



# NOTICE OF MEETING & AGENDA

## NACIMIENTO PROJECT COMMISSION

THURS., NOV. 21, 2019 – 4:00 PM

Templeton CSD Office – 420 Crocker St., Templeton, CA 93465

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*NACIMIENTO PROJECT COMMISSION*

*City of Paso Robles, Templeton CSD, Atascadero MWC, City of San Luis Obispo,  
SLO County Flood Control & Water Conservation District*

### AGENDA

1. CALL TO ORDER
  - a. Roll Call & Flag Salute
  
2. PUBLIC COMMENT  
*\*To address the Commission on non-agenda items; individuals subject to three-minute time limit.*
  
3. MEETING NOTES (Recommend Approval)
  - a. May & August meetings were canceled (Information Packets only)
  
4. COMMISSION INFORMATION ITEMS (No Action Required)  
*\*Written reports with brief verbal overview by staff or consultant.*
  - a. 2020 Calendar of Activities
  - b. First Quarter Operations Budget Report
  - c. Utilities Division Manager's Report
  
5. PRESENTATIONS (No Action Required): None
6. COMMISSION ACTION ITEMS (No Subsequent Action by BOS Required): None
7. COMMISSION ACTION ITEMS (Action Subsequently Required by BOS): None
8. FUTURE AGENDA ITEMS DESIRED BY COMMISSION
  - **Next Commission Meeting:** FEB 27, 2020

### ATTACHMENTS

1. 2020 Calendar of Activities
2. First Quarter Operations Budget Report
3. Utilities Division Manager's Report



## 2020 CALENDAR OF ACTIVITIES

NACIMIENTO PROJECT COMMISSION & TECHNICAL SUPPORT GROUP (TSG)

**TSG** (Participants & District Staff Only): Monthly, Thursdays at 2:00 PM (on dates & locations listed).

**Commission** (Public Meetings): Quarterly, Thursdays at 4:00 PM at Templeton CSD (on dates listed).

<p><u>JAN</u>  <b>TSG</b> – Jan 9, Atascadero   <b>Commission</b> – Dark</p>	<p><u>FEB</u>  <b>TSG</b> – Feb 13, Paso Robles   <b>Commission</b> – Feb 27  <i>Annual election of Chair &amp; Vice Chair; COI forms and proposal of draft FY 20-21 budget.</i></p>	<p><u>MAR</u>  <b>TSG &amp; Finance Committee</b> – Mar 12, Booster Station   <b>Commission</b> – Dark</p>
<p><u>APR</u>  <b>TSG</b> – Apr 9, Atascadero   <b>Commission</b> – Apr 23            Budget approval (<i>special mtg.</i>)</p>	<p><u>MAY</u>  <b>TSG</b> – May 14, Paso Robles   <b>Commission</b> – May 28</p>	<p><u>JUN</u>  <b>TSG</b> – Jun 11, Booster Station   <b>Commission</b> – Dark</p>
<p><u>JUL</u>  <b>TSG</b> – Jul 9, Atascadero   <b>Commission</b> – Dark</p>	<p><u>AUG</u>  <b>TSG</b> – Aug 13, Paso Robles   <b>Commission</b> – Aug 27</p>	<p><u>SEP</u>  <b>TSG</b> – Sep 10, Booster Station  <i>Reminder: Request for 2021-2023 water delivery schedules.</i>   <b>Commission</b> – Dark</p>
<p><u>OCT</u>  <b>TSG</b> – Oct 8, Atascadero   <b>Commission</b> – Dark</p>	<p><u>NOV</u>  <b>TSG</b> – Nov 5, Paso Robles   <b>Commission</b> – Nov 19</p>	<p><u>DEC</u>  <b>TSG</b> – Dec 10, Booster Station   <b>Commission</b> – Dark</p>

**\*Meeting logistics are subject to change.** Please contact County Public Works at 805-781-5252 or [pwd@co.slo.ca.us](mailto:pwd@co.slo.ca.us) for confirmation of date, location & time.



