

Appendix O

Salinas River Inflow Impacts Report

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GROUNDWATER REPLENISHMENT PROJECT

SALINAS RIVER INFLOW IMPACTS

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Table i. Acronyms Used in this Report

Acronym	Description
AFY, ac-ft/yr	Acre-feet/year
cfs	Cubic foot per second
gpd	Gallons per day
mgd	Million gallons per day
mg/L	Milligrams per liter
µg/L	Micrograms per liter
MPN	Most Probable Number
ppb	Parts per billion
ppm	Parts per million
ASBS	Areas of Special Biological Significance
ASR	Aquifer Storage and Recovery
BMP	Best management practice
CAW, CalAm	California American Water Company
CCAMP	Central Coast Ambient Monitoring Program
CCR	California Code of Regulations
CCRWQCB	Central Coast Regional Water Quality Control Board
CDPH	California Department of Public Health
CEQA	California Environmental Quality Act
CSIP	Castroville Seawater Intrusion Project
CWC	California Water Code
DWR	California Department of Water Resources
GWR	Groundwater Replenishment
MCWRA	Monterey County Water Resources Agency
MPWMD	Monterey Peninsula Water Management District
MRSWMP	Monterey Regional Stormwater Management Program
MRWPCA	Monterey Regional Water Pollution Control Agency
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NRCS	USDA Natural Resources Conservation Service
RTP	Regional Treatment Plant
SB	California Senate Bill
SIWTF	Salinas Industrial Wastewater Treatment Facility
SRDF	Salinas River Diversion Facility
SRDP	Salinas River Diversion Project
SVRP	Salinas Valley Reclamation Plant
SVWP	Salinas Valley Water Project
SVGB	Salinas Valley Groundwater Basin
SWRCB	California State Water Resources Control Board
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USGS	U.S. Geologic Survey

Table ii. Units of Measure Used in this Report

Unit	Equals
1 acre-foot	= 43,560 cubic feet = 325,851 gallons
1 cubic foot	= 7.48 gallons
1 cfs	= 448.8 gallons per minute = 724 acre-feet/year
1 MGD	= 1,000,000 gallons/day = 1,120 acre-feet / year
1 mg/L	= 1 ppm = $1 / 10^6$
1 μ g/L	= 1 ppb = $1 / 10^9$

Summary of Salinas River Flow Impacts Study

The Monterey Peninsula Water Management District (MPWMD) and the Monterey Regional Water Pollution Control Agency (MRWPCA) are jointly sponsoring the proposed Pure Water Monterey Groundwater Replenishment Project (Proposed Project), a water supply project that will serve northern Monterey County. The project will provide purified water for recharge of the Seaside Groundwater Basin that serves as drinking water supply, and recycled water to augment the existing Castroville Seawater Intrusion Project agricultural irrigation supply. Three of the proposed sources of water supply to be developed for this project are urban runoff from the City of Salinas, agricultural wash water from the Salinas Industrial Wastewater Collection System, and tile drainage and stormwater runoff from the Blanco Drain, all of which currently contribute flow to the Salinas River. The purpose of this study was to (1) analyze the availability of stormwater runoff from the City of Salinas for this project, (2) provide an engineering analysis of the flow reductions in the Salinas River due to diverting City of Salinas stormwater runoff, agricultural wash water and Blanco Drain flows to the Proposed Project, and (3) assess the potential project impacts on hydrology and water quality in the Salinas River.

The southwest portion of the City of Salinas (approximately 2.55 square miles) is tributary to the Salinas River. Runoff from this portion of the City is collected and pumped to the Salinas River, discharging above Davis Road. Average annual runoff to the Salinas River was estimated to be 246 acre-feet per year (AFY). Of this, an average of 225 AFY may be diverted to the Proposed Project using existing capacity in the MRWPCA regional wastewater collection system.

The Salinas Industrial Wastewater Treatment Facility and Collection System serves 25 agricultural processing and related businesses located in the southeast corner of the City. Industrial wastewater is collected and conveyed separately from municipal wastewater, and treated at a facility located along the Salinas River northwest of Davis Road. Treated wastewater is disposed of using evaporation/percolation ponds along the river, with some flows seeping into and contributing to the river. An estimated 3,733 AFY of industrial wastewater may be diverted to the Proposed Project using existing capacity in the MRWPCA regional wastewater collection system. This diversion may reduce inflows to the Salinas River by up to 2,170 AFY¹.

The Blanco Drain is a man-made reclamation ditch draining approximately 6,400 acres of agricultural lands near Salinas, CA. It discharges to the Salinas River at river mile 5, downstream of the Salinas Industrial Wastewater Treatment Facility. Estimated flow in the Blanco Drain is 2,620 AFY. Some or all of this flow may be diverted to the Proposed Project, depending upon the availability of other source waters and the final permitted diversion rate.

¹ Estimate of current percolation to the river prepared by Todd Groundwater, February 2015.

The water quality of the Blanco Drain is poor, and the diversion would require costly facilities, so the use of other sources is preferred.

Flows in the Salinas River below these facilities were estimated using a mass balance model, and a statistical analysis was performed on the results. Diverting agricultural wash water and City of Salinas stormwater to the Proposed Project would reduce average annual flows in the river by less than 1%. If water is also diverted from the Blanco Drain, the average annual flow in the Salinas River decreases by 1.7%. If diversions are made year-round, they will reduce the number of days that minimum flows for fish passage are achieved. Under the current conditions, the target flows for fish passage are met between 24.7% and 27.5% of the time², depending upon the target. With the diversions, the target flows are met between 24.1% and 26.5% of the time.

² Percentages are calculated as the number of days meeting the minimum passage flow divided by the total number of days modeled. The model covered the river gage period of record, 1932 to 2013.

Section 1 - Introduction**1.1 Project Description**

The Monterey Peninsula Water Management District (MPWMD) and the Monterey Regional Water Pollution Control Agency (MRWPCA) are jointly sponsoring the proposed Pure Water Monterey Groundwater Replenishment Project (Proposed Project), a water supply project that will serve northern Monterey County. The project will provide purified water for recharge of the Seaside Groundwater Basin that serves as drinking water supply, and recycled water to augment the existing Castroville Seawater Intrusion Project agricultural irrigation supply.

Source water for the project would include agricultural wash water from the City of Salinas Industrial Wastewater Collection System, stormwater from MRWPCA member cities, secondary-treated effluent from the MRWPCA Regional Treatment Plant, and surface water diverted from the Reclamation Ditch, Tembladero Slough and Blanco Drain. Water supplied to the Proposed Project would undergo primary and secondary treatment at the existing Regional Treatment Plant. The portion used for groundwater recharge would then undergo advanced treatment at a new facility to be located at the MRWPCA site, and then be conveyed to the Seaside Groundwater Basin for injection. The portion used for agricultural irrigation would undergo tertiary treatment at the existing Salinas Valley Reclamation Plant, and distribution through the Castroville Seawater Intrusion Project system.

The MRWPCA provides wastewater treatment for municipalities along the Monterey Bay from Pacific Grove north to Moss Landing, and inland to the City of Salinas. Wastewater is collected in an interceptor pipeline system and conveyed to the Regional Treatment Plant (RTP), located two miles north of the City of Marina. A large portion of this incoming flow is tertiary treated and used for unrestricted agricultural irrigation within the Castroville Seawater Intrusion Project system in the northern Salinas Valley. Flow that is not sent to the tertiary treatment system is discharged through an outfall to Monterey Bay after receiving secondary treatment. The RTP has an average dry weather design capacity of 29.6 million gallons per day (mgd) and a peak wet weather design capacity of 75.6 mgd. It currently receives and treats approximately 17 to 18 mgd of average dry weather flow and therefore has capacity to treat additional flows. The interceptor pipeline system also has currently unused or excess conveyance capacity. Most of the new source waters would be conveyed to the RTP using the existing wastewater collection system; water from Blanco Drain would be conveyed in a new pipeline directly to the RTP.

The purpose of this study is to analyze the availability of urban stormwater runoff from the City of Salinas that currently flows into the Salinas River and to provide an engineering analysis of the potential yields which may be captured and conveyed to the RTP. This study also estimates the Proposed Project's impacts on Salinas River flows, which will include (1) diverting agricultural wash water from the Salinas Industrial Wastewater collection system, (2) capturing

stormwater runoff from the City of Salinas, and (3) diverting Blanco Drain flows. The other proposed water sources for the Proposed Project do not affect flow in the Salinas River, and are therefore not included in this analysis. The modeled Salinas River flows from this analysis will be used for the Project's fisheries impacts analysis (by others). Finally, this report provides a summary of the available water quality for the Salinas River and the proposed water sources.

This report builds upon preliminary analysis presented in other reports, including: (1) Technical Memorandum, Salinas Sewage Conveyance Study, prepared by Carollo Engineers; (2) Draft Memorandum, Pure Water Monterey Groundwater Replenishment Project: Impacts of Changes in Percolation at the Salinas Industrial Wastewater Treatment Facility on Groundwater and the Salinas River, prepared by Todd Groundwater; and (3) Revised Draft, Blanco Drain Yield Study, prepared by Schaaf & Wheeler. References are cited as they appear and are listed in Appendix D.

1.2 Water Source Descriptions

The City of Salinas is located in the northern part of the Salinas Valley in Monterey County, approximately ten miles east of the Pacific Ocean and adjacent to the Salinas River. Two sources of untreated water for the Proposed Project originate within the City, agricultural wash water and urban stormwater runoff, as discussed below.

1.2.1 Salinas Industrial Wastewater Collection and Treatment Systems (Agricultural Wash Water)

The City of Salinas operates an industrial wastewater collection and treatment system that serves approximately 25 agricultural processing and related businesses located in the southeast corner of the City. This water is referred to as agricultural wash water because the majority of it is used to rinse table crops before packaging. This wastewater collection system is separate from the Salinas municipal sewage collection system. Wastewater is conveyed in a network of gravity pipelines to the Salinas Industrial Wastewater Treatment Facility (SIWTF), which is located on the north bank of the Salinas River, downstream of the Davis Road crossing (see Figure A-1). The plant has been in operation since 1944. The SIWTF consists of an influent pump station, an aeration lagoon, percolation ponds, drying beds and rapid infiltration basins to treat, percolate and evaporate the water.

The SIWTF is designed and permitted for an average daily flow of 4.0 million gallons per day (MGD) with a peak flow of 6.8 MGD. The SIWTF operates year-round, with a current peak monthly inflow during summer months of approximately 3.5 to 4.0 mgd. This summer peak corresponds with the peak agricultural harvesting season in the Salinas Valley. In recent years, substantial flows to the SIWTF have continued during the winter months due to the importation of agricultural products from Arizona for processing. Flows in all seasons are expected to increase as additional customers are added to the SIWTF system.

The SIWTF collection system trunk sewer passes through the City's former municipal wastewater treatment plant, known as Treatment Plant No. 1 (TP1), located on Hitchcock Road (see Figure A-2). TP1 is also the location of the MRWPCA Salinas Pump Station, which conveys municipal wastewater to the Regional Treatment Plant via the Salinas Interceptor pipeline. One of the proposed sources of supply for the Proposed Project is agricultural wash water, which may be diverted at TP1 from the industrial collection system to the municipal collection system. The industrial wastewater pipeline is shallower than the municipal wastewater pipeline, so a gravity connection is feasible.

1.2.2 Salinas Stormwater

The City of Salinas receives an average of 13.1 inches of rain each year³. Four major creeks and several minor tributaries pass through the Salinas area and receive stormwater discharges from the City northeast and adjacent to Highway 101. These creeks are all tributary to the Tembladero Slough and thence to the Old Salinas River channel. Stormwater from the southernmost portion of the City is collected in a storm drain system that flows south toward the Salinas River (Figure A-3). This stormwater system terminates at a lift station on the TP1 property, which discharges to the Salinas River upstream of Davis Road via a 66-inch pipeline (Figure A-4). The pump station has a peak flow capacity of 110 cubic feet per second (cfs). Excess stormwater (peak flows exceeding the pump capacity) overflows to the on-site Blanco Detention Pond. The portion of the City that drains to the Salinas River is approximately 1,631 acres, or 2.55 square miles.

Another of the proposed sources of supply for the Proposed Project is diversion of urban stormwater runoff from the City into the municipal and/or the industrial wastewater collection systems at TP1. The stormwater collection pipelines are shallower than the municipal wastewater pipeline, so a gravity connection to the municipal system is feasible. Connection to the industrial wastewater system would require a gated structure to impound water up to the level of the industrial wastewater collection system pipeline, or a pumped connection may be used. Stormwater flows are highly variable, and occur primarily in the winter months. Peak flows which cannot be captured for the Proposed Project may still be discharged to the Salinas River.

The storm drainage system currently discharges to the Salinas River. During the summer months, the Salinas River flows into the Old Salinas River Channel through a gated culvert on the northern side of the Salinas Lagoon (see Figure A-5 in Appendix A and Figure 1.1, below). Direct discharge to the ocean is blocked by a seasonal sand bar which forms across the mouth of the Salinas Lagoon due to wave and tidal action in the Monterey Bay. The Old Salinas River channel is controlled by tide gates at Potrero Road in Moss Landing. River flow combines with

³ NWS Gage USW00023233, Salinas Municipal Airport, period 1932-2013

Tembladero Slough flow approximately 1.2 miles above the tide gates. During high winter flows in the Salinas River, the sand bar breaches and the river flows directly to the Bay. When this occurs, the Monterey County Water Resources Agency (MCWRA) closes the slide gate to the Old Salinas River.

Figure 1.1: Salinas River Lagoon



Lagoon closed to the ocean (left) and open (right). Arrow indicates gated outlet to Old Salinas River.

The Central Coast Regional Water Quality Control Board (CCRWQCB) has listed the Salinas River below Spreckels on the impaired water body listing pursuant to Section 303(d) of the Clean Water Act for pesticides, nitrate, chloride and other parameters. A summary matrix of 303(d) listed streams is provided as Table B-1. Water quality is discussed in greater detail in Section 3.2 of this report.

1.2.3 Blanco Drain

The Blanco Drain is a man-made reclamation ditch draining approximately 6,400 acres of agricultural lands near Salinas, CA. The watershed is between the Salinas River and Alisal Slough, and discharges to the Salinas River at river mile 5 (see Figure A-6). A headwall and flap gate at the lower end of the ditch system prevents seasonal high flows in the Salinas River from migrating up the Blanco Drain channel. Summer flows in the Blanco Drain are generally tile drainage and runoff from irrigated agriculture. Winter flows also include stormwater runoff, but many fields remain in production and are irrigated year-round.

The Central Coast Regional Water Quality Control Board (CCRWQCB) has listed Blanco Drain as an impaired water body pursuant to Section 303(d) of the Clean Water Act for pesticides, nitrate and low dissolved oxygen. Aquatic habitats within the Blanco Drain system are poor. In addition to the poor water quality, the system is generally maintained as a drainage canal without vegetation or tree canopy, and the flap gate prevents fish passage during periods of high flow in the Salinas River.

In 2009-2010, the Monterey County Water Resources Agency's (MCWRA) Salinas River Diversion Facility (SRDF) was constructed downstream of the Blanco Drain. The SRDF includes an inflatable rubber dam that impounds water during the summer months to supply the diversion pump station. To prevent accumulated water in the Blanco Drain channel from submerging the agricultural drains, the Blanco Drain channels were regraded and a new slide gate and pump station were installed at the lower end of the Drain, several hundred feet above the confluence with the Salinas River. The pump station lifts Blanco Drain flows past the slide gate and into the gravity portion of the channel.

The Proposed Project would divert flows from the Blanco Drain at a new pump station, located next to the existing MCWRA pump station, and convey it directly to the RTP via a new pipeline.

Section 2 - Yield Estimation

2.1 Salinas Agricultural Wash Water Capture

Annual yields from the SIWTF were estimated by MRWPCA Staff based upon operational records for the years 2007 through 2013. Total estimated yield of agricultural wash water is 3,733 AFY, based on the projected flows for year 2017 (the year the Proposed Project will commence operation). The Proposed Project is estimated to use 73% to 100% of the available SIWTF influent as source water supply for the Project. Projected monthly inflows to the SIWTF are shown in Table 2-1.

Table 2-1: Estimated Monthly SIWTF Flows, 2017 Projection⁴

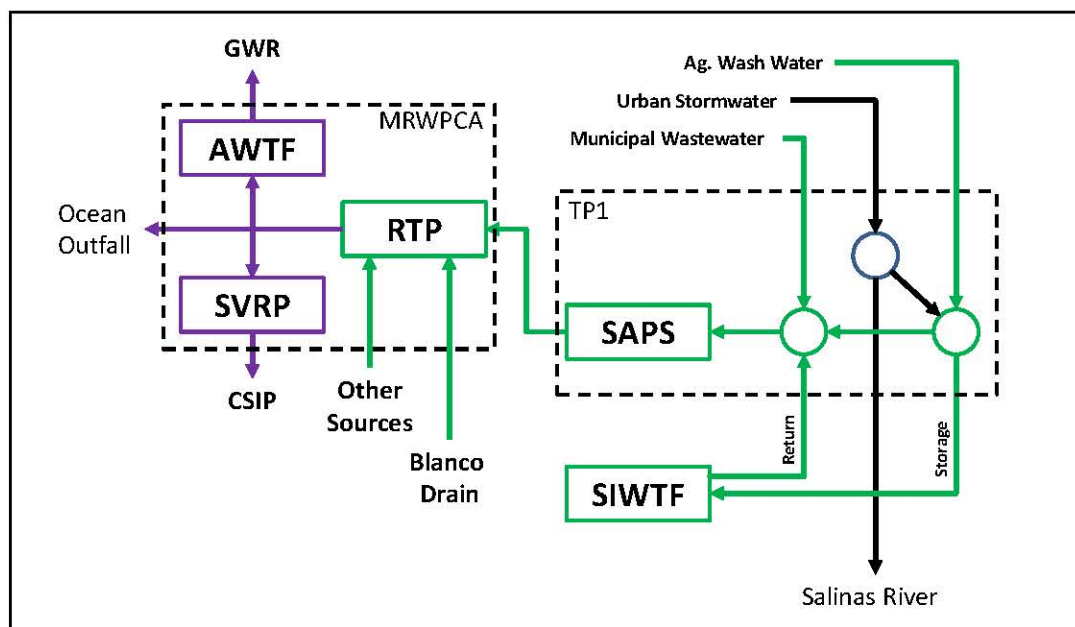
Month	Ac-Ft
January	156
February	158
March	201
April	307
May	311
June	391
July	435
August	444
September	367
October	410
November	329
December	223
Total	3,733

Agricultural wash water would be diverted at the TP1 site into the municipal wastewater collection system. The MRWPCA Salinas Pump Station (SAPS) has a maximum day capacity of 35.4 MGD, but the current peak flow is only 15.6 MGD⁵, leaving almost 20 MGD of unused capacity. A valved gravity connection is proposed to transfer agricultural wash water flows into the municipal collection system, retaining the ability to send flows to the existing SIWTF (see Figure 2.1, below, and TP1 piping schematic in Appendix A, Figure A-2). A temporary transfer of agricultural wash water to the municipal wastewater system occurred in the spring and summer of 2014, in response to the prolonged drought conditions. The agricultural wash water was routed backward through the existing municipal-to-industrial emergency overflow pipeline. This increased the amount of secondary-treated effluent available for conversion to recycled water at the Salinas Valley Reclamation Plant.

⁴ Projection by Bob Holden, MRWPCA Staff, 2014

⁵ MRWPCA Operating Records, 1999-2013

Figure 2.1: Project Flow Schematic (partial)



The SIWTF has a design peak flow rate of 6.8 MGD. Water treatment at the SIWTF consists of screening for trash removal, aeration and then percolation/evaporation. Wastewater is treated in a 13-acre aeration lagoon and then discharged by gravity to a series of three percolation/evaporation ponds that have a total surface area of 110 acres⁶. Remaining wastewater is disposed of in 54 shallow drying beds and rapid infiltration beds that are alternately loaded with treated effluent for disposal by percolation and evaporation. Water from the SIWTF percolates into the shallow A-Aquifer above the Salinas Valley Aquitard, which overlies the 180-foot aquifer of the Salinas Groundwater Basin. A large portion of the percolated flow has historically seeped into the Salinas River. Todd Groundwater estimates that in 2013, 20% of the water that was percolated from the SIWTF became recharge to the A-aquifer and 80% seeped to and became surface flow in the Salinas River.

The percolation rate of water in the ponds between 2011 and 2013 declined substantially. The 2013 Annual Report for the SIWTF⁷ opines that higher than normal groundwater levels, possibly due to operation of the Salinas River Diversion Facility, may be contributing to this condition. In 2014, the agricultural wash water was diverted to the Regional Treatment Plant between April 1 and October 31 and the water was pumped to the rapid infiltration beds to completely empty the main percolation/evaporation ponds. Prior to this year, the ponds had not been emptied for maintenance of the pond bottoms for more than twelve years (i.e., since emergency repairs were

⁶ City of Salinas, *Industrial Wastewater Treatment Facility, 2013 Annual Report*, January 2014

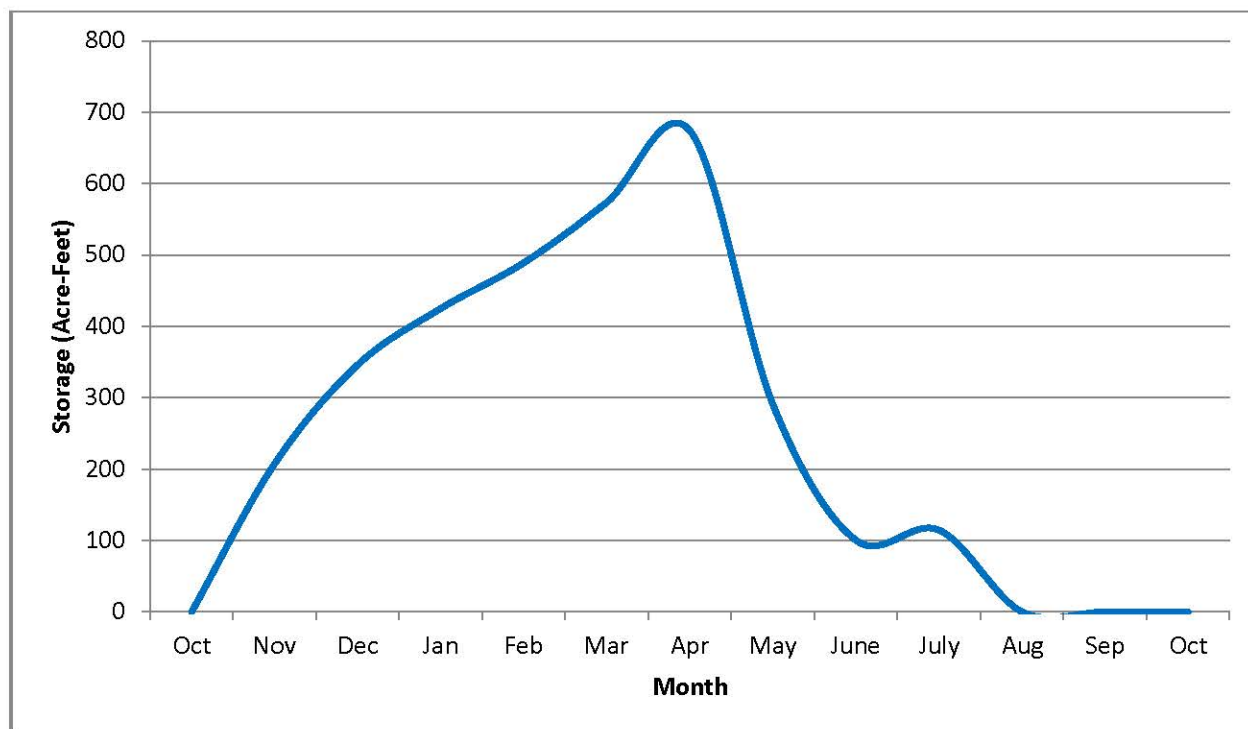
⁷ City of Salinas, *Industrial Wastewater Treatment Facility, 2013 Annual Report*, January 2014

completed in early 2002). As evidenced by the survey of the empty ponds in 2014, the ponds have accumulated silts (see Figure 2.2).

Figure 2.2: SIWTF Pond 1 (September 2014)



The Proposed Project would maximize the use of agricultural wash water by sending flows to the SIWTF ponds from November through April when other sources of water supply are available. From April through October, incoming agricultural wash water would be diverted to the Salinas Pump Station, and stored water from the SIWTF ponds would be pumped back to the Salinas Pump Station. This will allow the production of additional tertiary treated water during the peak irrigation season. The SIWTF ponds can hold approximately 1,250 acre-feet of water. Operating the ponds in this manner, the use of the drying beds and rapid infiltration basins will be eliminated in all but wet years. Assuming the ponds are empty at the start of the filling cycle in November, they will be half full by the end of the filling cycle in April and empty again by mid-August (see Figure 2.3). Increased storage may be achieved by lining one or more ponds to decrease the percolation losses. Stormwater runoff from the City of Salinas that passes through the TP1 site during the filling cycle would also be stored in the SIWTF ponds, if storage capacity exists.

Figure 2.3: Projected SIWTF Pond Storage (typical year)⁸

2.2 Salinas Stormwater Capture

Estimates of stormwater runoff into the Salinas River from the City of Salinas were made based on daily rainfall gage data, National Resource Conservation Service⁹ mapped hydrologic soil group information, and land use as shown on aerial photographs. Calculations were made for each day using the methods in SCS Manual TR-55, Urban Hydrology for Small Watersheds. Runoff curve numbers (CN) were determined based on soil group and cover. Curve numbers appropriate for scrub cover were used for areas of natural vegetation, and curve numbers appropriate for irrigated pasture were used for lawns and other irrigated ground cover. A curve number of 98 for antecedent moisture condition (AMC) II was used for all impervious areas. The runoff curve numbers used to calculate runoff varied between AMC I (with 1.4 inches or less during previous five days) and AMC III (with 2.1 inches or more during the previous five days) depending on the precipitation during the previous five days. Results were aggregated by month and water year (October 1 through September 30).

⁸ Storage reflects operational analysis by Larry Hampson, MPWMD, 10/17/2014, with updated percolation rates by Todd Groundwater, 2015.

⁹ Formerly the USDA Soil Conservation Service

For each land use and soil group combination, runoff was determined for each day during the period of record. The following equations are used in the NRCS model:

$$R = \frac{(P - 0.2S)^2}{(P + 0.8S)}$$

Where P is the precipitation in inches, R is the runoff in inches, and S is the storage in inches:

$$S = \frac{1000}{CN} - 10$$

Rainfall data for Salinas were obtained from NOAA gage USW00023233, Salinas Airport, Salinas, CA, for the period 10/1/1932 to 12/31/2013. The Salinas Airport Gage has several data gaps (listed below). Data from NOAA gage Salinas #2 (USC00047668) was substituted as indicated below. The average annual precipitation is 13.1 inches/year. Total precipitation by month is shown in Table B-2.

<u>Date Gap Period</u>	<u>Replaced With</u>
8/6/1941	None
11/15/1944 – 11/16-1944	None
6/4/1946 – 7/31/1946	None
2/1/1948 – 2/29/1948	None
5/1/1959 – 12/31/1959	Salinas #2
7/20/1995 – 7/31/1995	Salinas #2

The portion of the City that drains to the Salinas River is 1,631 acres, or approximately 2.55 square miles (see Figure A-3). The land use and soil types are shown in Table 2-2. Using the method described above, the total estimated runoff into the Salinas River from the City averages 246 acre-feet per year (see Appendix B, Table B-3).

Table 2-2: Land Use, Areas and Curve Numbers

Land Use	Soil Group	Curve Number (AMC II)	Total Area (acres)	Percent Impervious	Impervious Area (acres)	Pervious Area (acres)
Single Family Residential	C	83	1,108	40%	443.4	665.0
Commercial	C	94	51	90%	46.0	5.1
Open Space	C	79	184	10%	18.4	165.9
Single Family Residential	D	87	261	40%	104.5	156.8
Commercial	D	95	16	90%	14.2	1.6
Open Space	D	84	10	10%	1.0	9.4
Totals			1,631		628	1,004
Net Impervious Area		98			628	

Stormwater from the City of Salinas flows to the City's Salinas River Pump Station, located adjacent to the TP1 site and the MRWPCA Salinas Pump Station (Figure A-2). The site elevation at TP1 is approximately 36-ft. The gravity stormwater mains enter the Salinas River Pump Station at invert elevation 23-ft (+/-)¹⁰, or about 13-ft below ground surface. The sanitary sewer mains entering the MRWPCA pump station have an invert elevation of 16-ft (+/-), or about 20-ft below ground surface. The sanitary sewer main is deeper, therefore it is possible to connect the stormwater system to the sanitary system using a gravity pipeline and check valve.

The MRWPCA operates three wastewater interceptor systems that convey flows to the Regional Treatment Plant: the Moss Landing-Castroville Interceptor from the north, the Monterey-Seaside-Fort Ord-Marina Interceptor from the south, and the Salinas Interceptor from the east (Figure A-7). As discussed above, the MRWPCA Salinas Pump Station has a maximum day capacity of 35.4 MGD, a current peak flow of 15.6 MGD¹¹, and approximately 20 MGD of unused capacity. Runoff capture from Salinas was calculated based on an upper diversion limit of 61 acre-feet/day (= 20 MGD). No lower limit was needed because this system may be configured to capture all stormwater below the daily limit. If the combined stormwater and agricultural wash water flows exceed 20 MGD, the excess stormwater would bypass to the existing Salinas River Pump Station, or may be routed to the SIWTF for storage using the existing Industrial Wastewater collection system. The estimated average annual runoff capture was 225 AFY (see Tables B-4 and B-5 for monthly model results). The estimated runoff capture varied based on the annual rainfall pattern, from a minimum of 19 AFY to a maximum of 654 AFY.

2.3 Blanco Drain Flow Capture

Annual yields from the Blanco Drain were estimated by Schaaf & Wheeler¹² based on operational records for the existing Blanco Drain pump station. Monthly pump station flows, rainfall data and Castroville Seawater Intrusion Project delivery records were used to determine the relationship between Blanco Drain flows and rainfall and applied irrigation across the 6,000 acre drainage basin. An average 17% of the total precipitation and applied irrigation returns as flow in the Blanco Drain. The estimated average monthly flows in the Blanco Drain are shown in Table 2-3. A full discussion of the estimating methodology and the underlying data are available in the Blanco Drain Yield Study report.

¹⁰ Using the City of Salinas IWTF Ponds for Stormwater Storage, Kimley-Horn and Associates, 2013

¹¹ MRWPCA Operating Records, 1999-2013

¹² Revised Draft Blanco Drain Yield Study, Schaaf & Wheeler, 2014

Table 2-3: Estimated Monthly Flows in Blanco Drain

Month	Applied Irrig + Precip	17% return	Avg Return Flow Rate
	AF	AF	CFS
January	1,229	209	3.4
February	1,314	223	4.0
March	1,446	246	4.0
April	1,481	252	4.2
May	1,323	225	3.7
June	1,613	274	4.6
July	1,629	277	4.5
August	1,436	244	4.0
September	1,080	184	3.1
October	989	168	2.7
November	782	133	2.2
December	1,088	185	3.0
Totals	15,410	2,620	

Flow capture from the Blanco Drain was estimated based on two diversion rates. The permitting process for a water right diversion under 3 cfs is shorter than for a larger water right, so the Proposed Project assumes an initial water right diversion at 2.99 cfs, and an ultimate water right allowing diversions at up to 6 cfs. Because the water quality and in-stream habitat in the Blanco Drain is poor, it was assumed that all of the available flows may be diverted (that is, no minimum flow into the Salinas River would be required). The estimated monthly diversions are shown in Table 2-4, below. The Proposed Project would develop multiple sources of water supply. Water from the Blanco Drain is only projected for use between March and September, although diversions in other months may occur depending upon the availability of supply from other sources. For this analysis, year-round diversions under the proposed water rights were considered.

Table 2-4: Estimated Monthly Diversions from Blanco Drain

Month	Diverting at 2.99 cfs	Diverting at 6.0 cfs
	AF	AF
January	184	209
February	166	223
March	184	246
April	178	252
May	184	225
June	178	274
July	184	277
August	184	244
September	178	184
October	168	168
November	133	133
December	184	185
Totals	2,104	2,620

2.4 Salinas River Flows

The Salinas River is the largest river of the Central Coast of California, running 170 miles and draining 4,160 square miles (Figure A-8). It originates near the town of Santa Margarita in San Luis Obispo County and flows north-northwest through Monterey County and into the Monterey Bay. The Salinas River watershed is bounded by the Gabilan Range to the east and the Sierra de Salinas and Santa Lucia Range on the west. The combination of steep terrain on the sides of the watershed and intense farming of the valley floor leads to high sediment loads within the river. The Salinas River has three main tributaries, the Nacimiento, San Antonio and Arroyo Seco Rivers. Historically, the River was dry during summer months and prone to flooding during extreme winter and spring storm events. Levees were constructed to prevent flooding and restrict channel migration on the historic floodplain and adjacent lands¹³. Modifications to the natural hydrologic condition occurred with the construction of reservoirs for flood control and water supply.

Table 2-5: Reservoirs in the Salinas Basin

Reservoir Name	Storage Capacity Drainage Area	Constructed	Owner
Lake Nacimiento	377,900 ac-ft 362 sq-mi	1957	Monterey County Water Resources Agency
Lake San Antonio	335,000 ac-ft 344 sq-mi	1967	Monterey County Water Resources Agency
Santa Margarita Lake	23,843 ac-ft 112 sq-mi	1941	City of San Luis Obispo

The Salinas Valley Groundwater Basin extends along the river valley floor from Bradley north to the Monterey Bay. It provides approximately 500,000 acre-feet per year of water supply for municipal, industrial and agricultural use. The groundwater basin has four designated subareas, the Upper Valley, Forebay, East Side and Pressure (Figure A-9). The groundwater basin is recharged in all but the Pressure Subarea, which has a clay layer above the major water bearing layers¹⁴. Monterey County Water Resources Agency (MCWRA) releases flows from Lakes Nacimiento and San Antonio through the spring and summer months to recharge the groundwater basin. Santa Margarita Lake is used for municipal water supply in San Luis Obispo County and is not released to the river. In 2009, the MCWRA constructed the Salinas River Diversion Facility (SRDF) near the Salinas Valley Reclamation Plant (Figure A-10). Water released from San Antonio and Nacimiento Reservoirs which has not percolated into the Salinas Valley Groundwater Basin may be reddiverted at the SRDF. The facility includes an inflatable

¹³ Salinas River Stream Maintenance Program EIR, Executive Summary, Cardno ENTRIX, 2013

¹⁴ DWR Bulletin 118, description of Subbasin 3-4.01

rubber dam that creates a seasonal intake pool for the diversion pump station, a metered release weir for maintenance of downstream flows and a fish ladder (Figure 2.4).

Figure 2.4: Salinas River Diversion Facility¹⁵



The U.S. Geologic Survey operates a stream flow gage on the Salinas River below Spreckels, approximately 3-miles upstream of Davis Road and the SIWTF. Daily flow readings are available from October 1, 1929 to present. Data were analyzed for the period 10/1/1931-12/31/2013, to be consistent with the period of precipitation data used for runoff analysis. The stream gage data allow a review of the river conditions before the construction of the two major reservoirs (1932-1956), regulated flows for groundwater recharge (1957-2009) and increased flows for rediversion at the SRDF (2010-2013) (see Table 2-6, below, and Tables B-6, B-7 and B-8 in Appendix B). The decline in average annual flows during the regulated period represents almost 90,000 AFY going into groundwater recharge. Summer flows (July-September) averaged less than 5 cfs under natural conditions, but increased to over 20 cfs once the reservoirs were operated to maintain year-round flow in the river. Similarly, average winter flows (January-March) decreased by 25% due to the capture of peak flows in the reservoirs.

¹⁵ AMBAG aerial imagery

Table 2-6: Annual Flow, Salinas River near Spreckels

Water Years (Oct to Sep)	Average Flow (AFY)	Median Flow (AFY)	Period Description
1932-2013	297,070	121,392	All years of record
1932-1956	362,407	224,798	Prior to reservoirs
1957-2009	276,431	88,450	Regulated Flows
2010-2013	162,187	112,900	Increased releases for SRDF

As a condition of operating the SRDF, MCWRA must maintain certain in-stream flows in the Salinas River. When San Antonio and Nacimiento Reservoirs have a combined storage of 220,000 acre-feet, the SRDF has a requirement to release (1) a minimum of 15 cfs downstream from April 1 to June 30, and (2) a minimum of 2 cfs downstream from July 1 to the end of the SRDF operating season for maintenance of the Salinas River Lagoon habitat. Higher flow releases are triggered during steelhead migration season if the Salinas Lagoon is open to the ocean. When the combined storage in the two reservoirs is under 220,000 ac-ft and/or the water year type is Dry, the minimum bypass requirement for Salinas River Lagoon habitat maintenance is 2 cfs while the SRDF is in operation. In Table 2-7, the recorded daily by-passed flows at the SRDF during years 2012 and 2013 are provided (fish ladder plus regulating weir, as shown in Figure 2.5). Unmetered flows also occurred across the 144-ft wide dam face. The table includes the number of days the average water level behind the dam was higher than the dam crest. Water year 2012 was classified as a dry year, so the trigger for fish passage releases was not met. Water year 2013 was classified as a dry-normal year, so increased releases for Salinas Lagoon habitat maintenance were made. The required minimum releases are included in the table.

The proposed project will reduce inflows above the SRDF by capturing flows from the Blanco Drain and reducing percolation from the SIWTF into the river. Those reductions are tabulated by month in Table 2-8. Urban stormwater will also be captured, but rain events are typically single-day occurrences, so they were omitted from the table. The project will reduce inflows by 3 cfs up to 8.6 cfs during the SRDF operating season. In a dry year, this should not affect the achievement of minimum releases, but it will reduce the frequency of unmetered releases over the dam crest. During years where passage flow releases are required, full diversion under the proposed project will reduce the frequency of unmetered releases over the dam crest, and may affect the achievement of minimum releases. The MCWRA releases between 350 cfs and 550 cfs from Nacimiento and San Antonio Reservoirs when the SRDF is operating, but less than 50 cfs (about 10%) remains in-stream at the Spreckels gage¹⁶. The majority of the released flow goes to groundwater recharge and riparian evapotranspiration above Spreckels. The SRDF diversion rate is an average 20 cfs. Due to the significant losses and travel time between the

¹⁶ Salinas Valley Water Project, Annual Flow Monitoring Report, Water Year 2013, and USGS Gage 11152500, Salinas River near Spreckels

reservoirs and the SRDF, flows reductions affecting the by-pass releases would likely be addressed by temporarily reducing SRDF pumping before adjusting the reservoir release schedule. A portion of the diversions made for the proposed project will be used to augment the CSIP supply, off-setting the effect of any temporary SRDF reduction.

The SRDF was not operated during 2014 due to the extended drought. Reservoir releases were made from San Antonio and Nacimiento Reservoirs for groundwater recharge, but no flow was recorded at the Spreckels gage. Agricultural wash water was diverted from the SIWTF to the municipal wastewater system starting in April 2014 to provide additional source water to the Salinas Valley Reclamation Plant, and by late July the SIWTF ponds had been drained for maintenance. The mean water level for the Salinas River Lagoon¹⁷ was 10.42 feet in August 2013 and 10.50 feet in August 2014. The water level in the lagoon is controlled by a slide gate to maintain habitat, so the effect of diverting agricultural wash water could not be observed.

Figure 2.5: SRDF Release Weir



¹⁷ California Data Exchange Center, data for Station SLG. Station datum is unknown.

Table 2-7: SRDF By-Passed Flows

Month	Year	Average Daily Metered By-Passed Flow ¹⁸	No. of Days with Unmetered Excess Releases	Required Minimum By-Pass ¹⁹
		(cfs)	Count	cfs
4	2012	22.5	28	2.0
5	2012	18.6	18	2.0
6	2012	9.1	12	2.0
7	2012	10.1	17	2.0
8	2012	11.3	7	2.0
9	2012	18.3	20	2.0
10	2012	15.0	28	2.0
11	2012	57.3	19	2.0
4	2013	15.6	2	15.0
5	2013	17.0	22	15.0
6	2013	16.4	18	15.0
7	2013	12.3	25	2.0*
8	2013	11.8	20	2.0*
9	2013	13.9	29	2.0*
10	2013	10.1	22	2.0*
11	2013	11.5	0	2.0*

* Due to calibration limits, when releasing only through the fish ladder, MCWRA uses a target of 7 cfs to ensure a minimum 2 cfs is achieved

Table 2-8: Projected Daily Project Diversions

Month	SIWTF Seepage (Loss assumption)	Blanco Drain Diversion at 6 cfs (100% capture)	Total Potential Flow Reduction
	cfs	cfs	cfs
4	3.0	5.6	8.6
5	3.0	5.0	8.0
6	3.0	5.6	8.6
7	3.0	5.3	8.3
8	3.0	4.8	7.8
9	3.0	3.6	6.6
10	3.0	2.4	5.4
11	3.0	1.1	4.1

¹⁸ Salinas Valley Water Project, Annual Flow Monitoring Report, Water Year 2012 and 2013

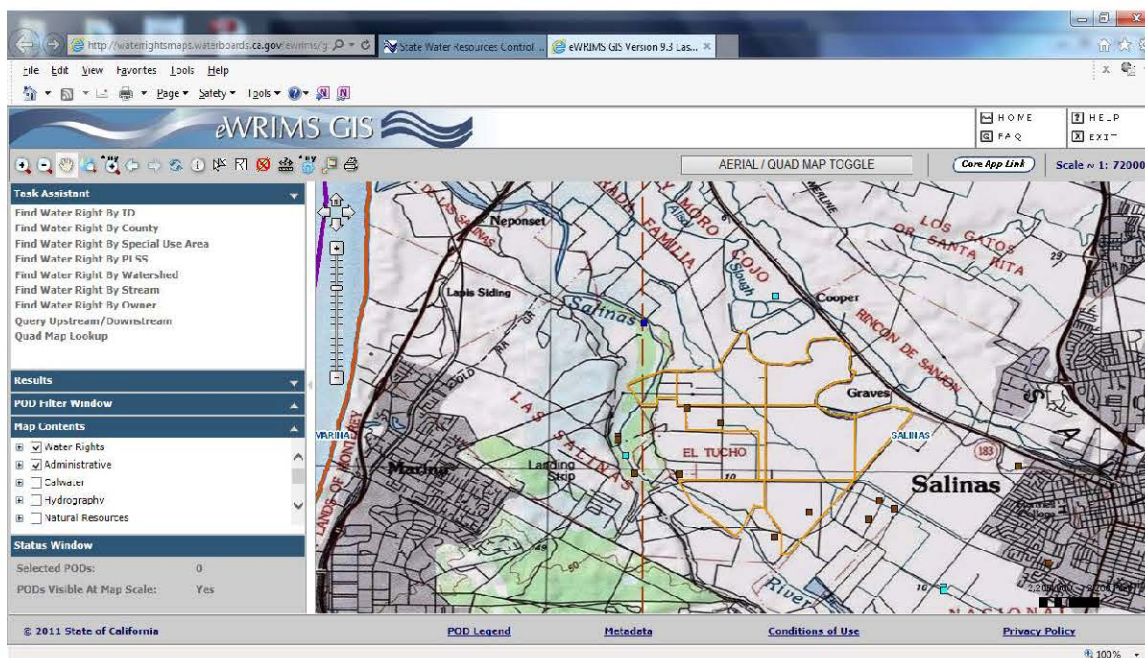
¹⁹ Salinas Valley Water Project, Annual Flow Monitoring Report, Water Year 2012 and 2013

2.5 Water Rights Database Review

Water that enters surface streams and rivers is considered water of the state. A water rights permit is required to impound or divert waters of the state, except for certain riparian uses. Stormwater runoff from the City of Salinas does not become water of the state until it is discharged to the river. Agricultural wash water originates as groundwater supply, and does not become water of the state until it percolates into the river. Stormwater and agricultural return flows in the Blanco Drain would be subject to water rights permitting rules. Existing surface water rights were researched to assess potential impacts to current water right holders or challenges to the proposed diversions.

The State Water Resources Control Board Electronic Water Rights Information Management System (eWRIMS) was queried to identify existing water rights in the Lower Salinas Watershed. A listing of all current water rights for Monterey County was obtained using a database query. The Points of Diversion (PODs) within the Lower Salinas watershed and vicinity were identified using the on-line GIS mapping tool. The POD listing was used to create a tailored list of water rights within the area of interest (see Tables B-9 and B-10).

Figure 2.6: SWRCB eWRIMS Interface



The SWRCB Water Rights Order 98-08, Declaration of Fully Appropriated Stream Systems in California, identifies those stream segments which cannot support additional authorizations for diversion. The Lower Salinas River was not listed in that decision, so there is no regulatory prohibition on requesting a water right on the river or its tributary streams.

The water rights listing includes several water right types:

- Appropriative, for the diversion and use of surface water.
- Stockpond, for the on-stream impoundment and use of water.
- Statements of Diversion and Use, for reporting riparian use of surface water and for the use of groundwater. Statements of Diversion and Use are also used for claims of pre-1914 appropriative water rights. The limitation of the eWRIMS database is that most Claimed water rights do not appear with a Face Amount the way Appropriative Rights are listed.

The majority of the existing points of diversion downstream of Davis Road are for groundwater use. The sources for these are variously listed as “Salinas River Underflow”, “Salinas Valley Basin” and “Groundwater Use.” The shallow “A-Aquifer” groundwater in this area is not used due to poor water quality. Wells in this area tap the 180-ft and 400-ft aquifers of the Salinas Valley Groundwater Basin (SVGB), which are recharged from the Forebay and Upper Valley subareas and are separated from the overlying A-Aquifer by the Salinas Valley Aquitard²⁰. Reducing surface water discharges to the river for this project should not affect groundwater yields from the SVGB.

