APPENDIX 0: Delta Basin Site Information and Photographic Documentation

APPENDIX O: Delta Basin Site Information and Photographic Documentation

O1: 544SJC001 – New Jerusalem Tile Drain	03-04
O2: 544SJC505 – Tom Paine Slough at Paradise Road	05-06
O3: 544SJC506 – Old River at Tracy Blvd	07-08
O4: 544SJC509 – Mountain House Creek at Mountain House Parkway	09-10

O1: 544SJC001 - New Jerusalem Tile Drain

MONITORING SITE INFORMATION

Site Description, Location and Access:

This tile drain system discharges to the SJR at approximately mile 63.5. There is a concrete deep structure on the levee and the sample is taken from the river side of the levee below this structure. The site is accessed via Wright Road northeast off of Kasson Road for approximately 1.25 miles to a barn and farmhouse. Take the dirt road at the farmhouse and go southeast to the levee. Go south on the levee for approximately 0.2 miles to the drop structure and sample site. Alternate access to this site is via the Banta Carbona Canal levee road on the North side of the Banta Carbona Lift Pumps (the pumps are located approximately 1.0 miles south of Wright Rd. on the East side of Kasson Rd). By driving NE on the levee road to a second gate (past the fish screen) the drop structure and site is accessed by foot. Walk NE on the levee road to the site. For access to the levee road from Kasson Rd, contact: Keith Robertson, partner of K&H Farms, cell-- (209) 914-1391 office (209) 836-2068.

Latitude/Longitude: Lat. N 37° 42' 32" Long. W 121° 17' 55"

County: San Joaquin

WATER SOURCE:

The water source for the drain farm tile drainage.



Water Year 2004 - Dry

Water Year 2005 – Wet





02/24/04

02/23/05

Spring Runoff



04/26/05







07/28/04

07/26/05





09/29/04 09/27/05

O2: 544SJC505 – Tom Paine Slough at Paradise Road

MONITORING SITE INFORMATION

Site Description, Location and Access:

Exit North onto Macarthur Boulevard off of Interstate 205. Make a right hand turn onto Arbor Road. Follow Arbor Road until it dead ends into Paradise Road. Make a left hand turn onto Paradise Road. Follow Tom Payne Slough along the right side of Paradise Road until you come to the bridge. Access is via the Northeast corner of the bridge.

Latitude/Longitude: Lat. N 37° 46' 27.1"

Long. W 121° 22' 55.8"

County: San Joaquin

WATER SOURCE

Tom Payne Slough is a natural flood channel of the San Joaquin River. River and agricultural development has cut off the Slough from the San Joaquin River. Flow in the Slough is now from the Delta and return flows entering the Slough. The Slough, from its origin near the San Joaquin River to the tide gates at Sugar Cut, is dominated by agricultural activities and return flows. The portion downstream of the tide gates is a natural channel, but flow and quality are affected by NPDES discharges near Sugar Cut. These discharges also affect the quality in Tom Payne Slough during high tide periods as water flows into the Slough.



Water Year 2004 - Dry

Water Year 2005 – Wet





02/24/04

02/23/05







04/28/04

04/26/05





07/28/04

07/26/05







09/29/04

09/27/05

O3: 544SJC506 - Old River at Tracy Blvd

MONITORING SITE INFORMATION

Site Description, Location and Access:

Exit North onto Tracy Boulevard off of Interstate 205. Follow Tracy Boulevard, North, until it comes to Old River, the first Bridge. Access is via the Northeast side of the Bridge next to the Gauging System.

Latitude/Longitude: Lat. N 37° 48' 17.2"

Long. W 121° 26' 58.3"

County: San Joaquin

WATER SOURCE

A major river that borders the South Delta Basin, influenced heavily by river flow, pumping action, and tides. It is argued that Old River can be designated as a natural water body dominated by agricultural supply, but estuary flow characteristics are considered more dominant.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season





02/24/04 0 Spring Runoff





04/28/04 04/26/05





07/28/04 07/26/05





09/29/04 09/27/05

O4: 544SJC509 – Mountain House Creek at Mountain House Parkway

MONITORING SITE INFORMATION

Site Description, Location and Access:

Going Northwest on Byron Highway (J4) out of Tracy, the Creek can be accessed on your right hand side approx. 2/5 mile after the Mt. House Parkway turn off. Access is via a dirt road that crosses over the Creek itself.

Note:

As you approach Mt. House Creek driving on Byron Highway, you will notice a row of trees that lines the creek on the left hand side of the Highway. Access is on your right where the creek crosses under the Highway.

Latitude/Longitude: Lat. N 37° 47' 8.88"

Long. W -121° 32' 8.12"

County: San Joaquin

WATER SOURCE

The water type and source being discharged is farm tile drainage. This water discharges directly into Old River.



Water Year 2002 Water Year 2003





01/29/02 01/28/03





04/23/02 04/22/03





<u>Dry Season</u>



08/27/02 08/26/03