SAN LUIS OBISPO COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT  
**NACIMIENTO WATER PROJECT**

(Informational Only)

**TO:** Nacimiento Project Commission  
**FROM:** Joanne Hilker, Administrative Services Manager  
**VIA:** John Waddell, Utilities Division Manager  
**DATE:** November 21, 2019  
**SUBJECT:** Agenda Item 4b – First Quarter Operations Budget Update

Figures summarizing the Fiscal Year 2019-20 First Quarterly Operating Fund Budget are provided for your information. With 25% of the year elapsed, total expenditures and purchase order commitments are at 12.9% of budget. This includes Non-Routine projects and Capital Outlay projects that fluctuate during the fiscal year. More notably, annual Routine Operations and Maintenance efforts are a little lower than budgeted levels at 16.6% of the budget.

		<u>Budget</u>	<u>Expenses &amp; Purchase Orders</u>	<u>Expenses and Purchase Orders as a % of Budget</u>	<u>Balance Available</u>
	Routine O&M	2,797,250	463,679	16.6%	2,333,571
	Non Routine O&M Projects	2,078,921	222,600	10.7%	1,856,321
	Capital Outlay Projects	707,743	34,889	4.9%	672,854
	<b>Total</b>	<b>5,583,914</b>	<b>721,168</b>	<b>12.9%</b>	<b>4,862,746</b>
[a]	Variable Energy	2,528,150	381,855	15.1%	2,146,295

[a] PG&E invoices for Variable Energy usage. Costs are billed to participants based upon actual usage, and are not included in Participants' Installment Billings or Final Billings.

If you have any questions, please feel free to contact me at (805) 781-1584 or via e-mail at [jhilker@co.slo.ca.us](mailto:jhilker@co.slo.ca.us). Staff will be available to answer specific questions at the meeting.