The MCWRA has three water rights (Permits 10137, 21089 and 12261) for water diversion and storage in San Antonio and Nacimiento Reservoirs, with authorized points of redirection at the Salinas River Diversion Facility (SRDF) (small blue square on the map above). The MCWRA must release flows from the upstream reservoirs in order to redirect them at the SRDF. There are no other surface water rights with points of diversion below the SRDF. MCWRA has a fourth water right, Permit 11043, for run-of-river flows with two authorized points of diversion upstream of Davis Road (one near Spreckels and one near Soledad). This fourth water right has not been used but has a priority date of July 11, 1949.

²⁰ California Groundwater Bulletin 118, Subbasin 3-4.01, Salinas Valley Groundwater Basin, 180/400 Foot Aquifer Subbasin

Section 3 - Impacts Analysis

3.1 In-Stream Flow Analysis

A quantitative analysis of the Project's effects on the Salinas River was performed by modeling the daily river flows under the current condition and under several project conditions. The change in river flows can then analyzed for effects on (1) downstream water rights diversions, and (2) in-stream habitat. There are no run-of-river water rights downstream of the Proposed Project's source water diversions; therefore the assessment of river flow changes only looks at flow levels required to maintain habitat. In the Steelhead Habitat and Passage Effects Assessment Technical Memorandum, the fisheries biologist identified the South-Central California Steelhead as a Federally Threatened species with Critical Habitat occurring in the Salinas River. The biologist further identified four target flow rates for the Salinas River, as required for juvenile and smolt migration downstream and adult migration upstream (Table 3-1).

Table 3-1: Target Flows for Maintenance of Steelhead Critical Habitat²¹

Case	Required Flow Depth	Channel Width	Target Flow
Adult Immigration	0.6 feet	25% of channel	72 cfs
Adult immigration	0.6 feet	8 feet (min)	60 cfs
Juvenile and Smolt Emigration	0.4 feet	25% of channel	56 cfs
Juvenile and Smolt Emigration	0.4 feet	8 feet (min)	50 cfs

The three proposed sources of supply for the Proposed Project contribute flow to the Salinas River above the SRDF. Impacts on river flows due to removing or reducing these sources were assessed using a mass-balance analysis at a point below the SRDF rubber dam (see Figure 3.1, below). Table 3-2 provides the relative locations of the facilities shown in Figure 3.1.

Table 3-2: Relative Locations of Facilities in this Analysis

Description	River Mile (Salinas River)
USGS Gage 11152500, Spreckels	13.2
Salinas Stormwater Outfall	11.2
Davis Road	10.9
SIWTF Ponds	9.2 – 10.7
Blanco Road	7.5
Blanco Drain	5.1
SRDF	4.8
Analysis Point	4.7

²¹ Pure Water Monterey Groundwater Replenishment Project, Steelhead Habitat and Passage Effects Assessment Technical Memorandum, HDR Engineering, 2015

Flows in the Salinas River were calculated using a daily time step model and aggregated on a monthly basis, using the following equations:

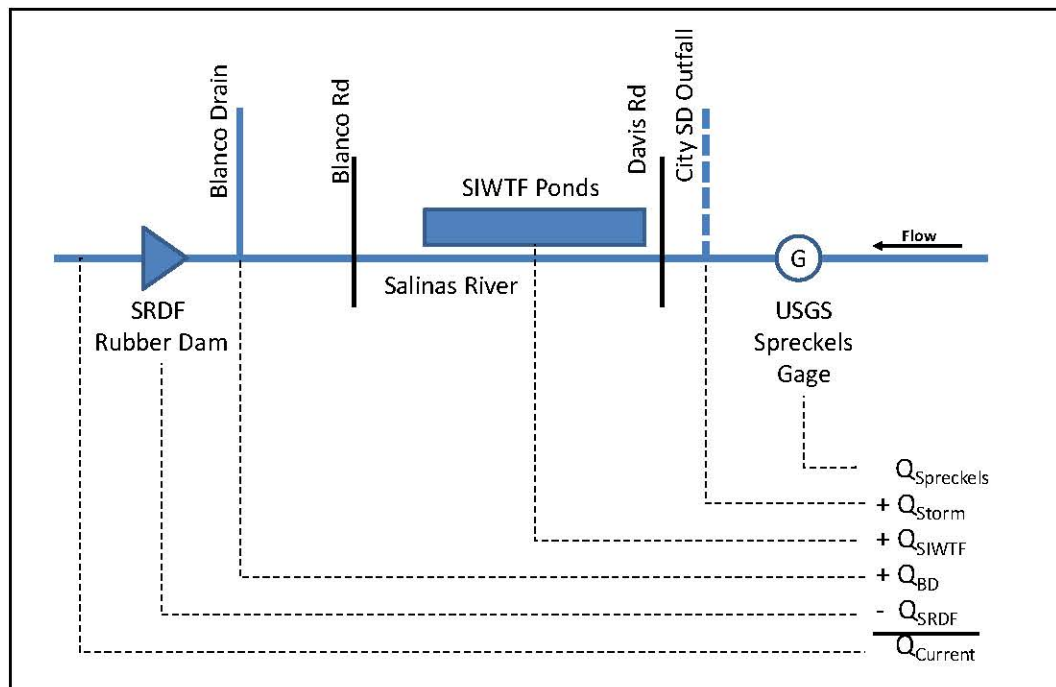
$$\text{Current Condition: } Q_{\text{Current}} = Q_{\text{Spreckels}} + Q_{\text{Storm}} + Q_{\text{SIWTF}} + Q_{\text{BD}} - Q_{\text{SRDF}}$$

$$\text{Project Condition: } Q_{\text{Project}} = Q_{\text{Current}} - Q_{\text{StormCapture}} - Q_{\text{SIWTF}} - Q_{\text{BD_Capture}}$$

Where:

Q_{Current}	is the estimated river flow below the Salinas River Diversion Facility (SRDF)
$Q_{\text{Spreckels}}$	is the USGS gaged flow in the Salinas River at Spreckels
Q_{Storm}	is the stormwater discharge from Salinas (estimated by S&W)
Q_{SIWTF}	is the seepage from the SIWTF ponds to the Salinas River (estimate by Todd)
Q_{BD}	is the Blanco Drain discharge to the Salinas River (estimated by S&W)
Q_{SRDF}	is the recorded diversions at the SRDF (2010-2013 only)
$Q_{\text{StormCapture}}$	is the estimated stormwater capture at TP1
$Q_{\text{BD_Capture}}$	is the estimated diversion from the Blanco Drain
Q_{Project}	is the estimated river flow below the SRDF under project conditions

Figure 3.1: Salinas River In-Flow and Out-Flow Schematic



Monthly water balances for the various percolation facilities at the SIWTF were estimated for baseline and GWR Project conditions by Todd Groundwater (2015). The calculations accounted for rainfall, evaporation and percolation at the aeration pond, Ponds 1, 2 and 3, the drying beds and the rapid infiltration basins. Measurements of river flow and quality in fall 2013 indicated that about 3.0 cfs of pond percolation was flowing via subsurface flow paths into the river. Under GWR Project operation, Ponds 1, 2 and 3 would be mostly full in winter and spring and be dry in

summer and fall. The change in monthly seepage into the river would therefore probably range from 0 to 3 cfs. The impact analysis here assumes a worst-case change of 3.0 cfs year-round, which would require lining the ponds to prevent percolation or diverting flows to the RTP year-round.

Daily calculations were performed for the period 10/1/1931 to 12/31/2013 for four conditions:

Case 0: Current condition (no diversions)

Case 1: Divert Ag. Wash Water and Stormwater at TP1, no diversion at Blanco Drain

Case 2: Divert Ag. Wash Water and Stormwater at TP1, and 2.99 cfs at Blanco Drain

Case 3: Divert Ag. Wash Water and Stormwater at TP1, and 6.0 cfs at Blanco Drain

This methodology does not consider other inflows (agricultural tile drainage and seepage from other wastewater treatment facilities) and losses (evaporation and seepage into the shallow aquifer) between the Spreckels gage and the SRDF. However, these other inflows and losses are not affected by the proposed project, so their omission does not affect the comparison of the current condition model to the project condition models.

The modeled average annual flow totals are provided in Table 3-3, below. As can be seen, the proposed diversions account for less than 2% of the average annual flow downstream of the SRDF. Assuming that pond percolation would continue for more than six months per year, the reduction in average annual flow downstream of the SRDF would be less than 1%.

Table 3-3: Modeled Average Annual Flows

Case	Reduction (AFY)	Net Flow below SRDF (AFY)	Percent of Case 0
0, Base Condition		301,916	
1, Divert at TP1 only	2,397	299,519	99.21%
2, Divert at TP1 plus 2.99 cfs at Blanco Drain	4,501	297,415	98.51%
3, Divert at TP1 plus 6.0 cfs at Blanco Drain	5,017	296,899	98.34%

Seepage flows converted using 1 cfs = 724 AFY

Modeled period is 10/1/1931 to 12/31/2013

A comparison of the total number of days meeting the four flow targets is presented in Table 3-4. The detailed modeling results are presented in Appendix C as (1) statistical counts of days per month that the modeled flow equaled or exceeded the target flow, under the four conditions listed above, (2) monthly percentile tables of the modeled flow rates under the four conditions, and (3) graphs of the monthly flow exceedance curves. An assessment of the impacts on fish passage was prepared separately, based upon the monthly results.

Table 3-4: Model Results, Number of Days meeting Flow Targets

Flow (cfs)	Case 0		Case 1		Case 2		Case 3	
	No. Days	Percent	No. Days	Percent	No. Days	Percent	No. Days	Percent
72	7,428	24.72%	7,325	24.38%	7,242	24.11%	7,239	24.10%
60	7,814	26.01%	7,701	25.63%	7,604	25.31%	7,596	25.28%
56	7,984	26.58%	7,841	26.10%	7,755	25.81%	7,743	25.77%
50	8,252	27.47%	8,083	26.90%	7,971	26.53%	7,960	26.50%

Percentage calculated out of 30,043 total days modeled.

When the Salinas River Lagoon is closed to the ocean, the water level is maintained at 3-feet above mean sea level by use of a slide gate controlling outflow into the Old Salinas River channel. This management method creates a backwater effect that extends 3 to 4 miles upstream, nearly reaching to the SRDF site²². Reducing the excess flows passing the SRDF during the summer months may reduce the upstream extent of the backwater effect, exposing more of the seasonal sand bars in the channel bottom. The minimum by-pass flows under the SRDF and agricultural return flows along this reach of the river will prevent the channel from completely dewatering.

The outflow from the Salinas River Lagoon into the Old Salinas River Channel through the slide gate is limited to 120 cfs²³. During the winter-spring wet season, peak flows due to rain events breach the coastal dune and open the lagoon to the ocean. Once the lagoon is open to the ocean, the slide gate to the Old Salinas River is closed. Capturing urban stormwater during lagoon opening rain events may delay the opening by a few hours, because the urban runoff from Salinas reaches the Salinas River earlier than runoff from other portions of the watershed. If the season is wet enough to maintain the open mouth of the lagoon into the spring irrigation season, the Project will not need to divert flows from the Blanco Drain, so urban runoff capture would be the only project diversion affecting river flows.

²² Historic imagery and topographic maps

²³ Coastal Commission Permit No. 3-95-58

3.2 Water Quality Considerations

The Central Coast Regional Water Quality Control Board (CCRWQCB) Water Quality Control Plan for the Central Coast Basin (Basin Plan) designates beneficial uses of the Salinas River below Spreckels as including municipal and domestic supply, agricultural supply, non-contact water recreation, wildlife habitat, warm and cold water fish habitat, freshwater replenishment (of the Salinas Lagoon) and commercial or sport fishing.

The Salinas River is listed as an impaired water body pursuant to Section 303(d) of the Clean Water Act for chlorides, pesticides, *Escherichia coli*, fecal coliform, nitrate, total dissolved solids, turbidity and other factors. Water quality has been sampled and monitored for the past 15 years under various programs, including the Central Coast Ambient Monitoring Program (CCAMP) under the RWQCB, the Central Coast Watershed Studies (CCoWS) program of the Watershed Institute at California State University Monterey Bay, and the Cooperative Monitoring Program under the Conditional Waiver of Waste Discharges from Irrigated Lands (Ag Waiver). The results of these programs have been consolidated in Table B-11, Stream Water Quality, for the Salinas River, Salinas Lagoon and the Old Salinas River. Figure A-8 shows the primary sampling locations.

The Central Coast RWQCB adopted order R3-2013-0008 to establish Total Maximum Daily Loads (TMDL) for pollutants in the lower Salinas River Basin in 2013. These and other applicable water quality standards are consolidated in Table B-12, Total Maximum Daily Loads. A summary of the key parameters for the Salinas River are shown in Table 3-5, below.

Table 3-5: Water Quality Parameters, Salinas River below Spreckels

Parameter	Units	Mean ₁	Max ₁	Standard ₂
Ammonia as N, Unionized	mg/L	0.02	0.13	0.025
Ammonia as NH ₃	mg/L	0.12	0.98	0.025 <i>Note 3</i>
Chlorophyll a, water column	mg/L	0.0033	0.023	0.015
Chlorpyrifos	mg/L	0.0011	0.029	0.00025
Diazinon	mg/L	0.008	0.22	0.00016
Dissolved Solids, Total	mg/L	369.60	610.00	1000 <i>Note 3</i>
Nitrate as N	mg/L	5.08	78.00	1.4 (May-Oct) 8.0 (Nov-Apr)
OrthoPhosphate as P	mg/L	0.23	2.60	0.07 (May-Oct) 0.3 (Nov-Apr)
Oxygen, Dissolved	mg/L	0.36	2.66	> 7.0
Turbidity	NTU	118.66	2,584.00	10 <i>Note 3</i>

1. Max and Mean values reflect all results in the CCAMP/CCoWS database
2. Listed Total Maximum Daily Load (TMDL) established by CC RWQCB, except where noted
3. Proposed TMDL from CCAMP program

The City of Salinas operates the SIWTF under Waste Discharge Requirement Order R3-2003-0008. The City also has an NPDES permit (number CA0049981, order R3-2012-0005) for municipal stormwater discharges. Both of these permits require water quality monitoring and reporting. For the SIWTF, influent and effluent water quality is monitored at the plant. For stormwater, the City monitors stormwater outfalls and receiving streams at various locations (see Figures A-11 and A-12). Table 3-6, below, shows the most recent sampling results for those parameters included in Table 3-5.

Table 3-6: City of Salinas, Water Quality Sampling

Analyte Name	Units	Stormwater at 309U19	SIWTF Effluent ₁	Standard
Ammonia as N, Unionized	mg/L	0.00022	NR	0.025
Chloride	Mg/L	NR	318	150
Dissolved Solids, Total	mg/L	50.8	1011	1000
Nitrate as N	mg/L	ND	0.12	1.4 (May-Oct) 8.0 (Nov-Apr)
OrthoPhosphate as P	mg/L	0.2	NR	0.07 (May-Oct) 0.3 (Nov-Apr)
Oxygen, Dissolved	mg/L	5.54	>4.5	>7
Turbidity	NTU	44.7	NR	10

Stormwater results from 2012-2013 season, SIWTF results from 2013

ND = not detected, NR = testing not required

Note 1: Effluent sampling conducted on flows from ponds to disposal beds

The results above are typical of those in previous annual reports. The stormwater runoff is generally of equal or better quality than the Salinas River that receives it. It meets the Central Coast RWQCB Basin Plan objectives in some categories. In the categories of turbidity and orthophosphate, it exceeds the basin plan objectives but is below the average concentration in the receiving stream. Although the stormwater runoff may slightly improve the quality of the water in the river, the Salinas River basin is so large that diverting urban stormwater runoff to the Proposed Project should have no appreciable effect on water quality within the Salinas River.

Effluent from the SIWTF is not tested for ammonia or orthophosphate, so a general water quality comparison with the Salinas River cannot be made. The effluent exceeds the Basin Plan objective for Chloride and Total Dissolved Solids (TDS). Diverting Industrial Wastewater to the Proposed Project may result in reduced TDS levels in the river, particularly in summer months when percolation from the SIWTF makes up a significant portion of the river flow. Under natural conditions, the impact of removing inflows to downstream riparian habitats during the summer months may have a greater impact than the benefit of reducing the TDS might justify. However, under the current condition with increased flows released to the SRDF during the

summer months, the SIWTF inflows represent a smaller percentage of the total streamflow and the impact of their removal would be reduced.

3.3 Hydrology Considerations

The California Environmental Quality Act (CEQA) requires that effects of the Proposed Project on surface water hydrology be analyzed to identify impacts in the following areas:

- a. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on- or off-site?

The Project components addressed in this report, diversions of agricultural wash water, Salinas urban runoff and flows from the Blanco Drain, would capture some stormwater which currently flows to the Salinas River. Reducing urban runoff into the Salinas River, particularly the first flush as storms begin, would reduce the amount of suspended solids conveyed to the river and may reduce peak flows being discharged into the river. The change in operation at the SIWTF to facilitate the diversion of agricultural wash water would have no effect on erosion and siltation, because that water is currently disposed of using evaporation and percolation. The diversion of Blanco Drain flows would reduce the amount of sediment carried from the Blanco Drain into the main stem of the Salinas River, and the channel around the inlet structure for the diversion pump station would be lined with concrete to prevent local scour and erosion. The Blanco Drain diversion may not be required to operate during wet winter months when storm runoff typically occurs. In that case, the conveyance of sediment from the Blanco Drain into the River will be no greater than under the current condition.

The construction of the Blanco Drain diversion structure and pipeline will require open-cut excavation, which will require the use of erosion and sediment controls to prevent the migration of sediments into the river. The pipeline crossing of the river will be installed using trenchless methods to avoid impacts to the channel. The pipeline trench will be restored to prevent erosion, either by reseeding (if outside a roadway) or by resurfacing if in a trafficked area.

- b. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?

The Project would not make physical changes to the Salinas River, and the operation of the Project would reduce the amount of surface runoff entering the river. The proposed project components would increase impervious areas by a small amount including less than 1000 square feet each at the TP1 site, the SIWTF and the Blanco Drain. The Project would not substantially alter the existing drainage patterns of any of the proposed project sites.

- c. Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

The Project components discussed in this report would add structures at various locations, including (1) new diversion structures at TP1, (2) two new pump stations at the SIWTF, and (3) a new pump station at the Blanco Drain. Up to 1,000 sq-ft of impervious surface may be added at each site, and runoff from the new hardscape would be directed to existing drainage structures or channels. The soils at these sites are Type C (runoff coefficient >80), so the increase in runoff will be small and within the available existing drainage system conveyance capacity. Runoff from the SIWTF TP1 site and Blanco Drain would be diverted to the Project. No impact is expected under this criterion.

- d. Would the project place within a 100-year flood hazard area structures that would impede or redirect flood flows?

The Project would not make physical changes to the Salinas River, but it would add a diversion pump station on the Blanco Drain adjacent to an existing pump station and new pump stations at the SIWTF. All of these would be located within 100-year flood hazard areas. The proposed Blanco Drain pump station intake would be located at the channel bottom, and would be configured to not alter the conveyance capacity of the Blanco Drain. The pump stations within flood hazard areas would be configured with submersible pumps and elevated electrical controls so that they are not affected by occasional inundation. They should not require padded sites requiring revisions to the flood hazard maps.

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Appendix A: Figures

Figure A-1: SIWTF Project Area

Figure A-2: Treatment Plant 1 (TP1 Site)

Figure A-3: Salinas Stormwater Drainage Basins

Figure A-4: Salinas Stormwater Pump Station and Outfall

Figure A-5: Old Salinas River and tributaries

Figure A-6: Storm Drain Maintenance District Number 2, Blanco Drain

Figure A-7: MRWPCA Interceptor System Schematic

Figure A-8: Salinas River Watershed

Figure A-9: Salinas Valley Groundwater Basin, Hydrologic Subareas

Figure A-10: MRWPCA and MCWRA Facilities

Figure A-11: City of Salinas Water Sampling Sites

Figure A-12: CCAMP/CMP Water Sampling Sites

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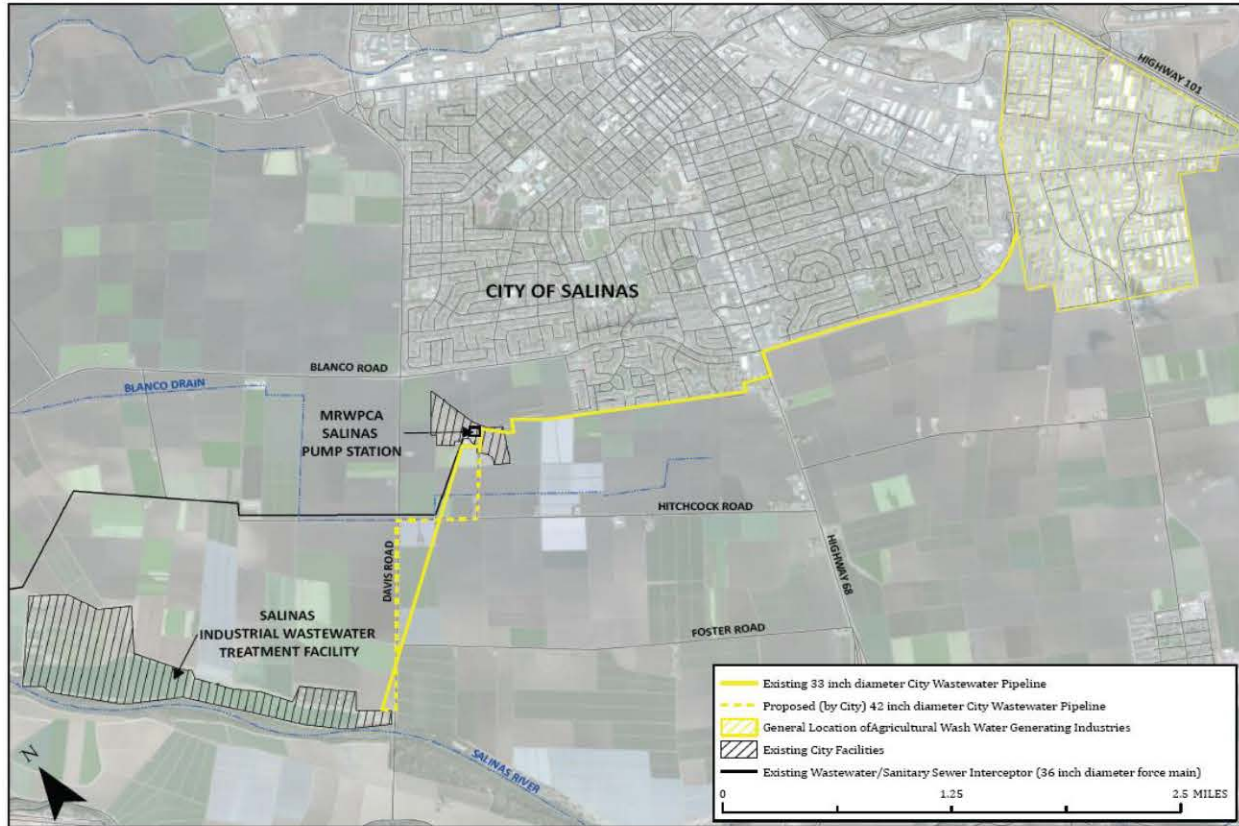


Figure A-1: Salinas Industrial Wastewater Treatment Facility Project Area

Source: GWR Project Description, Denise Duffy & Associates, 2014

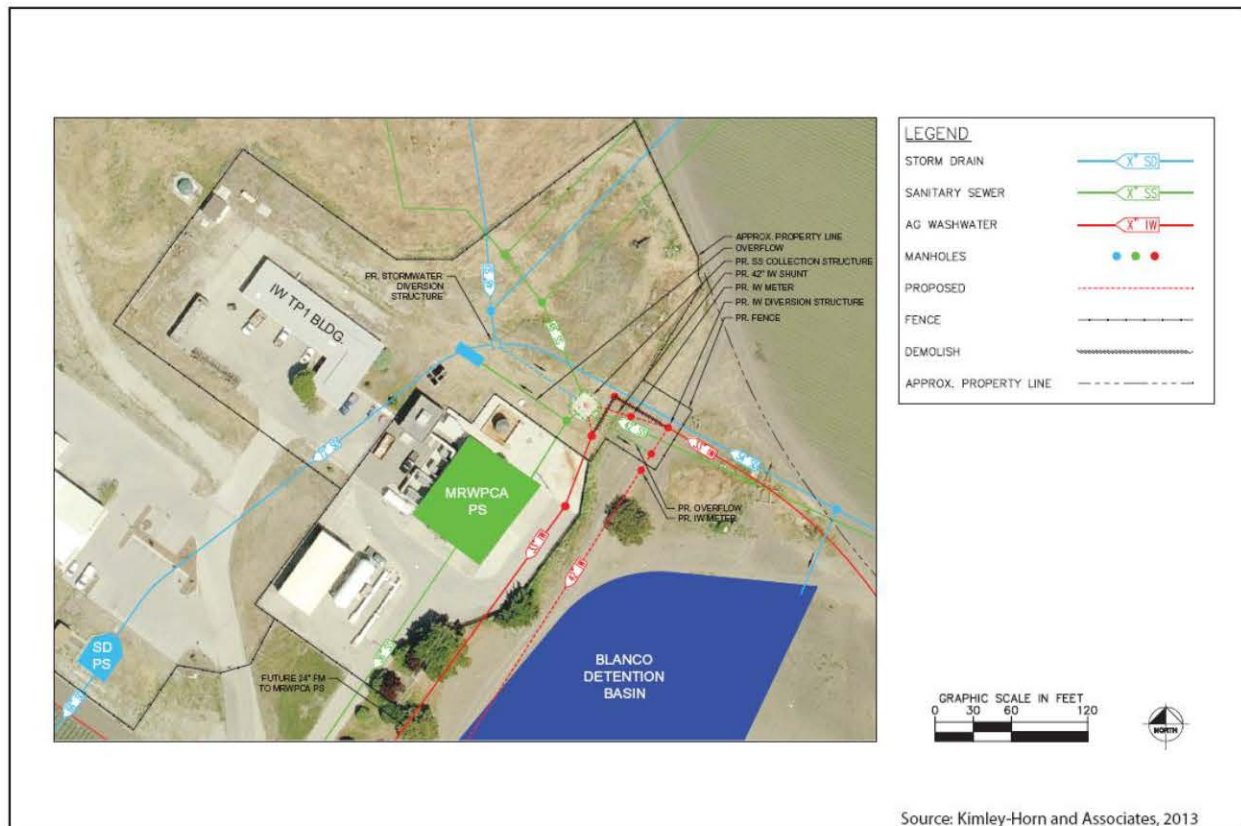


Figure A-2: Treatment Plant 1 (TP1 site)

Source: Monterey Peninsula Groundwater replenishment Project, Source Water Alternatives Report, Kimley-Horn and Associates, 2013

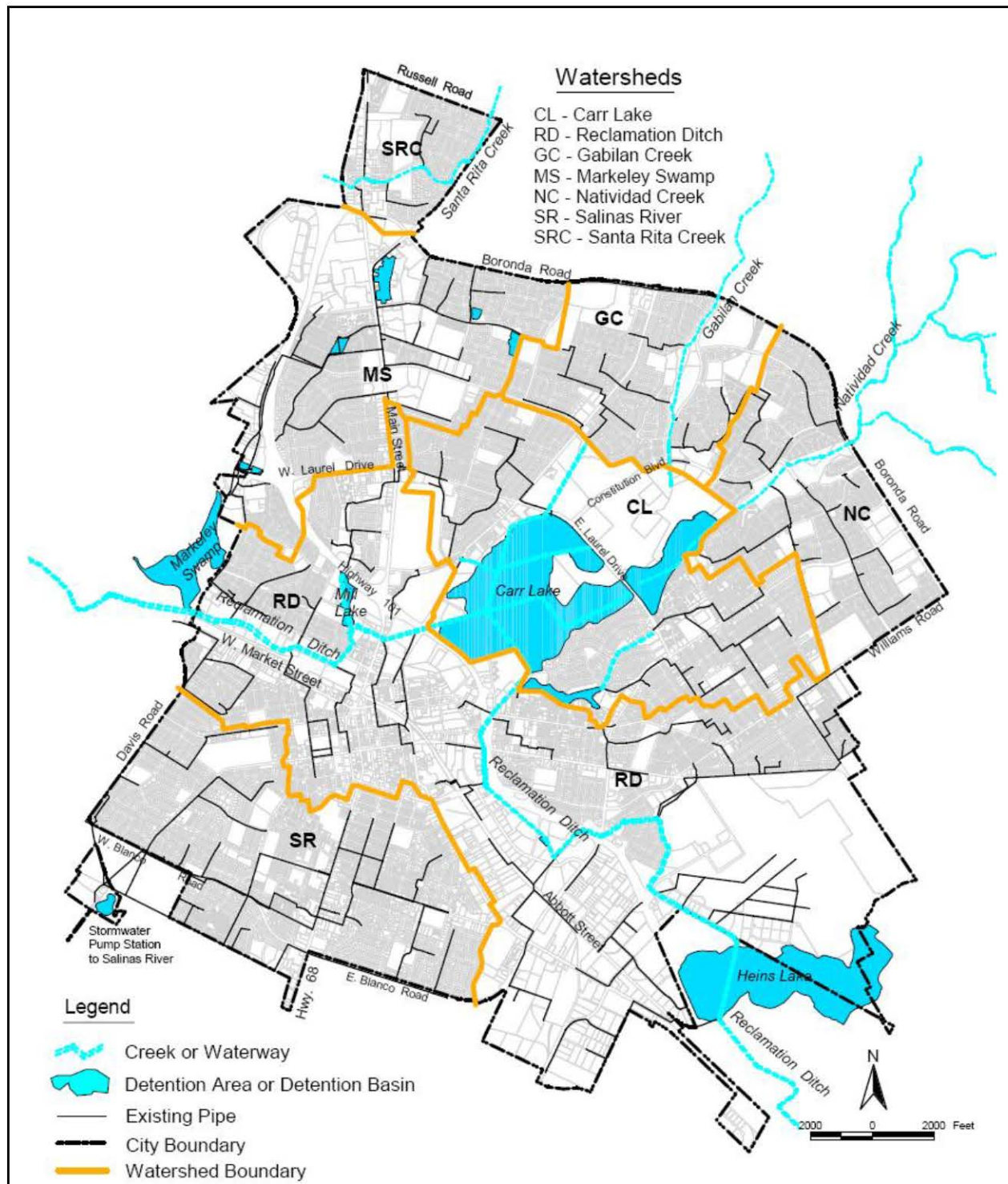


Figure A-3: Salinas Stormwater Drainage Basins

Source: City of Salinas Storm Water Master Plan, CDM, 2004

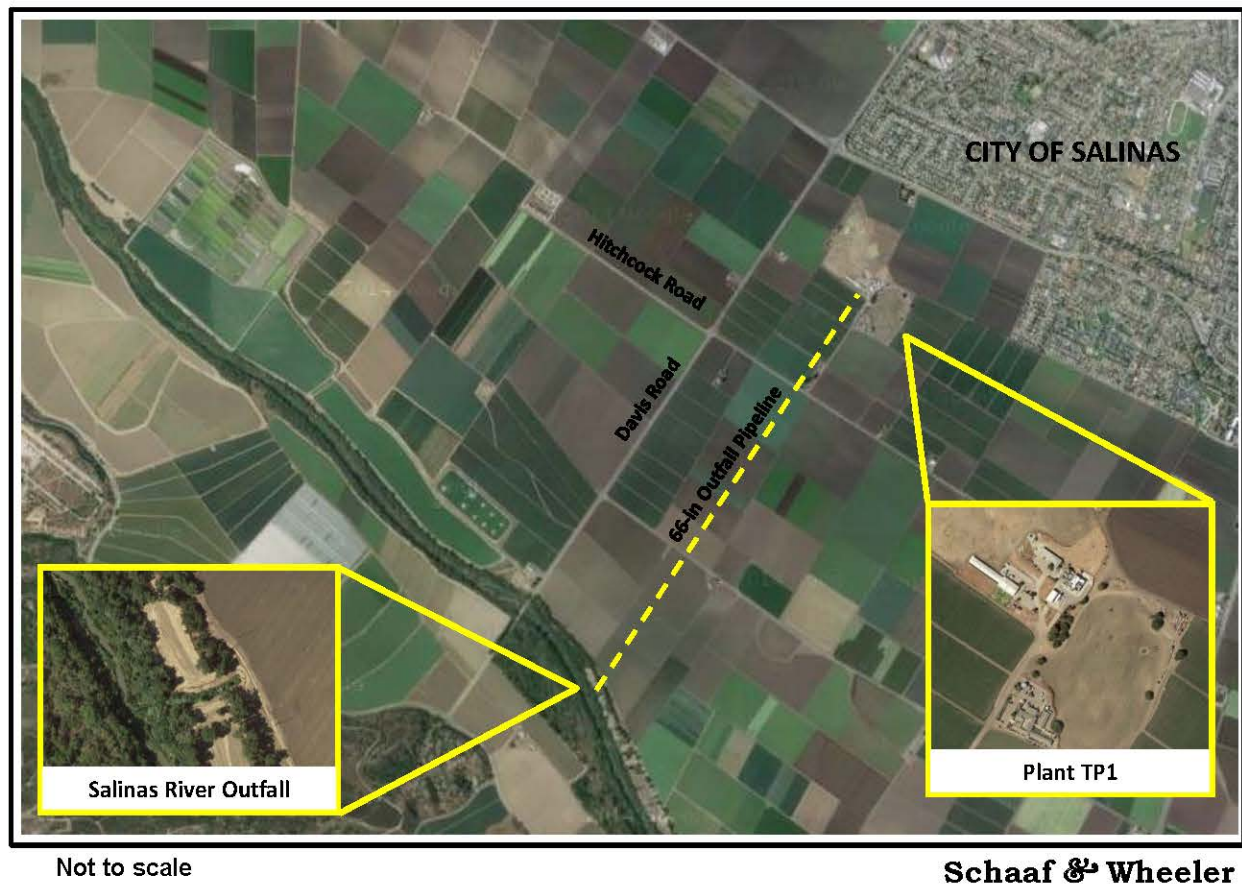


Figure A-4: Salinas Stormwater Pump Station and Outfall



Figure A-5: Old Salinas River and Tributaries

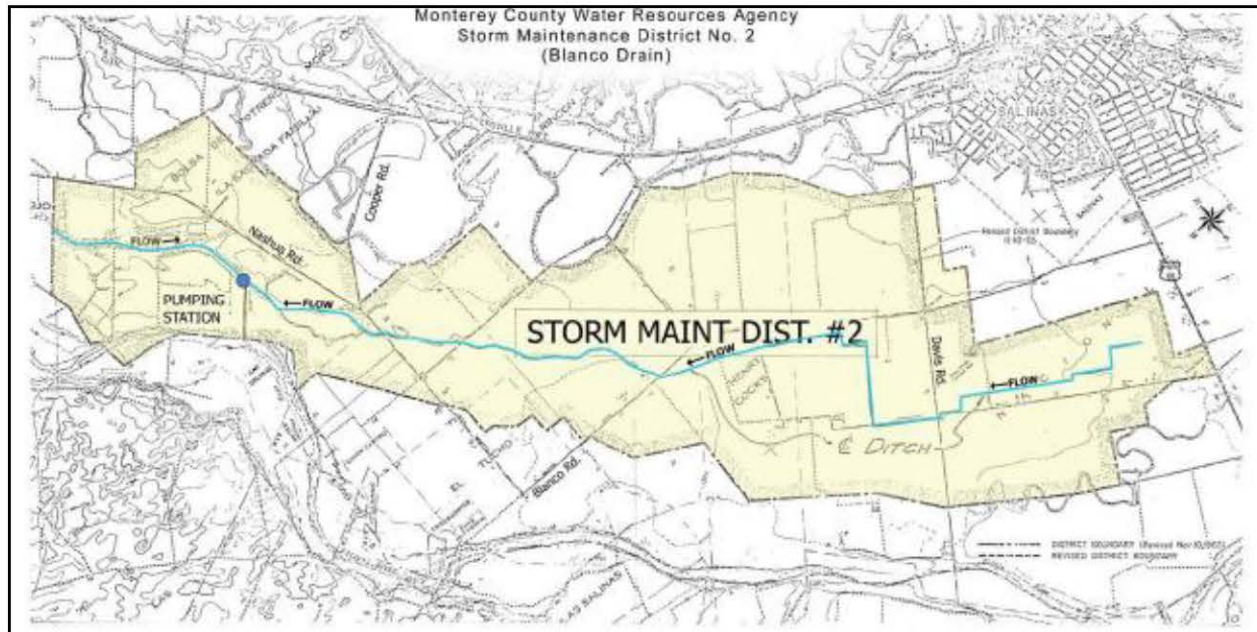


Figure A-6: Storm Drain Maintenance District No. 2, Blanco Drain

Source: Monterey County Water Resources Agency

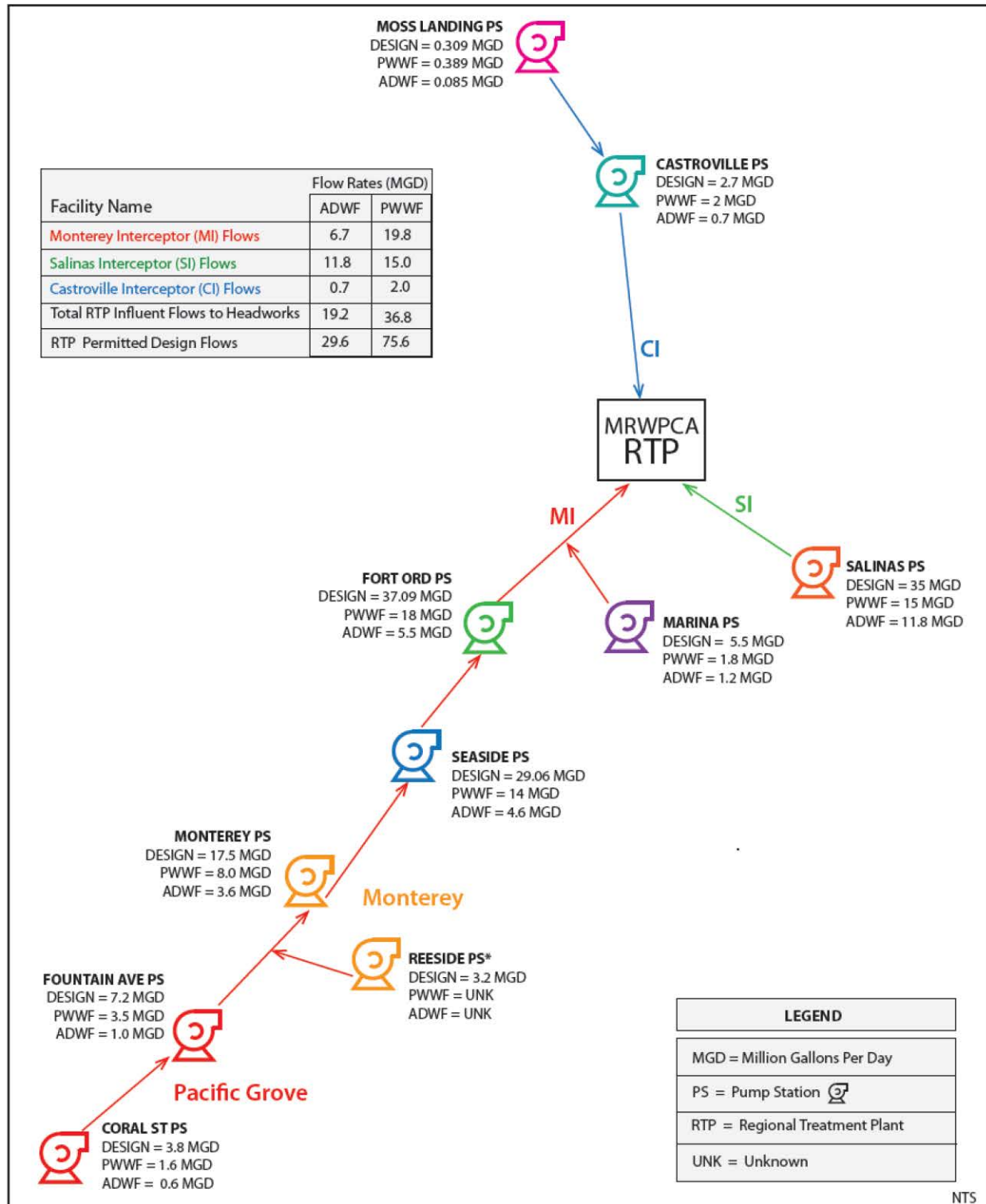


Figure A-7: MRWPCA Interceptor System Schematic

Source: Brezack and Associates Planners, September 2013



Figure A-8: Salinas River Watershed

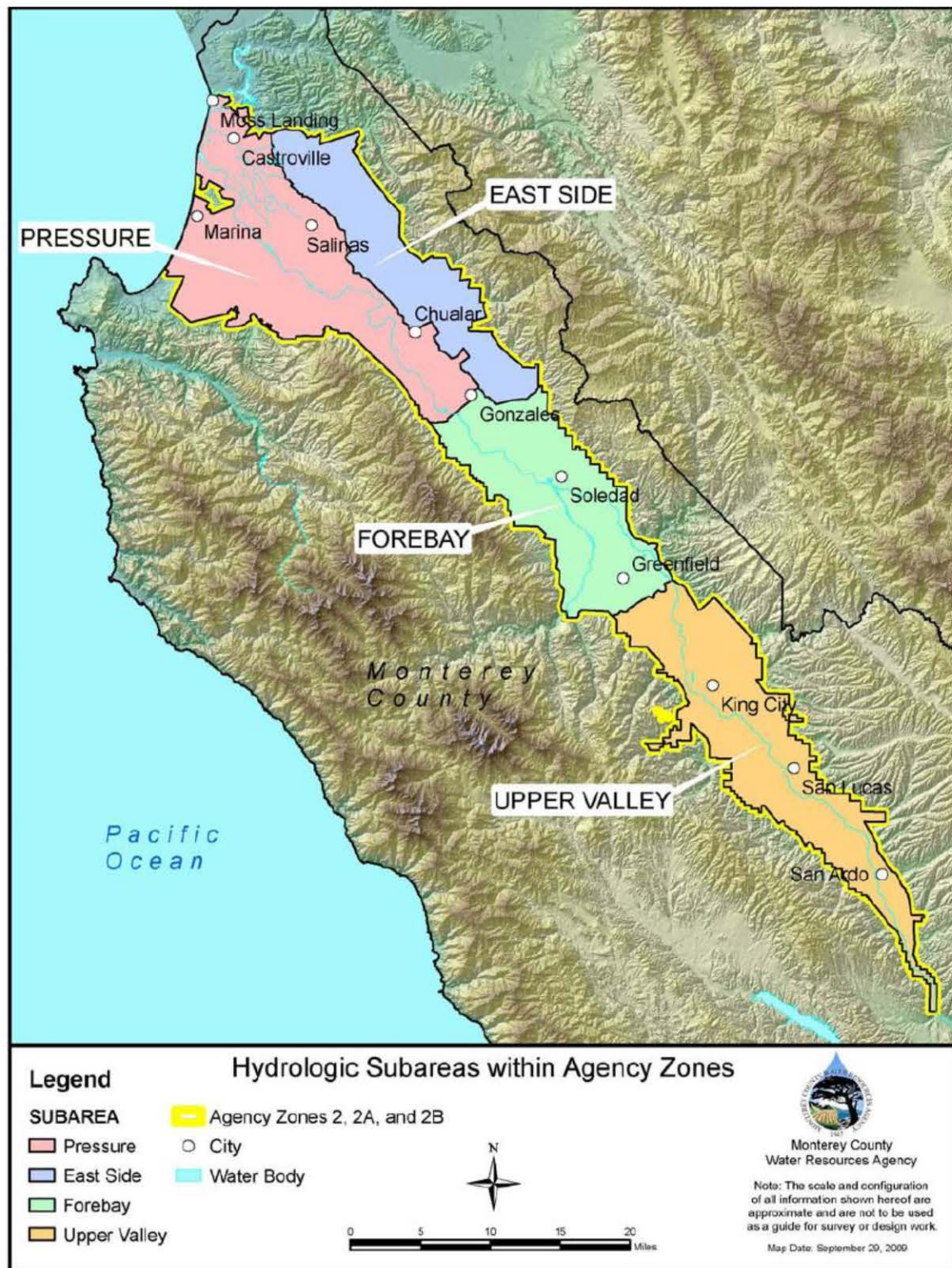


Figure A-9: Salinas Valley Groundwater Basin, Hydrologic Subareas

Source: MCWRA Annual Groundwater Report

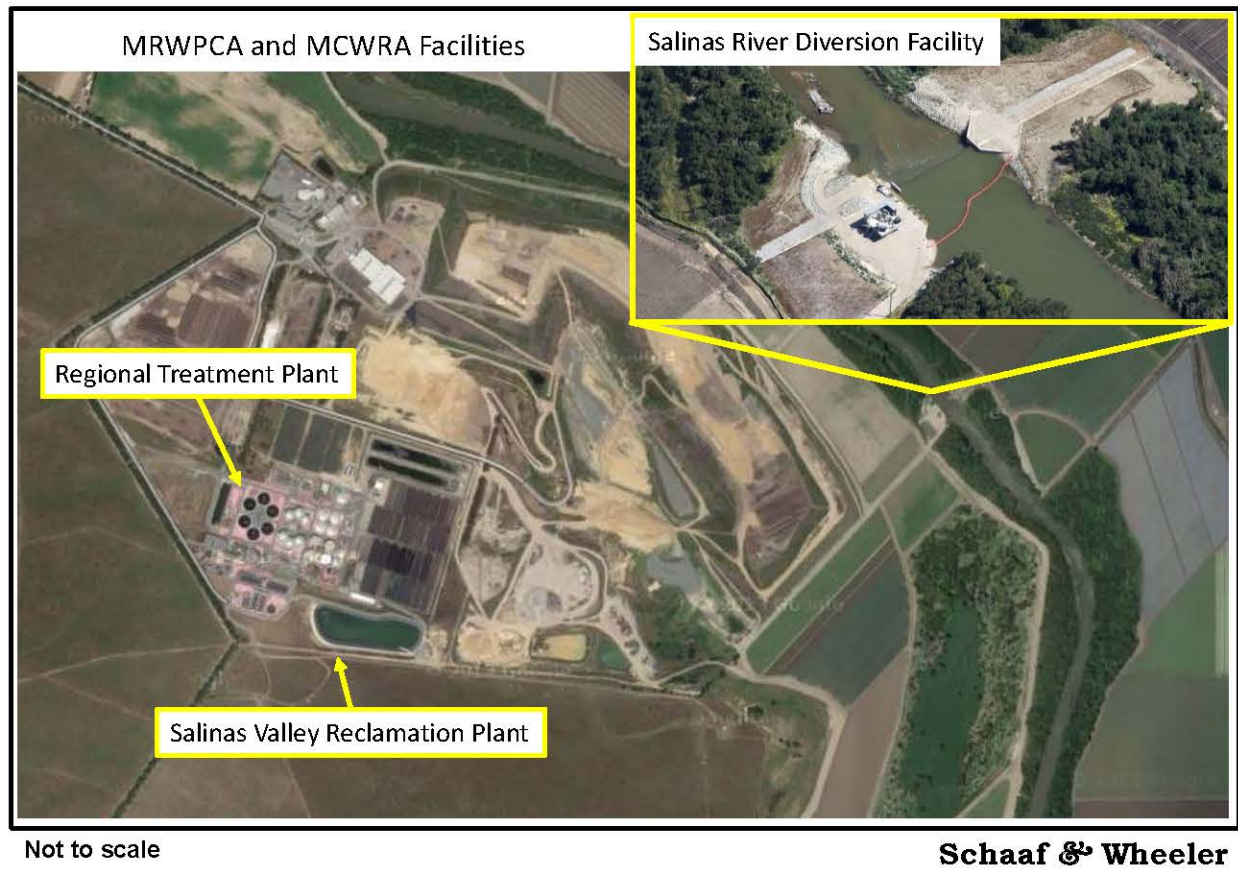


Figure A-10: MRWPCA and MCWRA Facilities

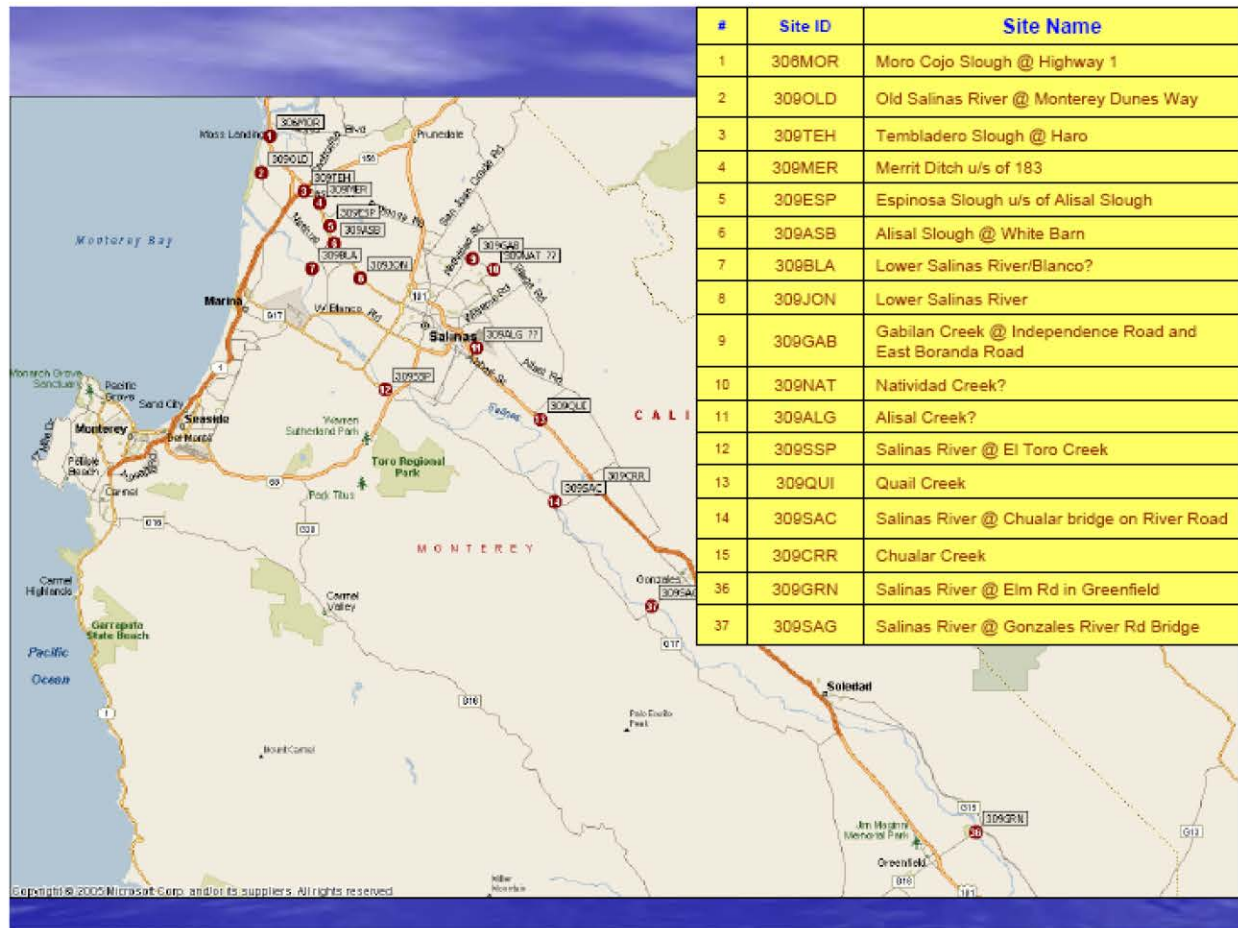


Figure A-11: CCAMP/CMP Water Sampling Sites

Source: Central Coast Region Conditional Waiver Cooperative Monitoring Program, 5 Year Evaluation Report, Larry Walker & Associates, 2010

