterson to Poplar Avenue located on the north side of the road approximately 0.5 miles west of the bridge. Go north on Poplar Avenue and make an immediate right on the road to Las Palmas Fishing Access. The sample is taken at the launch ramp on the southeast corner parking lot.

Township/Range/Section: SW ¼, NW ¼, SW ¼, Section 15, T5S, R8E (DWR#5S/8E-15M)

Latitude/Longitude: Lat. N 37° 29' 52"
Long. W 121° 04' 54"

County: Stanislaus USGS Quad Map: Crows Landing, CA

WATER SOURCE

Water quality at this site will be similar to that at Crows Landing Bridge (Site STC 504) with the additional influence of a few agricultural discharges to the river.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/17/05

Spring Runoff



04/29/04



04/28/05

Irrigation Season



07/29/04



07/28/05

Dry Season



09/30/04



09/22/05

I7: 541STC510 – SJR at Maze

MONITORING SITE INFORMATION

Site Description, Location and Access:

The monitoring site is located on the southwest side of the Highway 132 Bridge approximately 100 yards south of the Bridge. Access to the site is via River road, then turn down the alfalfa farmers' driveway towards the pump house on the river. Parking is on a gravel turnout at the pump house, then hike down to the river bank for sampling.

Township/Range/Section: SW ¼, NW ¼, SW ¼, Section 29, T3S, R7E (DWR#3S/7E-29M)

Latitude/Longitude: Lat. N 37° 38' 31"
 Long. W 121° 13' 40"

County: Stanislaus USGS Quad Map: Ripon, CA

WATER SOURCE

Water quality and water quantity at this site is poor and lower, respectively than that found immediately downstream at Vernalis (site SJC 501). This station is immediately upstream of the inflow of the Stanislaus River and downstream of the inflow of the Tuolumne River.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



01/27/05

Spring Runoff



04/29/04



04/28/05

Irrigation Season



07/29/04



07/28/05

Dry Season



09/30/04



09/22/05

I8: 541SJC501 – SJR at Airport Way

MONITORING SITE INFORMATION

Site Description, Location and Access:

The site is located on the west bank of the San Joaquin River on the south side of the Airport Way Bridge. Access to the site is via Kasson Road to Airport Way. Airport Way is located just south of San Joaquin River Club.

Township/Range/Section: SE ¼, SW ¼, NW ¼, Section 13, T3S, R6E (DWR#3S/6E-13E)

Latitude/Longitude: Lat. N 37° 40' 32"
 Long. W 121° 15' 51"

County: San Joaquin

USGS Quad Map: Vernalis, CA

WATER SOURCE

Water at this site is natural surface flow in the San Joaquin River.

Water quality at this site is good and shows typical surface flow quality. This site is just downstream of the inflow from the Stanislaus River. Quality is likely to be the best of any of the river sites.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/17/05

Spring Runoff



04/29/04



04/28/05

Irrigation Season



07/29/04



07/28/05

Dry Season



09/30/04



09/22/05