**Nacimienta Water Operating Fund  
Budget Status Report  
FY 2019-20**

A	B	C	D	E	F	G	H	I	J	K	L	M
carry			Budget	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total	Purchase	Total Expenses	Exps & POs	Available
fund		WBS Element	FY 2019-20	July-Sep	Oct-Dec	Jan-March	April-June	Expenses	Orders (POs)	and POs	% of Budget	Budget
1		<b>Routine Operation and Maintenance</b>										
2		MASTER WATER CONTRACT	300420.01.03	\$ 479,340	\$ -			\$ -		-	0.0%	\$ 479,340
3		WATER CONSERVATION MANAGEMENT	300420.04	-	3,017			3,017		3,017	0.0%	(3,017)
4		WATER QUALITY SUPPORT/ANALYSIS	420.05 & 300420.06/06.01.03/06.02/06.0	145,026	33,993			33,993		33,993	23.4%	\$ 111,033
5		REGULATORY AGENCY/DPH	300420.02	9,338	-			-		-	0.0%	9,338
6		INVASIVE SPECIES/QUAGGA MUSSEL	300420.06.01.01/06.01.02/ 09.02	98,697	13,901			13,901		13,901	14.1%	\$ 84,796
7		ENVIRONMENTAL MITIGATION	300420.09/09.01	1,271	-			-		-	0.0%	1,271
8		UTILITIES OPERATIONS AND OFFICE ENGINEERING	300420.07	164,475	46,103			46,103		46,103	28.0%	\$ 118,372
9		LAKESIDE CONTRACTS	300420.01.05	12,785	3,583			3,583		3,583	28.0%	9,202
10		WATER RIGHTS	300420.01.04	-	-			-		-	0.0%	-
11		GENERAL-ACCOUNTING	300420.01	209,966	31,885			31,885		31,885	15.2%	178,081
12		COUNTY WIDE OVERHEAD	300420.01.01	84,657	24,914			24,914		24,914	29.4%	59,743
13		CONTRIBUTION TO ISF/NEW EQUIP	300420.01.02	51,345	-			-		-	0.0%	51,345
14		GENERAL UNITS	300420.10	159,838	27,770			27,770	7	27,777	17.4%	132,061
15		UNIT A	300420.10.A	237,505	50,770			50,770	1,507	52,277	22.0%	185,228
16		UNIT A1	300420.10.A1	53,142	3,053			3,053	1,193	4,246	8.0%	48,897
17		UNIT B	300420.10.B	174,541	21,697			21,697		21,697	12.4%	152,844
18		UNIT C	300420.10.C	32,125	5,275			5,275		5,275	16.4%	26,850
19		UNIT C1	300420.10.C1	33,658	6,753			6,753		6,753	20.1%	26,905
20		UNIT D	300420.10.D	21,326	1,171			1,171		1,171	5.5%	20,155
21		UNIT E	300420.10.E	20,342	3,319			3,319		3,319	16.3%	17,023
22		UNIT F	300420.10.F	20,476	998			998		998	4.9%	19,478
23		UNIT F1	300420.10.F1	18,646	2,450			2,450		2,450	13.1%	16,196
24		UNIT F2	300420.10.F2	144,892	23,283			23,283	900	24,183	16.7%	120,709
25		UNIT G	300420.10.G	28,265	7,825			7,825		7,825	27.7%	20,440
26		UNIT G1	300420.10.G1	29,309	1,963			1,963		1,963	6.7%	27,346
27		UNIT G2	300420.10.G2	19,816	4,116			4,116		4,116	20.8%	15,700
28		UNIT H	300420.10.H	3,143	-			-		-	0.0%	3,143
29		UNIT H1	300420.10.H1	27,531	-			-		-	0.0%	27,531
30		UNIT T-2	300420.10.T2	47,198	754			754		754	1.6%	46,445
31		UNIT T-4	300420.10.T4	11,974	3,800			3,800		3,800	31.7%	8,174
32		UNIT T-6	300420.10.T6	12,432	465			465		465	3.7%	11,967
33		UNIT T-9	300420.10.T9	9,341	-			-	117	117	1.3%	9,224
34		UNIT T-11/11A	300420.10.T11/11A	30,566	1,115			1,115		1,115	3.6%	29,450
35		UNIT T-11B	300420.10.T11B	-	-			-		-	0.0%	-
36		REIMBURSABLE BILLINGS	300420.11	-	766			766		766	0.0%	(766)
37		REIMB BILLINGS: EMERGENCY WTR LINE BREAK MAY 2018	300420.11.20/40163744	-	-			-		-	-	-