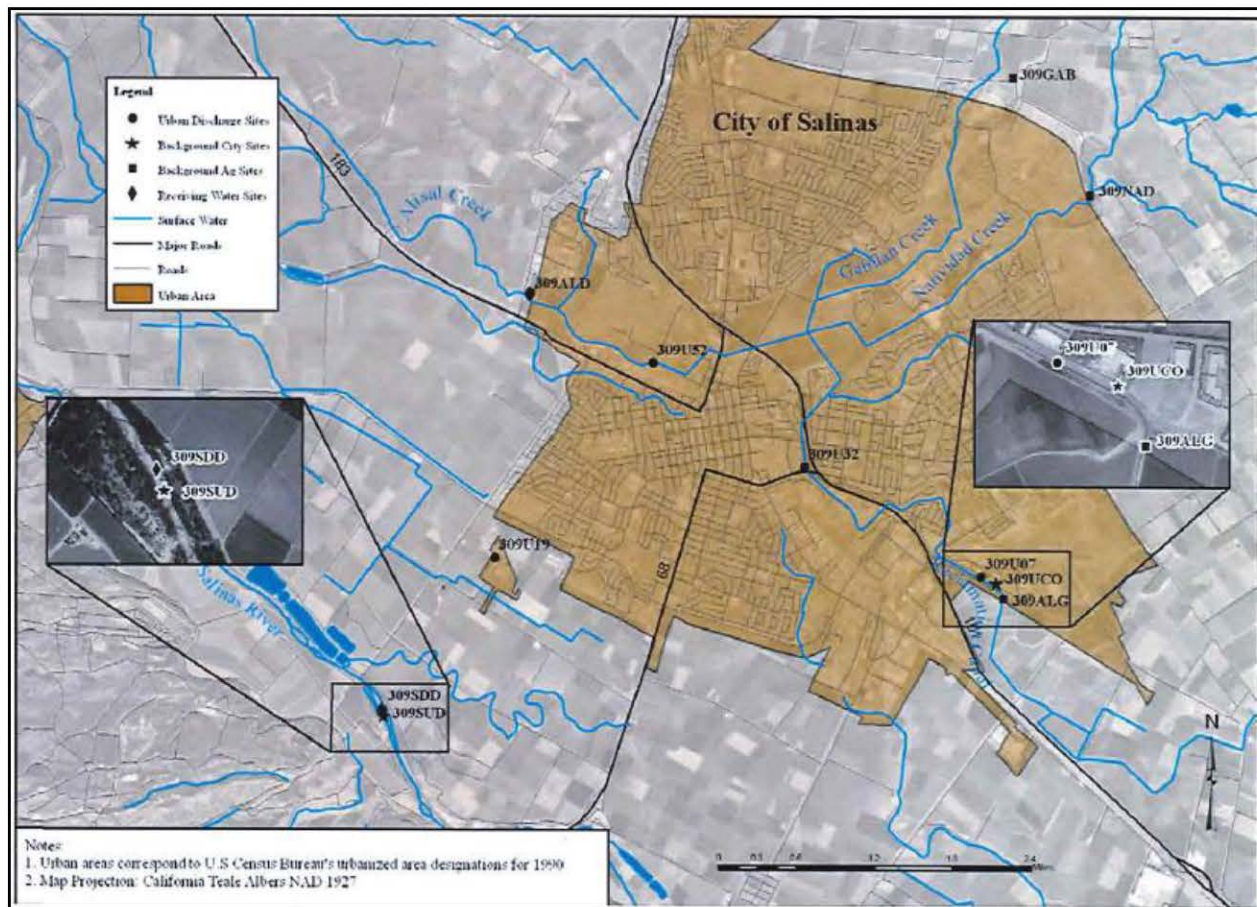


Figure A-12: City of Salinas Water Sampling Sites

Source: City of Salinas Stormwater Management Program, Quality Assurance Project Plan, Pacific EcoRisk, 2007

Appendix B: Tables

Table B-1: 2010 California 303(d) Listing

Table B-2: Recorded Precipitation in Salinas, CA

Table B-3: Estimated Runoff to the Salinas River from Salinas, CA

Table B-4: Estimate of Runoff Captured in Salinas, CA

Table B-5: Estimate of Uncaptured Runoff to the Salinas River from Salinas, CA

Table B-6: Average Monthly Flow, Salinas River near Spreckels, CA (cfs)

Table B-7: Minimum Monthly Flow, Salinas River near Spreckels, CA (cfs)

Table B-8: Average Monthly Flow, Salinas River near Spreckels, CA (AFY)

Table B-9: Water Rights Database GIS Capture, PODs near Salinas

Table B-10: Surface Water Rights and Claims in the Salinas River below Spreckels

Table B-11: Stream Water Quality, Salinas River at Spreckels to Potrero Road

Table B-12: Total Maximum Daily Loads

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Table B-1: 2010 California 303(d) Listing

Listed for:	Ammonia (Unionized)	Chlordane	Chloride	Chlorophyll-a	Chlorpyrifos	Copper	DDD (Dichlorodiphenyldichloroethane)	Diazinon	Dieldrin	Electrical Conductivity	Enterococcus	Escherichia coli (E. coli)	Fecal Coliform	Low Dissolved Oxygen	Metals	Nickel	Nitrate	Nutrients	Pathogens	PCBs (Polychlorinated biphenyls)	Pesticides	pH	Priority Organics	Sediment Toxicity	Sedimentation/Siltation	Sodium	Temperature, water	Total Coliform	Total Dissolved Solids	Toxaphene	Turbidity	Unknown Toxicity	
Water Body				X									X				X										X						
Alisal Creek (Monterey County)				X									X				X										X						
Alisal Slough (Monterey County)														X			X							X								X	
Blanco Drain					X			X						X			X				X										X		
Espinosa Lake					X			X																									
Espinosa Slough	X							X									X				X	X	X	X							X	X	
Gabilan Creek	X												X				X					X		X							X	X	
Majors Creek (Monterey County)						X						X																					
Merrit Ditch	X													X			X							X							X	X	
Monterey Harbor															X									X									
Moss Landing Harbor					X			X					X			X			X		X	X		X	X								
Natividad Creek	X											X		X			X					X		X			X				X	X	
Old Salinas River				X	X			X				X	X	X			X					X		X							X	X	
Old Salinas River Estuary																		X			X												
Salinas Reclamation Canal	X				X	X		X				X	X	X			X		X		X	X	X	X							X	X	
Salinas River (lower, estuary to near Gonzales Rd crossing, watersheds 30910 and 30920)		X	X		X		X	X	X	X	X	X	X				X			X	X	X					X			X	X	X	X
Salinas River Lagoon (North)																	X	X			X												
Santa Rita Creek (Monterey County)	X											X	X	X			X		X								X					X	

Groundwater Recharge Project

Table B-2: Recorded Precipitation in Salinas, CA (inches)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Type
1932	0.0	2.0	7.6	3.7	2.6	0.6	0.4	0.6	0.0	0.0	0.0	0.0	17.5	Wet
1933	0.1	0.0	2.1	5.0	0.4	1.2	0.2	0.5	0.0	0.0	0.0	0.1	9.6	Normal
1934	0.2	0.0	2.8	0.7	2.7	0.0	0.1	0.3	0.7	0.0	0.0	0.2	7.7	Dry
1935	0.6	1.9	2.4	4.5	0.3	3.6	3.9	0.0	0.0	0.0	0.9	0.0	18.0	Wet
1936	0.4	0.4	1.0	2.3	5.8	1.4	0.9	0.4	0.4	0.4	0.0	0.0	13.5	Normal
1937	0.7	0.0	3.7	3.8	4.8	5.1	0.5	0.0	0.1	0.0	0.0	0.0	18.8	Wet
1938	0.3	1.1	4.2	2.4	4.8	4.0	1.8	0.0	0.0	0.0	0.0	0.1	18.7	Wet
1939	1.1	0.6	1.5	2.3	2.1	2.4	0.3	0.3	0.0	0.0	0.0	0.3	11.0	Normal
1940	0.6	0.3	0.7	7.5	6.0	2.7	0.4	0.2	0.0	0.0	0.0	0.2	18.5	Wet
1941	0.3	0.7	3.9	4.2	7.1	4.4	4.0	0.3	0.0	0.0	0.0	0.0	24.9	Wet
1942	1.2	0.3	6.7	2.3	1.9	2.1	2.6	1.0	0.0	0.0	0.0	0.0	18.1	Wet
1943	0.9	1.5	2.2	3.1	1.9	3.6	1.2	0.0	0.0	0.0	0.0	0.0	14.6	Normal
1944	0.4	0.2	2.5	2.5	5.9	0.2	1.3	0.5	0.1	0.1	0.0	0.0	13.7	Normal
1945	1.2	3.7	1.8	0.4	2.7	2.7	0.3	0.1	0.0	0.0	0.3	0.1	13.3	Normal
1946	0.6	1.8	4.1	1.0	2.8	2.4	0.0	0.4	0.0	0.0	0.0	0.0	13.2	Normal
1947	0.1	3.9	1.7	0.5	1.3	1.2	0.6	0.3	0.1	0.0	0.0	0.0	9.7	Normal
1948	1.7	0.7	1.2	0.1	0.0	3.8	3.1	0.4	0.0	0.1	0.0	0.0	11.2	Normal
1949	0.9	0.4	3.3	1.3	1.8	3.2	0.0	0.2	0.0	0.1	0.0	0.0	11.2	Normal
1950	0.1	0.7	1.1	6.6	1.3	2.2	1.3	0.3	0.1	0.0	0.0	0.0	13.7	Normal
1951	1.8	2.9	2.5	1.4	1.8	0.6	0.9	0.1	0.0	0.0	0.0	0.0	12.1	Normal
1952	0.6	2.7	6.1	5.5	1.5	2.5	0.9	0.0	0.0	0.0	0.0	0.0	19.9	Wet
1953	0.0	1.4	4.7	1.0	0.0	0.8	1.6	0.2	0.1	0.0	0.0	0.0	9.8	Normal
1954	0.4	1.3	0.3	2.5	1.1	3.7	0.7	0.1	0.2	0.0	0.0	0.0	10.3	Normal
1955	0.0	0.8	2.1	5.7	1.3	0.1	2.4	0.7	0.0	0.0	0.0	0.0	13.1	Normal
1956	0.0	1.6	9.0	4.6	1.4	0.1	0.7	0.4	0.0	0.0	0.0	0.1	17.9	Wet
1957	0.7	0.0	0.8	2.7	2.3	1.0	0.8	2.3	0.1	0.0	0.0	0.1	10.9	Normal
1958	1.0	0.5	3.0	2.9	3.2	4.7	3.9	0.5	0.1	0.0	0.0	0.5	20.2	Wet
1959	0.0	0.2	0.2	2.6	3.9	0.3	0.2	0.1	0.0	0.0	0.0	4.5	12.1	Normal
1960	0.0	0.0	0.4	2.8	3.2	0.4	1.0	0.2	0.0	0.0	0.0	0.0	8.1	Dry
1961	0.0	2.4	0.5	1.5	0.9	1.6	0.7	0.2	0.2	0.0	0.0	0.0	8.0	Dry
1962	0.0	1.5	0.5	0.2	3.9	0.0	0.1	0.0	0.1	0.0	0.0	0.0	6.4	Dry
1963	0.6	0.4	1.7	2.8	1.9	3.0	2.9	0.2	0.0	0.0	0.0	0.3	14.0	Normal
1964	1.5	2.4	0.3	2.0	0.1	2.4	0.2	0.7	0.4	0.0	0.2	0.0	10.3	Normal
1965	0.7	2.2	5.1	0.8	0.4	1.7	1.3	0.0	0.0	0.0	0.3	0.0	12.7	Normal
1966	0.1	4.1	4.1	1.0	1.1	0.1	0.2	0.0	0.0	0.2	0.0	0.2	11.2	Normal
1967	0.0	2.0	3.6	3.9	0.3	2.4	5.7	0.1	0.5	0.0	0.0	0.1	18.7	Wet
1968	0.1	1.4	1.4	1.8	0.9	2.0	0.3	0.1	0.0	0.0	0.1	0.0	8.0	Dry
1969	0.3	1.8	2.7	7.9	5.8	1.1	1.5	0.0	0.0	0.0	0.0	0.0	21.1	Wet
1970	0.7	0.7	2.7	5.0	1.8	1.7	0.1	0.0	0.2	0.0	0.0	0.0	13.0	Normal
1971	0.3	3.9	4.0	1.0	0.5	1.1	1.4	0.5	0.0	0.0	0.0	0.1	12.8	Normal
1972	0.0	1.5	2.9	0.9	0.7	0.0	0.4	0.0	0.0	0.0	0.0	0.0	6.4	Dry
1973	1.5	4.1	1.8	4.2	4.9	3.7	0.0	0.0	0.0	0.0	0.0	0.1	20.4	Wet
1974	1.9	3.9	5.0	2.9	1.0	3.8	2.9	0.0	0.4	0.3	0.0	0.0	22.1	Wet
1975	1.3	0.3	1.6	1.3	3.5	3.3	1.0	0.0	0.0	0.1	0.3	0.0	12.6	Normal
1976	1.6	0.4	0.2	0.3	1.5	1.3	1.1	0.0	0.0	0.0	0.7	1.2	8.3	Dry
1977	0.3	0.6	1.8	0.9	0.3	1.0	0.3	0.8	0.1	0.0	0.0	0.1	6.2	Dry
1978	0.0	0.5	3.9	4.6	4.0	3.5	3.4	0.0	0.0	0.0	0.0	0.2	20.1	Wet
1979	0.0	1.9	0.8	3.3	2.7	1.5	0.3	0.0	0.0	0.1	0.0	0.0	10.6	Normal
1980	1.1	1.2	2.0	3.0	2.8	1.1	0.5	0.1	0.0	0.6	0.0	0.0	12.3	Normal
1981	0.0	0.0	0.9	0.7	1.3	2.7	0.8	0.0	0.0	0.0	0.0	0.0	6.4	Dry
1982	0.8	3.3	1.8	3.8	1.6	4.5	1.4	0.0	0.3	0.0	0.0	1.1	18.9	Wet
1983	1.5	4.8	1.6	3.2	3.9	5.0	1.6	0.1	0.0	0.0	0.1	1.1	22.9	Wet
1984	0.0	3.0	1.9	0.1	1.6	0.9	0.5	0.0	0.1	0.0	0.0	0.1	8.0	Dry
1985	1.1	2.4	1.0	0.6	0.9	2.5	0.3	0.1	0.1	0.0	0.0	0.0	9.0	Dry
1986	0.0	1.5	0.4	0.9	2.5	4.4	0.5	0.0	0.0	0.0	0.0	0.9	11.3	Normal
1987	0.0	0.1	0.6	2.3	3.5	2.1	0.2	0.0	0.0	0.0	0.0	0.0	8.8	Dry
1988	0.6	1.3	2.1	0.6	0.4	0.0	1.2	0.4	0.1	0.0	0.0	0.0	6.7	Dry
1989	0.0	1.3	2.4	0.7	1.0	2.2	0.4	0.1	0.0	0.0	0.0	0.9	9.0	Dry
1990	0.9	1.0	0.1	1.6	1.4	1.2	0.5	1.4	0.0	0.0	0.0	0.1	8.2	Dry
1991	0.2	0.2	1.5	0.3	1.5	6.0	0.2	0.1	0.0	0.0	0.2	0.0	10.1	Normal
1992	0.8	0.2	2.1	1.5	4.5	2.5	0.1	0.0	0.0	0.0	0.0	0.0	11.6	Normal
1993	0.5	0.0	2.6	6.1	3.5	2.3	0.2	0.8	0.3	0.0	0.0	0.0	16.3	Normal
1994	0.1	0.7	1.2	1.8	2.5	0.6	1.1	1.2	0.0	0.0	0.0	0.1	9.3	Dry
1995	0.3	2.6	1.7	7.8	0.7	5.3	1.6	0.3	0.6	0.0	0.0	0.0	20.9	Wet
1996	0.0	0.0	2.1	2.7	4.3	2.1	0.7	1.0	0.0	0.0	0.0	0.0	12.9	Normal
1997	0.6	3.1	5.0	6.7	0.1	0.1	0.3	0.0	0.1	0.0	0.0	0.0	16.0	Normal
1998	0.1	4.2	2.5	5.4	10.0	2.9	2.0	1.9	0.1	0.0	0.0	0.1	29.1	Wet
1999	0.5	2.3	0.9	2.6	3.1	1.8	1.4	0.0	0.1	0.0	0.0	0.0	12.8	Normal
2000	0.1	1.1	0.1	4.9	4.2	1.7	0.4	0.6	0.0	0.0	0.1	0.1	13.5	Normal
2001	2.5	0.2	0.7	2.9	3.0	1.6	1.8	0.0	0.0	0.0	0.0	0.1	12.7	Normal
2002	0.0	0.9	1.6	0.2	0.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	3.6	Dry
2003	0.0	0.9	2.8	0.7	0.7	0.6	1.2	0.2	0.0	0.0	0.1	0.0	7.1	Dry
2004	0.2	0.8	3.9	1.5	3.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	10.0	Normal
2005	2.8	0.4	3.8	2.7	3.4	4.3	1.3	0.8	0.2	0.0	0.0	0.0	19.7	Wet
2006	0.1	0.4	3.3	2.0	0.9	5.0	2.9	0.7	0.0	0.0	0.0	0.0	15.3	Normal
2007	0.0	1.3	2.3	0.7	2.4	0.5	1.0	0.1	0.0	0.0	0.0	0.4	8.9	Dry
2008	1.1	0.4	1.2	4.8	0.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	8.9	Dry
2009	0.2	1.3	2.3	1.3	3.5	1.8	0.2	0.3	0.1	0.0	0.3	0.1	11.4	Normal
2010	1.7	0.1	1.6	4.0	3.1	2.4	3.4	0.6	0.0	0.0	0.0	0.0	16.9	Wet
2011	0.6	2.0	3.0	1.7	2.9	4.2	0.1	0.7	0.3	0.0	0.0	0.0	15.6	Normal
2012	1.5	1.8	0.0	1.6	0.8	2.6	1.9	0.1	0.2	0.0	0.0	0.0	10.4	Normal
2013	0.2	3.1	3.3	1.0	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.1	9.0	Dry
Average	0.6	1.4	2.3	2.6	2.4	2.1	1.1	0.3	0.1	0.0	0.0	0.2	13.1	
Minimum	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	
Maximum	2.8	4.8	9.0	7.9	10.0	6.0	5.7	2.3	0.7	0.6	0.9	4.5	29.1	

Data from SALINAS MUNICIPAL AIRPORT CA US, Gage USW00023233

Data gaps filled from SALINAS CA, Gage USC00047668

Percentiles	
Median	0.5
Dry	0.25
Wet	0.75

12.5

9.4

16.8

Groundwater Recharge Project

Table B-3: Estimated Runoff to the Salinas River from Salinas, CA (acre-feet)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	-	31	382	104	31	3	0	6	-	-	-	-	557
1933	-	-	34	113	2	10	0	2	-	-	-	-	160
1934	0	-	28	8	25	-	0	1	10	-	-	0	72
1935	5	32	39	88	-	66	131	-	-	-	22	-	382
1936	0	2	9	21	113	19	13	2	1	1	-	-	181
1937	5	-	139	44	131	147	1	-	0	-	-	-	467
1938	-	6	224	19	103	50	14	-	-	-	-	0	417
1939	10	2	21	37	30	72	1	1	-	-	-	1	175
1940	1	2	7	226	164	71	2	0	-	-	-	0	473
1941	1	4	107	53	195	109	182	0	-	-	-	-	651
1942	13	0	190	44	16	32	47	6	-	-	-	-	348
1943	12	13	39	78	20	54	14	-	-	-	-	-	230
1944	0	-	37	34	129	0	14	6	-	-	-	-	219
1945	35	87	16	3	62	23	3	-	-	-	2	-	230
1946	2	15	87	9	47	26	-	3	-	-	-	-	190
1947	-	229	22	4	10	10	5	2	-	-	-	-	283
1948	23	6	12	-	-	81	31	0	-	-	-	-	152
1949	9	2	40	15	7	38	-	-	-	0	-	-	111
1950	-	8	7	153	19	69	30	0	-	-	-	-	286
1951	28	53	36	7	11	4	11	-	-	-	-	-	150
1952	6	63	216	129	8	28	9	-	-	-	-	-	458
1953	-	24	81	5	-	5	22	-	-	-	-	-	136
1954	3	20	1	41	12	77	11	-	0	-	-	-	166
1955	-	6	35	148	15	-	35	5	-	-	-	-	244
1956	-	29	390	52	16	-	3	0	-	-	-	-	491
1957	1	-	7	35	25	2	6	31	-	-	-	-	108
1958	13	2	40	48	52	74	189	6	-	-	-	3	427
1959	-	-	-	51	54	0	0	-	-	-	-	340	446
1960	-	-	1	48	43	0	10	0	-	-	-	-	102
1961	-	32	3	19	11	6	4	-	0	-	-	-	75
1962	-	14	2	1	189	-	-	-	-	-	-	-	206
1963	11	3	38	102	26	70	29	-	-	-	-	0	280
1964	21	25	0	23	-	35	0	1	3	-	0	-	110
1965	14	24	188	2	0	10	15	-	-	-	2	-	255
1966	-	88	123	18	4	-	-	-	-	1	-	0	234
1967	-	17	162	90	1	23	70	-	6	-	-	0	369
1968	-	20	17	14	1	34	3	-	-	-	-	-	89
1969	0	17	24	414	146	18	21	-	-	-	-	-	641
1970	6	15	61	157	30	36	-	-	0	-	-	-	304
1971	1	126	70	6	1	11	11	1	-	-	-	-	227
1972	-	16	26	4	8	-	0	-	-	-	-	-	55
1973	22	125	12	63	135	71	-	-	-	-	-	-	428
1974	31	58	193	84	7	85	238	-	3	2	-	-	700
1975	9	-	24	14	48	57	1	-	-	-	3	-	155
1976	32	1	-	1	16	26	5	-	-	-	3	14	97
1977	2	3	54	38	0	7	1	4	-	-	-	-	110
1978	-	1	174	89	157	45	59	-	-	-	-	1	526
1979	-	33	11	55	24	15	1	-	-	-	-	-	140
1980	11	10	33	48	30	9	-	-	-	8	-	-	148
1981	-	-	7	3	12	19	15	-	-	-	-	-	55
1982	8	62	25	67	21	54	22	-	1	-	-	13	273
1983	17	157	26	49	48	69	11	-	-	-	-	18	394
1984	-	41	8	-	11	3	0	-	-	-	-	-	63
1985	15	18	6	4	16	29	1	-	-	-	-	-	90
1986	-	10	0	2	31	125	1	-	-	-	-	9	179
1987	-	-	0	34	101	34	0	-	-	-	-	-	170
1988	6	16	18	1	1	-	8	0	-	-	-	-	50
1989	-	6	27	6	9	34	1	-	-	-	-	8	91
1990	14	25	-	17	14	7	5	14	-	-	-	-	96
1991	0	0	21	1	14	109	-	-	-	-	-	-	146
1992	9	0	46	13	127	41	-	-	-	-	-	-	236
1993	2	-	20	176	37	31	0	4	0	-	-	-	271
1994	-	4	22	22	30	3	10	22	-	-	-	-	112
1995	2	37	20	209	6	128	12	-	5	-	-	-	420
1996	-	-	19	40	78	39	8	17	-	-	-	-	201
1997	4	111	135	143	-	-	0	-	-	-	-	-	393
1998	-	105	57	97	530	34	19	15	-	-	-	-	857
1999	7	23	4	33	38	6	19	-	-	-	-	-	130
2000	-	7	-	208	59	33	1	3	-	-	-	-	310
2001	65	-	7	45	28	17	19	-	-	-	-	-	180
2002	-	7	11	-	0	1	-	-	-	-	-	-	19
2003	-	11	31	10	3	5	3	0	-	-	-	-	64
2004	0	1	85	24	41	2	-	-	-	-	-	-	154
2005	57	0	86	31	50	92	8	3	0	-	-	-	327
2006	-	1	42	18	2	47	34	11	-	-	-	-	154
2007	-	20	30	3	19	2	6	-	-	-	-	3	83
2008	10	2	12	74	11	0	-	-	-	-	-	-	110
2009	0	16	19	19	38	20	-	1	-	-	1	-	114
2010	64	-	12	89	42	42	69	2	-	-	-	-	320
2011	1	23	31	39	71	127	-	0	0	-	-	-	292
2012	27	19	-	19	4	42	24	-	0	-	-	-	135
2013	-	108	78	12	3	0	-	-	-	-	-	-	201
Average	8	26	53	53	45	34	19	2	0	0	0	5	246
Minimum	-	-	-	-	-	-	-	-	-	-	-	-	19
Maximum	65	229	390	414	530	147	238	31	10	8	22	340	857

Data from SALINAS MUNICIPAL AIRPORT CA US, Gage USW00023233

Data gaps filled from SALINAS CA, Gage USC00047668

Drainage area of 1631 acres

Groundwater Recharge Project

Table B-4: Estimate of Runoff Captured in Salinas (acre-feet)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	31	310	104	31	3	0	6	0	0	0	0	485
1933	0	0	34	113	2	10	0	2	0	0	0	0	160
1934	0	0	28	8	25	0	0	1	10	0	0	0	72
1935	5	32	39	88	0	66	120	0	0	0	22	0	371
1936	0	2	9	21	113	19	13	2	1	1	0	0	181
1937	5	0	137	44	100	147	1	0	0	0	0	0	434
1938	0	6	154	19	103	50	14	0	0	0	0	0	346
1939	10	2	21	37	30	67	1	1	0	0	0	1	170
1940	1	2	7	221	164	71	2	0	0	0	0	0	467
1941	1	4	107	53	174	109	119	0	0	0	0	0	567
1942	13	0	190	44	16	32	47	6	0	0	0	0	348
1943	12	13	39	78	20	54	14	0	0	0	0	0	230
1944	0	0	37	34	129	0	14	6	0	0	0	0	219
1945	35	87	16	3	62	23	3	0	0	0	2	0	230
1946	2	15	87	9	47	26	0	3	0	0	0	0	190
1947	0	126	22	4	10	10	5	2	0	0	0	0	179
1948	23	6	12	0	0	81	31	0	0	0	0	0	152
1949	9	2	40	15	7	38	0	0	0	0	0	0	111
1950	0	8	7	145	19	62	30	0	0	0	0	0	272
1951	28	53	36	7	11	4	11	0	0	0	0	0	150
1952	6	63	195	129	8	28	9	0	0	0	0	0	436
1953	0	24	81	5	0	5	22	0	0	0	0	0	136
1954	3	20	1	41	12	77	11	0	0	0	0	0	166
1955	0	6	35	148	15	0	35	5	0	0	0	0	244
1956	0	29	255	52	16	0	3	0	0	0	0	0	356
1957	1	0	7	35	25	2	6	31	0	0	0	0	108
1958	13	2	40	48	52	74	182	6	0	0	0	3	419
1959	0	0	0	51	54	0	0	0	0	0	0	122	227
1960	0	0	1	48	43	0	10	0	0	0	0	0	102
1961	0	32	3	19	11	6	4	0	0	0	0	0	75
1962	0	14	2	1	126	0	0	0	0	0	0	0	143
1963	11	3	38	102	26	70	29	0	0	0	0	0	280
1964	21	25	0	23	0	35	0	1	3	0	0	0	110
1965	14	24	188	2	0	10	15	0	0	0	2	0	255
1966	0	88	123	18	4	0	0	0	0	1	0	0	234
1967	0	17	100	90	1	23	70	0	6	0	0	0	307
1968	0	20	17	14	1	34	3	0	0	0	0	0	89
1969	0	17	24	410	146	18	21	0	0	0	0	0	637
1970	6	15	61	145	30	36	0	0	0	0	0	0	292
1971	1	119	70	6	1	11	11	1	0	0	0	0	220
1972	0	16	26	4	8	0	0	0	0	0	0	0	55
1973	22	125	12	63	135	71	0	0	0	0	0	0	428
1974	31	58	107	84	7	85	64	0	3	2	0	0	440
1975	9	0	24	14	48	57	1	0	0	0	3	0	155
1976	32	1	0	1	16	26	5	0	0	0	3	14	97
1977	2	3	54	38	0	7	1	4	0	0	0	0	110
1978	0	1	94	89	151	45	59	0	0	0	0	1	440
1979	0	33	11	55	24	15	1	0	0	0	0	0	140
1980	11	10	33	48	30	9	0	0	0	8	0	0	148
1981	0	0	7	3	12	19	15	0	0	0	0	0	55
1982	8	62	25	67	21	54	22	0	1	0	0	13	273
1983	17	126	26	49	48	69	11	0	0	0	0	18	363
1984	0	41	8	0	11	3	0	0	0	0	0	0	63
1985	15	18	6	4	16	29	1	0	0	0	0	0	90
1986	0	10	0	2	31	125	1	0	0	0	0	9	179
1987	0	0	0	34	93	34	0	0	0	0	0	0	161
1988	6	16	18	1	1	0	8	0	0	0	0	0	50
1989	0	6	27	6	9	34	1	0	0	0	0	8	91
1990	14	25	0	17	14	7	5	14	0	0	0	0	96
1991	0	0	21	1	14	109	0	0	0	0	0	0	146
1992	9	0	46	13	116	41	0	0	0	0	0	0	225
1993	2	0	20	161	37	31	0	4	0	0	0	0	255
1994	0	4	22	22	30	3	10	22	0	0	0	0	112
1995	2	37	20	209	6	109	12	0	5	0	0	0	401
1996	0	0	19	40	78	39	8	17	0	0	0	0	201
1997	4	111	131	143	0	0	0	0	0	0	0	0	389
1998	0	92	57	97	340	34	19	15	0	0	0	0	654
1999	7	23	4	33	38	6	19	0	0	0	0	0	130
2000	0	7	0	124	59	33	1	3	0	0	0	0	225
2001	65	0	7	45	28	17	19	0	0	0	0	0	180
2002	0	7	11	0	0	1	0	0	0	0	0	0	19
2003	0	11	31	10	3	5	3	0	0	0	0	0	64
2004	0	1	85	24	41	2	0	0	0	0	0	0	154
2005	57	0	86	31	50	92	8	3	0	0	0	0	327
2006	0	1	42	18	2	47	34	11	0	0	0	0	154
2007	0	20	30	3	19	2	6	0	0	0	0	3	83
2008	10	2	12	74	11	0	0	0	0	0	0	0	110
2009	0	16	19	19	38	20	0	1	0	0	1	0	114
2010	61	0	12	89	42	42	69	2	0	0	0	0	317
2011	1	23	31	39	71	127	0	0	0	0	0	0	292
2012	27	19	0	19	4	42	24	0	0	0	0	0	135
2013	0	62	78	12	3	0	0	0	0	0	0	0	155
Average	8	23	47	52	41	34	16	2	0	0	0	2	225
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	19
Maximum	65	126	310	410	340	147	182	31	10	8	22	122	654

Assumes gravity main captures up to 20 mgd = 61 AF/day

Overflow bypasses to Salinas Pump Station

Groundwater Recharge Project

Table B-5: Estimate of Uncaptured Runoff to the Salinas River from Salinas, CA (acre-feet)

Water Year	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	Total
1932	0	0	72	0	0	0	0	0	0	0	0	0	72
1933	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0	0	10	0	0	0	0	0	10
1936	0	0	0	0	0	0	0	0	0	0	0	0	0
1937	0	0	2	0	31	0	0	0	0	0	0	0	33
1938	0	0	70	0	0	0	0	0	0	0	0	0	70
1939	0	0	0	0	0	5	0	0	0	0	0	0	5
1940	0	0	0	6	0	0	0	0	0	0	0	0	6
1941	0	0	0	0	21	0	63	0	0	0	0	0	84
1942	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	0	0	0	0	0	0	0	0	0	0	0	0	0
1944	0	0	0	0	0	0	0	0	0	0	0	0	0
1945	0	0	0	0	0	0	0	0	0	0	0	0	0
1946	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	0	103	0	0	0	0	0	0	0	0	0	0	103
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	8	0	7	0	0	0	0	0	0	14
1951	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	0	0	22	0	0	0	0	0	0	0	0	0	22
1953	0	0	0	0	0	0	0	0	0	0	0	0	0
1954	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	135	0	0	0	0	0	0	0	0	0	135
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	8	0	0	0	0	0	8
1959	0	0	0	0	0	0	0	0	0	0	0	218	218
1960	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	63	0	0	0	0	0	0	0	63
1963	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	0	0	0	0	0	0	0	0	0	0
1966	0	0	0	0	0	0	0	0	0	0	0	0	0
1967	0	0	62	0	0	0	0	0	0	0	0	0	62
1968	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	4	0	0	0	0	0	0	0	0	4
1970	0	0	0	12	0	0	0	0	0	0	0	0	12
1971	0	7	0	0	0	0	0	0	0	0	0	0	7
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	86	0	0	0	174	0	0	0	0	0	260
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	80	0	6	0	0	0	0	0	0	0	86
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	31	0	0	0	0	0	0	0	0	0	0	31
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	8	0	0	0	0	0	0	0	8
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	11	0	0	0	0	0	0	0	11
1993	0	0	0	15	0	0	0	0	0	0	0	0	15
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	19	0	0	0	0	0	0	19
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	4	0	0	0	0	0	0	0	0	0	4
1998	0	13	0	0	189	0	0	0	0	0	0	0	202
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	84	0	0	0	0	0	0	0	0	84
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	3	0	0	0	0	0	0	0	0	0	0	0	3
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	46	0	0	0	0	0	0	0	0	0	0	46
Average	0	2	7	2	4	0	3	0	0	0	0	3	21
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	3	103	135	84	189	19	174	0	0	0	0	218	260

Assumes gravity main captures up to 20 mgd = 61 AF/day

Overflow bypasses to Salinas Pump Station

Values = Table B3 (Estimated Runoff) minus Table B4 (Estimated Capture)

Groundwater Recharge Project

Table B-6: Average Monthly Flow, Salinas River nr Spreckels, CA (cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1932	0.2	2.0	3215.2	1576.2	5468.0	414.8	71.2	8.6	3.1	1.2	1.4	6.1
1933	7.5	10.3	11.8	85.1	205.3	7.0	3.9	1.8	1.2	0.1	0.0	1.5
1934	2.4	7.4	16.1	625.3	391.6	426.2	4.9	0.8	0.6	0.0	0.0	0.0
1935	3.4	5.7	3.6	1044.1	96.6	383.8	2019.1	168.3	5.1	0.4	0.1	0.5
1936	1.5	2.5	2.5	38.7	5110.2	813.7	584.8	43.4	2.9	0.4	0.2	0.1
1937	2.1	4.9	4.8	88.8	5760.0	3441.6	1100.7	167.1	12.7	1.8	0.2	0.1
1938	1.5	3.4	877.1	177.6	11940.0	9543.2	970.4	340.3	49.3	9.0	5.0	6.0
1939	12.0	12.0	13.0	10.0	10.0	160.2	21.0	4.5	1.1	0.0	0.0	0.0
1940	0.0	0.0	0.0	1742.3	3782.0	2516.0	911.1	95.4	7.7	2.9	1.0	3.7
1941	8.0	12.0	869.0	2881.6	9310.7	8371.9	7181.7	943.2	226.6	44.5	7.2	4.6
1942	10.2	16.9	1154.8	2351.3	1676.4	1272.4	1865.0	473.5	67.1	7.8	4.5	6.9
1943	11.7	16.0	103.7	3872.5	1941.9	5326.1	880.9	152.4	15.1	5.3	1.4	2.8
1944	8.1	12.9	8.2	8.0	1632.6	2849.3	222.6	76.9	8.0	2.0	1.0	1.0
1945	7.0	14.3	12.0	10.3	3485.8	1067.3	483.3	29.5	3.0	1.0	1.0	4.0
1946	10.5	14.0	1114.1	301.2	181.2	68.7	484.5	5.8	1.1	0.9	1.0	2.0
1947	10.6	19.1	9.3	4.0	47.2	17.4	2.8	1.0	0.8	0.5	1.0	5.2
1948	13.7	17.8	11.5	3.1	1.5	1.7	1.7	0.6	0.5	0.5	0.5	0.7
1949	2.4	7.9	6.0	2.6	2.2	786.2	11.4	1.4	0.7	0.7	0.9	1.0
1950	2.5	7.5	6.0	3.0	494.8	3.5	2.0	1.5	1.8	1.5	1.5	1.5
1951	3.5	124.0	140.5	197.4	58.0	54.5	1.0	1.0	1.0	1.0	1.0	3.0
1952	5.8	9.1	227.0	5609.7	996.9	3335.6	702.4	63.6	2.5	1.6	1.4	1.4
1953	1.2	1.0	117.9	1549.1	124.1	60.4	5.9	12.8	1.0	1.0	1.0	1.0
1954	1.0	5.3	6.7	3.6	331.8	484.7	362.1	1.8	1.2	1.0	1.0	1.5
1955	1.5	2.0	2.0	3.0	3.0	10.0	2.5	2.5	2.0	1.5	1.2	1.0
1956	1.0	1.5	2028.4	2733.1	1292.7	381.8	33.5	14.0	2.0	1.5	1.0	1.0
1957	1.5	2.0	8.0	4.0	3.0	2.0	1.0	0.5	1.0	2.0	2.0	1.0
1958	1.0	1.0	3.0	3.0	979.9	2824.0	6714.3	182.0	17.1	130.5	175.6	158.6
1959	70.4	24.0	26.6	102.6	1095.3	725.0	12.7	35.0	9.2	1.0	1.0	9.2
1960	8.0	4.7	7.4	9.0	348.4	38.6	4.6	2.6	1.3	1.7	1.2	1.0
1961	1.1	3.0	3.0	1.3	1.1	1.0	0.8	1.3	1.2	1.0	0.8	0.8
1962	0.7	0.9	2.1	1.9	1667.9	449.2	6.1	1.9	1.5	1.5	1.2	1.2
1963	2.7	4.2	5.6	45.2	1793.0	289.3	722.9	186.9	2.9	1.5	2.7	5.6
1964	17.9	46.2	50.8	123.8	189.3	6.3	6.1	4.1	1.2	1.2	1.0	2.2
1965	4.5	7.3	17.6	636.4	77.7	4.5	148.9	9.0	5.9	2.4	1.6	4.6
1966	3.5	86.2	35.5	187.9	131.7	16.5	7.1	11.2	2.9	0.9	1.5	2.3
1967	2.3	1.9	1591.5	891.8	2173.4	1219.0	1803.1	674.6	280.8	122.7	252.5	284.3
1968	22.0	71.5	51.4	5.0	3.2	16.8	2.4	1.4	3.9	5.0	2.2	1.8
1969	5.8	4.0	3.2	5959.2	9862.1	5560.6	1858.0	587.1	419.3	280.3	182.3	335.4
1970	402.5	287.0	76.3	809.3	282.8	747.9	25.1	15.9	20.6	1.3	12.2	3.0
1971	19.2	52.5	220.5	156.5	55.9	64.5	7.2	8.5	17.5	2.3	2.0	2.4
1972	15.4	5.4	59.3	11.5	4.4	2.9	20.6	1.2	1.8	3.4	2.2	3.3
1973	12.7	84.7	3.1	644.7	3571.1	2499.9	409.1	46.5	2.8	1.7	2.2	10.3
1974	68.7	80.4	212.6	2982.8	356.5	1023.2	715.6	46.6	10.1	2.7	17.4	77.3
1975	197.4	129.0	169.8	96.8	2123.3	1244.6	363.6	38.6	8.2	5.4	10.6	95.9
1976	70.5	26.8	38.1	4.3	5.4	3.9	7.8	1.6	1.3	1.9	2.1	2.8
1977	7.0	1.0	1.4	6.3	1.2	1.3	1.3	1.8	1.4	1.2	1.1	1.4
1978	1.3	1.3	261.9	2223.9	7947.3	5238.1	1198.1	214.7	2.3	1.9	16.2	108.2
1979	5.9	9.1	32.5	124.0	963.4	735.9	313.4	1.5	1.8	1.2	0.9	1.5
1980	1.4	1.1	69.8	3019.6	7539.4	3492.3	370.0	50.0	1.8	1.6	21.3	36.1
1981	1.1	1.1	1.3	161.1	383.4	410.7	98.9	1.7	1.7	1.3	1.4	2.0
1982	2.6	41.3	2.1	368.0	164.7	330.2	2824.6	352.0	72.1	7.2	20.1	113.4
1983	231.3	388.8	2511.1	5594.9	7547.5	12636.8	2482.7	2839.0	767.0	403.4	353.7	394.5
1984	118.7	111.0	1113.1	1732.1	500.1	114.7	7.9	1.4	1.2	1.4	2.6	2.3
1985	20.9	11.2	12.3	5.3	34.4	2.5	2.2	1.6	0.7	1.6	3.6	0.5
1986	18.4	12.2	35.2	3.6	2601.2	3525.5	545.6	55.9	6.2	13.5	3.1	3.9
1987	2.3	18.2	51.6	66.5	156.9	48.3	1.3	0.9	1.1	1.3	2.5	3.2
1988	2.9	2.1	1.9	16.6	3.4	3.3	1.9	2.1	2.2	2.3	2.2	2.3
1989	2.3	2.3	2.8	2.2	2.1	2.0	2.1	2.1	2.1	2.0	1.9	2.1
1990	2.3	2.7	2.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	0.0	0.0	0.0	0.0	0.0	507.6	0.2	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	434.0	9.2	0.1	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	1930.4	3224.2	1228.8	335.5	0.1	0.0	0.0	0.0	0.0

