

APPENDIX N:

Westside Basin Site Information and Photographic Documentation

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N1: 541STC019 – Orestimba Creek at River Road.....03-04
N2: 541STC515 – Salado Creek at Highway 33.....05-06
N3: 541STC516 – Del Puerto Creek at Vineyard Avenue.....07-08
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N1: 541STC019 – Orestimba Creek at River Road

MONITORING SITE INFORMATION

Site Description, Location and Access:

Orestimba Creek at River Road gives good access to the creek and represents runoff water quality just prior to its entrance to the San Joaquin River at Mile 109.0.

Township/Range/Section: SE ¼, SE ¼, NE ¼, Section 18, T6S, R9E (DWR#6S/9E-18H)

Latitude/Longitude: Lat. N 37° 24' 50"
 Long. W 121° 00' 51"

County: Stanislaus

USGS Quad Map: Crows Landing

WATER SOURCE

The water in Orestimba Creek consists of both natural surface flow from Orestimba Creek, Crow Creek and runoff, tail water and operational spills from the tear depending upon the intensity of irrigation on the area. There are no known discharges of tile drainage water directly into the creek

Orestimba Creek carries both natural runoff and agricultural return flows. It is also likely that the deep entrenchment of the creek in its lower reaches near the San Joaquin causes seepage of groundwater into the creek in several reaches.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/16/05

Spring Runoff



04/29/04



04/20/05

Irrigation Season



07/29/04



07/20/05

Dry Season



09/02/04



09/21/05

N2: 541STC515 – Salado Creek at Highway 33

MONITORING SITE INFORMATION

Site Description, Location and Access:

Located just before the city of Patterson going South on Highway 33. Access to this Creek is via the east side of Highway 33 where it crosses the Creek. Bridge 38-20

Latitude/Longitude: Lat. N 37° 28' 53.3"
 Long. W 121° 08' 07.9"

County: Stanislaus

WATER SOURCE

Salado Creek is an ephemeral stream originating in the Coast Range whose flows only reach the San Joaquin River during high flood periods. Natural runoff occurs for 2-3 months of the year upstream of power lines which transverse the creek approximately 1.5 miles upstream of Interstate 5. Downstream of the power line, the Creek channel is dominated by agricultural return flows from March to November. Downstream of the Delta Mendota Canal, the flood channel has been extensively reworked; now it can be considered a constructed channel carrying only agricultural return flows that is then piped underground from Highway 33 until it discharges into the San Joaquin River along Olive Avenue.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04

02/16/05

Spring Runoff



04/29/04

04/20/05

Irrigation Season



08/26/04

07/20/05

Dry Season



09/02/04

09/21/05

N3: 541STC516 – Del Puerto Creek at Vineyard Avenue

MONITORING SITE INFORMATION

Site Description, Location and Access:

Del Puerto Creek at the intersection of Vineyard Road and Loquat. The creek is sampled at the bridge.

Latitude/Longitude: Lat. N 37° 31' 17.3"
 Long. W 121° 08' 55.3"

County: Stanislaus

WATER SOURCE

Type and source of water being monitored (description): The majority of the water in Del Puerto Creek is tail water from irrigated fields in the adjacent areas. Also in the creek is operational spill water from both West Stanislaus Irrigation District and Patterson Water District. Little if any tile drainage enters the creek. It would be expected that seepage into the creek from high groundwater would also be present but little is found. Comments on factors affecting water quality and quantity at the site: The quality of the creek will be related to the operational spill water quality and the quality of the tail water leaving individual fields.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/15/05

Spring Runoff



04/29/04



04/19/05

Irrigation Season



07/29/04



07/19/05

Dry Season



09/30/04



09/20/05

N4: 541STC040 – Ingram Creek at River Road

MONITORING SITE INFORMATION

Site Description, Location and Access:

Ingram Creek as it passes under River Road. Sample site is on the east side of the road 200 feet downstream of the last pipe input to the drain at River Road.

Township/Range/Section: SE ¼, NE ¼, SW ¼, Section 8, T4S, R7E (DWR#4S/7E-8L)

Latitude/Longitude: Lat. N 37° 36' 01"
 Long. W 121° 13' 27"

County: Stanislaus USGS Quad Map: Westley, CA

WATER SOURCE

The water in Ingram Creek at this site is a combination of tail water and subsurface tile drainage water. The majority of the flow will be tail water.

The quality of the flow will be determined by the amount of tail water in the creek. The site is very near the Ingram Creek Drain (site STC041), which enters on the east side of River Road just downstream of the bridge from the south bank.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/24/04



02/15/05

Spring Runoff



04/28/04



04/19/05

Irrigation Season



07/28/04



07/19/05

Dry Season



09/29/04



09/20/05

N5: 541STC042 – Hospital Creek at River Road

MONITORING SITE INFORMATION

Site Description, Location and Access:

Hospital Creek just downstream of its crossing of River Road.

Township/Range/Section: SW ¼, SW ¼, SW ¼, Section 5, T4S, R7E (DWR#4S/7E-5N)

Latitude/Longitude: Lat. N 37° 36' 38"
 Long. W 121° 13' 43"

County: Stanislaus

USGS Quad Map: Westley, CA

WATER SOURCE

Hospital Creek carries storm runoff and tail water from irrigated land upslope. No known tile drainage enters the creek upstream of River Road.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/24/04



02/15/05

Spring Runoff



04/28/04



04/19/05

Irrigation Season



06/23/04



06/21/05

Dry Season



09/29/04



09/20/05

N6: 541STC030 – Grayson Road Drain at Grayson

MONITORING SITE INFORMATION

Site Description, Location and Access:

Sampling point is at the Grayson Road Bridge as it crosses the old river channel (0.15 miles west of the intersection of Grayson Road and Cox Road). Discharged is from a black pipe in the west bank of the old channel under the bridge. This closed pipeline collection system is owned and operated by the West Stanislaus Irrigation District.

Township/Range/Section: NW ¼, SW ¼, NW ¼, Section 26, T4S, R7E (DWR#4S/7E-26E)

Latitude/Longitude: Lat. N 37° 33' 43"
 Long. W 121° 10' 27"

County: Stanislaus USGS Quad Map: Westley, CA

WATER SOURCE

All water entering this closed pipeline is tail water from the West Stanislaus Irrigation District. During periods of no flow, some seepage does enter the pipeline due to high groundwater in the area, but the flow is small compared to the total discharge volume.



Water Year 2004 – Dry

Water Year 2005 – Wet

Rainy Season



02/26/04



02/16/05

Spring Runoff



04/29/04



04/20/05

Irrigation Season



07/29/04



07/20/05

Dry Season



09/29/04



09/21/05