38		NACI WATER SALE PROGRAM	300420.12	21,471	-			-	86,911	86,911	404.8%	(65,440)
39		LEGAL	300420.10.A1.01/300420.10.G.1	382,813	48,304			48,304		48,304	12.6%	\$ 334,509
40		<b>SUBTOTAL: ROUTINE OPERATIONS AND MAINTENANCE</b>		<b>\$ 2,797,250</b>	<b>\$ 373,044</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 373,044</b>	<b>\$ 90,635</b>	<b>\$ 463,679</b>	<b>16.6%</b>	<b>\$ 2,333,571</b>
41		<b>Non-Routine O&amp;M</b>										
42		MISC. FIBER OPTIC REPAIR (rebudget annually)	(*) 300420.08.TBD	\$ 6,500	\$ -			\$ -		-	0.0%	6,500
43		INTERLAKE TUNNEL PLANG (place holder)	(*) 300420.08.02	-	-			-		-	0.0%	-
44		5 YR INTAKE INSPECTION (EVERY 5 YRS. 2022/23)	(*) 300420.08.03	-	-			-		-	0.0%	-
45		5 YR PIPELINE CLOSE INTERVAL SURVEY & ACTIONS (EVERY 5 YRS)	(*) 300420.08.04	188,636	11,908			11,908	146,926	158,834	84.2%	29,802
46		SANTA MARG CRK BRIDGE PIPE RELOCATION	(*) 300420.08.05	656,845	-			-	12,518	12,518	1.9%	644,327
47		INTAKE PUMP SYSTEM IMPROVEMENTS (5 SYSTEMS)	(*) 300420.08.12	178,507	37,900			37,900		37,900	21.2%	140,607
48		INTAKE PS: SLOPE REPAIR AND DRAINAGE WORK	(*) 300420.08.14	110,000	-			-		-	0.0%	110,000
49		POWER MONITORING AT INTAKE (CLSD)	(*) 300420.08.15	30,000	-			-		-	0.0%	30,000
50		SCADA EFFORTS AT BOOSTER STN O&M (REBUDGETED ANNUALLY)	(*) 300420.08.16	382,495	2,848			2,848		2,848	0.7%	379,647
51		SYPS EFFICIENCY ALTERNATIVES	(*) 300420.08.19	525,938	-			-		-	0.0%	525,938
52		GENERATOR PAD AT BOOSTER STN INSTALL (33%)	(*) 300420.08.22	-	-			-		-	0.0%	-
53		AIR VACS REPAIRS AND PREVENTION	(*) 300420.08.23	-	-			-	10,500	10,500	0.0%	(10,500)
54		<b>SUBTOTAL: NON ROUTINE OPERATION &amp; MAINTENANCE</b>		<b>\$ 2,078,921</b>	<b>\$ 52,656</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,656</b>	<b>\$ 169,944</b>	<b>\$ 222,600</b>	<b>10.7%</b>	<b>\$ 1,856,321</b>
55		<b>Capital Outlay</b>										
56		ISOLATION VALVES INSTALL (TYPE 1)	300580	646,558	8,909			8,909		8,909	1.4%	637,649
57		SHED AT SYPS (TYPE 1)	300581	44,258	1,671			1,671	12,803	14,474	32.7%	29,784
58		NACI RVR XING ULTIMATE CAPACITY (TYPE 1)	300561	16,927	-			-		-	0.0%	16,927
59		NACI PIPE REPAIR/REPL SALINAS RIVER XING (TYPE 3)	300641	-	11,506			11,506		11,506	0.0%	(11,506)
60		<b>SUBTOTAL: CAPITAL OUTLAY</b>		<b>\$ 707,743</b>	<b>\$ 22,086</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 22,086</b>	<b>\$ 12,803</b>	<b>\$ 34,889</b>	<b>4.9%</b>	<b>\$ 672,854</b>
61		<b>TOTAL BUDGET / INSTALLMENT BILLINGS</b>		<b>\$ 5,583,914</b>	<b>\$ 447,786</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 447,786</b>	<b>\$ 273,382</b>	<b>\$ 721,168</b>	<b>12.9%</b>	<b>\$ 4,862,746</b>
62		VARIABLE ENERGY COSTS	300420.03	2,528,150	381,855			381,855		381,855	15.1%	2,146,295
63		BUDGET FOR UNANTICIPATED CAPITAL PROJECT	n/a	103,750	-			-		-	0.0%	103,750
64		<b>TOTAL</b>		<b>\$ 8,215,814</b>	<b>\$ 829,640</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 829,640</b>	<b>\$ 273,382</b>	<b>\$ 1,103,023</b>	<b>13.4%</b>	<b>\$ 7,112,791</b>