Groundwater Recharge Project

Table B-6: Average Monthly Flow, Salinas River nr Spreckels, CA (cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1994	0.0	0.0	0.0	0.0	100.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	2493.8	787.9	8817.2	1302.0	310.8	5.5	5.4	0.0	9.2
1996	47.0	83.7	38.9	8.1	3071.7	1586.4	159.2	0.1	9.2	0.0	0.0	0.0
1997	15.4	38.8	1067.6	6992.9	2415.9	144.4	0.0	0.0	1.7	0.1	0.0	0.0
1998	0.0	0.0	1.2	430.8	16261.8	2335.5	1875.2	953.6	209.6	185.7	36.8	14.3
1999	0.0	152.4	225.5	173.8	489.6	191.7	208.0	5.5	30.3	0.0	7.4	14.7
2000	0.0	16.2	44.5	185.0	2355.9	1149.3	82.6	27.0	2.6	9.2	8.8	18.2
2001	0.0	0.0	7.1	81.1	294.0	1788.7	95.5	20.8	8.5	4.9	0.0	5.4
2002	0.0	0.0	112.5	118.4	5.3	10.3	7.7	15.2	1.2	14.0	3.3	15.2
2003	2.5	0.0	161.0	159.5	1.0	26.1	0.2	68.4	0.1	3.3	0.9	0.1
2004	0.0	0.0	30.9	31.6	150.9	103.4	0.4	16.1	0.5	11.9	44.2	0.0
2005	0.0	0.0	0.3	2863.5	2579.4	2160.0	540.1	154.6	15.7	30.2	8.6	0.0
2006	0.0	22.8	39.0	773.3	119.2	734.0	3726.1	441.1	84.0	1.8	12.5	0.2
2007	0.0	15.2	10.7	83.1	11.6	8.4	5.2	8.4	5.3	1.2	2.7	0.0
2008	0.0	0.0	18.1	374.0	572.5	311.4	25.7	0.1	0.0	0.0	0.0	0.0
2009	0.0	0.0	0.0	0.0	21.6	137.7	0.0	0.0	0.0	0.0	0.0	0.0
2010	3.1	0.0	60.0	882.0	976.0	912.2	347.6	85.3	28.9	40.4	29.6	17.0
2011	13.0	0.0	190.2	808.4	677.8	3059.8	1419.2	253.8	128.4	82.9	52.3	3.3
2012	37.6	11.7	0.1	12.9	0.3	2.4	95.6	48.7	22.4	28.3	20.9	29.5
2013	32.8	0.6	121.9	42.2	1.1	4.2	27.0	34.6	38.3	33.8	31.4	32.7
Average	19.8	26.8	229.0	846.0	1725.2	1345.3	596.0	127.3	32.7	18.9	17.1	23.1
Median	2.7	5.7	16.1	118.4	356.5	381.8	33.5	11.2	2.3	1.6	1.5	2.2
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum	402.5	388.8	3215.2	6992.9	16261.8	12636.8	7181.7	2839.0	767.0	403.4	353.7	394.5

Data from USGS Gage 11152500

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
AVG 1932-1956	5.2	13.2	398.5	996.9	2173.8	1671.9	717.2	104.5	16.7	3.5	1.4	2.3
AVG 1957-2009	26.6	35.0	159.3	805.7	1612.6	1217.6	548.1	139.7	38.6	24.1	23.2	33.1
AVG 2010-2013	21.6	3.1	93.1	436.4	413.8	994.6	472.3	105.6	54.5	46.3	33.6	20.6
MED 1932-1956	3.4	7.9	12.0	177.6	494.8	426.2	222.6	12.8	2.0	1.0	1.0	1.5
MED 1957-2009	2.3	4.2	18.1	118.4	348.4	289.3	20.6	8.4	2.2	1.7	2.2	2.3
MED 2010-2013	22.9	0.3	91.0	425.3	339.5	458.2	221.6	67.0	33.6	37.1	30.5	23.3

Data from USGS Gage 11152500

Period 1932-1956 predates the addition of San Antonio Reservoir (1967) and Nacimiento Reservoir (1957)

Period 1957-2009: Reservoir releases made to recharge Salinas Valley Groundwater Basin

Period 2010-2013: Operating period of the Salinas River Diversion Facility

Groundwater Recharge Project

Table B-7: Minimum Daily Flow, Salinas River nr Spreckels, CA (cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1932	0.0	2.0	3.0	432.0	892.0	209.0	8.5	5.5	1.8	0.6	0.3	5.0
1933	6.0	9.0	11.0	9.0	8.5	5.5	2.4	1.4	1.0	0.0	0.0	0.0
1934	1.2	4.7	11.0	12.0	5.5	23.0	1.8	0.3	0.0	0.0	0.0	0.0
1935	0.0	4.6	3.0	4.0	17.0	12.0	248.0	17.0	1.7	0.2	0.1	0.1
1936	1.0	2.5	2.5	2.5	4.8	285.0	162.0	4.3	1.1	0.1	0.1	0.1
1937	0.2	4.0	3.1	3.6	1800.0	715.0	368.0	39.0	5.0	0.2	0.2	0.1
1938	0.2	2.5	3.3	20.0	1480.0	1800.0	512.0	128.0	12.0	9.0	5.0	6.0
1939	12.0	12.0	13.0	10.0	10.0	7.5	6.0	4.0	1.0	0.0	0.0	0.0
1940	0.0	0.0	0.0	0.0	958.0	586.0	240.0	20.0	4.4	1.2	1.0	3.7
1941	8.0	12.0	13.0	570.0	1360.0	2210.0	1880.0	426.0	97.0	14.0	5.0	4.0
1942	6.0	13.0	18.0	325.0	753.0	490.0	846.0	172.0	14.0	5.0	3.8	5.5
1943	7.5	12.0	16.0	60.0	776.0	1460.0	341.0	46.0	5.0	1.7	1.2	1.0
1944	5.0	9.5	6.0	6.0	7.5	522.0	94.0	13.0	8.0	2.0	1.0	1.0
1945	7.0	11.0	10.0	7.2	15.0	200.0	99.0	15.0	3.0	1.0	1.0	4.0
1946	9.0	14.0	16.0	85.0	72.0	32.0	20.0	1.3	0.8	0.8	1.0	2.0
1947	3.5	12.0	5.3	1.5	1.0	1.0	0.6	1.0	0.8	0.5	0.5	2.2
1948	8.3	16.0	6.9	1.5	1.0	1.0	1.2	0.5	0.5	0.5	0.5	0.5
1949	0.3	5.9	3.7	2.0	1.7	1.6	2.0	1.0	0.3	0.4	0.7	0.8
1950	2.5	7.5	6.0	3.0	3.0	1.6	2.0	1.5	1.8	1.5	1.5	1.5
1951	3.5	4.7	11.0	7.2	6.8	2.4	1.0	1.0	1.0	1.0	1.0	3.0
1952	4.3	7.7	5.1	575.0	450.0	381.0	241.0	3.2	2.5	1.6	1.4	1.4
1953	1.0	1.0	1.0	355.0	7.8	1.1	3.2	1.0	1.0	1.0	1.0	1.0
1954	1.0	2.0	3.5	2.5	2.0	2.0	2.5	1.4	1.2	1.0	1.0	1.5
1955	1.5	2.0	2.0	3.0	3.0	10.0	2.5	2.5	2.0	1.5	1.2	1.0
1956	1.0	1.5	2.0	385.0	372.0	110.0	3.4	2.2	2.0	1.5	1.0	1.0
1957	1.5	2.0	8.0	4.0	3.0	2.0	1.0	0.5	1.0	2.0	2.0	1.0
1958	1.0	1.0	3.0	3.0	2.0	158.0	242.0	70.0	4.0	27.0	157.0	104.0
1959	38.0	14.0	20.0	33.0	50.0	61.0	2.0	2.0	0.7	1.0	1.0	1.0
1960	2.6	3.9	4.4	4.4	4.4	5.8	4.2	1.1	1.0	1.5	1.0	1.0
1961	1.1	3.0	3.0	1.3	1.1	1.0	0.8	1.3	1.2	1.0	0.8	0.6
1962	0.7	0.7	1.8	1.3	1.2	40.0	2.6	1.5	1.3	1.4	0.8	1.1
1963	1.2	3.0	5.2	2.7	351.0	130.0	371.0	4.2	1.8	1.4	1.5	1.8
1964	2.6	3.4	45.0	32.0	6.9	5.6	5.1	1.7	0.9	1.1	0.7	0.9
1965	3.2	4.5	4.9	97.0	15.0	3.6	4.3	5.8	4.5	1.8	0.1	3.0
1966	2.3	2.8	2.3	56.0	54.0	3.5	4.2	7.4	0.6	0.7	1.0	1.8
1967	1.7	1.4	2.1	106.0	653.0	283.0	770.0	242.0	160.0	61.0	197.0	45.0
1968	8.5	12.0	11.0	2.5	2.7	2.1	2.1	0.9	2.2	1.0	0.5	0.6
1969	0.6	0.6	2.2	1.0	3620.0	2100.0	520.0	440.0	391.0	203.0	176.0	183.0
1970	283.0	180.0	18.0	29.0	58.0	103.0	3.8	3.7	1.3	1.3	1.3	2.1
1971	2.1	9.0	2.0	96.0	20.0	8.0	6.5	6.5	1.5	1.4	1.5	1.6
1972	2.2	2.8	6.1	5.5	3.3	0.8	0.5	0.5	1.2	1.4	1.0	2.5
1973	3.0	2.7	2.5	2.5	390.0	896.0	135.0	2.8	1.9	1.4	0.6	1.3
1974	22.0	45.0	40.0	33.0	194.0	196.0	136.0	4.7	4.4	1.4	1.4	33.0
1975	142.0	40.0	38.0	55.0	64.0	312.0	147.0	4.8	1.1	1.7	1.7	20.0
1976	3.7	18.0	9.3	3.2	3.2	2.4	2.2	1.3	1.0	1.4	1.5	2.0
1977	0.3	0.8	0.8	1.1	0.9	1.0	1.0	1.6	1.0	1.1	0.8	0.9
1978	1.2	1.2	1.4	237.0	340.0	1640.0	730.0	3.8	1.8	1.5	8.1	34.0
1979	1.1	0.9	15.0	4.5	13.0	95.0	5.0	0.7	1.3	1.1	0.6	1.1
1980	1.0	0.9	1.2	9.6	472.0	664.0	156.0	3.2	1.2	0.5	0.7	1.2
1981	0.8	0.9	1.0	1.5	75.0	30.0	2.8	1.1	1.1	1.0	1.0	1.0
1982	2.0	2.5	0.9	1.3	75.0	94.0	969.0	102.0	10.0	1.6	0.9	74.0
1983	190.0	297.0	181.0	526.0	2460.0	4210.0	1670.0	1900.0	340.0	340.0	267.0	358.0
1984	22.0	13.0	205.0	589.0	312.0	24.0	2.9	1.0	1.0	1.1	0.6	1.2
1985	2.1	1.7	3.2	1.7	1.7	1.6	1.5	0.7	0.5	0.4	1.0	0.2
1986	0.5	0.2	0.1	0.1	0.5	658.0	199.0	2.7	2.0	1.4	2.1	3.2
1987	0.5	0.7	12.0	45.0	32.0	5.3	0.3	0.7	0.6	0.3	1.0	1.9
1988	2.3	1.6	1.4	1.6	1.6	1.7	1.7	1.4	1.8	1.9	1.9	1.9
1989	1.6	2.0	1.6	1.6	1.7	1.5	1.8	1.7	1.8	1.9	1.9	1.9
1990	2.0	2.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	0.0	346.0	286.0	0.8	0.0	0.0	0.0	0.0	0.0

Groundwater Recharge Project

Table B-7: Minimum Daily Flow, Salinas River nr Spreckels, CA (cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	424.0	385.0	618.0	48.0	0.0	0.0	0.0	0.0
1996	26.0	39.0	11.0	0.0	1060.0	386.0	0.6	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	2440.0	914.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	679.0	1200.0	709.0	408.0	103.0	92.0	8.0	0.0
1999	0.0	0.0	180.0	120.0	150.0	53.0	7.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	10.0	1.7	17.0	218.0	14.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	14.0	0.0	239.0	17.0	1.7	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	5.3	0.2	3.5	0.0	0.1	0.0	0.2	0.0	2.7
2003	0.0	0.0	0.0	7.6	0.1	0.1	0.0	0.9	0.0	0.0	0.0	0.0
2004	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.5	0.0	0.0	0.2	0.0
2005	0.0	0.0	0.0	1010.0	665.0	1030.0	209.0	52.0	0.2	0.3	0.1	0.0
2006	0.0	0.0	9.3	226.0	43.0	458.0	804.0	226.0	0.7	0.1	0.1	0.0
2007	0.0	0.0	0.0	34.0	0.9	0.0	0.0	0.7	0.0	0.0	0.0	0.0
2008	0.0	0.0	0.0	0.1	223.0	104.0	0.9	0.0	0.0	0.0	0.0	0.0
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	0.0	0.0	0.0	0.0	455.0	274.0	232.0	9.4	0.7	28.0	16.0	1.5
2011	0.0	0.0	0.0	177.0	109.0	329.0	461.0	143.0	86.0	74.0	0.2	0.2
2012	16.0	0.3	0.1	0.0	0.0	0.0	57.0	24.0	13.0	12.0	13.0	15.0
2013	0.0	0.0	0.2	5.7	0.2	0.2	9.5	25.0	27.0	16.0	25.0	23.0
Average	10.8	10.8	12.7	108.7	285.1	314.3	174.7	57.0	16.4	11.4	11.3	11.9
Median	1.2	2.0	3.0	4.4	15.0	30.0	4.2	1.7	1.1	1.0	1.0	1.0
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum	283.0	297.0	205.0	2440.0	3620.0	4210.0	1880.0	1900.0	391.0	340.0	267.0	358.0

Data from USGS Gage 11152500

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
AVG 1932-1956	3.6	6.9	7.0	115.3	360.3	362.7	203.5	36.3	6.8	1.9	1.2	1.9
AVG 1957-2009	14.7	13.5	16.3	110.3	260.5	303.8	160.0	67.2	19.8	14.3	15.9	16.8
AVG 2010-2013	4.0	0.1	0.1	45.7	141.0	150.8	189.9	50.4	31.7	32.5	13.6	9.9
MED 1932-1956	2.5	5.9	5.3	7.2	10.0	32.0	8.5	3.2	1.8	1.0	1.0	1.0
MED 1957-2009	1.1	1.0	2.1	3.2	17.0	30.0	2.9	1.4	1.0	1.0	0.8	1.0
MED 2010-2013	0.0	0.0	0.0	2.9	54.6	137.1	144.5	24.5	20.0	22.0	14.5	8.3

Data from USGS Gage 11152500

Period 1932-1956 predates the addition of San Antonio Reservoir (1967) and Nacimiento Reservoir (1957)

Period 1957-2009: Reservoir releases made to recharge Salinas Valley Groundwater Basin

Period 2010-2013: Operating period of the Salinas River Diversion Facility

Groundwater Recharge Project
Table B-8: Calculated Monthly Flow, Salinas River nr Spreckels, CA (acre-feet)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	14	119	197,697	96,918	314,523	25,505	4,236	527	184	72	83	363	640,241
1933	463	610	724	5,233	11,399	430	232	111	72	8	0	89	19,372
1934	148	441	988	38,450	21,751	26,204	293	50	36	0	0	0	88,360
1935	206	339	223	64,200	5,363	23,601	120,147	10,348	304	27	9	31	224,798
1936	95	149	154	2,379	293,942	50,033	34,798	2,671	170	22	12	9	384,433
1937	131	294	295	5,462	319,894	211,617	65,498	10,274	755	108	12	6	614,346
1938	89	201	53,933	10,921	663,114	586,790	57,743	20,922	2,936	553	307	357	1,397,866
1939	738	714	799	615	555	9,850	1,250	278	65	0	0	0	14,864
1940	0	0	0	107,129	217,543	154,705	54,216	5,867	457	181	61	220	540,380
1941	492	714	53,433	177,185	517,091	514,770	427,339	57,997	13,484	2,739	444	273	1,765,961
1942	626	1,008	71,006	144,577	93,102	78,238	110,975	29,111	3,993	479	274	412	533,801
1943	718	952	6,377	238,108	107,845	327,491	52,417	9,368	896	324	85	164	744,745
1944	498	770	507	491	93,909	175,196	13,244	4,727	476	123	61	60	290,061
1945	430	849	738	631	193,591	65,623	28,756	1,815	179	61	61	238	292,973
1946	649	833	68,501	18,522	10,064	4,227	28,830	356	63	56	61	119	132,281
1947	651	1,137	571	247	2,619	1,067	168	61	48	31	60	308	6,966
1948	845	1,057	710	189	86	106	101	36	30	31	31	40	3,262
1949	148	468	368	160	120	48,344	681	88	44	42	57	59	50,577
1950	154	446	369	184	27,479	215	119	92	107	92	92	89	29,439
1951	215	7,380	8,642	12,135	3,221	3,352	60	61	60	61	61	179	35,427
1952	360	543	13,957	344,928	57,342	205,097	41,794	3,908	149	98	86	83	668,344
1953	76	60	7,250	95,252	6,892	3,713	352	787	60	61	61	60	114,625
1954	61	316	413	222	18,427	29,803	21,545	110	71	61	61	89	71,181
1955	92	119	123	184	167	615	149	154	119	92	74	60	1,947
1956	61	89	124,719	168,050	74,354	23,476	1,991	859	119	92	61	60	393,932
1957	92	119	492	246	167	123	60	31	60	123	123	60	1,694
1958	61	60	184	184	54,420	173,643	399,531	11,191	1,019	8,027	10,798	9,439	668,558
1959	4,330	1,426	1,634	6,307	60,827	44,580	757	2,154	549	61	61	549	123,238
1960	490	282	452	555	20,042	2,376	276	157	74	107	76	60	24,947
1961	68	179	184	80	61	61	48	80	71	61	49	48	991
1962	44	54	129	114	92,629	27,618	366	115	87	93	71	73	121,392
1963	164	247	346	2,778	99,578	17,788	43,016	11,494	173	95	168	334	176,180
1964	1,102	2,751	3,124	7,613	10,890	388	362	254	70	75	60	133	26,823
1965	275	435	1,081	39,132	4,314	278	8,858	555	350	151	97	275	55,801
1966	215	5,130	2,180	11,556	7,315	1,013	425	687	170	55	90	136	28,971
1967	141	113	97,858	54,833	120,706	74,951	107,290	41,480	16,707	7,547	15,529	16,919	554,074
1968	1,353	4,257	3,162	308	183	1,030	140	87	234	308	136	107	11,306
1969	357	241	198	366,416	547,716	341,911	110,559	36,099	24,948	17,236	11,209	19,958	1,476,846
1970	24,748	17,080	4,691	49,759	15,707	45,987	1,493	975	1,225	80	751	179	162,675
1971	1,178	3,121	13,557	9,626	3,106	3,969	430	522	1,041	141	121	142	36,953
1972	944	324	3,644	709	255	178	1,224	73	109	209	137	199	8,005
1973	783	5,039	193	39,644	198,327	153,715	24,345	2,861	166	103	136	615	425,928
1974	4,225	4,782	13,073	183,408	19,799	62,916	42,583	2,863	599	165	1,068	4,598	340,078
1975	12,139	7,678	10,441	5,954	117,923	76,530	21,634	2,373	491	330	651	5,706	261,851
1976	4,338	1,595	2,343	261	309	239	461	100	78	115	131	165	10,135
1977	430	62	88	390	67	78	76	111	82	74	65	81	1,604
1978	83	75	16,107	136,740	441,372	322,076	71,290	13,200	134	116	998	6,438	1,008,629
1979	364	543	1,997	7,627	53,502	45,251	18,651	90	107	74	55	91	128,352
1980	87	67	4,293	185,670	433,674	214,731	22,017	3,077	110	99	1,310	2,150	867,284
1981	69	65	80	9,908	21,293	25,254	5,885	103	99	82	84	119	63,041
1982	158	2,460	129	22,626	9,146	20,301	168,077	21,646	4,290	443	1,234	6,746	257,255
1983	14,220	23,137	154,401	344,015	419,167	777,005	147,729	174,565	45,640	24,805	21,747	23,472	2,169,903
1984	7,297	6,607	68,442	106,502	28,766	7,055	470	86	73	85	159	137	225,681
1985	1,284	668	758	326	1,909	151	131	101	44	97	223	31	5,725
1986	1,134	725	2,165	223	144,466	216,776	32,463	3,440	367	827	193	232	403,011
1987	144	1,082	3,174	4,088	8,711	2,968	75	54	64	81	152	189	20,781
1988	176	123	119	1,021	197	202	113	131	132	140	138	136	2,629
1989	140	135	170	135	117	120	123	129	123	120	120	125	1,558
1990	143	160	144	137	0	0	0	0	0	0	0	0	584
1991	0	0	0	0	0	31,214	14	1	0	0	0	0	31,229
1992	0	0	0	0	24,963	564	4	0	0	0	0	0	25,531
1993	0	0	0	118,693	179,062	75,554	19,961	7	0	0	0	0	393,277
1994	0	0	0	0	5,595	212	0	0	0	0	0	0	5,807
1995	0	0	0	153,340	43,755	542,150	77,474	19,111	325	333	0	547	837,037
1996	2,892	4,979	2,390	500	176,688	97,541	9,473	5	545	0	0	0	295,012
1997	950	2,311	65,643	429,977	134,170	8,880	0	0	103	4	0	0	642,038
1998	0	0	71	26,491	903,132	143,603	111,582	58,633	12,472	11,417	2,265	852	1,270,520
1999	0	9,070	13,862	10,685	27,193	11,788	12,375	340	1,805	0	457	875	88,450
2000	0	962	2,739	11,378	135,511	70,667	4,917	1,663	154	566	542	1,081	230,180
2001	0	0	439	4,984	16,327	109,985	5,681	1,278	507	299	0	324	139,825
2002	0	0	6,916	7,283	297	633	456	937	71	858	204	905	18,560

Groundwater Recharge Project
Table B-8: Calculated Monthly Flow, Salinas River nr Spreckels, CA (acre-feet)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2003	156	1	9,897	9,805	54	1,604	10	4,208	4	200	53	7	26,000
2004	0	0	1,900	1,943	8,681	6,359	23	991	30	733	2,718	0	23,378
2005	0	0	21	176,073	143,252	132,813	32,136	9,507	934	1,855	530	1	497,123
2006	0	1,355	2,399	47,550	6,621	45,134	221,720	27,120	4,996	113	766	13	357,786
2007	0	902	660	5,107	647	517	308	515	316	76	166	1	9,214
2008	0	0	1,115	22,996	32,932	19,144	1,530	6	0	0	0	0	77,723
2009	0	0	0	0	1,202	8,468	0	0	0	0	0	0	9,670
2010	189	0	3,692	54,234	54,202	56,087	20,682	5,245	1,717	2,483	1,823	1,014	201,367
2011	798	0	11,693	49,708	37,644	188,140	84,448	15,604	7,638	5,100	3,214	195	404,182
2012	2,311	694	8	792	19	145	5,687	2,997	1,335	1,738	1,283	1,757	18,765
2013	2,016	38	7,495	2,595	61	258	1,609	2,128	2,277	2,079	1,932	1,946	24,433
Average	1,220	1,594	14,079	52,017	96,623	82,717	35,463	7,826	1,946	1,163	1,049	1,372	297,070
Median	164	339	988	7,283	20,042	23,476	1,991	687	134	98	90	133	121,392
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	584
Maximum	24,748	23,137	197,697	429,977	903,132	777,005	427,339	174,565	45,640	24,805	21,747	23,472	2,169,903

Data from USGS Gage 11152500

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
AVG 1932-1956	318	784	24,500	61,295	122,176	102,803	42,677	6,423	995	217	85	135	362,407
AVG 1957-2009	1,637	2,083	9,794	49,541	90,127	74,870	32,615	8,589	2,297	1,483	1,427	1,967	276,431
AVG 2010-2013	1,328	183	5,722	26,832	22,982	61,158	28,106	6,494	3,242	2,850	2,063	1,228	162,187
MED 1932-1956	206	468	738	10,921	27,479	26,204	13,244	787	119	61	61	89	224,798
MED 1957-2009	144	247	1,115	7,283	19,799	17,788	1,224	515	132	107	136	136	88,450
MED 2010-2013	1,407	19	5,593	26,151	18,853	28,172	13,184	4,121	1,997	2,281	1,877	1,386	112,900

Data from USGS Gage 11152500

Period 1932-1956 predates the addition of San Antonio Reservoir (1967) and Nacimiento Reservoir (1957)

Period 1957-2009: Reservoir releases made to recharge Salinas Valley Groundwater Basin

Period 2010-2013: Operating period of the Salinas River Diversion Facility

Table B-9: Water Rights Database GIS Capture, PODs near Salinas

Application ID	No.	Permit ID	License ID	DB ID	Water Right Type	Water Right Type ID	Status	Holder Name	Date	Face Amt	County	Watershed	Source
A013225	1	11043	0	3413	Appropriative	84	Permitted	MONTEREY COUNTY WATER RESOURCES AGENCY	7/11/1949	168,538.0	Monterey	SALINAS, SALINAS	SALINAS RIVER
A016124	2	10137	7543	4833	Appropriative	84	Licensed	MONTEREY COUNTY WATER RESOURCES AGENCY	11/4/1954	350,000.0	Monterey, San L	SALINAS, SALINAS	NACIMIENTO RIVER, Salinas River
A016761	2	12261	12624	5163	Appropriative	84	Licensed	MONTEREY COUNTY WATER RESOURCES AGENCY	12/2/1955	220,000.0	Monterey	SALINAS, SALINAS	SAN ANTONIO RIVER, Salinas River
A030532	2	21089	0	14037	Appropriative	84	Permitted	MONTEREY COUNTY WATER RESOURCES AGENCY	3/25/1996	27,900.0	Monterey, San L	SALINAS, SALINAS	NACIMIENTO RIVER, Salinas River
S014817	1	0	0	37657	Statement of Div and Use	92	Inactive	STEPHEN JENSEN	7/5/2000	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014826	1	0	0	37666	Statement of Div and Use	92	Claimed	ELMER N JENSEN & ELSIE R JENSEN LIVING TRUST	5/28/1997	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014867	1	0	0	37707	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014868	1	0	0	37708	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014869	1	0	0	37709	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014870	1	0	0	37710	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014872	1	0	0	37712	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014873	1	0	0	37713	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014874	1	0	0	37714	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014875	1	0	0	37715	Statement of Div and Use	92	Inactive	TANIMURA & ANTLE INC	6/28/2013	-	Monterey	SALINAS	GROUNDWATER USE
S014876	1	0	0	37716	Statement of Div and Use	92	Inactive	TANIMURA & ANTLE INC	6/28/2013	-	Monterey	SALINAS	GROUNDWATER USE
S014877	1	0	0	37717	Statement of Div and Use	92	Inactive	TANIMURA & ANTLE INC	6/28/2013	-	Monterey	SALINAS	GROUNDWATER USE
S014878	1	0	0	37718	Statement of Div and Use	92	Claimed	T. Yuki Farms, LPll	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014879	1	0	0	37719	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014880	1	0	0	37720	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014881	1	0	0	37721	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014882	1	0	0	37722	Statement of Div and Use	92	Claimed	Robert Tanimura 1980 IrrevocableTrust; et al	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014883	1	0	0	37723	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014884	1	0	0	37724	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	5/30/2013	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014885	1	0	0	37725	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014886	1	0	0	37726	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014887	1	0	0	37727	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014888	1	0	0	37728	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014889	1	0	0	37729	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014890	1	0	0	37730	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014892	1	0	0	37732	Statement of Div and Use	92	Claimed	Tanimura & Antle Partnership; et al	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014893	1	0	0	37733	Statement of Div and Use	92	Claimed	Tanimura & Antle Partnership; et al	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014894	1	0	0	37734	Statement of Div and Use	92	Claimed	Tanimura & Antle Partnership; et al	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014895	1	0	0	37735	Statement of Div and Use	92	Claimed	Tanimura & Antle Partnership; et al	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S014896	1	0	0	37736	Statement of Div and Use	92	Claimed	Tanimura & Antle Partnership; et al	1/22/1998	-	Monterey	SALINAS	SALINAS RIVER UNDERFLOW
S016592	1	0	0	51867	Statement of Div and Use	92	Claimed	TANIMURA LAND COMPANY LLC	7/6/2010	192.4	Monterey	SALINAS	Salinas River Underflow
S021637	1	0	0	53889	Statement of Div and Use	92	Claimed	PORTER FAMILY PARTNERSHIP, LP	7/6/2010	136,339.0	Monterey	SALINAS	Salinas River Underflow
S021638	1	0	0	53890	Statement of Div and Use	92	Claimed	PORTER FAMILY PARTNERSHIP, LP	7/6/2010	107,448.0	Monterey	SALINAS	Salinas River Underflow
S021639	1	0	0	53891	Statement of Div and Use	92	Claimed	M.B.T. FAMILY PARTNERSHIP	7/6/2010	202,417.0	Monterey	SALINAS	Salinas River Underflow
S021641	1	0	0	53893	Statement of Div and Use	92	Claimed	THE HARDY FAMILY TRUST, ET AL.	7/6/2010	262.5	Monterey	SALINAS	Salinas River Underflow
S021642	1	0	0	53900	Statement of Div and Use	92	Claimed	THE HARDY FAMILY TRUST, ET AL.	7/6/2010	333.8	Monterey	SALINAS	Salinas River Underflow
S023945	1	0	0		Statement of Div and Use	92	Claimed	TANIMURA & ANTLE	7/2/2013	-	Monterey	SALINAS	Salinas Valley Basin
S023947	1	0	0		Statement of Div and Use	92	Claimed	TANIMURA & ANTLE	7/2/2013	-	Monterey	SALINAS	Salinas Valley Basin

Table B-10: Surface Water Rights and Claims in the Salinas River below Spreckels

Water Right ID	Source	Direct Diversion Rate (cfs)	Direct Diversion Season	Face Value Direct Diversion Amount Oct. 1- Mar. 31 (af)	Face Value Storage Amount (af)	Storage Season	Reported Use 2011 (Used)	Reported Use 2012 (Used)	Purpose of Use Code**
A016124, Permit 10137	Nacimiento River, Salinas River			350,000	377,900	Oct 1 - July 1	197,000	158,633	M, D, I, J, R
A016761, Permit 12261	San Antonio River, Salinas River			220,000	335,000	Oct 1 - July 1	26,410	72,175	M, D, I, J, R
A030532, Permit 21089	Nacimiento River, Salinas River			27,900		Oct 1 - July 1	-	-	M, D, I, J, R
A013225, Permit 11043	Salinas River	400	Jan 1 - Dec 31	135,000			84,270	-	I, M
Totals				732,900	712,900		307,680	230,808	

Blank fields indicate no data/ no report

**B-Mining, C-Milling, D-Domestic, E-Fire Protection, G-Dust Control, H-Fish Culture, I-Irrigation, J-Industrial, K-Incidental Power, L-Heat Protection, M-Municipal, N-Frost Protection, P-Power, R-Recreational, S-Stockwatering, T-Snow Making, W-Fish and Wildlife Protection and/or Enhancement, Z-Other.

Table B-11: Stream Water Quality, Salinas River below Spreckels to Potrero Road

Note: Location above or below indicates multiple sampling locations

Stream	Location	Analyte Name	No. Samples	Units	Mean	Min	Max
Salinas River	below Spreckels	Ammonia as N, Unionized	37	mg/L	0.02	0.0007	0.13
Salinas River	below Spreckels	Ammonia as NH3	38	mg/L	0.12	0.00	0.98
Salinas River	below Spreckels	Chlorophyll a, water column	36	mg/L	0.0033	0.0003	0.023
Salinas River	below Spreckels	Chlorpyrifos	32	mg/L	0.0011	0.00	0.029
Salinas River	below Spreckels	Diazinon	32	mg/L	0.008	0.00	0.22
Salinas River	below Spreckels	Dissolved Solids, Total	38	mg/L	369.60	230.00	610.00
Salinas River	below Spreckels	Nitrate as N	76	mg/L	5.08	0.002	78.00
Salinas River	below Spreckels	OrthoPhosphate as P	75	mg/L	0.23	0.0075	2.60
Salinas River	below Spreckels	Oxygen, Dissolved	37	mg/L	0.36	0.00	2.66
Salinas River	below Spreckels	Turbidity	58	NTU	118.66	1.40	2,584.00
Salinas Lagoon	Salinas Lagoon	Ammonia as NH3	32	mg/L	0.05	0.00	0.52
Salinas Lagoon	Salinas Lagoon	Chlorpyrifos	28	mg/L	0.000064	0.00	0.00021
Salinas Lagoon	Salinas Lagoon	Diazinon	24	mg/L	0.000036	0.00	0.00020
Salinas Lagoon	Salinas Lagoon	Nitrate as N	32	mg/L	11.31	0.06	67.00
Salinas Lagoon	Salinas Lagoon	OrthoPhosphate as P	33	mg/L	0.31	0.00	1.09
Salinas Lagoon	Salinas Lagoon	Turbidity	18	NTU	29.77	3.76	76.70
Old Salinas River	above Potrero Rd	Ammonia as N, Unionized	96	mg/L	0.0075	0.0002	0.027
Old Salinas River	above Potrero Rd	Ammonia as NH3	22	mg/L	0.24	0.00	1.17
Old Salinas River	above Potrero Rd	Chloride	109	mg/L	2,504.48	79.00	17,000.00
Old Salinas River	above Potrero Rd	Chlorophyll a, water column	134	mg/L	0.029	0.00045	0.24
Old Salinas River	above Potrero Rd	Chlorpyrifos	33	mg/L	0.00022	0.000044	0.0010
Old Salinas River	above Potrero Rd	Coliform, Fecal	106	MPN/100 ml	3,222.87	23.00	92,000.00
Old Salinas River	above Potrero Rd	Coliform, Total	106	MPN/100 ml	19,573.45	260.00	240,000.00
Old Salinas River	above Potrero Rd	Diazinon	31	mg/L	0.011	0.00	0.21
Old Salinas River	above Potrero Rd	Dissolved Solids, Total	116	mg/L	5,964.12	193.00	59,000.00
Old Salinas River	above Potrero Rd	Nitrate as N	138	mg/L	19.50	0.00	64.00
Old Salinas River	above Potrero Rd	OrthoPhosphate as P	138	mg/L	0.42	0.00	2.40
Old Salinas River	above Potrero Rd	Oxygen, Dissolved	138	mg/L	1.02	0.00	18.03
Old Salinas River	above Potrero Rd	Suspended Solids, Total	114	mg/L	113.33	5.00	578.00
Old Salinas River	above Potrero Rd	Turbidity	158	NTU	183.41	0.10	4,869.00

Highlighted cells exceed TMDL / standards. See table B-7.

Min value of 0.00 = Not Detected.

Table B-12: Total Maximum Daily Loads

Analyte Name	Units	Standard	Reference
Ammonia as N, Unionized	mg/L	0.025	Board Order R3-2013-0008
Ammonia as NH3	mg/L	0.025	CCAMP Proposed
Chloride	mg/L	150	Basin Plan
Chlorophyll a, water column	mg/L	0.015	Board Order R3-2013-0008
Chlorpyrifos	mg/L	CMC 0.00025 CCC 0.00015	Board Decision 2011
Coliform, Fecal	MPN/100 ml	400	Basin Plan, Water Body Contact
Coliform, Total	MPN/100 ml	10,000	US EPA
Diazinon	mg/L	CMC 0.00016 CCC 0.00010	CC RWQCB Decision 2011
Dissolved Solids, Total	mg/L	1000	CCAMP Proposed
Nitrate as N (all streams with MUN use)	mg/L	10	Board Order R3-2013-0008
Nitrate as N (Salinas River)	mg/L	1.4 (dry season) 8.0 (wet season)	Board Order R3-2013-0008
Nitrate as N (Rec. Ditch, Tembladero, Blanco Drain, Alisal Slough, Espinosa Slough, Merritt Ditch, Santa Rita Creek)	mg/L	6.4 (dry season) 8.0 (wet season)	Board Order R3-2013-0008
Nitrate as N (OSR)	mg/L	3.1 (dry season) 8.0 (wet season)	Board Order R3-2013-0008
OrthoPhosphate as P (Salinas River)	mg/L	0.07 (dry season) 0.30 (wet season)	Board Order R3-2013-0008
Orthophosphate as P (Rec. Ditch, Tembladero, Blanco Drain, Alisal Slough, Espinosa Slough, Merritt Ditch, Santa Rita Creek)	mg/L	0.13 (dry season) 0.30 (wet season)	Board Order R3-2013-0008
Oxygen, Dissolved	mg/L	>7.0 and <13.0 (Cold) >5.0 and <13.0 (Warm)	Board Order R3-2013-0008
Suspended Solids, Total	mg/L	500	CCAMP Proposed
Turbidity	NTU	10	CCAMP Proposed

CMC = Criterion Maximum Concentration (1-hr average)

CCC = Criterion Continuous Concentration (96-hour average)

Order R3-2013-0008: Lower Salinas River Watershed Nutrient TMDL

Seasonal targets for nitrate and orthophosphate

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Appendix C: Analysis Statistical Outputs

Salinas River below SIWTF, Estimated Number of Days at or above Target Flows

Salinas River below SIWTF, Percentile Flows by Month

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Groundwater Recharge Project													
Estimated No. Days with Flow of 72 cfs or Higher, Salinas River below SRDF, Current Condition													
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	13	0	0	0	0	0	111
1933	0	0	0	4	9	0	0	0	0	0	0	0	13
1934	0	0	0	14	7	25	0	0	0	0	0	0	46
1935	0	0	0	24	16	24	30	21	0	0	0	0	115
1936	0	0	0	4	26	31	30	9	0	0	0	0	100
1937	0	0	0	10	28	31	30	26	0	0	0	0	125
1938	0	0	21	15	28	31	30	31	9	0	0	0	165
1939	0	0	0	0	0	19	0	0	0	0	0	0	19
1940	0	0	0	21	29	31	30	16	0	0	0	0	127
1941	0	0	8	31	28	31	30	31	30	7	0	0	196
1942	0	0	16	31	28	31	30	31	13	0	0	0	180
1943	0	0	5	29	28	31	30	26	0	0	0	0	149
1944	0	0	0	0	24	31	30	10	0	0	0	0	95
1945	0	0	0	0	27	31	30	4	0	0	0	0	92
1946	0	0	10	31	28	10	24	0	0	0	0	0	103
1947	0	1	0	0	6	2	0	0	0	0	0	0	9
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	1	0	0	0	0	0	29
1950	0	0	0	0	13	0	0	0	0	0	0	0	13
1951	0	5	15	12	9	11	0	0	0	0	0	0	52
1952	0	0	2	31	29	31	30	11	0	0	0	0	134
1953	0	0	8	31	18	8	0	3	0	0	0	0	68
1954	0	0	0	0	12	12	19	0	0	0	0	0	43
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	4	0	0	0	0	0	104
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	0	26	31	30	204
1959	13	1	0	11	19	30	0	6	0	0	0	1	81
1960	0	0	0	0	26	9	0	0	0	0	0	0	35
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	19	0	0	0	0	109
1964	0	10	0	10	18	0	0	0	0	0	0	0	38
1965	0	0	3	31	18	0	17	0	0	0	0	0	69
1966	0	14	4	27	25	0	0	0	0	0	0	0	70
1967	0	0	26	31	28	31	30	31	30	29	31	27	294
1968	0	17	13	0	0	2	0	0	0	0	0	0	32
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	15	22	26	31	4	0	0	0	0	0	159
1971	0	1	17	31	10	7	0	0	0	0	0	0	66
1972	0	0	5	0	0	0	3	0	0	0	0	0	8
1973	0	7	0	15	28	31	30	11	0	0	0	0	122
1974	16	9	24	29	28	31	30	9	0	0	0	15	191
1975	31	18	28	25	28	31	30	7	0	0	0	17	215
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	13	31	28	31	30	20	0	0	0	22	175
1979	0	0	0	10	17	31	20	0	0	0	0	0	78
1980	0	0	6	26	29	31	30	13	0	0	0	10	145
1981	0	0	0	4	28	26	15	0	0	0	0	0	73
1982	0	4	0	27	28	31	30	31	19	0	4	30	204
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	15	15	31	31	29	22	0	0	0	0	0	0	143
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	2	3	0	19	31	30	11	0	0	0	0	102
1987	0	0	12	13	14	9	0	0	0	0	0	0	48
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	0	0	0	0	0	0	0	10
1993	0	0	0	23	28	31	23	0	0	0	0	0	105
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	28	0	0	0	0	143
1996	5	25	2	2	29	31	21	0	0	0	0	0	115
1997	0	7	21	31	28	12	0	0	0	0	0	0	99
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	27	24	0	6	0	0	0	166
2000	0	4	9	11	21	31	17	3	0	0	0	0	96
2001	0	0	0	9	16	31	18	0	0	0	0	0	74
2002	0	0	15	13	0	0	0	0	0	0	0	0	28
2003	0	0	14	21	0	5	0	16	0	0	0	0	56
2004	0	0	9	5	9	14	0	0	0	0	9	0	46
2005	0	0	0	31	28	31	30	28	0	2	0	0	150
2006	0	5	4	31	20	31	30	31	16	0	0	0	168
2007	0	3	2	18	0	0	0	0	0	0	0	0	23
2008	0	0	0	12	29	31	5	0	0	0	0	0	77
2009	0	0	0	0	3	11	0	0	0	0	0	0	14
2010	1	0	7	13	28	31	30	16	0	0	0	0	126
2011	0	0	10	31	28	31	30	31	28	18	13	0	220
2012	0	0	0	2	0	0	27	1	0	0	0	0	30
2013	0	1	11	8	0	0	0	0	0	0	0	0	20
Average	2	3	6	14	17	18	14	8	3	2	2	3	91
Median	0	0	0	11	19	26	5	0	0	0	0	0	77
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7428

Groundwater Recharge Project													
Estimated No. Days with Flow of 60 cfs or Higher, Salinas River below SRDF, Current Condition													
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	18	24	30	23	0	0	0	0	119
1936	0	0	0	4	26	31	30	10	0	0	0	0	101
1937	0	0	0	13	28	31	30	28	0	0	0	0	130
1938	0	0	21	16	28	31	30	31	12	0	0	0	169
1939	0	0	0	0	0	20	0	0	0	0	0	0	20
1940	0	0	0	22	29	31	30	19	0	0	0	0	131
1941	0	0	8	31	28	31	30	31	30	11	0	0	200
1942	0	0	16	31	28	31	30	31	16	0	0	0	183
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	12	0	0	0	0	97
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	2	0	0	7	3	0	0	0	0	0	0	12
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	10	11	0	0	0	0	0	0	56
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	20	9	0	3	0	0	0	0	71
1954	0	0	0	0	13	12	19	0	0	0	0	0	44
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	6	1	0	0	0	0	107
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	2	26	31	30	206
1959	28	2	0	17	19	31	2	8	0	0	0	2	109
1960	0	0	0	0	26	12	0	0	0	0	0	0	38
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	6	11	19	0	0	0	0	0	0	0	46
1965	0	0	3	31	20	0	18	0	0	0	0	0	72
1966	0	14	5	31	28	0	0	0	0	0	0	0	78
1967	0	0	26	31	28	31	30	31	30	31	31	29	298
1968	1	19	14	0	0	4	0	0	0	0	0	0	38
1969	0	0	0	15	28	31	30	31	30	31	31	30	257
1970	31	30	20	22	28	31	6	0	0	0	0	0	168
1971	3	1	17	31	14	8	0	0	0	0	0	0	74
1972	0	0	5	0	0	0	4	0	0	0	0	0	9
1973	2	10	0	15	28	31	30	12	0	0	0	0	128
1974	23	17	27	29	28	31	30	11	0	0	0	21	217
1975	31	22	28	31	28	31	30	8	0	0	0	19	228
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	14	31	28	31	30	21	0	0	0	26	181
1979	0	0	1	12	20	31	20	0	0	0	0	0	84
1980	0	0	6	27	29	31	30	14	0	0	5	12	154
1981	0	0	0	4	28	27	16	0	0	0	0	0	75
1982	0	6	0	27	28	31	30	31	22	0	7	30	212
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	19	18	31	31	29	24	0	0	0	0	0	0	152
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	5	0	19	31	30	13	0	0	0	0	107
1987	0	3	17	19	15	11	0	0	0	0	0	0	65
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	13	28	4	3	29	31	22	0	0	0	0	0	130
1997	1	8	21	31	28	12	0	0	0	0	0	0	101
1998	0	0	0	21	28	31	30	31	30	31	7	0	209
1999	0	19	31	31	28	31	25	0	9	0	0	0	174
2000	0	4	10	12	22	31	20	5	0	0	0	3	107
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	20	15	0	0	0	0	0	0	0	0	35
2003	0	0	14	22	0	6	0	18	0	0	0	0	60
2004	0	0	10	5	10	15	0	0	0	0	15	0	55
2005	0	0	0	31	28	31	30	30	1	3	0	0	154
2006	0	10	5	31	24	31	30	31	17	0	0	0	179
2007	0	4	3	21	0	0	0	0	0	0	0	0	28
2008	0	0	0	13	29	31	6	0	0	0	0	0	79
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	9	13	28	31	30	18	6	0	0	0	136
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	0	0	0	3	0	0	30	10	0	0	0	0	43
2013	0	1	13	11	0	0	0	0	0	0	0	0	25
Average	2	3	6	14	17	19	14	9	3	2	2	3	95
Median	0	0	0	13	20	27	6	0	0	0	0	0	79
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7814

Groundwater Recharge Project													
Estimated No. Days with Flow of 66 cfs or Higher, Salinas River below SRDF, Current Condition													
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	19	25	30	24	0	0	0	0	122
1936	0	0	0	4	26	31	30	11	0	0	0	0	102
1937	0	0	0	13	28	31	30	28	0	0	0	0	130
1938	0	0	21	17	28	31	30	31	13	0	0	0	171
1939	0	0	0	0	0	20	5	0	0	0	0	0	25
1940	0	0	0	22	29	31	30	20	0	0	0	0	132
1941	0	0	8	31	28	31	30	31	30	12	0	0	201
1942	0	0	16	31	28	31	30	31	17	0	0	0	184
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	12	0	0	0	0	97
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	13	25	0	0	0	0	0	107
1947	0	2	0	0	8	4	0	0	0	0	0	0	14
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	11	11	0	0	0	0	0	0	57
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	20	10	0	3	0	0	0	0	72
1954	0	0	0	0	13	12	20	0	0	0	0	0	45
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	7	2	0	0	0	0	109
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	4	26	31	30	208
1959	30	2	0	25	28	31	3	8	0	0	0	2	129
1960	0	0	0	0	27	14	0	0	0	0	0	0	41
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	30	0	0	0	0	0	0	49
1963	0	0	0	1	28	31	30	21	0	0	0	0	111
1964	0	10	14	11	19	0	0	0	0	0	0	0	54
1965	0	0	3	31	20	0	18	0	0	0	0	0	72
1966	0	15	5	31	28	0	0	0	0	0	0	0	79
1967	0	0	26	31	28	31	30	31	30	31	31	29	298
1968	1	20	14	0	0	4	0	0	0	0	0	0	39
1969	0	0	0	15	28	31	30	31	30	31	31	30	257
1970	31	30	22	23	28	31	6	0	0	0	0	0	171
1971	4	2	18	31	15	8	0	0	0	0	0	0	78
1972	0	0	5	1	0	0	5	0	0	0	0	0	11
1973	3	11	0	15	28	31	30	13	0	0	0	0	131
1974	24	21	28	29	28	31	30	12	0	0	0	25	228
1975	31	24	29	31	28	31	30	9	0	0	0	20	233
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	14	31	28	31	30	21	0	0	0	26	181
1979	0	1	4	13	20	31	21	0	0	0	0	0	90
1980	0	0	6	27	29	31	30	14	0	0	6	12	155
1981	0	0	0	4	28	28	17	0	0	0	0	0	77
1982	0	6	0	27	28	31	30	31	24	0	7	30	214
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	20	18	31	31	29	25	0	0	0	0	0	0	154
1985	4	1	0	0	3	0	0	0	0	0	0	0	8
1986	6	3	5	0	19	31	30	14	0	0	0	0	108
1987	0	4	19	23	16	13	0	0	0	0	0	0	75
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	2	0	0	0	0	0	0	12
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	10	0	0	0	0	0	0	0	10
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	14	28	4	3	29	31	23	0	0	0	0	0	132
1997	1	8	22	31	28	12	0	0	0	0	0	0	102
1998	0	0	0	22	28	31	30	31	30	31	7	1	211
1999	0	19	31	31	28	31	25	0	9	0	0	0	174
2000	0	4	10	12	22	31	22	8	0	0	0	5	114
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	21	15	0	0	0	0	0	0	0	0	36
2003	0	0	14	23	0	8	0	19	0	0	0	0	64
2004	0	0	11	5	11	15	0	0	0	1	15	0	58
2005	0	0	0	31	28	31	30	31	2	6	0	0	159
2006	0	10	6	31	26	31	30	31	17	0	0	0	182
2007	0	4	3	24	0	0	0	0	0	0	0	0	31
2008	0	0	2	14	29	31	7	0	0	0	0	0	83
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	10	13	28	31	30	18	9	1	0	0	141
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	6	0	0	3	0	1	30	13	0	0	0	2	55
2013	3	1	13	11	0	0	0	0	0	0	0	0	28
Average	3	3	7	14	18	19	14	9	3	2	2	3	97
Median	0	0	0	13	22	28	7	0	0	0	0	0	83
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7984

Groundwater Recharge Project													
Estimated No. Days with Flow of 50 cfs or Higher, Salinas River below SRDF, Current Condition													
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	16	0	0	0	0	0	114
1933	0	0	0	4	11	0	0	0	0	0	0	0	15
1934	0	0	0	16	7	28	0	0	0	0	0	0	51
1935	0	0	0	24	21	25	30	25	0	0	0	0	125
1936	0	0	0	4	26	31	30	12	0	0	0	0	103
1937	0	0	0	14	28	31	30	29	0	0	0	0	132
1938	0	0	21	18	28	31	30	31	14	0	0	0	173
1939	0	0	0	0	0	20	5	0	0	0	0	0	25
1940	0	0	0	22	29	31	30	22	0	0	0	0	134
1941	0	0	8	31	28	31	30	31	30	14	0	0	203
1942	0	0	16	31	28	31	30	31	18	0	0	0	185
1943	0	0	5	31	28	31	30	31	1	0	0	0	157
1944	0	0	0	0	24	31	30	16	0	0	0	0	101
1945	0	0	0	0	27	31	30	6	0	0	0	0	94
1946	0	0	10	31	28	15	26	0	0	0	0	0	110
1947	0	2	0	0	9	4	0	0	0	0	0	0	15
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	12	12	0	0	0	0	0	0	59
1952	0	0	3	31	29	31	30	14	0	0	0	0	138
1953	0	0	9	31	21	10	0	4	0	0	0	0	75
1954	0	0	0	0	13	12	20	0	0	0	0	0	45
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	9	2	0	0	0	0	111
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	5	27	31	30	210
1959	30	2	0	26	28	31	4	13	0	0	0	3	137
1960	0	0	0	0	27	15	0	0	0	0	0	0	42
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	30	0	0	0	0	0	0	49
1963	0	0	0	1	28	31	30	21	0	0	0	0	111
1964	0	12	31	13	20	0	0	0	0	0	0	0	76
1965	0	0	3	31	21	0	19	0	0	0	0	0	74
1966	0	16	6	31	28	3	0	0	0	0	0	0	84
1967	0	0	26	31	28	31	30	31	30	31	31	30	299
1968	4	21	17	0	0	5	0	0	0	0	0	0	47
1969	0	0	0	15	28	31	30	31	30	31	31	30	257
1970	31	30	25	24	28	31	7	0	0	0	0	0	176
1971	6	2	18	31	19	9	0	0	0	0	0	0	85
1972	0	0	5	1	0	0	6	0	0	0	0	0	12
1973	4	12	0	15	28	31	30	16	0	0	0	0	136
1974	25	30	31	29	28	31	30	14	0	0	0	27	245
1975	31	27	29	31	28	31	30	10	0	0	0	21	238
1976	11	0	22	0	0	0	0	0	0	0	0	0	33
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	14	31	28	31	30	22	0	0	0	26	182
1979	0	2	7	13	21	31	21	0	0	0	0	0	95
1980	0	0	6	27	29	31	30	15	0	0	6	12	156
1981	0	0	0	4	28	29	18	0	0	0	0	0	79
1982	0	8	0	27	28	31	30	31	24	0	8	30	217
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	21	18	31	31	29	26	0	0	0	0	0	0	156
1985	5	1	0	0	3	0	0	0	0	0	0	0	9
1986	6	3	5	1	20	31	30	15	0	1	0	0	112
1987	0	5	20	31	20	14	0	0	0	0	0	0	90
1988	0	0	0	3	0	0	0	0	0	0	0	0	3
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	2	0	0	0	0	0	0	12
1993	0	0	0	23	28	31	25	0	0	0	0	0	107
1994	0	0	0	0	11	0	0	0	0	0	0	0	11
1995	0	0	0	26	28	31	30	31	0	2	0	0	148
1996	15	29	6	3	29	31	23	0	1	0	0	0	137
1997	1	8	22	31	28	13	0	0	0	0	0	0	103
1998	0	0	0	22	28	31	30	31	30	31	8	2	213
1999	0	19	31	31	28	31	25	0	9	0	0	1	175
2000	0	4	11	13	23	31	23	9	0	0	1	6	121
2001	0	0	0	13	16	31	22	5	0	0	0	0	87
2002	0	0	23	16	0	0	0	0	0	0	0	0	39
2003	0	0	14	23	0	8	0	20	0	0	0	0	65
2004	0	0	12	5	12	16	0	2	0	4	19	0	70
2005	0	0	0	31	28	31	30	31	3	8	0	0	162
2006	0	10	6	31	28	31	30	31	18	0	2	0	187
2007	0	4	3	25	0	0	0	0	0	0	0	0	32
2008	0	0	3	15	29	31	8	0	0	0	0	0	86
2009	0	0	0	0	5	12	0	0	0	0	0	0	17
2010	1	0	11	13	28	31	30	19	11	2	0	0	146
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	11	2	0	3	0	1	30	17	0	0	0	3	67
2013	10	1	13	12	0	0	0	0	0	0	0	0	36
Average	3	4	7	15	18	19	14	9	3	3	2	3	101
Median	0	0	0	13	23	28	9	0	0	0	0	0	90
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 8252

Groundwater Recharge Project

Estimated No. Days with Flow of 72 cfs or Higher, Salinas River below SRDF, Diverting Ag Wash Water and Stormwater

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	13	0	0	0	0	0	111
1933	0	0	0	4	9	0	0	0	0	0	0	0	13
1934	0	0	0	14	7	25	0	0	0	0	0	0	46
1935	0	0	0	24	15	24	30	21	0	0	0	0	114
1936	0	0	0	4	26	31	30	8	0	0	0	0	99
1937	0	0	0	10	28	31	30	25	0	0	0	0	124
1938	0	0	20	14	28	31	30	31	9	0	0	0	163
1939	0	0	0	0	0	18	0	0	0	0	0	0	18
1940	0	0	0	21	29	31	30	16	0	0	0	0	127
1941	0	0	8	31	28	31	30	31	30	7	0	0	196
1942	0	0	16	31	28	31	30	31	13	0	0	0	180
1943	0	0	5	29	28	31	30	26	0	0	0	0	149
1944	0	0	0	0	24	31	30	10	0	0	0	0	95
1945	0	0	0	0	27	31	30	3	0	0	0	0	91
1946	0	0	10	31	28	9	24	0	0	0	0	0	102
1947	0	0	0	0	6	2	0	0	0	0	0	0	8
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	1	0	0	0	0	0	29
1950	0	0	0	0	13	0	0	0	0	0	0	0	13
1951	0	5	15	12	9	10	0	0	0	0	0	0	51
1952	0	0	2	31	29	31	30	11	0	0	0	0	134
1953	0	0	8	31	18	7	0	2	0	0	0	0	66
1954	0	0	0	0	12	12	18	0	0	0	0	0	42
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	4	0	0	0	0	0	104
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	0	26	31	30	204
1959	8	0	0	10	18	29	0	6	0	0	0	1	72
1960	0	0	0	0	26	8	0	0	0	0	0	0	34
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	19	0	0	0	0	109
1964	0	9	0	10	18	0	0	0	0	0	0	0	37
1965	0	0	2	31	17	0	17	0	0	0	0	0	67
1966	0	14	4	25	24	0	0	0	0	0	0	0	67
1967	0	0	25	31	28	31	30	31	30	29	31	27	293
1968	0	16	10	0	0	2	0	0	0	0	0	0	28
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	14	22	25	31	3	0	0	0	0	0	156
1971	0	1	17	31	9	7	0	0	0	0	0	0	65
1972	0	0	5	0	0	0	2	0	0	0	0	0	7
1973	0	7	0	15	28	31	30	10	0	0	0	0	121
1974	15	8	23	28	28	31	30	9	0	0	0	14	186
1975	31	18	28	23	27	31	30	7	0	0	0	16	211
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	12	31	28	31	30	20	0	0	0	21	173
1979	0	0	0	9	17	31	19	0	0	0	0	0	76
1980	0	0	5	26	29	31	30	10	0	0	0	10	141
1981	0	0	0	4	28	26	14	0	0	0	0	0	72
1982	0	4	0	27	28	31	30	31	18	0	3	30	202
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	15	15	31	31	29	22	0	0	0	0	0	0	143
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	5	2	3	0	18	31	30	10	0	0	0	0	99
1987	0	0	10	13	13	9	0	0	0	0	0	0	45
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	0	0	0	0	0	0	0	10
1993	0	0	0	23	28	31	23	0	0	0	0	0	105
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	28	0	0	0	0	143
1996	3	23	2	1	29	31	21	0	0	0	0	0	110
1997	0	6	21	31	28	12	0	0	0	0	0	0	98
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	25	24	0	4	0	0	0	162
2000	0	4	9	10	21	31	16	0	0	0	0	0	91
2001	0	0	0	9	16	31	18	0	0	0	0	0	74
2002	0	0	15	13	0	0	0	0	0	0	0	0	28
2003	0	0	14	21	0	5	0	15	0	0	0	0	55
2004	0	0	8	5	9	14	0	0	0	0	7	0	43
2005	0	0	0	31	28	31	30	28	0	1	0	0	149
2006	0	4	3	31	19	31	30	31	16	0	0	0	165
2007	0	3	2	17	0	0	0	0	0	0	0	0	22
2008	0	0	0	12	29	31	5	0	0	0	0	0	77
2009	0	0	0	0	3	11	0	0	0	0	0	0	14
2010	0	0	6	12	28	31	30	15	0	0	0	0	122
2011	0	0	10	31	28	31	30	31	27	15	12	0	215
2012	0	0	0	2	0	0	24	1	0	0	0	0	27
2013	0	0	11	8	0	0	0	0	0	0	0	0	19
Average	2	3	6	13	17	18	14	8	3	2	2	3	89
Median	0	0	0	10	19	25	5	0	0	0	0	0	74
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7325

Groundwater Recharge Project

Estimated No. Days with Flow of 60 cfs or Higher, Salinas River below SRDF, Diverting Ag Wash Water and Stormwater

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	26	0	0	0	0	0	0	48
1935	0	0	0	24	17	24	30	22	0	0	0	0	117
1936	0	0	0	4	26	31	30	10	0	0	0	0	101
1937	0	0	0	11	28	31	30	27	0	0	0	0	127
1938	0	0	20	16	28	31	30	31	11	0	0	0	167
1939	0	0	0	0	0	20	0	0	0	0	0	0	20
1940	0	0	0	21	29	31	30	18	0	0	0	0	129
1941	0	0	8	31	28	31	30	31	30	10	0	0	199
1942	0	0	16	31	28	31	30	31	15	0	0	0	182
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	11	0	0	0	0	96
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	1	0	0	7	2	0	0	0	0	0	0	10
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	10	11	0	0	0	0	0	0	56
1952	0	0	2	31	29	31	30	13	0	0	0	0	136
1953	0	0	8	31	19	8	0	3	0	0	0	0	69
1954	0	0	0	0	13	12	19	0	0	0	0	0	44
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	6	1	0	0	0	0	107
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	2	26	31	30	206
1959	28	1	0	14	19	31	2	7	0	0	0	2	104
1960	0	0	0	0	26	10	0	0	0	0	0	0	36
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	4	10	19	0	0	0	0	0	0	0	43
1965	0	0	3	31	19	0	18	0	0	0	0	0	71
1966	0	14	5	30	27	0	0	0	0	0	0	0	76
1967	0	0	25	31	28	31	30	31	30	31	31	28	296
1968	1	18	13	0	0	4	0	0	0	0	0	0	36
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	18	22	28	31	5	0	0	0	0	0	165
1971	2	1	17	31	12	7	0	0	0	0	0	0	70
1972	0	0	5	0	0	0	3	0	0	0	0	0	8
1973	2	10	0	15	28	31	30	11	0	0	0	0	127
1974	23	12	26	29	28	31	30	10	0	0	0	21	210
1975	31	21	28	29	28	31	30	8	0	0	0	18	224
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	12	31	28	31	30	20	0	0	0	25	177
1979	0	0	0	11	19	31	20	0	0	0	0	0	81
1980	0	0	6	27	29	31	30	13	0	0	5	11	152
1981	0	0	0	4	28	27	16	0	0	0	0	0	75
1982	0	6	0	27	28	31	30	31	20	0	7	30	210
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	18	18	31	31	29	24	0	0	0	0	0	0	151
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	5	0	19	31	30	13	0	0	0	0	107
1987	0	2	16	18	14	10	0	0	0	0	0	0	60
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	29	0	0	0	0	144
1996	10	26	4	3	29	31	22	0	0	0	0	0	125
1997	0	8	21	31	28	12	0	0	0	0	0	0	100
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	29	25	0	8	0	0	0	171
2000	0	4	10	11	21	31	19	5	0	0	0	3	104
2001	0	0	0	9	16	31	21	0	0	0	0	0	77
2002	0	0	18	14	0	0	0	0	0	0	0	0	32
2003	0	0	14	22	0	6	0	18	0	0	0	0	60
2004	0	0	10	5	10	15	0	0	0	0	13	0	53
2005	0	0	0	31	28	31	30	29	1	3	0	0	153
2006	0	10	5	31	23	31	30	31	17	0	0	0	178
2007	0	3	2	21	0	0	0	0	0	0	0	0	26
2008	0	0	0	12	29	31	6	0	0	0	0	0	78
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	8	13	28	31	30	17	3	0	0	0	131
2011	0	0	10	31	28	31	30	31	30	28	14	0	233
2012	0	0	0	3	0	0	30	8	0	0	0	0	41
2013	0	0	11	10	0	0	0	0	0	0	0	0	21
Average	2	3	6	14	17	18	14	8	3	2	2	3	94
Median	0	0	0	12	19	27	6	0	0	0	0	0	78
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7701

Groundwater Recharge Project

Estimated No. Days with Flow of 66 cfs or Higher, Salinas River below SRDF, Diverting Ag Wash Water and Stormwater

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	19	24	30	23	0	0	0	0	120
1936	0	0	0	4	26	31	30	10	0	0	0	0	101
1937	0	0	0	13	28	31	30	28	0	0	0	0	130
1938	0	0	20	16	28	31	30	31	12	0	0	0	168
1939	0	0	0	0	0	20	0	0	0	0	0	0	20
1940	0	0	0	21	29	31	30	19	0	0	0	0	130
1941	0	0	8	31	28	31	30	31	30	11	0	0	200
1942	0	0	16	31	28	31	30	31	16	0	0	0	183
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	12	0	0	0	0	97
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	1	0	0	7	2	0	0	0	0	0	0	10
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	10	11	0	0	0	0	0	0	56
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	20	9	0	3	0	0	0	0	71
1954	0	0	0	0	13	12	20	0	0	0	0	0	45
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	6	2	0	0	0	0	108
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	4	26	31	30	208
1959	28	2	0	18	19	31	2	8	0	0	0	2	110
1960	0	0	0	0	26	12	0	0	0	0	0	0	38
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	30	0	0	0	0	0	0	49
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	8	10	19	0	0	0	0	0	0	0	47
1965	0	0	3	31	20	0	18	0	0	0	0	0	72
1966	0	14	5	31	28	0	0	0	0	0	0	0	78
1967	0	0	25	31	28	31	30	31	30	31	31	29	297
1968	1	20	14	0	0	4	0	0	0	0	0	0	39
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	20	22	28	31	6	0	0	0	0	0	168
1971	4	1	17	31	15	8	0	0	0	0	0	0	76
1972	0	0	5	1	0	0	4	0	0	0	0	0	10
1973	2	10	0	15	28	31	30	12	0	0	0	0	128
1974	23	17	27	29	28	31	30	11	0	0	0	21	217
1975	31	22	28	31	28	31	30	8	0	0	0	20	229
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	12	31	28	31	30	21	0	0	0	26	179
1979	0	1	2	12	20	31	21	0	0	0	0	0	87
1980	0	0	6	27	29	31	30	14	0	0	5	12	154
1981	0	0	0	4	28	28	16	0	0	0	0	0	76
1982	0	6	0	27	28	31	30	31	23	0	7	30	213
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	20	18	31	31	29	24	0	0	0	0	0	0	153
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	5	0	19	31	30	13	0	0	0	0	107
1987	0	3	18	20	15	11	0	0	0	0	0	0	67
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	13	28	4	3	29	31	23	0	0	0	0	0	131
1997	1	8	21	31	28	12	0	0	0	0	0	0	101
1998	0	0	0	21	28	31	30	31	30	31	7	1	210
1999	0	19	31	31	28	31	25	0	9	0	0	0	174
2000	0	4	10	12	22	31	21	6	0	0	0	4	110
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	21	15	0	0	0	0	0	0	0	0	36
2003	0	0	14	22	0	7	0	18	0	0	0	0	61
2004	0	0	10	5	11	15	0	0	0	0	15	0	56
2005	0	0	0	31	28	31	30	30	2	5	0	0	157
2006	0	10	6	31	24	31	30	31	17	0	0	0	180
2007	0	4	3	22	0	0	0	0	0	0	0	0	29
2008	0	0	0	13	29	31	7	0	0	0	0	0	80
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	9	13	28	31	30	18	7	0	0	0	137
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	0	0	0	3	0	0	30	10	0	0	0	0	43
2013	1	0	12	11	0	0	0	0	0	0	0	0	24
Average	3	3	6	14	17	19	14	9	3	2	2	3	96
Median	0	0	0	13	20	28	7	0	0	0	0	0	80
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7841

Groundwater Recharge Project

Estimated No. Days with Flow of 50 cfs or Higher, Salinas River below SRDF, Diverting Ag Wash Water and Stormwater

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	16	7	27	0	0	0	0	0	0	50
1935	0	0	0	24	20	24	30	24	0	0	0	0	122
1936	0	0	0	4	26	31	30	11	0	0	0	0	102
1937	0	0	0	13	28	31	30	29	0	0	0	0	131
1938	0	0	20	17	28	31	30	31	14	0	0	0	171
1939	0	0	0	0	0	20	5	0	0	0	0	0	25
1940	0	0	0	21	29	31	30	21	0	0	0	0	132
1941	0	0	8	31	28	31	30	31	30	13	0	0	202
1942	0	0	16	31	28	31	30	31	17	0	0	0	184
1943	0	0	5	31	28	31	30	30	1	0	0	0	156
1944	0	0	0	0	24	31	30	13	0	0	0	0	98
1945	0	0	0	0	27	31	30	6	0	0	0	0	94
1946	0	0	10	31	28	13	26	0	0	0	0	0	108
1947	0	1	0	0	9	4	0	0	0	0	0	0	14
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	11	11	0	0	0	0	0	0	57
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	9	31	21	10	0	4	0	0	0	0	75
1954	0	0	0	0	13	12	20	0	0	0	0	0	45
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	8	2	0	0	0	0	110
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	4	26	31	30	208
1959	30	2	0	25	28	31	3	9	0	0	0	2	130
1960	0	0	0	0	27	14	0	0	0	0	0	0	41
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	30	0	0	0	0	0	0	49
1963	0	0	0	1	28	31	30	21	0	0	0	0	111
1964	0	12	27	11	20	0	0	0	0	0	0	0	70
1965	0	0	3	31	21	0	19	0	0	0	0	0	74
1966	0	15	5	31	28	2	0	0	0	0	0	0	81
1967	0	0	26	31	28	31	30	31	30	31	31	29	298
1968	1	20	15	0	0	4	0	0	0	0	0	0	40
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	23	24	28	31	6	0	0	0	0	0	173
1971	5	1	18	31	18	9	0	0	0	0	0	0	82
1972	0	0	5	1	0	0	5	0	0	0	0	0	11
1973	4	10	0	15	28	31	30	14	0	0	0	0	132
1974	24	22	30	29	28	31	30	13	0	0	0	27	234
1975	31	25	28	31	28	31	30	9	0	0	0	21	234
1976	11	0	5	0	0	0	0	0	0	0	0	0	16
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	13	31	28	31	30	22	0	0	0	26	181
1979	0	2	6	12	21	31	21	0	0	0	0	0	93
1980	0	0	6	27	29	31	30	15	0	0	6	12	156
1981	0	0	0	4	28	28	17	0	0	0	0	0	77
1982	0	7	0	27	28	31	30	31	24	0	7	30	215
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	20	18	31	31	29	25	0	0	0	0	0	0	154
1985	4	1	0	0	3	0	0	0	0	0	0	0	8
1986	6	3	5	0	19	31	30	14	0	0	0	0	108
1987	0	4	20	28	16	12	0	0	0	0	0	0	80
1988	0	0	0	3	0	0	0	0	0	0	0	0	3
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	2	0	0	0	0	0	0	12
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	10	0	0	0	0	0	0	0	10
1995	0	0	0	26	28	31	30	31	0	0	0	0	146
1996	15	28	5	3	29	31	23	0	0	0	0	0	134
1997	1	8	21	31	28	13	0	0	0	0	0	0	102
1998	0	0	0	22	28	31	30	31	30	31	7	2	212
1999	0	19	31	31	28	31	25	0	9	0	0	0	174
2000	0	4	10	13	23	31	23	9	0	0	0	6	119
2001	0	0	0	11	16	31	21	3	0	0	0	0	82
2002	0	0	22	16	0	0	0	0	0	0	0	0	38
2003	0	0	14	23	0	8	0	19	0	0	0	0	64
2004	0	0	11	5	12	16	0	1	0	3	15	0	63
2005	0	0	0	31	28	31	30	31	3	7	0	0	161
2006	0	10	6	31	27	31	30	31	17	0	2	0	185
2007	0	4	3	25	0	0	0	0	0	0	0	0	32
2008	0	0	2	14	29	31	8	0	0	0	0	0	84
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	10	13	28	31	30	18	9	1	0	0	141
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	9	1	0	3	0	1	30	14	0	0	0	2	60
2013	7	0	12	12	0	0	0	0	0	0	0	0	31
Average	3	3	7	15	18	19	14	9	3	3	2	3	99
Median	0	0	0	13	23	28	8	0	0	0	0	0	84
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 8083

Groundwater Recharge Project

Estimated No. Days with Flow of 72 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (2.99 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	13	0	0	0	0	0	111
1933	0	0	0	4	9	0	0	0	0	0	0	0	13
1934	0	0	0	14	7	25	0	0	0	0	0	0	46
1935	0	0	0	24	15	24	30	21	0	0	0	0	114
1936	0	0	0	4	26	31	30	8	0	0	0	0	99
1937	0	0	0	10	28	31	30	25	0	0	0	0	124
1938	0	0	20	14	28	31	30	31	8	0	0	0	162
1939	0	0	0	0	0	18	0	0	0	0	0	0	18
1940	0	0	0	21	29	31	30	15	0	0	0	0	126
1941	0	0	8	31	28	31	30	31	30	7	0	0	196
1942	0	0	16	31	28	31	30	31	12	0	0	0	179
1943	0	0	5	28	28	31	30	24	0	0	0	0	146
1944	0	0	0	0	24	31	30	10	0	0	0	0	95
1945	0	0	0	0	27	31	30	2	0	0	0	0	90
1946	0	0	10	31	28	9	24	0	0	0	0	0	102
1947	0	0	0	0	6	2	0	0	0	0	0	0	8
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	1	0	0	0	0	0	29
1950	0	0	0	0	13	0	0	0	0	0	0	0	13
1951	0	5	15	12	8	10	0	0	0	0	0	0	50
1952	0	0	2	31	29	31	30	10	0	0	0	0	133
1953	0	0	8	31	17	7	0	2	0	0	0	0	65
1954	0	0	0	0	12	12	18	0	0	0	0	0	42
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	3	0	0	0	0	0	103
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	24	31	30	30	0	26	31	30	202
1959	7	0	0	9	18	29	0	6	0	0	0	1	70
1960	0	0	0	0	26	8	0	0	0	0	0	0	34
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	28	0	0	0	0	0	0	47
1963	0	0	0	1	28	31	30	18	0	0	0	0	108
1964	0	8	0	10	17	0	0	0	0	0	0	0	35
1965	0	0	2	31	16	0	16	0	0	0	0	0	65
1966	0	14	3	24	24	0	0	0	0	0	0	0	65
1967	0	0	25	31	28	31	30	31	30	29	31	27	293
1968	0	16	10	0	0	2	0	0	0	0	0	0	28
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	12	22	25	31	3	0	0	0	0	0	154
1971	0	1	17	31	8	6	0	0	0	0	0	0	63
1972	0	0	5	0	0	0	0	0	0	0	0	0	5
1973	0	6	0	15	28	31	30	10	0	0	0	0	120
1974	14	8	22	28	28	31	30	8	0	0	0	14	183
1975	31	17	28	21	27	31	30	6	0	0	0	16	207
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	12	31	28	31	30	20	0	0	0	20	172
1979	0	0	0	8	16	31	19	0	0	0	0	0	74
1980	0	0	4	26	29	31	30	8	0	0	0	9	137
1981	0	0	0	4	28	26	14	0	0	0	0	0	72
1982	0	4	0	27	28	31	30	31	17	0	2	30	200
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	14	13	31	31	29	22	0	0	0	0	0	0	140
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	5	2	3	0	17	31	30	10	0	0	0	0	98
1987	0	0	9	11	13	9	0	0	0	0	0	0	42
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	9	0	0	0	0	0	0	0	9
1993	0	0	0	23	28	31	23	0	0	0	0	0	105
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	27	0	0	0	0	142
1996	1	22	2	1	29	31	21	0	0	0	0	0	107
1997	0	6	21	31	28	12	0	0	0	0	0	0	98
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	24	24	0	4	0	0	0	161
2000	0	4	9	10	21	31	14	0	0	0	0	0	89
2001	0	0	0	8	16	31	17	0	0	0	0	0	72
2002	0	0	15	13	0	0	0	0	0	0	0	0	28
2003	0	0	14	21	0	5	0	14	0	0	0	0	54
2004	0	0	7	5	8	14	0	0	0	0	6	0	40
2005	0	0	0	31	28	31	30	27	0	1	0	0	148
2006	0	2	2	31	18	31	30	31	15	0	0	0	160
2007	0	3	2	17	0	0	0	0	0	0	0	0	22
2008	0	0	0	11	29	31	4	0	0	0	0	0	75
2009	0	0	0	0	3	11	0	0	0	0	0	0	14
2010	0	0	6	12	28	31	30	15	0	0	0	0	122
2011	0	0	10	31	28	31	30	31	24	11	11	0	207
2012	0	0	0	2	0	0	24	1	0	0	0	0	27
2013	0	0	11	8	0	0	0	0	0	0	0	0	19
Average	2	3	5	13	17	18	14	8	3	2	2	3	86
Median	0	0	0	10	18	25	4	0	0	0	0	0	72
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7242

Groundwater Recharge Project

Estimated No. Days with Flow of 60 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (2.99 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	9	0	0	0	0	0	0	0	13
1934	0	0	0	15	7	26	0	0	0	0	0	0	48
1935	0	0	0	24	17	24	30	22	0	0	0	0	117
1936	0	0	0	4	26	31	30	9	0	0	0	0	100
1937	0	0	0	11	28	31	30	27	0	0	0	0	127
1938	0	0	20	15	28	31	30	31	10	0	0	0	165
1939	0	0	0	0	0	19	0	0	0	0	0	0	19
1940	0	0	0	21	29	31	30	17	0	0	0	0	128
1941	0	0	8	31	28	31	30	31	30	9	0	0	198
1942	0	0	16	31	28	31	30	31	14	0	0	0	181
1943	0	0	5	31	28	31	30	28	0	0	0	0	153
1944	0	0	0	0	24	31	30	11	0	0	0	0	96
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	1	0	0	6	2	0	0	0	0	0	0	9
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	13	0	0	0	0	0	0	0	13
1951	0	6	16	12	10	11	0	0	0	0	0	0	55
1952	0	0	2	31	29	31	30	13	0	0	0	0	136
1953	0	0	8	31	18	8	0	3	0	0	0	0	68
1954	0	0	0	0	12	12	19	0	0	0	0	0	43
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	5	1	0	0	0	0	106
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	2	26	31	30	206
1959	27	1	0	13	19	31	1	7	0	0	0	2	101
1960	0	0	0	0	26	10	0	0	0	0	0	0	36
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	2	10	18	0	0	0	0	0	0	0	40
1965	0	0	3	31	19	0	17	0	0	0	0	0	70
1966	0	14	4	29	26	0	0	0	0	0	0	0	73
1967	0	0	25	31	28	31	30	31	30	31	31	28	296
1968	0	18	13	0	0	4	0	0	0	0	0	0	35
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	16	22	27	31	4	0	0	0	0	0	161
1971	2	1	17	31	12	7	0	0	0	0	0	0	70
1972	0	0	5	0	0	0	3	0	0	0	0	0	8
1973	1	10	0	15	28	31	30	11	0	0	0	0	126
1974	19	9	24	29	28	31	30	9	0	0	0	20	199
1975	31	21	28	29	28	31	30	8	0	0	0	18	224
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	12	31	28	31	30	20	0	0	0	23	175
1979	0	0	0	11	19	31	20	0	0	0	0	0	81
1980	0	0	6	27	29	31	30	13	0	0	2	11	149
1981	0	0	0	4	28	27	15	0	0	0	0	0	74
1982	0	6	0	27	28	31	30	31	20	0	6	30	209
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	16	17	31	31	29	23	0	0	0	0	0	0	147
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	3	0	19	31	30	11	0	0	0	0	103
1987	0	0	16	15	14	10	0	0	0	0	0	0	55
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	29	0	0	0	0	144
1996	8	26	3	3	29	31	22	0	0	0	0	0	122
1997	0	8	21	31	28	12	0	0	0	0	0	0	100
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	29	25	0	7	0	0	0	170
2000	0	4	10	11	21	31	18	5	0	0	0	1	101
2001	0	0	0	9	16	31	21	0	0	0	0	0	77
2002	0	0	17	14	0	0	0	0	0	0	0	0	31
2003	0	0	14	22	0	6	0	16	0	0	0	0	58
2004	0	0	9	5	9	15	0	0	0	0	13	0	51
2005	0	0	0	31	28	31	30	29	0	3	0	0	152
2006	0	10	4	31	21	31	30	31	16	0	0	0	174
2007	0	3	2	20	0	0	0	0	0	0	0	0	25
2008	0	0	0	12	29	31	6	0	0	0	0	0	78
2009	0	0	0	0	3	11	0	0	0	0	0	0	14
2010	1	0	7	12	28	31	30	16	1	0	0	0	126
2011	0	0	10	31	28	31	30	31	30	25	14	0	230
2012	0	0	0	2	0	0	28	4	0	0	0	0	34
2013	0	0	11	10	0	0	0	0	0	0	0	0	21
Average	2	3	6	14	17	18	14	8	3	2	2	3	93
Median	0	0	0	12	19	27	6	0	0	0	0	0	78
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7604

Groundwater Recharge Project

Estimated No. Days with Flow of 56 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (2.99 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	17	24	30	23	0	0	0	0	118
1936	0	0	0	4	26	31	30	10	0	0	0	0	101
1937	0	0	0	11	28	31	30	28	0	0	0	0	128
1938	0	0	20	16	28	31	30	31	11	0	0	0	167
1939	0	0	0	0	0	20	0	0	0	0	0	0	20
1940	0	0	0	21	29	31	30	18	0	0	0	0	129
1941	0	0	8	31	28	31	30	31	30	10	0	0	199
1942	0	0	16	31	28	31	30	31	15	0	0	0	182
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	11	0	0	0	0	96
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	1	0	0	7	2	0	0	0	0	0	0	10
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	10	11	0	0	0	0	0	0	56
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	19	9	0	3	0	0	0	0	70
1954	0	0	0	0	13	12	19	0	0	0	0	0	44
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	6	1	0	0	0	0	107
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	2	26	31	30	206
1959	28	2	0	14	19	31	2	7	0	0	0	2	105
1960	0	0	0	0	26	11	0	0	0	0	0	0	37
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	5	10	19	0	0	0	0	0	0	0	44
1965	0	0	3	31	19	0	18	0	0	0	0	0	71
1966	0	14	5	31	27	0	0	0	0	0	0	0	77
1967	0	0	25	31	28	31	30	31	30	31	31	28	296
1968	1	18	14	0	0	4	0	0	0	0	0	0	37
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	20	22	28	31	5	0	0	0	0	0	167
1971	3	1	17	31	12	7	0	0	0	0	0	0	71
1972	0	0	5	0	0	0	4	0	0	0	0	0	9
1973	2	10	0	15	28	31	30	12	0	0	0	0	128
1974	23	16	27	29	28	31	30	10	0	0	0	21	215
1975	31	22	28	30	28	31	30	8	0	0	0	19	227
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	12	31	28	31	30	20	0	0	0	26	178
1979	0	0	0	11	19	31	20	0	0	0	0	0	81
1980	0	0	6	27	29	31	30	14	0	0	5	12	154
1981	0	0	0	4	28	27	16	0	0	0	0	0	75
1982	0	6	0	27	28	31	30	31	20	0	7	30	210
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	19	18	31	31	29	24	0	0	0	0	0	0	152
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	5	0	19	31	30	13	0	0	0	0	107
1987	0	2	17	19	15	11	0	0	0	0	0	0	64
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	13	28	4	3	29	31	22	0	0	0	0	0	130
1997	0	8	21	31	28	12	0	0	0	0	0	0	100
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	30	25	0	9	0	0	0	173
2000	0	4	10	11	22	31	20	5	0	0	0	3	106
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	18	14	0	0	0	0	0	0	0	0	32
2003	0	0	14	22	0	6	0	18	0	0	0	0	60
2004	0	0	10	5	10	15	0	0	0	0	15	0	55
2005	0	0	0	31	28	31	30	30	1	3	0	0	154
2006	0	10	5	31	23	31	30	31	17	0	0	0	178
2007	0	4	3	21	0	0	0	0	0	0	0	0	28
2008	0	0	0	13	29	31	6	0	0	0	0	0	79
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	8	13	28	31	30	18	5	0	0	0	134
2011	0	0	10	31	28	31	30	31	30	30	14	0	235
2012	0	0	0	3	0	0	30	9	0	0	0	0	42
2013	0	0	11	10	0	0	0	0	0	0	0	0	21
Average	2	3	6	14	17	19	14	9	3	2	2	3	95
Median	0	0	0	12	19	27	6	0	0	0	0	0	79
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7755

Groundwater Recharge Project

Estimated No. Days with Flow of 50 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (2.99 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	19	24	30	24	0	0	0	0	121
1936	0	0	0	4	26	31	30	11	0	0	0	0	102
1937	0	0	0	13	28	31	30	28	0	0	0	0	130
1938	0	0	20	17	28	31	30	31	13	0	0	0	170
1939	0	0	0	0	0	20	5	0	0	0	0	0	25
1940	0	0	0	21	29	31	30	20	0	0	0	0	131
1941	0	0	8	31	28	31	30	31	30	12	0	0	201
1942	0	0	16	31	28	31	30	31	17	0	0	0	184
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	12	0	0	0	0	97
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	13	25	0	0	0	0	0	107
1947	0	1	0	0	8	4	0	0	0	0	0	0	13
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	11	11	0	0	0	0	0	0	57
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	20	10	0	3	0	0	0	0	72
1954	0	0	0	0	13	12	20	0	0	0	0	0	45
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	7	2	0	0	0	0	109
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	4	26	31	30	208
1959	30	2	0	25	28	31	3	8	0	0	0	2	129
1960	0	0	0	0	26	14	0	0	0	0	0	0	40
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	30	0	0	0	0	0	0	49
1963	0	0	0	1	28	31	30	21	0	0	0	0	111
1964	0	10	14	11	19	0	0	0	0	0	0	0	54
1965	0	0	3	31	20	0	18	0	0	0	0	0	72
1966	0	15	5	31	28	1	0	0	0	0	0	0	80
1967	0	0	25	31	28	31	30	31	30	31	31	29	297
1968	1	20	14	0	0	4	0	0	0	0	0	0	39
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	21	23	28	31	6	0	0	0	0	0	170
1971	4	1	18	31	15	8	0	0	0	0	0	0	77
1972	0	0	5	1	0	0	5	0	0	0	0	0	11
1973	3	10	0	15	28	31	30	13	0	0	0	0	130
1974	23	20	28	29	28	31	30	12	0	0	0	25	226
1975	31	24	28	31	28	31	30	9	0	0	0	20	232
1976	11	0	0	0	0	0	0	0	0	0	0	0	11
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	13	31	28	31	30	21	0	0	0	26	180
1979	0	1	4	12	20	31	21	0	0	0	0	0	89
1980	0	0	6	27	29	31	30	14	0	0	6	12	155
1981	0	0	0	4	28	28	16	0	0	0	0	0	76
1982	0	7	0	27	28	31	30	31	24	0	7	30	215
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	20	18	31	31	29	25	0	0	0	0	0	0	154
1985	4	1	0	0	3	0	0	0	0	0	0	0	8
1986	6	3	5	0	19	31	30	14	0	0	0	0	108
1987	0	4	19	23	15	12	0	0	0	0	0	0	73
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	2	0	0	0	0	0	0	12
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	10	0	0	0	0	0	0	0	10
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	14	28	4	3	29	31	23	0	0	0	0	0	132
1997	1	8	21	31	28	13	0	0	0	0	0	0	102
1998	0	0	0	22	28	31	30	31	30	31	7	1	211
1999	0	19	31	31	28	31	25	0	9	0	0	0	174
2000	0	4	10	12	22	31	22	8	0	0	0	5	114
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	21	15	0	0	0	0	0	0	0	0	36
2003	0	0	14	23	0	8	0	19	0	0	0	0	64
2004	0	0	11	5	11	16	0	0	0	1	15	0	59
2005	0	0	0	31	28	31	30	31	2	6	0	0	159
2006	0	10	6	31	26	31	30	31	17	0	0	0	182
2007	0	4	3	24	0	0	0	0	0	0	0	0	31
2008	0	0	2	14	29	31	7	0	0	0	0	0	83
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	10	13	28	31	30	18	9	1	0	0	141
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	8	1	0	3	0	1	30	13	0	0	0	2	58
2013	3	0	12	11	0	0	0	0	0	0	0	0	26
Average	3	3	6	14	18	19	14	9	3	2	2	3	97
Median	0	0	0	13	22	28	7	0	0	0	0	0	83
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7971