## MEMORANDUM

(Information Only)

November 21, 2019

**TO:** Nacimiento Project Commission, Via Email  
**FROM:** John Waddell, Utilities Division Manager, County Public Works  
**SUBJECT:** Division Manager's Update – Nacimiento Water Project

### PROJECT UPDATES

#### OPERATIONS REPORT

Deliveries through September 2019 totaled 5137 acre-feet for the water year starting on October 1, 2018, and 0 acre-feet for the 2020 project delivery year\*, as shown in the attached NWP Delivery Reports.

*\*The NWP pipeline is currently offline for unplanned maintenance to address a leak at the north Salinas crossing.*

#### CAPITAL IMPROVEMENT PROJECT UPDATES

##### 1. Nacimiento Intake Pump Station

Repairs to Pump Unit #3: Repair work to column & line shaft was completed; pump motor repair work is now in-process. District staff will continue to keep TSG members updated on progress.

#### NACIMIENTO WATER SALES PROGRAM

Development of the WSP has temporarily been placed on hold in light of recent developments related to the terms of the relevant license and permit held by the Monterey County Water Resources Agency. The District is working to define and resolve any impediment as expeditiously as possible and will provide updates when appropriate.

#### MONTEREY COUNTY WATER RESOURCES AGENCY (MCWRA) ACTIVITIES

##### 1. Operations and Maintenance Activities at Nacimiento

As of Friday, 11/15, the reservoir is currently sitting with storage at 45% of capacity (755.9 ft elev).

##### 2. San Antonio Spillway Repairs

MCWRA is investigating different conceptual spillway designs; latest repair costs are estimated to be around \$60 million and must be completed by 2024 per Division of Safety of Dams (DSOD). The District/SLO County has started to engage with MCWRA to understand potential cost impacts for NWP Participants (potentially around \$18 million, plus an anticipated increase in annual O&M costs).

##### 3. Interlake Tunnel Project Update

MCWRA is still conducting modeling analysis; no significant update to report.

#### ATTACHMENTS

1. NWP 2019 Delivery Reports (Sept 2019; Oct 2019)
2. ResOps Notes and Board Packet – Oct 2019

## NWP Delivery Report – September 2019

### Deliveries<sup>1,2</sup>

	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-18	May-19	Jun-19	Jul-19	Aug-19	Sep-19	TOTAL
<b>Paso (T2)</b>	231.30	171.49	94.89	59.28	109.14	123.08	111.02	77.63	81.94	132.45	229.93	101.92	1524
Ops Water													
<b>TCSD (T4)</b>	28.50	26.91	28.41	28.43	25.65	20.53	0	0	0	0	0.71	0	159
Ops Water													
<b>AMWC (T6)</b>	46.75	0	0	0	0	0	0	0	0	0	0	0	47
Ops Water													
<b>SMR (T9)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water													
<b>SLO (T11)</b>	357.91	217.30	198.96	326.05	124.43	304.91	313.39	306.70	359.26	394.41	331.31	171.98	3407
Ops Water													
<b>TOTAL</b>	<b>664</b>	<b>416</b>	<b>322</b>	<b>414</b>	<b>259</b>	<b>449</b>	<b>424</b>	<b>384</b>	<b>441</b>	<b>527</b>	<b>562</b>	<b>274</b>	<b>5137</b>
Cumulative	664	1080	1402	1816	2075	2524	2948	3333	3774	4301	4863	5137	
<b>Intake Flow Meter</b>	<b>643.80</b>	<b>421.78</b>	<b>331.45</b>	<b>403.08</b>	<b>255.84</b>	<b>434.35</b>	<b>406.95</b>	<b>363.41</b>	<b>432.65</b>	<b>527.96</b>	<b>552.97</b>	<b>278.78</b>	<b>5053</b>
Variance (UW)	20.66	(6)	(9)	11	3	14	17	21	9	(1)	9	(5)	84
Ops Water <sup>4</sup>													0

### Requests<sup>1,3</sup>

	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-18	May-19	Jun-19	Jul-19	Aug-19	Sep-19	TOTAL
<b>Paso (T2)</b>	600	106	106	110	99	244	236	326	581	600	600	581	4189
<b>TCSD (T4)</b>	31.25	31.25	15.63	15.63	31.25	31.25	31.25	31.25	31.25	0	0	0	250
<b>AMWC (T6)</b>	0	0	0	0	0	0	0	500	500	500	250	250	2000
<b>SMR (T9)</b>	6.7	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	80
<b>SLO (T11)</b>	504	488	228	260	455	504	488	504	488	504	504	488	5415
<b>TOTAL</b>	<b>1142</b>	<b>632</b>	<b>356</b>	<b>392</b>	<b>592</b>	<b>786</b>	<b>762</b>	<b>1368</b>	<b>1607</b>	<b>1611</b>	<b>1361</b>	<b>1326</b>	<b>11934</b>
Cumulative	1142	1774	2130	2522	3114	3900	4662	6030	7637	9248	10608	11934	

#### NOTES

1. All table values listed are in units of acre-feet (AF).
2. Deliveries are based on monthly reporting provided by County Operations.
3. Requests based on latest schedule request submitted for "Water Year 2019" deliveries.
4. "Ops Water" is water sent through the turnout for O&M needs and not counted against Participants' Delivery Entitlement.