Groundwater Recharge Project

Estimated No. Days with Flow of 72 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (6 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	13	0	0	0	0	0	111
1933	0	0	0	4	9	0	0	0	0	0	0	0	13
1934	0	0	0	14	7	25	0	0	0	0	0	0	46
1935	0	0	0	24	15	24	30	21	0	0	0	0	114
1936	0	0	0	4	26	31	30	8	0	0	0	0	99
1937	0	0	0	10	28	31	30	25	0	0	0	0	124
1938	0	0	20	14	28	31	30	31	8	0	0	0	162
1939	0	0	0	0	0	18	0	0	0	0	0	0	18
1940	0	0	0	21	29	31	30	15	0	0	0	0	126
1941	0	0	8	31	28	31	30	31	30	6	0	0	195
1942	0	0	16	31	28	31	30	31	12	0	0	0	179
1943	0	0	5	28	28	31	30	24	0	0	0	0	146
1944	0	0	0	0	24	31	30	10	0	0	0	0	95
1945	0	0	0	0	27	31	30	2	0	0	0	0	90
1946	0	0	10	31	28	9	24	0	0	0	0	0	102
1947	0	0	0	0	6	2	0	0	0	0	0	0	8
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	1	0	0	0	0	0	29
1950	0	0	0	0	13	0	0	0	0	0	0	0	13
1951	0	5	15	12	8	10	0	0	0	0	0	0	50
1952	0	0	2	31	29	31	30	10	0	0	0	0	133
1953	0	0	8	31	17	7	0	2	0	0	0	0	65
1954	0	0	0	0	12	12	18	0	0	0	0	0	42
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	3	0	0	0	0	0	103
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	24	31	30	30	0	26	31	30	202
1959	7	0	0	9	18	29	0	6	0	0	0	1	70
1960	0	0	0	0	26	8	0	0	0	0	0	0	34
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	28	0	0	0	0	0	0	47
1963	0	0	0	1	28	31	30	18	0	0	0	0	108
1964	0	8	0	10	17	0	0	0	0	0	0	0	35
1965	0	0	2	31	16	0	16	0	0	0	0	0	65
1966	0	14	3	24	24	0	0	0	0	0	0	0	65
1967	0	0	25	31	28	31	30	31	30	29	31	27	293
1968	0	16	10	0	0	2	0	0	0	0	0	0	28
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	12	22	25	31	3	0	0	0	0	0	154
1971	0	1	17	31	8	6	0	0	0	0	0	0	63
1972	0	0	5	0	0	0	0	0	0	0	0	0	5
1973	0	6	0	15	28	31	30	10	0	0	0	0	120
1974	14	8	22	28	28	31	30	8	0	0	0	14	183
1975	31	17	28	21	27	31	30	6	0	0	0	16	207
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	12	31	28	31	30	20	0	0	0	20	172
1979	0	0	0	8	16	31	19	0	0	0	0	0	74
1980	0	0	4	26	29	31	30	8	0	0	0	9	137
1981	0	0	0	4	28	26	14	0	0	0	0	0	72
1982	0	4	0	27	28	31	30	31	17	0	2	30	200
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	14	13	31	31	29	21	0	0	0	0	0	0	139
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	5	2	3	0	17	31	30	10	0	0	0	0	98
1987	0	0	9	11	13	9	0	0	0	0	0	0	42
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	9	0	0	0	0	0	0	0	9
1993	0	0	0	23	28	31	23	0	0	0	0	0	105
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	27	0	0	0	0	142
1996	1	22	2	1	29	31	21	0	0	0	0	0	107
1997	0	6	21	31	28	12	0	0	0	0	0	0	98
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	24	24	0	4	0	0	0	161
2000	0	4	9	10	21	31	14	0	0	0	0	0	89
2001	0	0	0	8	16	31	17	0	0	0	0	0	72
2002	0	0	15	13	0	0	0	0	0	0	0	0	28
2003	0	0	14	21	0	5	0	14	0	0	0	0	54
2004	0	0	7	5	8	14	0	0	0	0	6	0	40
2005	0	0	0	31	28	31	30	27	0	1	0	0	148
2006	0	2	2	31	18	31	30	31	15	0	0	0	160
2007	0	3	2	17	0	0	0	0	0	0	0	0	22
2008	0	0	0	11	29	31	4	0	0	0	0	0	75
2009	0	0	0	0	3	11	0	0	0	0	0	0	14
2010	0	0	6	12	28	31	30	15	0	0	0	0	122
2011	0	0	10	31	28	31	30	31	23	11	11	0	206
2012	0	0	0	2	0	0	24	1	0	0	0	0	27
2013	0	0	11	8	0	0	0	0	0	0	0	0	19
Average	2	3	5	13	17	18	14	8	3	2	2	3	86
Median	0	0	0	10	18	25	4	0	0	0	0	0	72
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7239

Groundwater Recharge Project

Estimated No. Days with Flow of 60 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (6 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	9	0	0	0	0	0	0	0	13
1934	0	0	0	15	7	26	0	0	0	0	0	0	48
1935	0	0	0	24	17	24	30	22	0	0	0	0	117
1936	0	0	0	4	26	31	30	9	0	0	0	0	100
1937	0	0	0	11	28	31	30	27	0	0	0	0	127
1938	0	0	20	15	28	31	30	31	10	0	0	0	165
1939	0	0	0	0	0	19	0	0	0	0	0	0	19
1940	0	0	0	21	29	31	30	17	0	0	0	0	128
1941	0	0	8	31	28	31	30	31	30	9	0	0	198
1942	0	0	16	31	28	31	30	31	14	0	0	0	181
1943	0	0	5	31	28	31	30	28	0	0	0	0	153
1944	0	0	0	0	24	31	30	11	0	0	0	0	96
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	1	0	0	6	2	0	0	0	0	0	0	9
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	13	0	0	0	0	0	0	0	13
1951	0	6	16	12	9	11	0	0	0	0	0	0	54
1952	0	0	2	31	29	31	30	13	0	0	0	0	136
1953	0	0	8	31	18	8	0	3	0	0	0	0	68
1954	0	0	0	0	12	12	19	0	0	0	0	0	43
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	5	1	0	0	0	0	106
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	2	26	31	30	206
1959	27	1	0	13	19	31	1	7	0	0	0	2	101
1960	0	0	0	0	26	10	0	0	0	0	0	0	36
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	2	10	18	0	0	0	0	0	0	0	40
1965	0	0	3	31	19	0	17	0	0	0	0	0	70
1966	0	14	4	29	26	0	0	0	0	0	0	0	73
1967	0	0	25	31	28	31	30	31	30	31	31	28	296
1968	0	18	13	0	0	3	0	0	0	0	0	0	34
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	16	22	27	31	4	0	0	0	0	0	161
1971	2	1	17	31	11	7	0	0	0	0	0	0	69
1972	0	0	5	0	0	0	3	0	0	0	0	0	8
1973	1	10	0	15	28	31	30	11	0	0	0	0	126
1974	19	9	24	29	28	31	30	9	0	0	0	20	199
1975	31	21	28	29	28	31	30	8	0	0	0	18	224
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	12	31	28	31	30	20	0	0	0	23	175
1979	0	0	0	11	18	31	20	0	0	0	0	0	80
1980	0	0	6	27	29	31	30	13	0	0	2	11	149
1981	0	0	0	4	28	27	15	0	0	0	0	0	74
1982	0	6	0	27	28	31	30	31	20	0	6	30	209
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	16	17	31	31	29	23	0	0	0	0	0	0	147
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	3	0	19	31	30	11	0	0	0	0	103
1987	0	0	16	15	14	10	0	0	0	0	0	0	55
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	29	0	0	0	0	144
1996	8	26	3	3	29	31	22	0	0	0	0	0	122
1997	0	8	21	31	28	12	0	0	0	0	0	0	100
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	29	25	0	7	0	0	0	170
2000	0	4	10	11	21	31	17	5	0	0	0	1	100
2001	0	0	0	9	16	31	21	0	0	0	0	0	77
2002	0	0	17	14	0	0	0	0	0	0	0	0	31
2003	0	0	14	22	0	6	0	16	0	0	0	0	58
2004	0	0	9	5	9	15	0	0	0	0	13	0	51
2005	0	0	0	31	28	31	30	29	0	3	0	0	152
2006	0	10	4	31	21	31	30	31	16	0	0	0	174
2007	0	3	2	20	0	0	0	0	0	0	0	0	25
2008	0	0	0	12	29	31	6	0	0	0	0	0	78
2009	0	0	0	0	3	11	0	0	0	0	0	0	14
2010	1	0	7	12	28	31	30	16	1	0	0	0	126
2011	0	0	10	31	28	31	30	31	30	23	13	0	227
2012	0	0	0	2	0	0	28	4	0	0	0	0	34
2013	0	0	11	10	0	0	0	0	0	0	0	0	21
Average	2	3	6	14	17	18	14	8	3	2	2	3	93
Median	0	0	0	12	19	27	6	0	0	0	0	0	78
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7596

Groundwater Recharge Project

Estimated No. Days with Flow of 56 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (6 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	17	24	30	23	0	0	0	0	118
1936	0	0	0	4	26	31	30	10	0	0	0	0	101
1937	0	0	0	11	28	31	30	28	0	0	0	0	128
1938	0	0	20	16	28	31	30	31	11	0	0	0	167
1939	0	0	0	0	0	20	0	0	0	0	0	0	20
1940	0	0	0	21	29	31	30	18	0	0	0	0	129
1941	0	0	8	31	28	31	30	31	30	10	0	0	199
1942	0	0	16	31	28	31	30	31	15	0	0	0	182
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	11	0	0	0	0	96
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	12	25	0	0	0	0	0	106
1947	0	1	0	0	7	2	0	0	0	0	0	0	10
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	10	11	0	0	0	0	0	0	56
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	19	8	0	3	0	0	0	0	69
1954	0	0	0	0	13	12	19	0	0	0	0	0	44
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	6	1	0	0	0	0	107
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	2	26	31	30	206
1959	28	2	0	14	19	31	2	7	0	0	0	2	105
1960	0	0	0	0	26	11	0	0	0	0	0	0	37
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	29	0	0	0	0	0	0	48
1963	0	0	0	1	28	31	30	20	0	0	0	0	110
1964	0	10	5	10	19	0	0	0	0	0	0	0	44
1965	0	0	3	31	19	0	18	0	0	0	0	0	71
1966	0	14	5	31	27	0	0	0	0	0	0	0	77
1967	0	0	25	31	28	31	30	31	30	31	31	28	296
1968	1	18	14	0	0	4	0	0	0	0	0	0	37
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	20	22	28	31	5	0	0	0	0	0	167
1971	3	1	17	31	12	7	0	0	0	0	0	0	71
1972	0	0	5	0	0	0	3	0	0	0	0	0	8
1973	2	10	0	15	28	31	30	12	0	0	0	0	128
1974	23	16	27	29	28	31	30	10	0	0	0	21	215
1975	31	22	28	30	28	31	30	8	0	0	0	19	227
1976	10	0	0	0	0	0	0	0	0	0	0	0	10
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	12	31	28	31	30	20	0	0	0	26	178
1979	0	0	0	11	19	31	20	0	0	0	0	0	81
1980	0	0	6	27	29	31	30	14	0	0	5	12	154
1981	0	0	0	4	28	27	16	0	0	0	0	0	75
1982	0	6	0	27	28	31	30	31	20	0	7	30	210
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	19	18	31	31	29	24	0	0	0	0	0	0	152
1985	3	1	0	0	2	0	0	0	0	0	0	0	6
1986	6	3	5	0	19	31	30	13	0	0	0	0	107
1987	0	2	17	19	14	11	0	0	0	0	0	0	63
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	1	0	0	0	0	0	0	11
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	9	0	0	0	0	0	0	0	9
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	13	28	4	3	29	31	22	0	0	0	0	0	130
1997	0	8	21	31	28	12	0	0	0	0	0	0	100
1998	0	0	0	21	28	31	30	31	30	31	6	0	208
1999	0	19	31	31	28	30	25	0	8	0	0	0	172
2000	0	4	10	11	21	31	19	5	0	0	0	3	104
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	18	14	0	0	0	0	0	0	0	0	32
2003	0	0	14	22	0	6	0	18	0	0	0	0	60
2004	0	0	10	5	10	15	0	0	0	0	15	0	55
2005	0	0	0	31	28	31	30	30	1	3	0	0	154
2006	0	10	5	31	23	31	30	31	17	0	0	0	178
2007	0	4	3	21	0	0	0	0	0	0	0	0	28
2008	0	0	0	13	29	31	6	0	0	0	0	0	79
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	8	13	28	31	30	18	3	0	0	0	132
2011	0	0	10	31	28	31	30	31	30	28	14	0	233
2012	0	0	0	3	0	0	30	7	0	0	0	0	40
2013	0	0	11	10	0	0	0	0	0	0	0	0	21
Average	2	3	6	14	17	19	14	8	3	2	2	3	94
Median	0	0	0	12	19	27	6	0	0	0	0	0	79
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7743

Groundwater Recharge Project

Estimated No. Days with Flow of 50 cfs or Higher, Salinas River below SRDF, Diverting at SIWTF, TP1 and Blanco Drain (6 cfs)

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1932	0	0	7	31	29	31	15	0	0	0	0	0	113
1933	0	0	0	4	10	0	0	0	0	0	0	0	14
1934	0	0	0	15	7	27	0	0	0	0	0	0	49
1935	0	0	0	24	19	24	30	24	0	0	0	0	121
1936	0	0	0	4	26	31	30	11	0	0	0	0	102
1937	0	0	0	13	28	31	30	28	0	0	0	0	130
1938	0	0	20	17	28	31	30	31	13	0	0	0	170
1939	0	0	0	0	0	20	5	0	0	0	0	0	25
1940	0	0	0	21	29	31	30	20	0	0	0	0	131
1941	0	0	8	31	28	31	30	31	30	12	0	0	201
1942	0	0	16	31	28	31	30	31	16	0	0	0	183
1943	0	0	5	31	28	31	30	29	0	0	0	0	154
1944	0	0	0	0	24	31	30	12	0	0	0	0	97
1945	0	0	0	0	27	31	30	5	0	0	0	0	93
1946	0	0	10	31	28	13	25	0	0	0	0	0	107
1947	0	1	0	0	8	3	0	0	0	0	0	0	12
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	28	2	0	0	0	0	0	30
1950	0	0	0	0	14	0	0	0	0	0	0	0	14
1951	0	7	16	12	11	11	0	0	0	0	0	0	57
1952	0	0	2	31	29	31	30	14	0	0	0	0	137
1953	0	0	8	31	20	10	0	3	0	0	0	0	72
1954	0	0	0	0	13	12	20	0	0	0	0	0	45
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	9	31	29	31	7	2	0	0	0	0	109
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	25	31	30	31	4	26	31	30	208
1959	30	2	0	25	28	31	3	8	0	0	0	2	129
1960	0	0	0	0	26	14	0	0	0	0	0	0	40
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	19	30	0	0	0	0	0	0	49
1963	0	0	0	1	28	31	30	21	0	0	0	0	111
1964	0	10	14	11	19	0	0	0	0	0	0	0	54
1965	0	0	3	31	20	0	18	0	0	0	0	0	72
1966	0	15	5	31	28	0	0	0	0	0	0	0	79
1967	0	0	25	31	28	31	30	31	30	31	31	29	297
1968	1	20	14	0	0	4	0	0	0	0	0	0	39
1969	0	0	0	14	28	31	30	31	30	31	31	30	256
1970	31	30	21	23	28	31	6	0	0	0	0	0	170
1971	4	1	18	31	15	8	0	0	0	0	0	0	77
1972	0	0	5	1	0	0	5	0	0	0	0	0	11
1973	3	10	0	15	28	31	30	13	0	0	0	0	130
1974	23	20	28	29	28	31	30	12	0	0	0	25	226
1975	31	24	28	31	28	31	30	9	0	0	0	20	232
1976	11	0	0	0	0	0	0	0	0	0	0	0	11
1977	1	0	0	0	0	0	0	0	0	0	0	0	1
1978	0	0	13	31	28	31	30	21	0	0	0	26	180
1979	0	1	4	12	20	31	21	0	0	0	0	0	89
1980	0	0	6	27	29	31	30	14	0	0	6	12	155
1981	0	0	0	4	28	28	16	0	0	0	0	0	76
1982	0	7	0	27	28	31	30	31	23	0	7	30	214
1983	31	30	31	31	28	31	30	31	30	31	31	30	365
1984	20	18	31	31	29	25	0	0	0	0	0	0	154
1985	4	1	0	0	3	0	0	0	0	0	0	0	8
1986	6	3	5	0	19	31	30	14	0	0	0	0	108
1987	0	4	19	23	15	12	0	0	0	0	0	0	73
1988	0	0	0	2	0	0	0	0	0	0	0	0	2
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	9	0	0	0	0	0	0	9
1992	0	0	0	0	10	2	0	0	0	0	0	0	12
1993	0	0	0	23	28	31	24	0	0	0	0	0	106
1994	0	0	0	0	10	0	0	0	0	0	0	0	10
1995	0	0	0	26	28	31	30	30	0	0	0	0	145
1996	14	28	4	3	29	31	23	0	0	0	0	0	132
1997	1	8	21	31	28	12	0	0	0	0	0	0	101
1998	0	0	0	22	28	31	30	31	30	31	7	1	211
1999	0	19	31	31	28	31	25	0	9	0	0	0	174
2000	0	4	10	12	22	31	21	8	0	0	0	5	113
2001	0	0	0	10	16	31	21	0	0	0	0	0	78
2002	0	0	21	15	0	0	0	0	0	0	0	0	36
2003	0	0	14	23	0	8	0	19	0	0	0	0	64
2004	0	0	11	5	11	15	0	0	0	1	15	0	58
2005	0	0	0	31	28	31	30	31	2	6	0	0	159
2006	0	10	6	31	25	31	30	31	17	0	0	0	181
2007	0	4	3	24	0	0	0	0	0	0	0	0	31
2008	0	0	2	14	29	31	7	0	0	0	0	0	83
2009	0	0	0	0	5	11	0	0	0	0	0	0	16
2010	1	0	10	13	28	31	30	18	8	0	0	0	139
2011	0	0	10	31	28	31	30	31	30	31	15	0	237
2012	8	1	0	3	0	1	30	12	0	0	0	2	57
2013	3	0	12	11	0	0	0	0	0	0	0	0	26
Average	3	3	6	14	18	19	14	9	3	2	2	3	97
Median	0	0	0	13	22	28	7	0	0	0	0	0	83
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum	31	30	31	31	29	31	30	31	30	31	31	30	365

Data from USGS Gage 11152500

Estimate based on gaged flow plus estimated inflows from SIWTF, Salinas Stormwater and Blanco Drain

Reflects recorded diversions at the SRDF

Total: 7960

Scenario Notes:

Case 0: Base Condition for Salinas River just downstream of Blanco Drain.
Flow = USGS Speckels, plus SIWTF outflow to River, plus Salinas Stormwater outfall,
plus inflows from Blanco Drain, minus SRDF (rubber dam) diversions and stormwater capture.

No diversions of Salinas stormwater or SIWTF water.
No diversions from Blanco Drain.
Rubber dam diversions 2010-2013 are balanced by extra flow at Spreckels.

Case 1: Divert both Salinas stormwater and SIWTF water.
No diversions from Blanco Drain.
Rubber dam diversions 2010-2013 are balanced by extra flow at Spreckels.

Case 2: Divert both Salinas stormwater and SIWTF water.
Divert up to 2.99 cfs from Blanco Drain.
Rubber dam diversions 2010-2013 are balanced by extra flow at Spreckels.

Case 3: Divert both Salinas stormwater and SIWTF water.
Divert up to 4.6 cfs from Blanco Drain.
Rubber dam diversions 2010-2013 are balanced by extra flow at Spreckels.

Percentile Results:

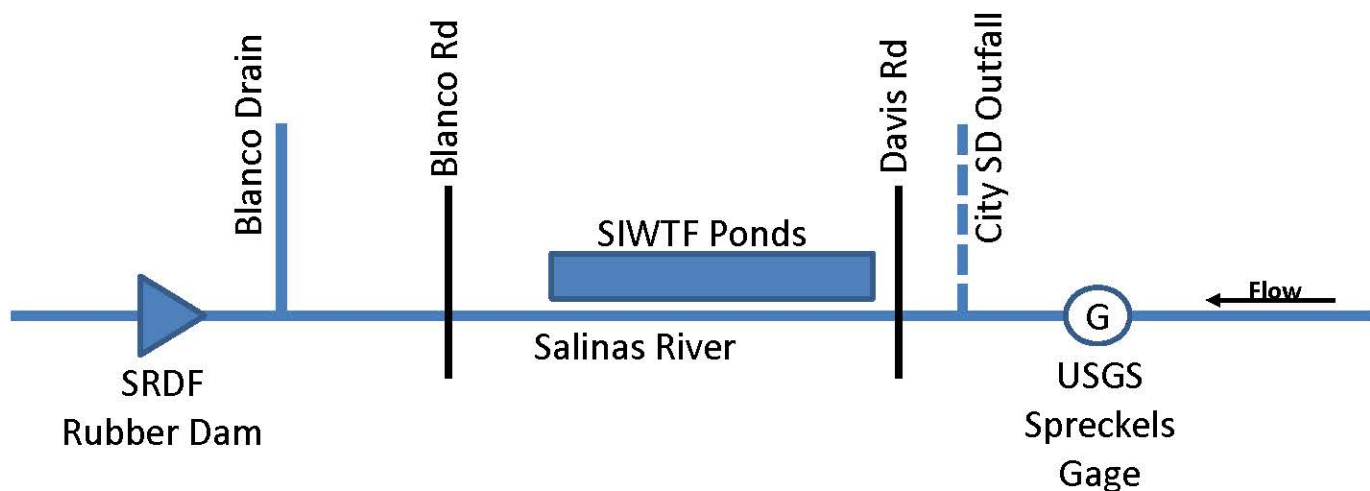
The flow with the nth percentile rank.
The 1.0 percentile flow is the highest daily flow.
The 0.50 percentile flow is the median daily flow.
The 0.01 percentile flow is exceeded 99% of the time (blank if 0.0 cfs).

Daily Flow Data

All daily results, sorted by date

Data by month

All daily results, sorted by month
Monthly Percentile ranking calcs, starting in column O



Salinas River below Blanco Drain, Annual Percentile Flows (cfs)

Annual Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	69920.10	69904.02	69901.03	69900.00
0.99	7956.29	7949.56	7946.57	7945.80
0.98	4618.62	4614.02	4611.03	4610.00
0.97	3267.17	3264.02	3261.03	3260.00
0.96	2521.40	2514.09	2511.10	2510.00
0.95	1966.92	1963.92	1960.93	1960.00
0.94	1537.00	1533.40	1530.41	1530.00
0.93	1217.00	1214.00	1211.01	1210.00
0.92	980.00	977.00	974.01	973.00
0.91	789.78	786.78	783.79	783.00
0.90	657.19	653.94	650.95	650.00
0.89	549.02	546.00	543.01	542.00
0.88	467.61	464.08	461.09	461.00
0.87	408.13	404.82	402.01	401.54
0.86	352.24	349.23	346.24	345.00
0.85	305.23	301.99	299.00	298.00
0.84	268.81	265.66	262.76	262.00
0.83	231.65	228.23	225.38	225.00
0.82	205.30	202.01	199.02	199.00
0.81	179.89	176.40	173.41	173.00
0.80	151.66	148.25	145.26	144.01
0.79	127.71	124.61	121.63	121.00
0.78	108.41	105.02	102.03	101.00
0.77	92.77	89.29	86.46	86.00
0.76	80.02	76.61	73.97	73.00
0.75	69.32	65.85	63.00	62.00
0.74	60.02	56.61	53.62	53.00
0.73	53.00	49.40	46.58	46.00
0.72	45.61	42.04	39.05	38.01
0.71	39.82	36.23	33.32	33.00
0.70	34.68	31.23	28.24	28.00
0.69	30.97	27.35	24.62	24.00
0.68	27.71	24.23	21.24	21.00
0.67	25.00	21.23	18.54	18.00
0.66	23.01	19.23	16.41	16.00
0.65	21.23	17.66	15.00	14.00
0.64	19.66	16.23	13.24	13.00
0.63	18.58	15.01	12.02	12.00
0.62	17.33	14.02	11.03	11.00
0.61	16.67	13.23	10.41	9.90
0.60	15.73	12.23	9.50	8.80
0.59	14.89	11.50	8.53	8.00
0.58	14.20	10.90	8.01	7.50
0.57	13.73	10.40	7.51	6.90
0.56	13.12	9.80	7.00	6.30
0.55	12.70	9.31	6.47	6.00
0.54	12.11	8.97	6.02	5.50
0.53	11.80	8.51	5.62	5.00
0.52	11.41	8.10	5.20	4.50
0.51	11.01	7.72	4.81	4.10

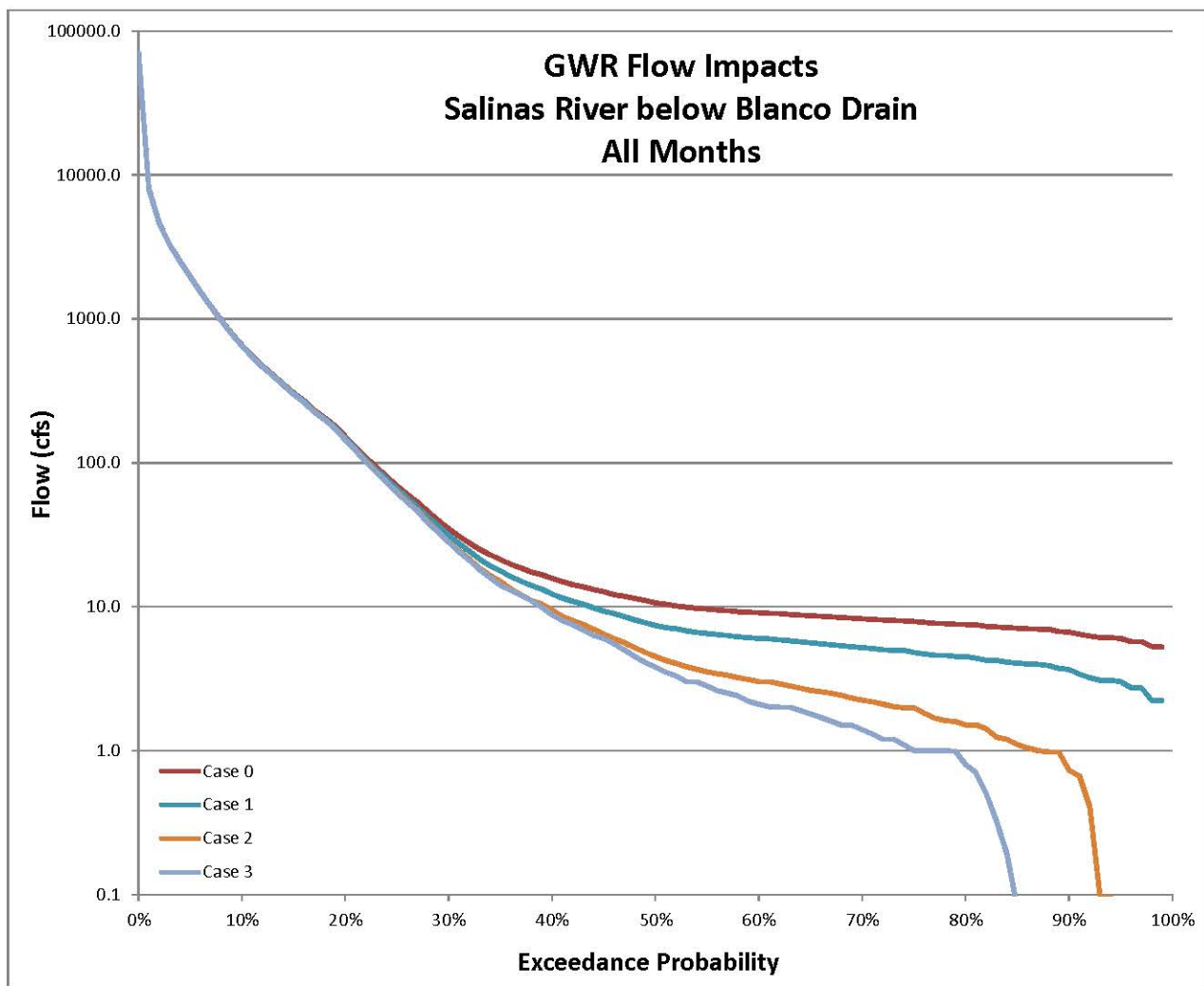
Annual Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	10.63	7.42	4.51	3.80
0.49	10.40	7.17	4.23	3.50
0.48	10.11	7.00	4.03	3.30
0.47	9.93	6.79	3.82	3.01
0.46	9.73	6.61	3.68	3.00
0.45	9.61	6.50	3.51	2.80
0.44	9.49	6.40	3.42	2.60
0.43	9.39	6.30	3.33	2.50
0.42	9.23	6.17	3.21	2.40
0.41	9.13	6.10	3.11	2.20
0.40	9.07	6.01	3.02	2.10
0.39	9.00	5.97	3.01	2.01
0.38	8.93	5.87	2.91	2.00
0.37	8.81	5.80	2.82	2.00
0.36	8.73	5.70	2.72	1.90
0.35	8.63	5.60	2.62	1.80
0.34	8.56	5.50	2.57	1.70
0.33	8.50	5.46	2.51	1.60
0.32	8.41	5.36	2.42	1.50
0.31	8.30	5.26	2.32	1.50
0.30	8.23	5.19	2.24	1.40
0.29	8.16	5.11	2.18	1.30
0.28	8.07	5.01	2.10	1.20
0.27	8.00	4.97	2.02	1.20
0.26	7.97	4.96	1.98	1.10
0.25	7.91	4.81	1.98	1.00
0.24	7.76	4.70	1.81	1.00
0.23	7.66	4.61	1.68	1.00
0.22	7.61	4.60	1.62	1.00
0.21	7.53	4.50	1.60	0.99
0.20	7.50	4.50	1.51	0.80
0.19	7.49	4.39	1.51	0.70
0.18	7.31	4.23	1.41	0.50
0.17	7.23	4.23	1.24	0.32
0.16	7.17	4.11	1.20	0.19
0.15	7.09	4.05	1.10	0.08
0.14	7.02	3.99	1.05	0.01
0.13	6.97	3.97	1.00	0.01
0.12	6.97	3.91	0.98	0.00
0.11	6.73	3.73	0.98	0.00
0.10	6.66	3.66	0.73	0.00
0.09	6.43	3.40	0.67	0.00
0.08	6.23	3.20	0.41	0.00
0.07	6.09	3.09	0.10	0.00
0.06	6.09	3.09	0.10	0.00
0.05	6.01	3.01	0.02	0.00
0.04	5.73	2.73	0.01	0.00
0.03	5.73	2.73	0.00	0.00
0.02	5.30	2.23	0.00	0.00
0.01	5.23	2.23	0.00	0.00

Case 0: No diversions (Base Condition).

Case 1: Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

Case 2: Divert both Salinas Stormwater and SIWTF; Divert up to 2.99 cfs from Blanco Drain.

Case 3: Divert both Salinas Stormwater and SIWTF; Divert up to 4.6 cfs from Blanco Drain.



Case 0 No diversions (Base Condition).

Case 1 Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

Case 2 Divert both Salinas Stormwater and SIWTF; Divert up to 2.99 cfs from Blanco Drain.

Case 3 Divert both Salinas Stormwater and SIWTF; Divert up to 4.6 cfs from Blanco Drain.

Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;
SRDF diversions balance extra flow at Spreckels during this period.

Total flow is the sum of the Salinas R. at Spreckels (USGS gage) plus storm runoff, plus SIWTF inflows,
plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

January

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	53406.68	53403.40	53400.41	53400.00
0.99	11328.40	11321.40	11318.41	11318.00
0.98	8439.81	8428.80	8425.81	8425.40
0.97	6109.50	6106.50	6103.51	6103.10
0.96	5050.01	5047.00	5044.01	5043.60
0.95	4375.90	4372.90	4369.91	4369.50
0.94	3870.06	3865.00	3862.01	3861.60
0.93	3403.11	3394.70	3391.71	3391.30
0.92	3046.40	3040.60	3037.61	3037.20
0.91	2799.50	2796.50	2793.51	2793.10
0.90	2544.61	2541.40	2538.41	2538.00
0.89	2136.20	2133.20	2130.21	2129.80
0.88	1926.40	1923.40	1920.41	1920.00
0.87	1686.64	1683.40	1680.41	1680.00
0.86	1486.40	1483.40	1480.41	1480.00
0.85	1305.22	1283.40	1280.41	1280.00
0.84	1146.40	1143.40	1140.41	1140.00
0.83	1026.40	1023.40	1020.41	1020.00
0.82	893.74	890.12	887.13	886.72
0.81	793.90	789.40	786.41	786.00
0.80	710.00	707.00	704.01	703.60
0.79	634.13	630.96	627.97	627.56
0.78	595.32	587.40	584.41	584.00
0.77	551.97	548.97	545.98	545.57
0.76	491.56	488.56	485.57	485.16
0.75	450.15	447.15	444.16	443.75
0.74	410.50	406.74	403.75	403.34
0.73	362.33	359.33	356.34	355.93
0.72	318.92	315.92	312.93	312.52
0.71	291.40	288.40	285.41	285.00
0.70	257.39	253.40	250.41	250.00
0.69	236.69	230.56	227.57	227.16
0.68	215.16	210.40	207.41	207.00
0.67	197.34	193.87	190.88	190.47
0.66	183.40	180.40	177.41	177.00
0.65	166.40	163.05	160.06	159.65
0.64	151.35	147.40	144.41	144.00
0.63	137.24	133.40	130.41	130.00
0.62	126.40	122.40	119.41	119.00
0.61	114.40	111.40	108.41	108.00
0.60	103.40	100.40	97.41	97.00
0.59	93.59	88.59	85.60	85.19
0.58	84.38	79.40	76.41	76.00
0.57	77.40	73.40	70.41	70.00
0.56	70.40	67.36	64.37	63.96
0.55	63.40	59.40	56.41	56.00
0.54	58.40	54.40	51.41	51.00
0.53	53.40	49.13	46.14	45.73
0.52	46.40	42.40	39.41	39.00
0.51	42.40	39.40	36.41	36.00

January

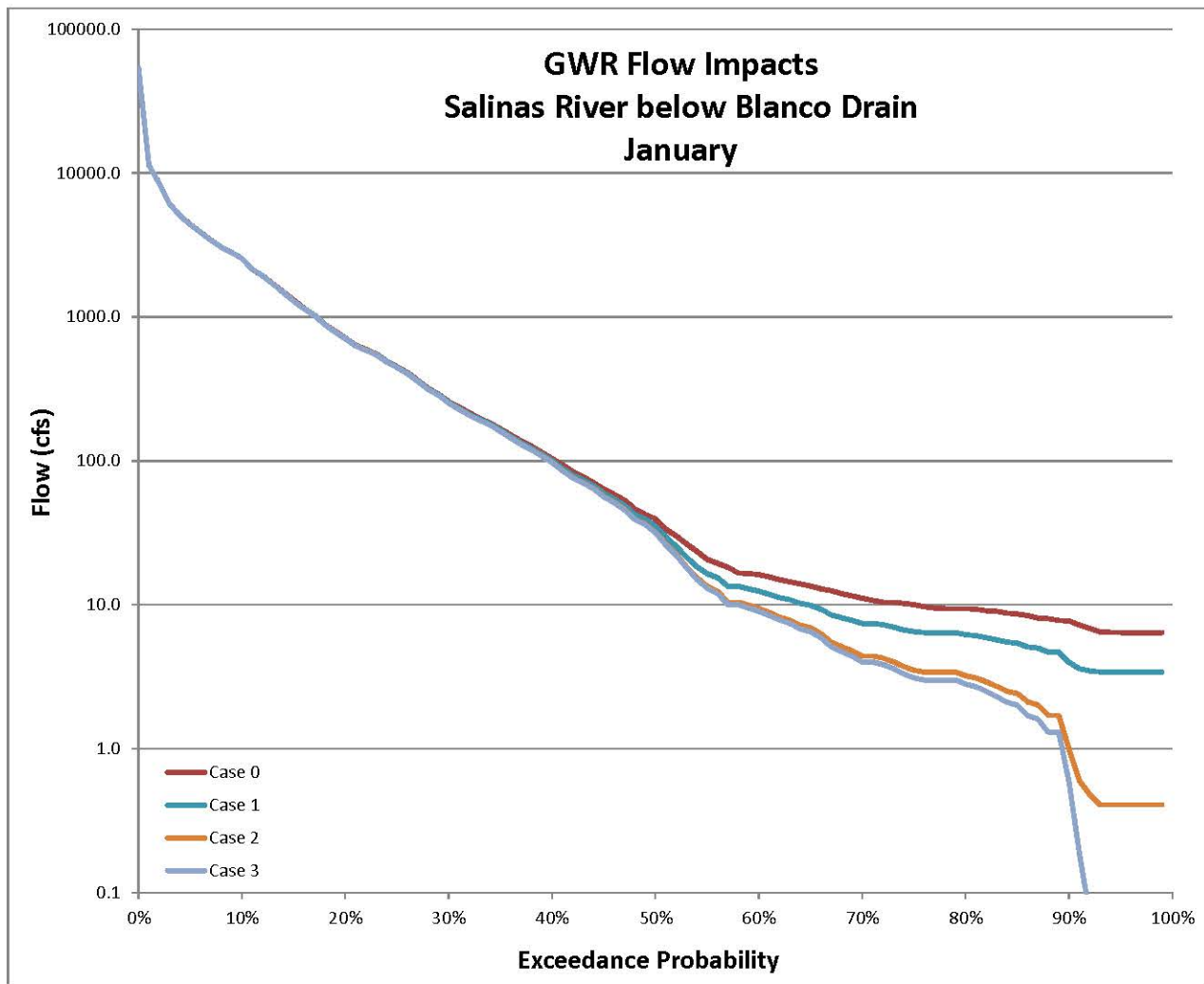
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	39.40	34.90	31.91	31.50
0.49	33.40	29.40	26.41	26.00
0.48	30.09	25.40	22.41	22.00
0.47	26.42	21.40	18.41	18.00
0.46	23.40	18.40	15.41	15.00
0.45	20.66	16.40	13.41	13.00
0.44	19.40	15.40	12.41	12.00
0.43	18.16	13.40	10.41	10.00
0.42	16.63	13.40	10.41	10.00
0.41	16.40	12.90	9.91	9.50
0.40	16.19	12.40	9.41	9.00
0.39	15.60	11.80	8.81	8.40
0.38	14.90	11.20	8.21	7.80
0.37	14.40	10.82	7.83	7.42
0.36	13.90	10.20	7.21	6.80
0.35	13.43	9.90	6.91	6.50
0.34	12.90	9.29	6.30	5.89
0.33	12.50	8.50	5.51	5.10
0.32	11.90	8.11	5.12	4.71
0.31	11.50	7.77	4.78	4.37
0.30	11.10	7.40	4.41	4.00
0.29	10.71	7.40	4.41	4.00
0.28	10.40	7.25	4.26	3.85
0.27	10.40	7.00	4.01	3.60
0.26	10.20	6.70	3.71	3.30
0.25	10.00	6.50	3.51	3.10
0.24	9.70	6.40	3.41	3.00
0.23	9.50	6.40	3.41	3.00
0.22	9.40	6.40	3.41	3.00
0.21	9.40	6.40	3.41	3.00
0.20	9.40	6.20	3.21	2.80
0.19	9.30	6.10	3.11	2.70
0.18	9.10	5.90	2.91	2.50
0.17	9.00	5.70	2.71	2.30
0.16	8.75	5.50	2.51	2.10
0.15	8.60	5.40	2.41	2.00
0.14	8.40	5.10	2.11	1.70
0.13	8.10	5.00	2.01	1.60
0.12	8.00	4.70	1.71	1.30
0.11	7.76	4.70	1.71	1.30
0.10	7.70	3.98	0.99	0.58
0.09	7.18	3.59	0.60	0.19
0.08	6.84	3.47	0.48	0.07
0.07	6.47	3.40	0.41	0.00
0.06	6.42	3.40	0.41	0.00
0.05	6.40	3.40	0.41	0.00
0.04	6.40	3.40	0.41	0.00
0.03	6.40	3.40	0.41	0.00
0.02	6.40	3.40	0.41	0.00
0.01	6.40	3.40	0.41	0.00

Case 0: No diversions (Base Condition).

Case 1: Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

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Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;
SRDF diversions balance extra flow at Spreckels during this period.

Total flow is the sum of the Salinas R. at Spreckels (USGS gage) plus storm runoff, plus SIWTF inflows,
plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

February

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	69920.10	69904.02	69901.03	69900.00
0.99	20975.03	20956.02	20953.03	20952.00
0.98	15811.23	15808.02	15805.03	15804.00
0.97	12959.96	12956.02	12953.03	12952.00
0.96	9831.31	9816.02	9813.03	9812.00
0.95	8369.02	8366.02	8363.03	8362.00
0.94	7147.42	7144.42	7141.43	7140.40
0.93	6425.82	6422.82	6419.83	6418.80
0.92	5697.84	5691.22	5688.23	5687.20
0.91	4943.82	4940.82	4937.83	4936.80
0.90	4581.02	4578.02	4575.03	4574.00
0.89	4271.11	4266.42	4263.43	4262.40
0.88	3891.05	3888.02	3885.03	3884.00
0.87	3499.82	3496.82	3493.83	3492.80
0.86	3187.55	3184.42	3181.43	3180.40
0.85	2869.52	2862.02	2859.03	2858.00
0.84	2642.33	2638.42	2635.43	2634.40
0.83	2487.34	2484.02	2481.03	2480.00
0.82	2338.22	2335.22	2332.23	2331.20
0.81	2157.02	2154.02	2151.03	2150.00
0.80	2047.02	2044.02	2041.03	2040.00
0.79	1869.83	1866.82	1863.83	1862.80
0.78	1742.54	1738.82	1735.83	1734.80
0.77	1617.03	1614.02	1611.03	1610.00
0.76	1497.02	1494.02	1491.03	1490.00
0.75	1407.02	1404.02	1401.03	1400.00
0.74	1255.60	1252.42	1249.43	1248.40
0.73	1147.02	1144.02	1141.03	1140.00
0.72	1072.37	1069.22	1066.23	1065.20
0.71	1000.38	997.38	994.39	993.36
0.70	916.22	913.22	910.23	909.20
0.69	861.22	858.22	855.23	854.20
0.68	803.79	800.78	797.79	796.76
0.67	760.02	757.02	754.03	753.00
0.66	708.62	704.02	701.03	700.00
0.65	667.78	664.42	661.43	660.40
0.64	617.02	614.02	611.03	610.00
0.63	571.18	568.18	565.19	564.16
0.62	535.90	530.02	527.03	526.00
0.61	518.47	514.78	511.79	510.76
0.60	480.23	477.22	474.23	473.20
0.59	442.90	439.90	436.91	435.88
0.58	407.60	402.58	399.59	398.56
0.57	367.10	364.02	361.03	360.00
0.56	337.02	334.02	331.03	330.00
0.55	297.14	294.02	291.03	290.00
0.54	265.94	262.94	259.95	258.92
0.53	242.09	237.46	234.47	233.44
0.52	219.98	216.98	213.99	212.96
0.51	202.18	199.02	196.03	195.00

February

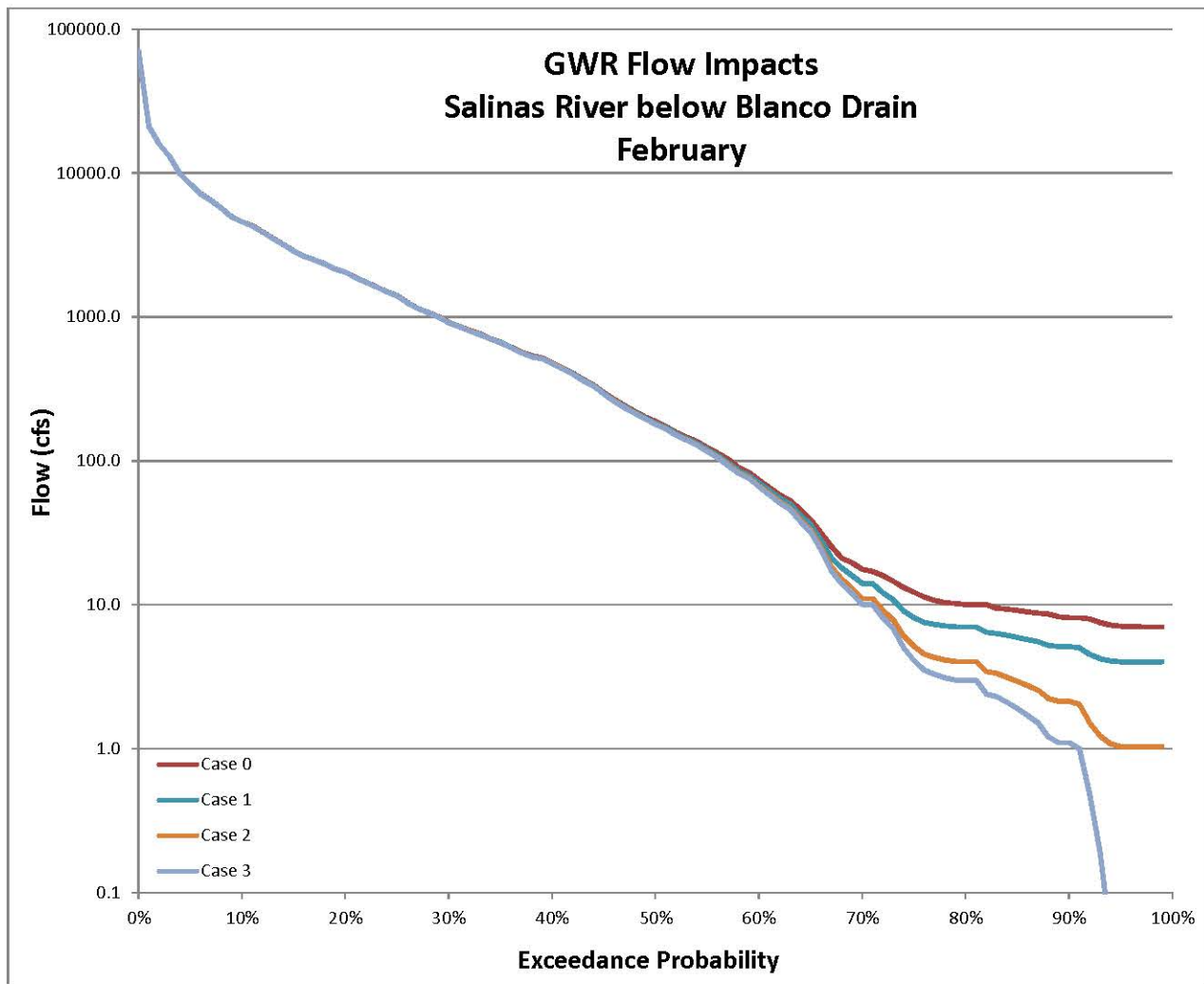
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	188.02	183.02	180.03	179.00
0.49	173.02	170.02	167.03	166.00
0.48	157.93	154.02	151.03	150.00
0.47	146.02	143.02	140.03	139.00
0.46	136.02	132.38	129.39	128.36
0.45	123.22	120.02	117.03	116.00
0.44	113.06	109.06	106.07	105.04
0.43	102.66	97.02	94.03	93.00
0.42	90.02	86.02	83.03	82.00
0.41	83.02	79.58	76.59	75.56
0.40	73.57	70.02	67.03	66.00
0.39	65.02	62.02	59.03	58.00
0.38	58.02	55.02	52.03	51.00
0.37	53.02	50.02	47.03	46.00
0.36	45.78	42.02	39.03	38.00
0.35	39.02	36.02	33.03	32.00
0.34	31.58	28.02	25.03	24.00
0.33	25.53	21.30	18.31	17.28
0.32	21.06	18.02	15.03	14.00
0.31	19.57	15.98	12.99	11.96
0.30	17.59	14.02	11.03	10.00
0.29	17.02	14.02	11.03	10.00
0.28	15.88	12.12	9.13	8.10
0.27	14.52	10.82	7.83	6.80
0.26	13.15	9.04	6.05	5.02
0.25	12.23	8.12	5.13	4.10
0.24	11.32	7.52	4.53	3.50
0.23	10.72	7.29	4.30	3.27
0.22	10.32	7.12	4.13	3.10
0.21	10.22	7.02	4.03	3.00
0.20	10.02	7.02	4.03	3.00
0.19	10.02	7.02	4.03	3.00
0.18	10.02	6.42	3.43	2.40
0.17	9.43	6.32	3.33	2.30
0.16	9.32	6.12	3.13	2.10
0.15	9.12	5.92	2.93	1.90
0.14	8.92	5.72	2.73	1.70
0.13	8.72	5.53	2.54	1.51
0.12	8.61	5.22	2.23	1.20
0.11	8.22	5.12	2.13	1.10
0.10	8.12	5.12	2.13	1.10
0.09	8.12	5.02	2.03	1.00
0.08	7.96	4.50	1.51	0.48
0.07	7.50	4.21	1.22	0.19
0.06	7.21	4.07	1.08	0.05
0.05	7.10	4.02	1.03	0.00
0.04	7.04	4.02	1.03	0.00
0.03	7.02	4.02	1.03	0.00
0.02	7.02	4.02	1.03	0.00
0.01	7.02	4.02	1.03	0.00

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plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

March

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	64007.00	64004.00	64001.01	64000.00
0.99	16365.69	16358.00	16355.01	16354.00
0.98	10525.00	10522.00	10519.01	10518.00
0.97	8891.81	8888.80	8885.81	8884.80
0.96	7500.60	7497.60	7494.61	7493.60
0.95	6304.50	6301.50	6298.51	6297.50
0.94	5317.83	5314.80	5311.81	5310.80
0.93	4663.03	4659.20	4656.21	4655.20
0.92	4233.94	4228.40	4225.41	4224.40
0.91	3909.15	3904.00	3901.01	3900.00
0.90	3503.00	3500.00	3497.01	3496.00
0.89	3166.80	3163.80	3160.81	3159.80
0.88	2827.00	2824.00	2821.01	2820.00
0.87	2600.40	2597.40	2594.41	2593.40
0.86	2413.15	2406.60	2403.61	2402.60
0.85	2267.73	2264.00	2261.01	2260.00
0.84	2127.00	2124.00	2121.01	2120.00
0.83	2017.00	2014.00	2011.01	2010.00
0.82	1863.20	1860.20	1857.21	1856.20
0.81	1717.00	1714.00	1711.01	1710.00
0.80	1585.26	1582.00	1579.01	1578.00
0.79	1487.00	1484.00	1481.01	1480.00
0.78	1416.80	1413.80	1410.81	1409.80
0.77	1332.70	1329.70	1326.71	1325.70
0.76	1238.60	1234.00	1231.01	1230.00
0.75	1147.00	1144.00	1141.01	1140.00
0.74	1067.00	1064.00	1061.01	1060.00
0.73	1000.93	997.93	994.94	993.93
0.72	937.00	934.00	931.01	930.00
0.71	871.85	863.22	860.23	859.22
0.70	794.80	791.80	788.81	787.80
0.69	737.00	734.00	731.01	730.00
0.68	685.88	682.88	679.89	678.88
0.67	642.00	639.00	636.01	635.00
0.66	611.10	608.06	605.07	604.06
0.65	574.65	570.30	567.31	566.30
0.64	529.00	526.00	523.01	522.00
0.63	502.81	498.00	495.01	494.00
0.62	471.68	468.68	465.69	464.68
0.61	437.01	434.01	431.02	430.01
0.60	405.80	402.80	399.81	398.80
0.59	385.00	381.19	378.20	377.19
0.58	361.81	358.78	355.79	354.78
0.57	344.07	341.00	338.01	337.00
0.56	327.85	319.00	316.01	315.00
0.55	307.97	304.55	301.56	300.55
0.54	293.00	288.14	285.15	284.14
0.53	271.19	268.19	265.20	264.19
0.52	246.32	243.32	240.33	239.32
0.51	225.00	222.00	219.01	218.00

March

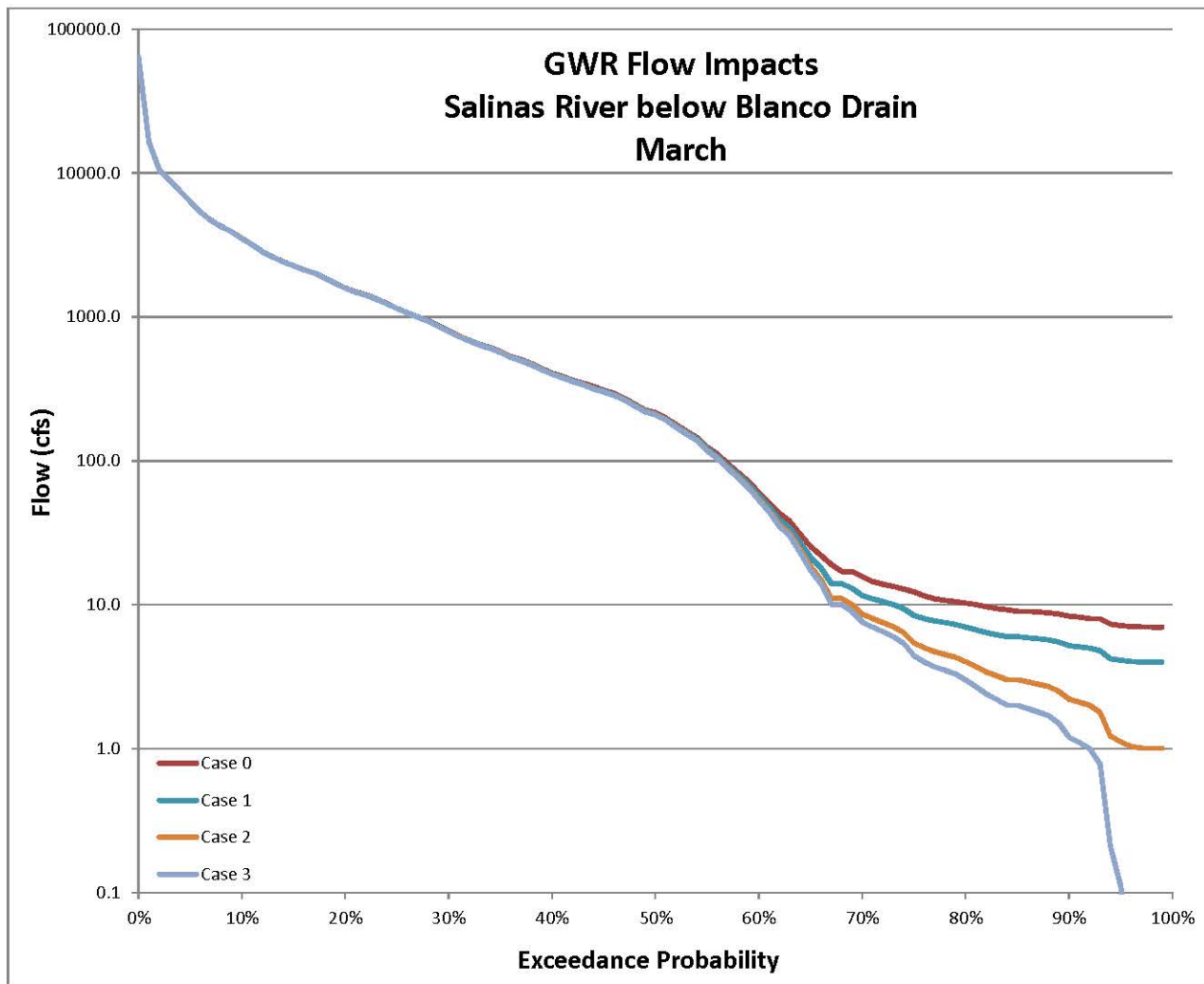
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	216.00	212.50	209.51	208.50
0.49	198.00	195.00	192.01	191.00
0.48	178.00	174.68	171.69	170.68
0.47	160.27	157.27	154.28	153.27
0.46	145.00	142.00	139.01	138.00
0.45	124.00	121.00	118.01	117.00
0.44	111.00	107.04	104.05	103.04
0.43	95.00	92.00	89.01	88.00
0.42	83.00	80.00	77.01	76.00
0.41	71.81	68.81	65.82	64.81
0.40	60.00	57.00	54.01	53.00
0.39	51.00	48.00	45.01	44.00
0.38	43.00	39.00	36.01	35.00
0.37	38.00	34.00	31.01	30.00
0.36	31.00	27.00	24.01	23.00
0.35	25.28	21.35	18.36	17.35
0.34	22.00	18.00	15.01	14.00
0.33	19.00	14.06	11.07	10.06
0.32	17.00	14.00	11.01	10.00
0.31	17.00	13.00	10.01	9.00
0.30	15.63	11.56	8.57	7.56
0.29	14.50	10.99	8.00	6.99
0.28	13.90	10.50	7.51	6.50
0.27	13.40	10.00	7.01	6.00
0.26	12.80	9.40	6.41	5.40
0.25	12.30	8.42	5.43	4.42
0.24	11.47	8.00	5.01	4.00
0.23	11.00	7.70	4.71	3.70
0.22	10.70	7.50	4.51	3.50
0.21	10.50	7.30	4.31	3.30
0.20	10.27	7.00	4.01	3.00
0.19	10.00	6.70	3.71	2.70
0.18	9.70	6.40	3.41	2.40
0.17	9.40	6.20	3.21	2.20
0.16	9.20	6.00	3.01	2.00
0.15	9.00	6.00	3.01	2.00
0.14	9.00	5.90	2.91	1.90
0.13	8.90	5.80	2.81	1.80
0.12	8.80	5.70	2.71	1.70
0.11	8.60	5.50	2.51	1.50
0.10	8.31	5.20	2.21	1.20
0.09	8.20	5.10	2.11	1.10
0.08	8.00	5.00	2.01	1.00
0.07	7.99	4.78	1.79	0.78
0.06	7.32	4.21	1.22	0.21
0.05	7.15	4.11	1.12	0.11
0.04	7.06	4.02	1.03	0.03
0.03	7.01	4.00	1.01	0.00
0.02	7.00	4.00	1.01	0.00
0.01	7.00	4.00	1.01	0.00

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plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

April

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	29527.85	29504.23	29501.24	29500.00
0.99	7745.93	7742.93	7739.94	7738.70
0.98	4378.43	4375.43	4372.44	4371.20
0.97	3221.83	3218.83	3215.84	3214.60
0.96	2896.13	2890.63	2887.64	2886.40
0.95	2568.74	2565.23	2562.24	2561.00
0.94	2331.83	2328.83	2325.84	2324.60
0.93	2087.23	2084.23	2081.24	2080.00
0.92	1880.07	1877.03	1874.04	1872.80
0.91	1761.03	1758.03	1755.04	1753.80
0.90	1627.23	1624.23	1621.24	1620.00
0.89	1477.23	1474.23	1471.24	1470.00
0.88	1347.23	1344.23	1341.24	1340.00
0.87	1250.53	1247.53	1244.54	1243.30
0.86	1157.23	1154.23	1151.24	1150.00
0.85	1077.23	1074.23	1071.24	1070.00
0.84	1006.23	1000.91	997.92	996.68
0.83	932.20	929.20	926.21	924.97
0.82	879.75	876.75	873.76	872.52
0.81	812.23	809.23	806.24	805.00
0.80	762.83	759.23	756.24	755.00
0.79	715.23	712.23	709.24	708.00
0.78	660.25	657.25	654.26	653.02
0.77	610.52	607.52	604.53	603.29
0.76	566.23	563.23	560.24	559.00
0.75	526.48	523.48	520.49	519.25
0.74	490.55	487.55	484.56	483.32
0.73	453.50	450.44	447.45	446.21
0.72	417.15	414.15	411.16	409.92
0.71	382.22	379.12	376.13	374.89
0.70	355.53	352.53	349.54	348.30
0.69	333.23	330.23	327.24	326.00
0.68	307.23	304.23	301.24	300.00
0.67	287.23	284.23	281.24	280.00
0.66	269.23	266.17	263.18	261.94
0.65	249.93	246.93	243.94	242.70
0.64	230.99	227.99	225.00	223.76
0.63	209.57	206.57	203.58	202.34
0.62	196.97	193.97	190.98	189.58
0.61	180.23	177.23	174.24	173.00
0.60	162.36	158.63	155.64	154.40
0.59	140.23	137.23	134.24	133.00
0.58	119.23	116.23	113.24	112.00
0.57	103.86	100.86	97.87	96.63
0.56	90.27	87.27	84.28	83.04
0.55	79.41	76.41	73.42	72.45
0.54	69.56	66.09	63.10	61.86
0.53	59.01	55.50	52.51	51.27
0.52	48.53	45.23	42.24	41.00
0.51	41.23	37.32	34.33	33.09

April

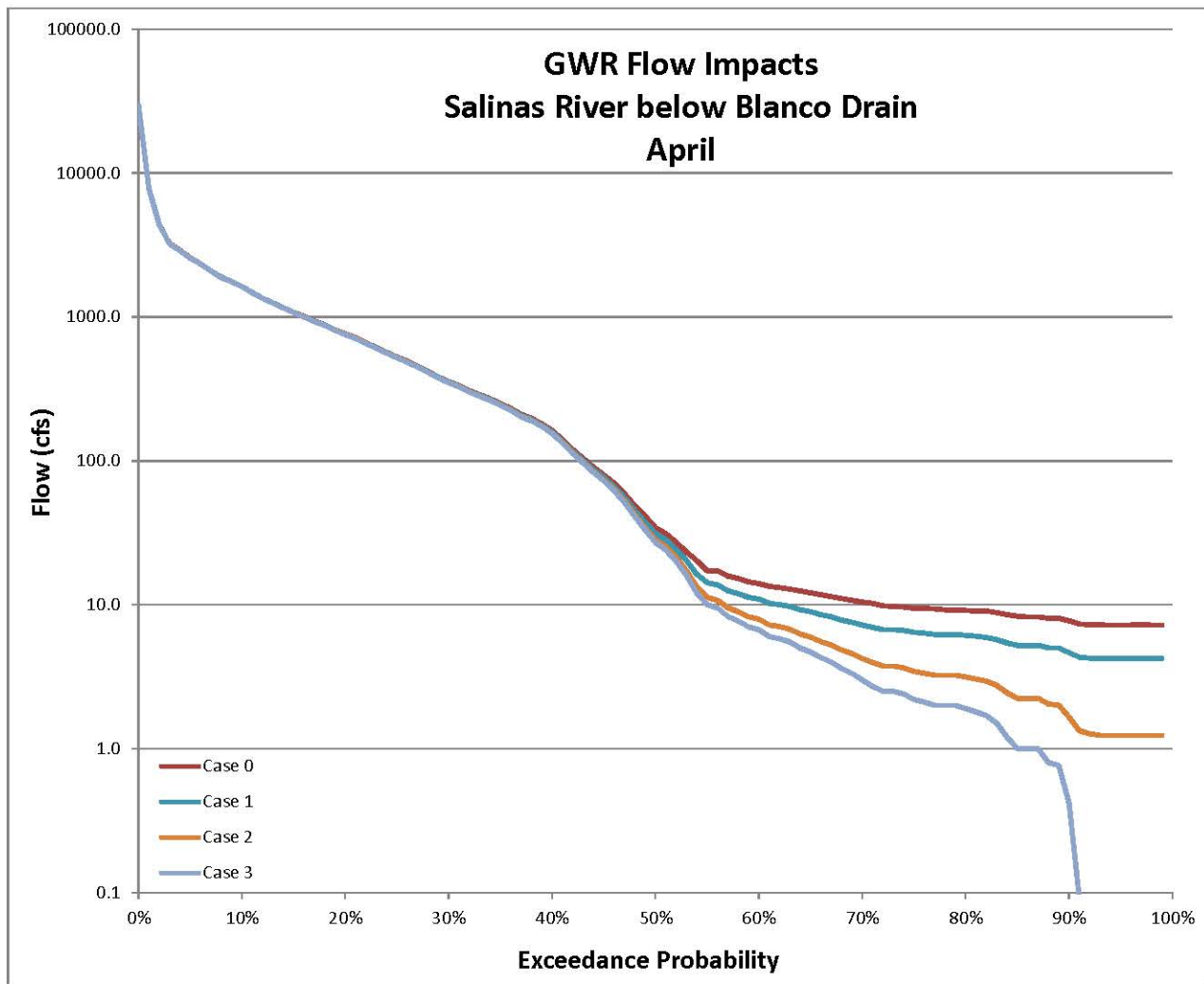
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	34.23	31.23	28.24	27.00
0.49	31.23	28.23	25.24	24.00
0.48	27.23	24.23	21.24	20.00
0.47	23.23	20.23	17.24	16.00
0.46	20.23	16.23	13.24	12.00
0.45	17.23	14.23	11.24	10.00
0.44	17.20	13.73	10.74	9.50
0.43	15.83	12.53	9.54	8.30
0.42	15.23	11.93	8.94	7.70
0.41	14.43	11.24	8.25	7.01
0.40	14.03	10.93	7.94	6.70
0.39	13.43	10.23	7.24	6.00
0.38	13.13	10.03	7.04	5.80
0.37	12.83	9.73	6.74	5.50
0.36	12.45	9.23	6.24	5.00
0.35	12.02	8.93	5.94	4.70
0.34	11.73	8.53	5.54	4.30
0.33	11.43	8.23	5.24	4.00
0.32	11.03	7.83	4.84	3.60
0.31	10.73	7.56	4.57	3.33
0.30	10.43	7.23	4.24	3.00
0.29	10.23	6.94	3.95	2.71
0.28	9.83	6.73	3.74	2.50
0.27	9.73	6.73	3.74	2.50
0.26	9.63	6.63	3.64	2.40
0.25	9.43	6.43	3.44	2.20
0.24	9.43	6.33	3.34	2.10
0.23	9.33	6.23	3.24	2.00
0.22	9.23	6.23	3.24	2.00
0.21	9.23	6.23	3.24	2.00
0.20	9.13	6.13	3.14	1.90
0.19	9.03	6.03	3.04	1.80
0.18	9.03	5.93	2.94	1.70
0.17	8.83	5.73	2.74	1.50
0.16	8.53	5.43	2.44	1.20
0.15	8.33	5.23	2.24	1.00
0.14	8.23	5.23	2.24	1.00
0.13	8.23	5.23	2.24	1.00
0.12	8.03	5.03	2.04	0.80
0.11	8.03	5.00	2.01	0.76
0.10	7.75	4.65	1.66	0.42
0.09	7.34	4.32	1.33	0.09
0.08	7.27	4.26	1.27	0.03
0.07	7.23	4.23	1.24	0.00
0.06	7.23	4.23	1.24	0.00
0.05	7.23	4.23	1.24	0.00
0.04	7.23	4.23	1.24	0.00
0.03	7.23	4.23	1.24	0.00
0.02	7.23	4.23	1.24	0.00
0.01	7.23	4.23	1.24	0.00

Case 0: No diversions (Base Condition).

Case 1: Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

Case 2: Divert both Salinas Stormwater and SIWTF; Divert up to 2.99 cfs from Blanco Drain.

Case 3: Divert both Salinas Stormwater and SIWTF; Divert up to 4.6 cfs from Blanco Drain.



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Case 3 Divert both Salinas Stormwater and SIWTF; Divert up to 4.6 cfs from Blanco Drain.

Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;
SRDF diversions balance extra flow at Spreckels during this period.

Total flow is the sum of the Salinas R. at Spreckels (USGS gage) plus storm runoff, plus SIWTF inflows,
plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

May

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	3476.66	3473.66	3470.67	3470.00
0.99	2607.96	2604.96	2601.97	2601.30
0.98	1216.66	1213.66	1210.67	1210.00
0.97	866.66	863.66	860.67	860.00
0.96	729.18	726.18	723.19	722.52
0.95	638.66	635.66	632.67	632.00
0.94	566.66	563.66	560.67	560.00
0.93	494.79	491.79	488.80	488.13
0.92	444.93	441.93	438.94	438.32
0.91	384.59	381.59	378.60	377.93
0.90	328.46	325.46	322.47	321.80
0.89	296.10	293.10	290.11	288.98
0.88	263.82	260.82	257.83	257.16
0.87	242.66	239.66	236.67	236.00
0.86	227.92	224.92	221.93	221.26
0.85	212.21	209.21	206.22	205.55
0.84	187.54	184.54	181.55	180.88
0.83	167.69	164.69	161.70	161.03
0.82	148.66	145.66	142.67	142.00
0.81	136.87	133.87	130.88	130.21
0.80	126.66	123.66	120.67	120.00
0.79	115.05	112.05	109.06	108.39
0.78	104.66	101.66	98.67	98.00
0.77	94.66	91.66	88.67	88.00
0.76	83.82	80.82	77.83	77.16
0.75	76.66	73.66	70.67	70.00
0.74	70.66	67.66	64.67	64.00
0.73	63.62	60.62	57.63	56.05
0.72	57.74	54.74	51.75	51.00
0.71	53.66	50.66	47.67	47.00
0.70	49.66	46.66	43.67	43.00
0.69	45.66	42.66	39.67	39.00
0.68	41.54	38.54	35.55	34.88
0.67	36.66	33.66	30.67	30.00
0.66	32.72	29.72	26.73	26.06
0.65	30.66	27.66	24.67	24.00
0.64	27.66	24.66	21.67	21.00
0.63	25.66	22.66	19.67	19.00
0.62	23.66	20.66	17.67	17.00
0.61	21.66	18.66	15.67	15.00
0.60	20.66	17.66	14.67	14.00
0.59	19.66	16.66	13.67	13.00
0.58	18.66	15.64	12.65	11.67
0.57	16.66	13.66	10.67	10.00
0.56	15.66	12.65	9.66	9.00
0.55	14.71	11.66	8.67	8.00
0.54	14.16	11.06	8.07	7.40
0.53	13.56	10.46	7.47	6.80
0.52	12.86	9.79	6.80	6.13
0.51	12.46	9.45	6.46	5.79

May

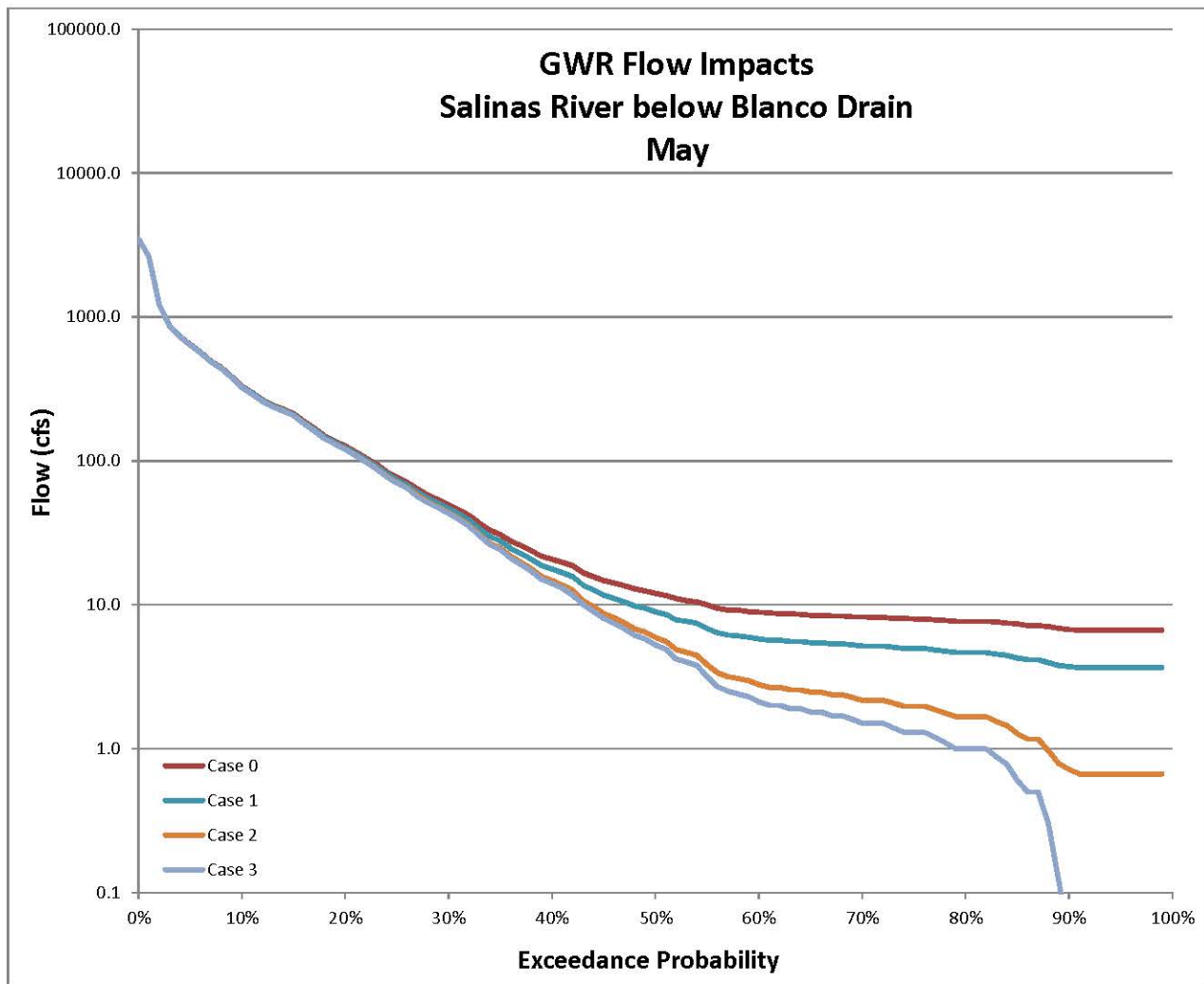
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	11.96	8.91	5.92	5.25
0.49	11.57	8.56	5.57	4.90
0.48	11.03	7.86	4.87	4.20
0.47	10.66	7.66	4.67	4.00
0.46	10.46	7.44	4.45	3.79
0.45	9.96	6.80	3.81	3.15
0.44	9.46	6.36	3.37	2.70
0.43	9.16	6.16	3.17	2.50
0.42	9.16	6.06	3.07	2.40
0.41	8.96	5.96	2.97	2.30
0.40	8.86	5.77	2.78	2.11
0.39	8.76	5.66	2.67	2.00
0.38	8.66	5.66	2.67	2.00
0.37	8.66	5.56	2.57	1.90
0.36	8.56	5.56	2.57	1.90
0.35	8.46	5.46	2.47	1.80
0.34	8.46	5.46	2.47	1.80
0.33	8.36	5.36	2.37	1.70
0.32	8.36	5.36	2.37	1.70
0.31	8.26	5.26	2.27	1.60
0.30	8.26	5.16	2.17	1.50
0.29	8.16	5.16	2.17	1.50
0.28	8.16	5.16	2.17	1.50
0.27	8.06	5.06	2.07	1.40
0.26	8.06	4.96	1.97	1.30
0.25	7.96	4.96	1.97	1.30
0.24	7.96	4.96	1.97	1.30
0.23	7.86	4.86	1.87	1.20
0.22	7.76	4.76	1.77	1.10
0.21	7.66	4.66	1.67	1.00
0.20	7.66	4.66	1.67	1.00
0.19	7.66	4.66	1.67	1.00
0.18	7.66	4.65	1.66	0.99
0.17	7.59	4.53	1.54	0.87
0.16	7.46	4.43	1.44	0.78
0.15	7.36	4.26	1.27	0.60
0.14	7.16	4.16	1.17	0.50
0.13	7.16	4.16	1.17	0.50
0.12	7.07	3.96	0.97	0.30
0.11	6.86	3.78	0.79	0.12
0.10	6.72	3.71	0.72	0.05
0.09	6.66	3.66	0.67	0.00
0.08	6.66	3.66	0.67	0.00
0.07	6.66	3.66	0.67	0.00
0.06	6.66	3.66	0.67	0.00
0.05	6.66	3.66	0.67	0.00
0.04	6.66	3.66	0.67	0.00
0.03	6.66	3.66	0.67	0.00
0.02	6.66	3.66	0.67	0.00
0.01	6.66	3.66	0.67	0.00

Case 0: No diversions (Base Condition).

Case 1: Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

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Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;

SRDF diversions balance extra flow at Spreckels during this period.

Total flow is the sum of the Salinas R. at Spreckels (USGS gage) plus storm runoff, plus SIWTF inflows, plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

June

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	1657.61	1654.61	1651.62	1650.01
0.99	455.81	452.81	449.82	448.21
0.98	421.71	418.71	415.72	414.11
0.97	346.84	343.84	340.85	339.24
0.96	243.17	240.17	237.18	235.57
0.95	207.66	204.66	201.67	200.06
0.94	158.37	155.37	152.38	150.77
0.93	127.35	124.35	121.36	119.75
0.92	105.45	102.45	99.46	97.85
0.91	84.50	81.50	78.51	76.90
0.90	68.61	65.61	62.62	61.01
0.89	58.12	55.12	52.13	50.52
0.88	46.61	43.61	40.62	39.01
0.87	40.94	37.94	34.95	33.34
0.86	36.75	33.75	30.76	29.15
0.85	32.61	29.61	26.62	25.01
0.84	29.04	26.04	23.05	21.44
0.83	27.58	24.58	21.59	19.98
0.82	24.61	21.61	18.62	17.01
0.81	22.61	19.61	16.62	15.01
0.80	21.61	18.61	15.62	14.01
0.79	19.61	16.61	13.62	12.01
0.78	17.62	14.61	11.62	10.01
0.77	16.61	13.61	10.62	9.01
0.76	15.61	12.61	9.62	8.01
0.75	15.61	12.61	9.62	8.01
0.74	14.61	11.61	8.62	7.01
0.73	14.01	11.01	8.02	6.41
0.72	13.62	10.61	7.62	6.01
0.71	13.21	10.21	7.22	5.61
0.70	12.81	9.74	6.75	5.14
0.69	12.20	9.11	6.12	4.51
0.68	11.91	8.81	5.82	4.21
0.67	11.61	8.61	5.62	4.01
0.66	11.11	8.11	5.12	3.51
0.65	10.91	7.91	4.92	3.31
0.64	10.61	7.61	4.62	3.01
0.63	10.61	7.61	4.62	3.01
0.62	10.41	7.41	4.42	2.81
0.61	10.21	7.21	4.22	2.61
0.60	10.11	7.11	4.12	2.51
0.59	10.11	7.11	4.12	2.51
0.58	10.01	7.01	4.02	2.41
0.57	9.91	6.91	3.92	2.31
0.56	9.81	6.81	3.82	2.21
0.55	9.81	6.81	3.82	2.21
0.54	9.71	6.71	3.72	2.11
0.53	9.61	6.61	3.62	2.01
0.52	9.61	6.61	3.62	2.01
0.51	9.61	6.61	3.62	2.01

June

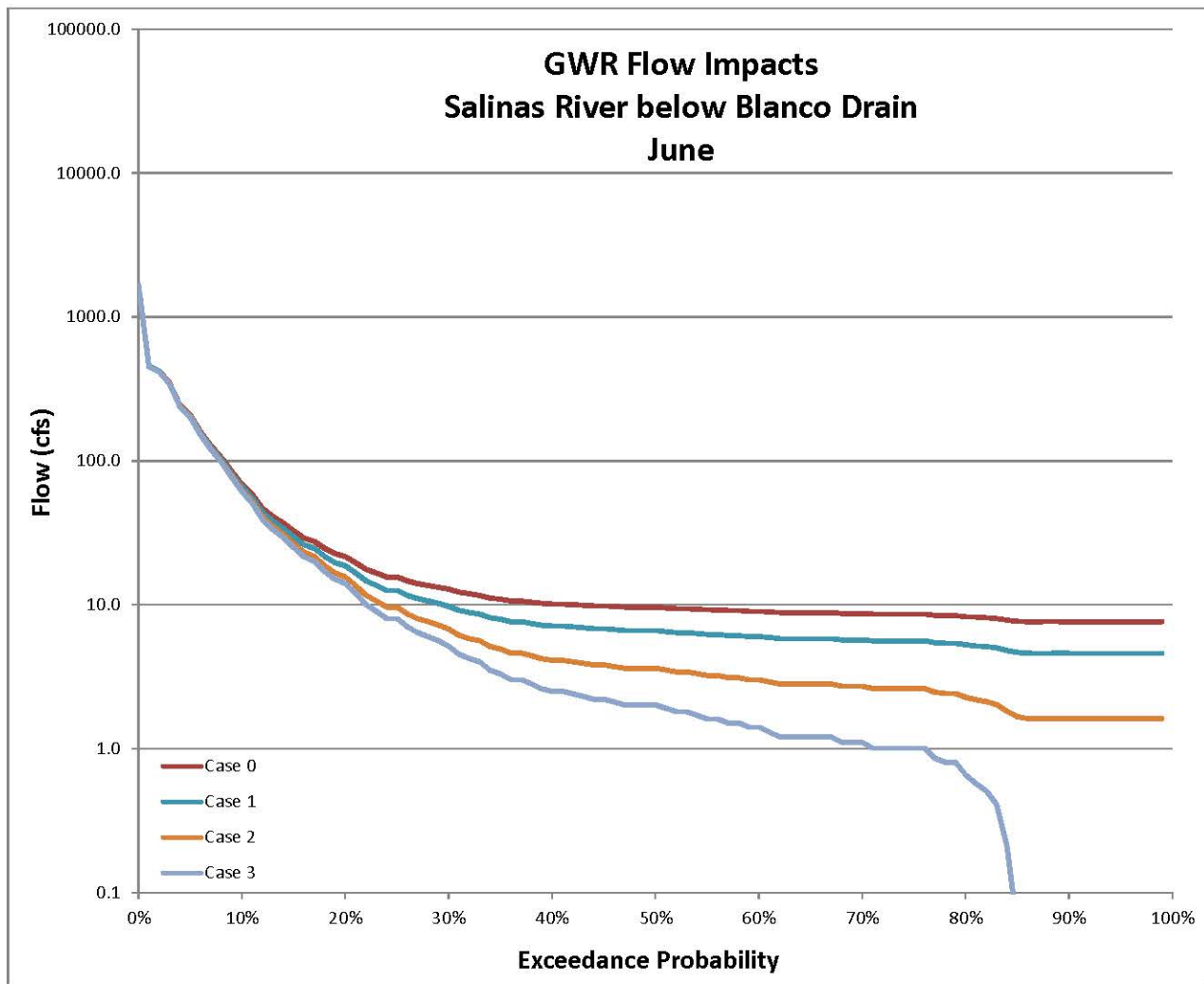
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	9.61	6.61	3.62	2.01
0.49	9.51	6.51	3.52	1.91
0.48	9.41	6.41	3.42	1.81
0.47	9.41	6.41	3.42	1.81
0.46	9.31	6.31	3.32	1.71
0.45	9.21	6.21	3.22	1.61
0.44	9.21	6.21	3.22	1.61
0.43	9.11	6.11	3.12	1.51
0.42	9.11	6.11	3.12	1.51
0.41	9.01	6.01	3.02	1.41
0.40	9.01	6.01	3.02	1.41
0.39	8.91	5.91	2.92	1.31
0.38	8.81	5.81	2.82	1.21
0.37	8.81	5.81	2.82	1.21
0.36	8.81	5.81	2.82	1.21
0.35	8.81	5.81	2.82	1.21
0.34	8.81	5.81	2.82	1.21
0.33	8.81	5.81	2.82	1.21
0.32	8.71	5.71	2.72	1.11
0.31	8.71	5.71	2.72	1.11
0.30	8.71	5.71	2.72	1.11
0.29	8.61	5.61	2.62	1.01
0.28	8.61	5.61	2.62	1.01
0.27	8.61	5.61	2.62	1.01
0.26	8.61	5.61	2.62	1.01
0.25	8.61	5.61	2.62	1.01
0.24	8.61	5.61	2.62	1.01
0.23	8.46	5.46	2.47	0.86
0.22	8.41	5.41	2.42	0.81
0.21	8.41	5.41	2.42	0.81
0.20	8.26	5.26	2.27	0.66
0.19	8.19	5.17	2.18	0.57
0.18	8.11	5.11	2.12	0.51
0.17	8.01	5.01	2.02	0.41
0.16	7.81	4.81	1.82	0.21
0.15	7.66	4.66	1.67	0.06
0.14	7.61	4.61	1.62	0.01
0.13	7.61	4.61	1.62	0.01
0.12	7.61	4.61	1.62	0.01
0.11	7.61	4.61	1.62	0.01
0.10	7.61	4.61	1.62	0.01
0.09	7.61	4.61	1.62	0.01
0.08	7.61	4.61	1.62	0.01
0.07	7.61	4.61	1.62	0.01
0.06	7.61	4.61	1.62	0.01
0.05	7.61	4.61	1.62	0.01
0.04	7.61	4.61	1.62	0.01
0.03	7.61	4.61	1.62	0.01
0.02	7.61	4.61	1.62	0.01
0.01	7.61	4.61	1.62	0.01

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plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

July

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	489.50	486.50	483.51	482.00
0.99	372.27	369.27	366.28	364.77
0.98	291.58	288.58	285.59	284.08
0.97	195.58	192.58	189.59	188.08
0.96	155.22	152.22	149.23	147.72
0.95	119.40	116.40	113.41	111.90
0.94	87.04	84.04	81.05	79.54
0.93	71.38	68.38	65.39	63.78
0.92	53.50	50.50	47.51	46.00
0.91	42.81	39.81	36.82	35.29
0.90	35.50	32.50	29.51	28.00
0.89	31.50	28.50	25.51	24.00
0.88	27.50	24.50	21.51	20.00
0.87	24.50	21.50	18.51	17.00
0.86	22.34	19.34	16.35	14.77
0.85	19.50	16.50	13.51	12.00
0.84	17.40	14.40	11.41	9.88
0.83	16.50	13.50	10.51	9.00
0.82	15.20	12.20	9.21	7.70
0.81	14.42	11.42	8.43	6.90
0.80	13.90	10.90	7.91	6.35
0.79	13.00	10.00	7.01	5.50
0.78	12.30	9.30	6.31	4.80
0.77	11.76	8.70	5.71	4.20
0.76	11.20	8.20	5.21	3.70
0.75	10.80	7.80	4.81	3.30
0.74	10.44	7.40	4.41	2.90
0.73	10.10	7.10	4.11	2.60
0.72	9.90	6.90	3.91	2.40
0.71	9.80	6.80	3.81	2.30
0.70	9.70	6.70	3.71	2.20
0.69	9.60	6.60	3.61	2.10
0.68	9.50	6.50	3.51	2.00
0.67	9.50	6.50	3.51	2.00
0.66	9.50	6.50	3.51	2.00
0.65	9.50	6.50	3.51	2.00
0.64	9.40	6.40	3.41	1.90
0.63	9.40	6.40	3.41	1.90
0.62	9.30	6.30	3.31	1.80
0.61	9.30	6.30	3.31	1.80
0.60	9.20	6.20	3.21	1.70
0.59	9.20	6.20	3.21	1.70
0.58	9.10	6.10	3.11	1.60
0.57	9.10	6.10	3.11	1.60
0.56	9.10	6.10	3.11	1.60
0.55	9.10	6.10	3.11	1.60
0.54	9.00	6.00	3.01	1.50
0.53	9.00	6.00	3.01	1.50
0.52	9.00	6.00	3.01	1.50
0.51	9.00	6.00	3.01	1.50

July

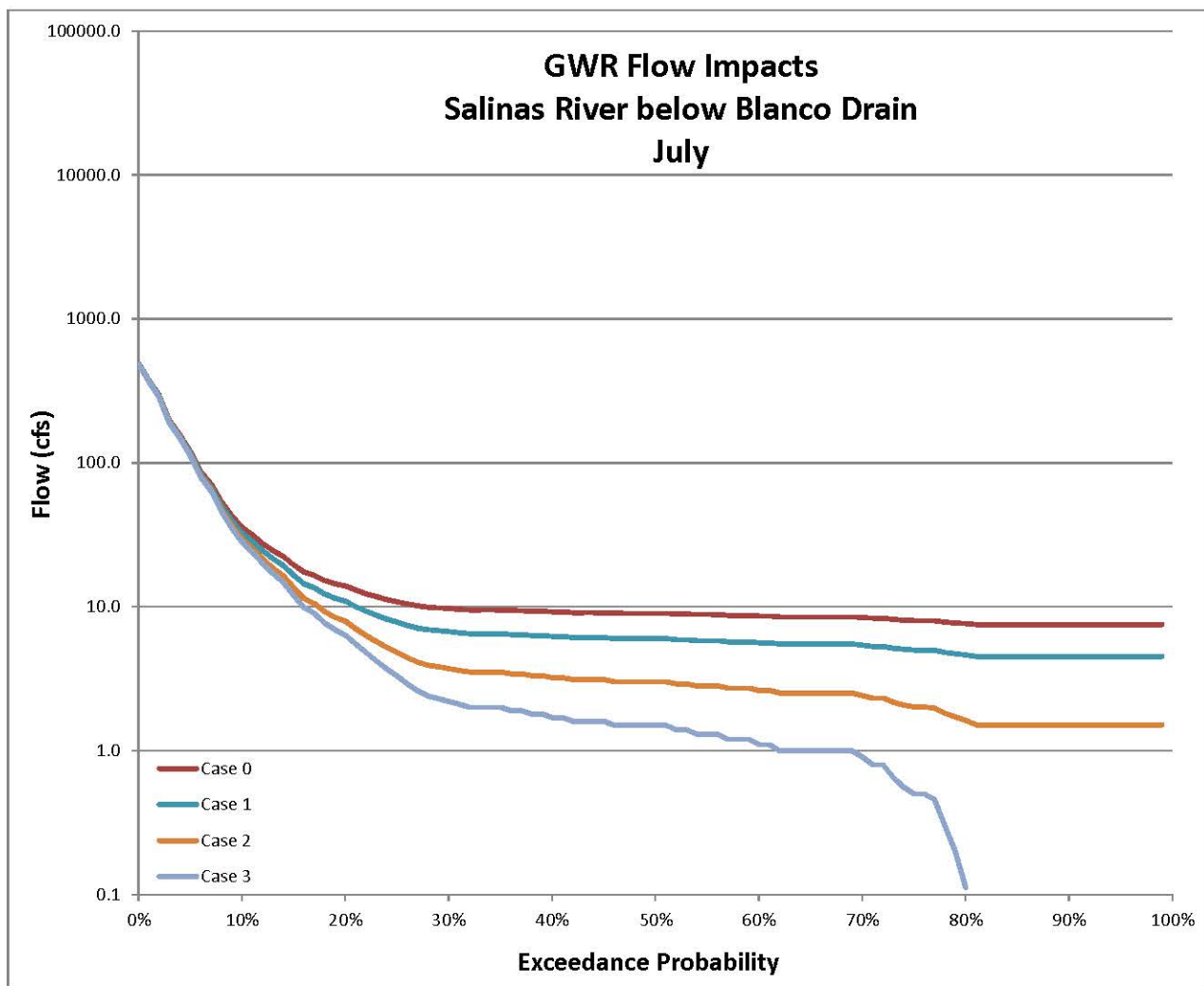
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	9.00	6.00	3.01	1.50
0.49	9.00	6.00	3.01	1.50
0.48	8.90	5.90	2.91	1.40
0.47	8.90	5.90	2.91	1.40
0.46	8.80	5.80	2.81	1.30
0.45	8.80	5.80	2.81	1.30
0.44	8.80	5.80	2.81	1.30
0.43	8.70	5.70	2.71	1.20
0.42	8.70	5.70	2.71	1.20
0.41	8.70	5.70	2.71	1.20
0.40	8.60	5.60	2.61	1.10
0.39	8.60	5.60	2.61	1.10
0.38	8.50	5.50	2.51	1.00
0.37	8.50	5.50	2.51	1.00
0.36	8.50	5.50	2.51	1.00
0.35	8.50	5.50	2.51	1.00
0.34	8.50	5.50	2.51	1.00
0.33	8.50	5.50	2.51	1.00
0.32	8.50	5.50	2.51	1.00
0.31	8.50	5.50	2.51	1.00
0.30	8.40	5.40	2.41	0.90
0.29	8.30	5.30	2.31	0.80
0.28	8.30	5.30	2.31	0.80
0.27	8.17	5.15	2.16	0.65
0.26	8.06	5.06	2.07	0.56
0.25	8.00	5.00	2.01	0.50
0.24	8.00	5.00	2.01	0.50
0.23	7.96	4.96	1.97	0.46
0.22	7.80	4.80	1.81	0.30
0.21	7.70	4.70	1.71	0.20
0.20	7.62	4.62	1.63	0.11
0.19	7.50	4.50	1.51	0.00
0.18	7.50	4.50	1.51	0.00
0.17	7.50	4.50	1.51	0.00
0.16	7.50	4.50	1.51	0.00
0.15	7.50	4.50	1.51	0.00
0.14	7.50	4.50	1.51	0.00
0.13	7.50	4.50	1.51	0.00
0.12	7.50	4.50	1.51	0.00
0.11	7.50	4.50	1.51	0.00
0.10	7.50	4.50	1.51	0.00
0.09	7.50	4.50	1.51	0.00
0.08	7.50	4.50	1.51	0.00
0.07	7.50	4.50	1.51	0.00
0.06	7.50	4.50	1.51	0.00
0.05	7.50	4.50	1.51	0.00
0.04	7.50	4.50	1.51	0.00
0.03	7.50	4.50	1.51	0.00
0.02	7.50	4.50	1.51	0.00
0.01	7.50	4.50	1.51	0.00

Case 0: No diversions (Base Condition).