#### NACIMIENTO WATER PROJECT

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

G:\NWP\O&M Phase\\_DELIVERY & REQUESTS\\_Actuals\2019\NWP Delivery Report 2019

## NWP Delivery Report – October 2019

### Deliveries<sup>1,2</sup>

	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	TOTAL
<b>Paso (T2)</b>	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water													
<b>TCSD (T4)</b>	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water													
<b>AMWC (T6)</b>	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water													
<b>SMR (T9)</b>	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water													
<b>SLO (T11)</b>	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water													
<b>TOTAL</b>	<b>0</b>												
Cumulative	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Intake Flow Meter</b>	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Variance (UW)	0.00	0	0	0	0	0	0	0	0	0	0	0	0
Ops Water <sup>4</sup>													0

### Requests<sup>1,3</sup>

	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	TOTAL
<b>Paso (T2)</b>	600	106	106	110	99	244	236	326	581	600	600	581	<b>4189</b>
<b>TCSD (T4)</b>	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
<b>AMWC (T6)</b>	0	0	0	0	0	0	0	500	500	500	250	250	<b>2000</b>
<b>SMR (T9)</b>	6.7	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	<b>80</b>
<b>SLO (T11)</b>	504	488	228	260	460	504	488	504	488	504	504	488	<b>5420</b>
<b>TOTAL</b>	<b>1111</b>	<b>601</b>	<b>340</b>	<b>377</b>	<b>566</b>	<b>755</b>	<b>731</b>	<b>1337</b>	<b>1576</b>	<b>1611</b>	<b>1361</b>	<b>1326</b>	<b>11689</b>
Cumulative	1111	1711	2052	2428	2994	3749	4480	5816	7392	9003	10363	11689	

#### NOTES

- All table values listed are in units of acre-feet (AF).
- Deliveries are based on monthly reporting provided by County Operations.
- Requests based on latest schedule request submitted for project "[Water Year 2020](#)" (or WY 2019) deliveries.
- "Ops Water" is water sent through the turnout for O&M needs and not counted against Participants' Delivery Entitlement.

#### NACIMIENTO WATER PROJECT

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT  
 G:\NWP\O&M Phase\DELIVERY & REQUESTS\Actuals\2020\191106-NWP 2020 Delivery Report



## ResOps Meeting Notes from October 31, 2019

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MCWRA Reservoir Operations Advisory Committee Meeting  
 Notes by SLO County PW Utilities Division – John Waddell

- 1. Call to order**
- 2. Public Comment**
  - No public comment.
- 3. Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on September 26, 2019**
  - Minutes approved as submitted.
- 4. Report on the Salinas River Discharge Measurement Series**
  - Survey typically done during conservation season between April – October.
  - Salinas flow comes from Nacimiento and San Antonio reservoirs.
  - 3 main purposes for releases
    - i. Provide deliveries, recharge, required bypass flow for steelhead.
  - Uses USGS automated gauges to measure flow. Supplemented with extra sites during river series; there are 10 sites where flow is measured over short period of time.
  - Salinas flow decreases as you move downstream. Loss between reaches is varying. Will be doing a more in-depth report about Salinas river flow and factors that affect it.
- 5. Reservoir release update**
  - San Antonio
    - i. Elev. at 724 ft
    - ii. Storage Capacity at 34%
    - iii. Releases at 10 cfs
  - Nacimiento
    - (i) Elev. at 757 ft
    - (ii) Storage Capacity at 46%
    - (iii) Releases at 60 cfs
  - Starting water year is about where we started 2018 water year for both reservoirs
  - Released less than expected through summer
- 6. Review the release schedule for 2019**
  - Discussions on storage capacity, concerns over dam failure
- 7. Operations and Maintenance Activities Report**
  - Naci spillway repair for end of the month
  - San Antonio butterfly pump and motor is being worked on

- Staff is working on operational scenario for a winter with potential for large flows