Case 1: Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

Case 2: Divert both Salinas Stormwater and SIWTF; Divert up to 2.99 cfs from Blanco Drain.

Case 3: Divert both Salinas Stormwater and SIWTF; Divert up to 4.6 cfs from Blanco Drain.



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Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;
SRDF diversions balance extra flow at Spreckels during this period.

Total flow is the sum of the Salinas R. at Spreckels (USGS gage) plus storm runoff, plus SIWTF inflows,
plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

August

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	426.97	423.97	420.98	420.00
0.99	310.74	307.74	304.75	303.77
0.98	220.51	217.51	214.52	213.54
0.97	193.74	190.74	187.75	186.77
0.96	184.41	181.41	178.42	177.44
0.95	94.82	91.82	88.83	87.85
0.94	73.97	70.97	67.98	67.00
0.93	52.97	49.97	46.98	46.00
0.92	40.97	37.97	34.98	34.00
0.91	35.28	32.28	29.29	28.12
0.90	31.29	28.29	25.30	24.00
0.89	27.97	24.97	21.98	21.00
0.88	25.97	22.97	19.98	18.68
0.87	22.14	19.14	16.15	15.00
0.86	20.87	17.87	14.88	13.27
0.85	18.97	15.97	12.98	12.00
0.84	16.97	13.97	10.98	10.00
0.83	15.77	12.77	9.78	8.60
0.82	14.27	11.17	8.18	7.00
0.81	12.97	9.89	6.90	5.91
0.80	12.17	9.15	6.16	5.01
0.79	11.97	8.97	5.98	5.00
0.78	11.77	8.77	5.78	4.80
0.77	11.17	8.17	5.18	4.20
0.76	10.69	7.61	4.62	3.60
0.75	10.27	7.27	4.28	3.30
0.74	9.97	6.97	3.98	3.00
0.73	9.77	6.77	3.78	2.80
0.72	9.67	6.67	3.68	2.70
0.71	9.47	6.47	3.48	2.50
0.70	9.37	6.37	3.38	2.40
0.69	9.20	6.17	3.18	2.20
0.68	9.17	6.17	3.18	2.20
0.67	8.98	5.97	2.98	2.00
0.66	8.97	5.97	2.98	2.00
0.65	8.97	5.97	2.98	2.00
0.64	8.97	5.97	2.98	2.00
0.63	8.87	5.87	2.88	1.90
0.62	8.77	5.77	2.78	1.80
0.61	8.67	5.67	2.68	1.70
0.60	8.57	5.57	2.58	1.60
0.59	8.47	5.47	2.48	1.50
0.58	8.47	5.47	2.48	1.50
0.57	8.47	5.47	2.48	1.50
0.56	8.37	5.37	2.38	1.40
0.55	8.37	5.37	2.38	1.40
0.54	8.27	5.27	2.28	1.30
0.53	8.27	5.27	2.28	1.30
0.52	8.17	5.17	2.18	1.20
0.51	8.17	5.17	2.18	1.20

August

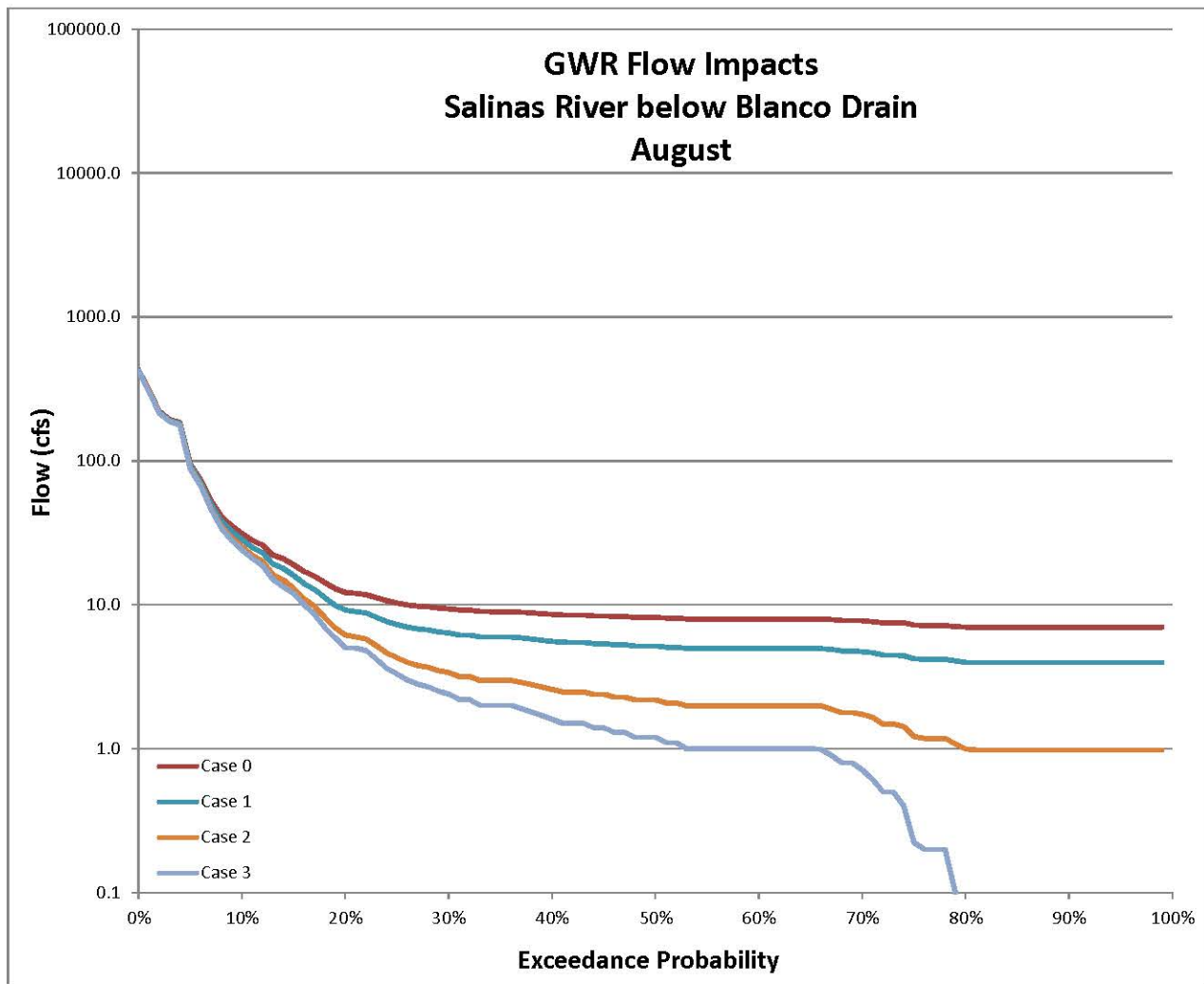
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	8.17	5.17	2.18	1.20
0.49	8.07	5.07	2.08	1.10
0.48	8.07	5.07	2.08	1.10
0.47	7.97	4.97	1.98	1.00
0.46	7.97	4.97	1.98	1.00
0.45	7.97	4.97	1.98	1.00
0.44	7.97	4.97	1.98	1.00
0.43	7.97	4.97	1.98	1.00
0.42	7.97	4.97	1.98	1.00
0.41	7.97	4.97	1.98	1.00
0.40	7.97	4.97	1.98	1.00
0.39	7.97	4.97	1.98	1.00
0.38	7.97	4.97	1.98	1.00
0.37	7.97	4.97	1.98	1.00
0.36	7.97	4.97	1.98	1.00
0.35	7.97	4.97	1.98	1.00
0.34	7.97	4.97	1.98	0.99
0.33	7.87	4.87	1.88	0.90
0.32	7.77	4.77	1.78	0.80
0.31	7.77	4.77	1.78	0.80
0.30	7.74	4.72	1.73	0.71
0.29	7.64	4.64	1.65	0.61
0.28	7.47	4.47	1.48	0.50
0.27	7.47	4.47	1.48	0.50
0.26	7.47	4.42	1.43	0.40
0.25	7.22	4.20	1.21	0.22
0.24	7.17	4.17	1.18	0.20
0.23	7.17	4.17	1.18	0.20
0.22	7.17	4.17	1.18	0.20
0.21	7.07	4.07	1.08	0.10
0.20	6.99	3.98	0.99	0.00
0.19	6.97	3.97	0.98	0.00
0.18	6.97	3.97	0.98	0.00
0.17	6.97	3.97	0.98	0.00
0.16	6.97	3.97	0.98	0.00
0.15	6.97	3.97	0.98	0.00
0.14	6.97	3.97	0.98	0.00
0.13	6.97	3.97	0.98	0.00
0.12	6.97	3.97	0.98	0.00
0.11	6.97	3.97	0.98	0.00
0.10	6.97	3.97	0.98	0.00
0.09	6.97	3.97	0.98	0.00
0.08	6.97	3.97	0.98	0.00
0.07	6.97	3.97	0.98	0.00
0.06	6.97	3.97	0.98	0.00
0.05	6.97	3.97	0.98	0.00
0.04	6.97	3.97	0.98	0.00
0.03	6.97	3.97	0.98	0.00
0.02	6.97	3.97	0.98	0.00
0.01	6.97	3.97	0.98	0.00

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Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;
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plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

September

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	507.09	504.09	501.10	501.00
0.99	415.32	412.32	409.33	409.23
0.98	374.09	371.09	368.10	368.00
0.97	250.78	247.78	244.79	244.69
0.96	192.37	187.73	184.74	184.64
0.95	143.14	140.14	137.15	137.05
0.94	122.09	119.09	116.10	116.00
0.93	105.09	102.09	99.10	99.00
0.92	87.65	84.65	81.66	81.56
0.91	66.09	63.09	60.10	60.00
0.90	53.09	50.09	47.10	47.00
0.89	40.38	37.09	34.10	34.00
0.88	34.07	30.89	27.90	27.23
0.87	30.09	26.91	23.92	23.82
0.86	27.09	24.04	21.10	21.00
0.85	24.09	21.09	18.11	18.00
0.84	21.09	18.09	15.10	15.00
0.83	18.77	15.77	12.95	12.00
0.82	15.88	12.88	9.89	9.22
0.81	14.08	11.08	8.09	7.88
0.80	13.09	10.09	7.10	7.00
0.79	12.19	9.11	6.16	6.00
0.78	12.09	9.09	6.10	6.00
0.77	12.09	9.09	6.10	6.00
0.76	11.61	8.59	5.60	5.50
0.75	11.39	8.39	5.40	5.10
0.74	10.99	7.89	4.90	4.80
0.73	10.59	7.49	4.50	4.40
0.72	10.39	7.29	4.30	4.20
0.71	10.09	7.09	4.10	4.00
0.70	10.09	7.09	4.10	4.00
0.69	9.79	6.79	3.80	3.70
0.68	9.79	6.79	3.80	3.70
0.67	9.59	6.59	3.60	3.50
0.66	9.49	6.48	3.49	3.39
0.65	9.29	6.29	3.30	3.20
0.64	9.16	6.09	3.10	3.00
0.63	9.09	6.09	3.10	3.00
0.62	9.09	6.09	3.10	3.00
0.61	8.99	5.99	3.00	2.90
0.60	8.89	5.80	2.81	2.70
0.59	8.69	5.69	2.70	2.60
0.58	8.49	5.49	2.50	2.40
0.57	8.39	5.39	2.40	2.30
0.56	8.29	5.29	2.30	2.20
0.55	8.29	5.29	2.30	2.20
0.54	8.19	5.19	2.20	2.10
0.53	8.19	5.19	2.20	2.10
0.52	8.09	5.09	2.10	2.00
0.51	8.09	5.09	2.10	2.00

September

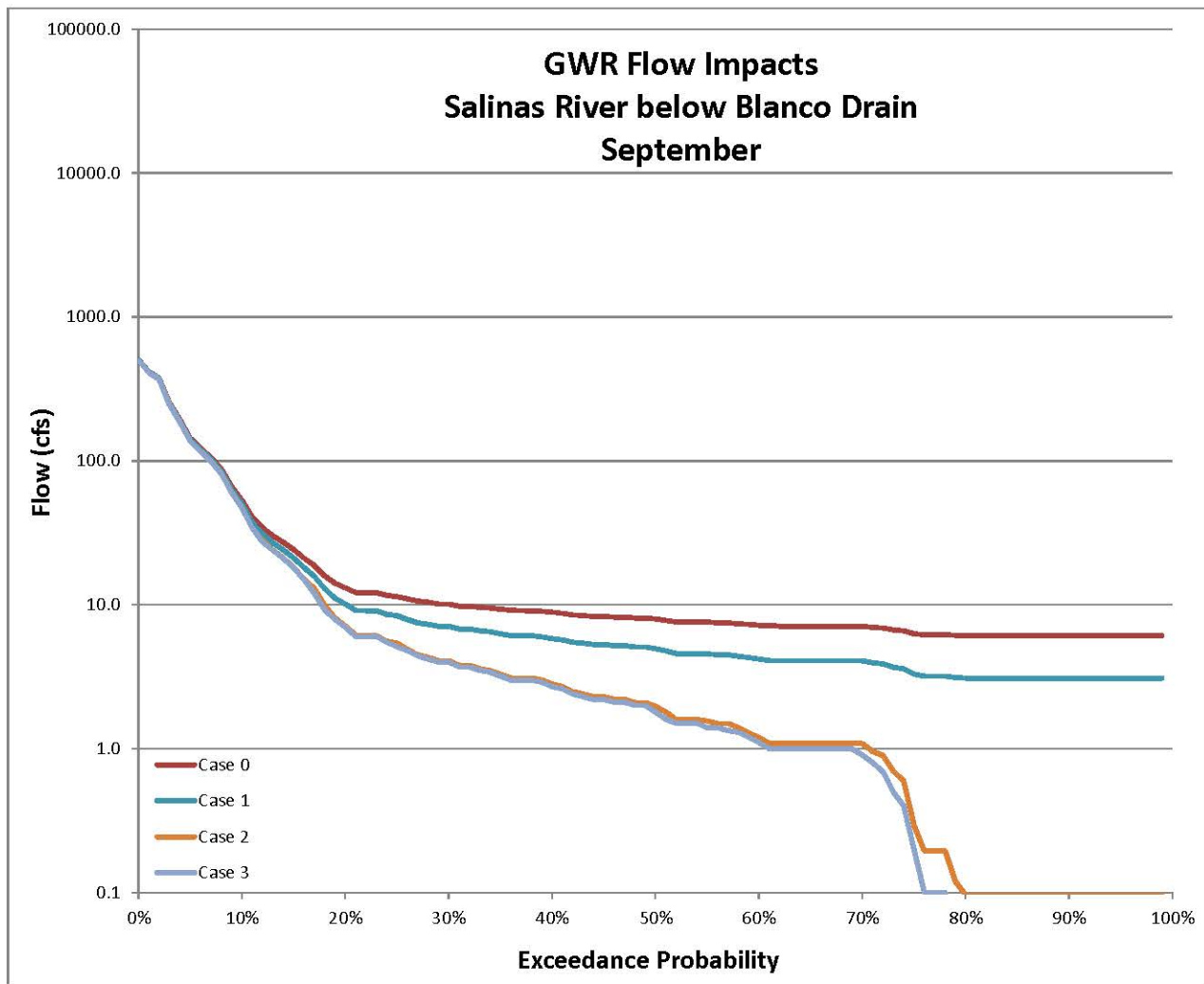
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	7.96	4.96	1.97	1.80
0.49	7.79	4.79	1.80	1.60
0.48	7.59	4.59	1.60	1.50
0.47	7.59	4.59	1.60	1.50
0.46	7.59	4.59	1.60	1.50
0.45	7.59	4.55	1.56	1.40
0.44	7.49	4.49	1.50	1.40
0.43	7.49	4.49	1.50	1.34
0.42	7.39	4.39	1.40	1.30
0.41	7.29	4.29	1.30	1.20
0.40	7.19	4.19	1.20	1.10
0.39	7.18	4.09	1.10	1.00
0.38	7.09	4.09	1.10	1.00
0.37	7.09	4.09	1.10	1.00
0.36	7.09	4.09	1.10	1.00
0.35	7.09	4.09	1.10	1.00
0.34	7.09	4.09	1.10	1.00
0.33	7.09	4.09	1.10	1.00
0.32	7.09	4.09	1.10	1.00
0.31	7.09	4.09	1.10	1.00
0.30	7.09	4.08	1.09	0.90
0.29	6.96	3.95	0.96	0.80
0.28	6.89	3.89	0.90	0.69
0.27	6.69	3.69	0.70	0.50
0.26	6.59	3.59	0.60	0.40
0.25	6.29	3.29	0.30	0.20
0.24	6.19	3.19	0.20	0.10
0.23	6.19	3.19	0.20	0.10
0.22	6.19	3.19	0.20	0.10
0.21	6.12	3.11	0.12	0.02
0.20	6.09	3.09	0.10	0.00
0.19	6.09	3.09	0.10	0.00
0.18	6.09	3.09	0.10	0.00
0.17	6.09	3.09	0.10	0.00
0.16	6.09	3.09	0.10	0.00
0.15	6.09	3.09	0.10	0.00
0.14	6.09	3.09	0.10	0.00
0.13	6.09	3.09	0.10	0.00
0.12	6.09	3.09	0.10	0.00
0.11	6.09	3.09	0.10	0.00
0.10	6.09	3.09	0.10	0.00
0.09	6.09	3.09	0.10	0.00
0.08	6.09	3.09	0.10	0.00
0.07	6.09	3.09	0.10	0.00
0.06	6.09	3.09	0.10	0.00
0.05	6.09	3.09	0.10	0.00
0.04	6.09	3.09	0.10	0.00
0.03	6.09	3.09	0.10	0.00
0.02	6.09	3.09	0.10	0.00
0.01	6.09	3.09	0.10	0.00

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plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

October

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	540.73	537.73	535.00	535.00
0.99	304.85	301.85	299.12	299.12
0.98	239.85	236.85	234.12	234.12
0.97	210.73	207.73	205.00	205.00
0.96	165.33	162.33	159.60	159.60
0.95	95.73	92.73	90.00	90.00
0.94	74.73	71.73	69.00	69.00
0.93	67.73	64.73	62.00	62.00
0.92	59.73	56.73	54.00	54.00
0.91	53.73	50.13	47.39	47.39
0.90	45.73	42.53	39.80	39.80
0.89	40.73	37.73	35.00	35.00
0.88	36.73	33.73	31.00	31.00
0.87	32.73	29.73	27.00	27.00
0.86	30.71	26.65	23.92	23.92
0.85	26.44	22.73	20.00	20.00
0.84	23.73	20.73	18.00	18.00
0.83	22.49	18.73	16.00	16.00
0.82	20.73	17.73	15.00	15.00
0.81	19.73	16.09	13.72	13.72
0.80	18.73	14.73	12.00	12.00
0.79	17.73	14.73	12.00	12.00
0.78	17.73	14.73	12.00	12.00
0.77	17.41	13.73	11.00	11.00
0.76	15.73	12.73	10.00	10.00
0.75	15.23	11.93	9.20	9.20
0.74	14.73	11.33	8.60	8.60
0.73	14.23	11.09	8.36	8.30
0.72	13.73	10.73	8.00	8.00
0.71	13.73	10.43	7.81	7.81
0.70	13.15	9.73	7.00	7.00
0.69	12.73	9.73	7.00	7.00
0.68	12.33	9.23	6.50	6.50
0.67	12.06	8.73	6.00	6.00
0.66	11.69	8.29	5.60	5.60
0.65	11.13	7.73	5.00	5.00
0.64	10.63	7.24	4.60	4.60
0.63	10.23	6.93	4.30	4.30
0.62	9.80	6.53	3.80	3.80
0.61	9.43	6.23	3.50	3.50
0.60	9.23	6.23	3.50	3.50
0.59	9.23	6.13	3.40	3.40
0.58	9.03	5.83	3.10	3.10
0.57	8.83	5.73	3.00	3.00
0.56	8.55	5.53	2.80	2.80
0.55	8.43	5.43	2.70	2.70
0.54	8.33	5.33	2.60	2.60
0.53	8.33	5.23	2.50	2.50
0.52	8.23	5.23	2.50	2.50
0.51	8.23	5.13	2.40	2.40

October

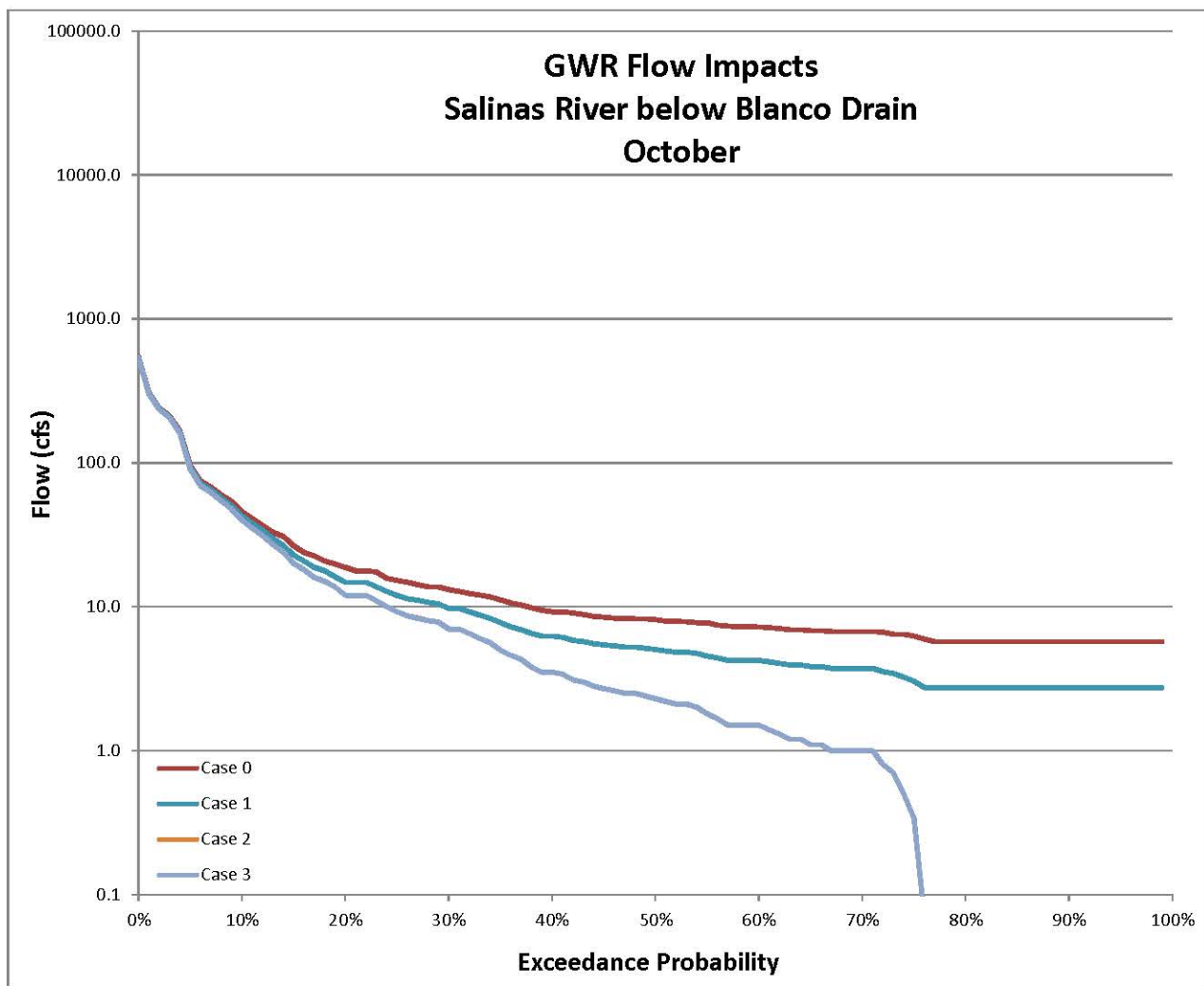
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	8.13	5.03	2.30	2.30
0.49	7.93	4.93	2.20	2.20
0.48	7.93	4.83	2.10	2.10
0.47	7.83	4.83	2.10	2.10
0.46	7.73	4.73	2.00	2.00
0.45	7.73	4.53	1.80	1.80
0.44	7.43	4.40	1.67	1.67
0.43	7.33	4.23	1.50	1.50
0.42	7.23	4.23	1.50	1.50
0.41	7.23	4.23	1.50	1.50
0.40	7.23	4.23	1.50	1.50
0.39	7.14	4.13	1.40	1.40
0.38	7.03	4.03	1.30	1.30
0.37	6.93	3.93	1.20	1.20
0.36	6.93	3.93	1.20	1.20
0.35	6.83	3.83	1.10	1.10
0.34	6.83	3.83	1.10	1.10
0.33	6.73	3.73	1.00	1.00
0.32	6.73	3.73	1.00	1.00
0.31	6.73	3.73	1.00	1.00
0.30	6.73	3.73	1.00	1.00
0.29	6.73	3.73	1.00	1.00
0.28	6.67	3.53	0.80	0.80
0.27	6.43	3.43	0.70	0.70
0.26	6.42	3.23	0.50	0.50
0.25	6.23	3.03	0.34	0.34
0.24	5.95	2.75	0.07	0.07
0.23	5.73	2.73	0.00	0.00
0.22	5.73	2.73	0.00	0.00
0.21	5.73	2.73	0.00	0.00
0.20	5.73	2.73	0.00	0.00
0.19	5.73	2.73	0.00	0.00
0.18	5.73	2.73	0.00	0.00
0.17	5.73	2.73	0.00	0.00
0.16	5.73	2.73	0.00	0.00
0.15	5.73	2.73	0.00	0.00
0.14	5.73	2.73	0.00	0.00
0.13	5.73	2.73	0.00	0.00
0.12	5.73	2.73	0.00	0.00
0.11	5.73	2.73	0.00	0.00
0.10	5.73	2.73	0.00	0.00
0.09	5.73	2.73	0.00	0.00
0.08	5.73	2.73	0.00	0.00
0.07	5.73	2.73	0.00	0.00
0.06	5.73	2.73	0.00	0.00
0.05	5.73	2.73	0.00	0.00
0.04	5.73	2.73	0.00	0.00
0.03	5.73	2.73	0.00	0.00
0.02	5.73	2.73	0.00	0.00
0.01	5.73	2.73	0.00	0.00

Case 0: No diversions (Base Condition).

Case 1: Divert both Salinas Stormwater and SIWTF; No Blanco Drain diversions.

Case 2: Divert both Salinas Stormwater and SIWTF; Divert up to 2.99 cfs from Blanco Drain.

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Case 3 Divert both Salinas Stormwater and SIWTF; Divert up to 4.6 cfs from Blanco Drain.

Note:

Measurement point for all cases is Salinas River just downstream of confluence with Blanco Drain.

SRDF diversions (from Salinas River behind rubber dam) occurred 2010-2013 for all cases above;
SRDF diversions balance extra flow at Spreckels during this period.

Total flow is the sum of the Salinas R. at Spreckels (USGS gage) plus storm runoff, plus SIWTF inflows,
plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

November

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	1265.31	1262.23	1260.00	1260.00
0.99	348.75	341.78	339.55	339.55
0.98	315.11	312.11	309.88	309.88
0.97	277.79	274.56	272.33	272.33
0.96	228.11	224.67	222.44	222.44
0.95	139.98	136.98	134.75	134.75
0.94	114.55	111.55	109.32	109.32
0.93	96.77	92.23	90.00	90.00
0.92	83.23	80.23	78.00	78.00
0.91	73.23	69.23	67.00	67.00
0.90	65.23	61.23	59.00	59.00
0.89	58.26	52.44	50.21	50.21
0.88	50.23	47.23	45.00	45.00
0.87	42.37	37.23	35.00	35.00
0.86	35.38	30.77	28.54	28.54
0.85	31.09	27.23	25.00	25.00
0.84	28.23	24.23	22.00	22.00
0.83	26.23	22.23	20.00	20.00
0.82	25.23	21.23	19.00	19.00
0.81	23.72	20.23	18.00	18.00
0.80	23.23	19.23	17.00	17.00
0.79	22.23	18.23	16.00	16.00
0.78	20.96	17.23	15.00	15.00
0.77	20.23	17.23	15.00	15.00
0.76	19.23	16.23	14.00	14.00
0.75	19.23	16.23	14.00	14.00
0.74	19.23	15.23	13.00	13.00
0.73	18.23	14.23	12.00	12.00
0.72	17.23	14.23	12.00	12.00
0.71	17.23	14.23	12.00	12.00
0.70	17.23	13.23	11.00	11.00
0.69	16.23	13.23	11.00	11.00
0.68	15.23	11.73	9.50	9.50
0.67	14.73	11.60	9.36	9.36
0.66	14.23	10.73	8.50	8.50
0.65	13.63	10.13	7.90	7.90
0.64	13.13	9.93	7.70	7.70
0.63	12.93	9.73	7.50	7.50
0.62	12.73	9.45	7.22	7.22
0.61	12.31	8.73	6.50	6.50
0.60	11.82	8.43	6.20	6.20
0.59	11.43	8.23	6.00	6.00
0.58	11.23	7.83	5.60	5.60
0.57	10.83	7.41	5.17	5.17
0.56	10.52	7.22	4.98	4.98
0.55	10.23	6.93	4.70	4.70
0.54	9.93	6.54	4.31	4.31
0.53	9.63	6.23	4.00	4.00
0.52	9.23	5.93	3.70	3.70
0.51	9.03	5.53	3.30	3.30

November

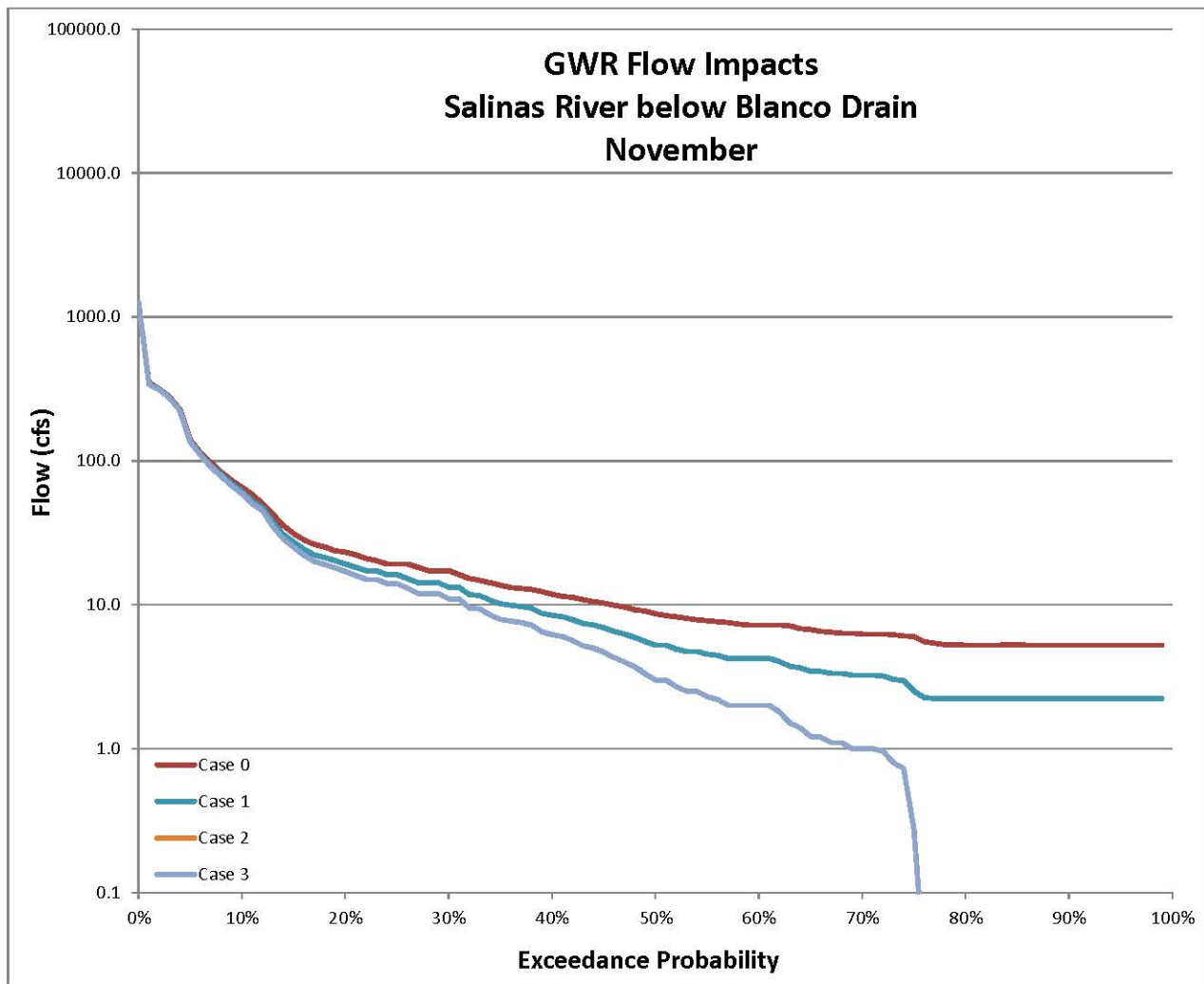
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	8.63	5.23	3.00	3.00
0.49	8.40	5.23	3.00	3.00
0.48	8.23	4.93	2.70	2.70
0.47	8.03	4.73	2.50	2.50
0.46	7.83	4.73	2.50	2.50
0.45	7.73	4.53	2.30	2.30
0.44	7.63	4.43	2.20	2.20
0.43	7.51	4.23	2.00	2.00
0.42	7.33	4.23	2.00	2.00
0.41	7.23	4.23	2.00	2.00
0.40	7.23	4.23	2.00	2.00
0.39	7.23	4.23	2.00	2.00
0.38	7.23	4.03	1.80	1.80
0.37	7.13	3.73	1.50	1.50
0.36	6.83	3.63	1.40	1.40
0.35	6.73	3.45	1.21	1.21
0.34	6.53	3.43	1.20	1.20
0.33	6.43	3.33	1.10	1.10
0.32	6.33	3.33	1.10	1.10
0.31	6.33	3.23	1.00	1.00
0.30	6.23	3.23	1.00	1.00
0.29	6.23	3.23	1.00	1.00
0.28	6.23	3.19	0.96	0.96
0.27	6.19	3.03	0.80	0.80
0.26	6.06	2.96	0.73	0.73
0.25	6.01	2.51	0.27	0.27
0.24	5.54	2.26	0.03	0.03
0.23	5.40	2.23	0.01	0.01
0.22	5.26	2.23	0.00	0.00
0.21	5.23	2.23	0.00	0.00
0.20	5.23	2.23	0.00	0.00
0.19	5.23	2.23	0.00	0.00
0.18	5.23	2.23	0.00	0.00
0.17	5.23	2.23	0.00	0.00
0.16	5.23	2.23	0.00	0.00
0.15	5.23	2.23	0.00	0.00
0.14	5.23	2.23	0.00	0.00
0.13	5.23	2.23	0.00	0.00
0.12	5.23	2.23	0.00	0.00
0.11	5.23	2.23	0.00	0.00
0.10	5.23	2.23	0.00	0.00
0.09	5.23	2.23	0.00	0.00
0.08	5.23	2.23	0.00	0.00
0.07	5.23	2.23	0.00	0.00
0.06	5.23	2.23	0.00	0.00
0.05	5.23	2.23	0.00	0.00
0.04	5.23	2.23	0.00	0.00
0.03	5.23	2.23	0.00	0.00
0.02	5.23	2.23	0.00	0.00
0.01	5.23	2.23	0.00	0.00

Case 0: No diversions (Base Condition).

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Note:

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plus flow in from Blanco Drain, minus SRDF diversions and stormwater capture.

Salinas River below Blanco Drain, Percentile Flows by Month (cfs)

December

Percentile	Case 0:	Case 1:	Case 2:	Case 3:
1.00	39606.01	39603.01	39600.02	39600.00
0.99	4780.81	4777.81	4774.82	4774.80
0.98	3076.23	3059.70	3056.71	3056.69
0.97	1896.81	1893.81	1890.82	1890.80
0.96	1047.48	1044.21	1041.22	1041.20
0.95	721.01	718.01	715.02	715.00
0.94	549.69	546.69	543.70	543.68
0.93	459.01	448.85	445.86	445.84
0.92	358.45	355.45	352.46	352.44
0.91	306.74	303.09	300.10	300.08
0.90	275.01	272.01	269.02	269.00
0.89	232.09	229.09	226.10	226.08
0.88	203.09	198.37	195.38	195.36
0.87	160.96	154.65	151.66	151.64
0.86	125.77	122.77	119.78	119.76
0.85	101.21	98.21	95.22	95.20
0.84	91.49	88.49	85.50	85.48
0.83	81.92	77.01	74.02	74.00
0.82	73.01	68.05	65.06	65.04
0.81	64.01	60.01	57.02	57.00
0.80	58.01	55.01	52.02	52.00
0.79	55.01	51.89	48.90	48.88
0.78	52.01	49.01	46.02	46.00
0.77	50.01	45.45	42.46	42.44
0.76	44.80	41.01	38.02	38.00
0.75	40.01	35.01	32.02	32.00
0.74	37.01	33.01	30.02	30.00
0.73	35.01	31.01	28.02	28.00
0.72	32.94	28.01	25.02	25.00
0.71	31.01	26.01	23.02	23.00
0.70	29.01	24.01	21.02	21.00
0.69	27.01	22.01	19.02	19.00
0.68	25.01	21.01	18.02	18.00
0.67	24.01	20.01	17.02	17.00
0.66	23.01	19.01	16.02	16.00
0.65	22.01	18.01	15.02	15.00
0.64	21.83	17.01	14.02	14.00
0.63	20.33	16.01	13.02	13.00
0.62	19.04	16.01	13.02	13.00
0.61	19.01	16.01	13.02	13.00
0.60	19.01	15.01	12.02	12.00
0.59	18.11	15.01	12.02	12.00
0.58	18.01	14.01	11.02	11.00
0.57	17.12	14.01	11.02	11.00
0.56	17.01	13.01	10.02	10.00
0.55	16.44	11.97	8.98	8.96
0.54	15.75	11.30	8.31	8.29
0.53	14.81	11.01	8.02	8.00
0.52	14.23	10.95	7.96	7.94
0.51	14.01	10.41	7.42	7.40

December

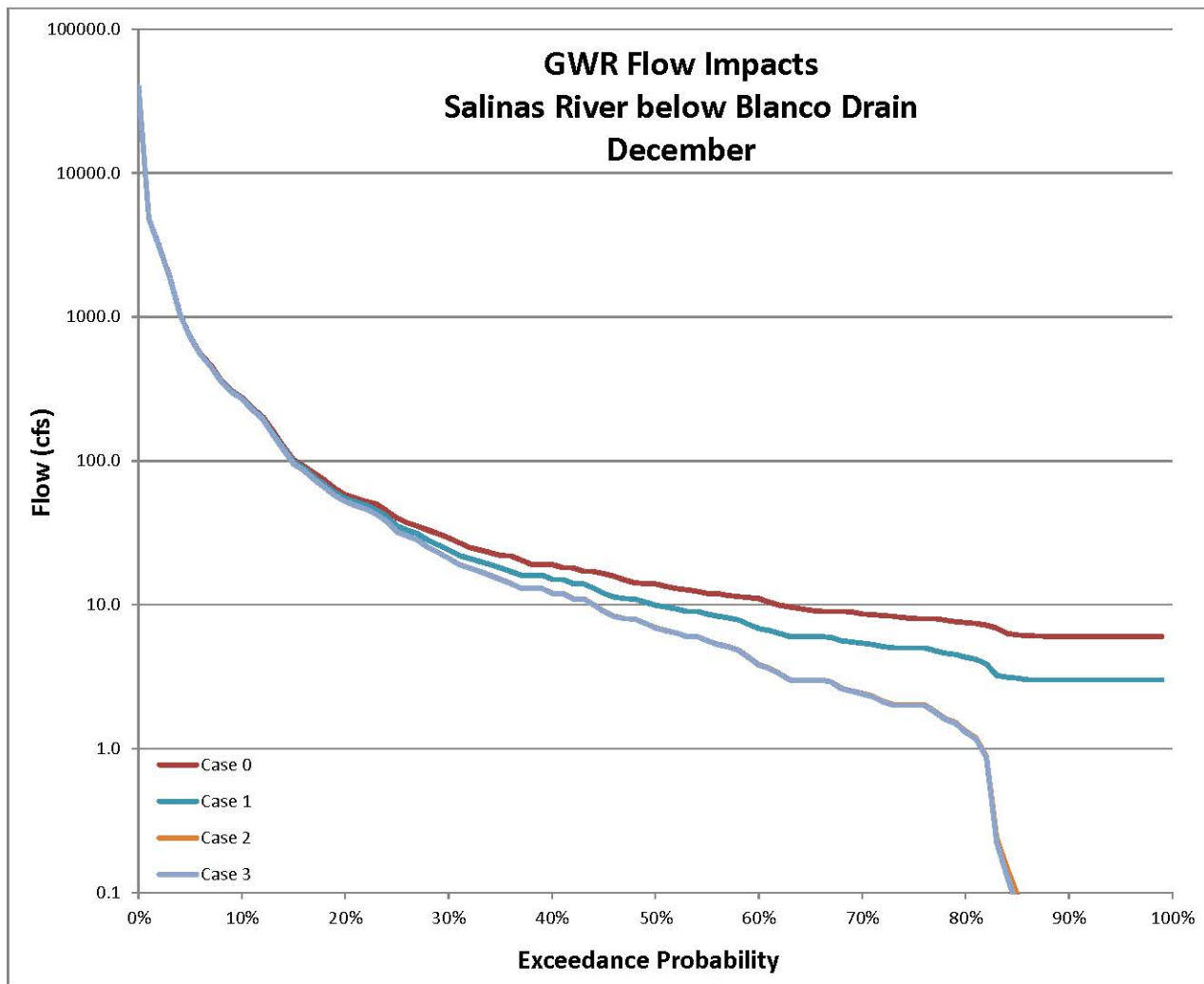
Percentile	Case 0:	Case 1:	Case 2:	Case 3:
0.50	13.91	9.91	6.92	6.90
0.49	13.41	9.61	6.62	6.60
0.48	12.98	9.36	6.37	6.36
0.47	12.69	9.01	6.02	6.00
0.46	12.41	9.01	6.02	6.00
0.45	12.01	8.61	5.62	5.60
0.44	12.01	8.31	5.32	5.30
0.43	11.61	8.11	5.12	5.10
0.42	11.41	7.83	4.84	4.82
0.41	11.21	7.31	4.32	4.30
0.40	11.01	6.81	3.82	3.80
0.39	10.41	6.61	3.62	3.60
0.38	9.91	6.31	3.32	3.30
0.37	9.62	6.01	3.02	3.00
0.36	9.41	6.01	3.02	3.00
0.35	9.11	6.01	3.02	3.00
0.34	9.01	6.01	3.02	3.00
0.33	9.01	5.91	2.92	2.90
0.32	9.01	5.61	2.62	2.60
0.31	8.91	5.51	2.52	2.50
0.30	8.61	5.41	2.42	2.40
0.29	8.51	5.31	2.32	2.30
0.28	8.41	5.12	2.13	2.12
0.27	8.31	5.01	2.02	2.00
0.26	8.11	5.01	2.02	2.00
0.25	8.01	5.01	2.02	2.00
0.24	8.01	5.01	2.02	2.00
0.23	8.01	4.81	1.82	1.80
0.22	7.81	4.61	1.62	1.60
0.21	7.61	4.51	1.52	1.50
0.20	7.51	4.31	1.32	1.30
0.19	7.41	4.18	1.19	1.17
0.18	7.21	3.88	0.89	0.87
0.17	6.90	3.23	0.24	0.22
0.16	6.32	3.14	0.15	0.13
0.15	6.16	3.09	0.10	0.08
0.14	6.10	3.01	0.02	0.00
0.13	6.03	3.01	0.02	0.00
0.12	6.01	3.01	0.02	0.00
0.11	6.01	3.01	0.02	0.00
0.10	6.01	3.01	0.02	0.00
0.09	6.01	3.01	0.02	0.00
0.08	6.01	3.01	0.02	0.00
0.07	6.01	3.01	0.02	0.00
0.06	6.01	3.01	0.02	0.00
0.05	6.01	3.01	0.02	0.00
0.04	6.01	3.01	0.02	0.00
0.03	6.01	3.01	0.02	0.00
0.02	6.01	3.01	0.02	0.00
0.01	6.01	3.01	0.02	0.00

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Appendix D: References

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