**8. Report regarding Interlake Tunnel Project**

- Still waiting on modeling, especially MODFLOW/groundwater
- Many questions are still unanswered
- Height to raise the San Antonio spillway was estimated; need the model to have a better value.
- Concerned with overflow/flooding and not enough storage

**9. Status reports:**

**A. Lake recreation by Concessionaire and Parks Department**

- Listen to reports

**B. Easements and Agency Leases**

- Listen to reports

**C. Quagga/Zebra Mussel Plan**

- Listen to reports

**D. Cloud seeding**

- Update provided

**E. San Luis Obispo County Activities**

- No update

**F. National Marine Fisheries Service**

- No update

**G. Salinas River Stream Maintenance Program**

- Update provided

**10. Next meeting date and future Agenda Items**

- Next meeting scheduled for December 5, 2019 at 1:30 PM -- MCRWA office.

**ATTACHMENTS:**

1. ResOps Agenda 10-31-19
2. Board Report 10-31-19
3. Board Report 10-31-19 Updated
4. Reservoir Elevations and Storage 10-31-19
5. Synopsis of Reservoir Release Changes 10-31-19
6. Reservoir Release Schedule for 2019 10-31-19
7. Salinas River Discharge Measurement Series

# Monterey County

*Monterey County Government Center  
Board of Supervisors Chambers  
168 W. Alisal St., 1st Floor  
Salinas, CA 93901*



## Meeting Agenda - Final

Thursday, October 31, 2019

1:30 PM

**RESERVOIR OPERATIONS AND ADVISORY COMMITTEE**

1441 Schilling Place, Saffron Room, Salinas, CA 93901

### Water Resources Agency Board of Directors

*Chair Mark Gonzalez  
Vice-Chair John Baillie  
Deidre Sullivan  
Ken Ekelund  
Richard Ortiz  
Mike Scattini  
Mike LeBarre  
Jason Smith  
Matt Simis*

**Call to Order at 1:30 P.M.**

**Roll Call**

1.

**Committee Members**

Richard Ortiz, Chair	Eric Morgan
Ken Ekelund	Bill Lipe
John Baillie	Nathan Merkle
Matthew Simis	Jill Ogren
Benny Jefferson	Don Bullard
Jon Anthony	Kevin Pearcy

**Public Comment**

**Consent Calendar**

2. Approve the Minutes of the Reservoir Operations Advisory Committee Meeting held on September 26, 2019

**Attachments:** [Draft Action Minutes September 26, 2019](#)

**Staff Reports**

3. Report on the Salinas River Discharge Measurement Series

4. Reservoir Release Update

**Attachments:** [Board Report](#)  
[Reservoir Elevations and Storage](#)  
[Synopsis of Reservoir Release Changes](#)

5. Review of Release Schedule for 2019

**Attachments:** [Reservoir Release Schedule for 2019](#)

6. Update on Operations and Maintenance Activities at the Reservoirs

7. Update on the Interlake Tunnel Project

**Status Reports**

8. Lake Recreation by Concessionaire and Parks Department  
Easements and Agency Leases  
Quagga/Zebra Mussel Plan

Cloud Seeding  
San Luis Obispo County Activities  
National Marine Fisheries Service  
Salinas River Stream Maintenance Program

**Calendar**

9. Set next meeting date and discuss future agenda items.

**Adjournment**



# Monterey County

Board of Supervisors  
Board of Supervisors  
Chambers  
168 W. Alisal St., 1st Floor  
Salinas, CA 93901

## Board Report

Legistar File Number: WRAG 19-208

October 31, 2019

**Introduced:** 10/25/2019

**Current Status:** Agenda Ready

**Version:** 1

**Matter Type:** WR General Agenda

Reservoir Release Update

RECOMMENDATION:

None - item presented for informational purposes.

SUMMARY/DISCUSSION:

The Reservoir Operations Advisory Committee receives monthly updates on the status of Agency reservoirs.

**RESERVOIR ELEVATION / STORAGE:** As of October 24, 2019, San Antonio Reservoir has a water surface elevation of approximately 723.75 feet (NGVD 29), 113,263 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 757.1 feet, 176,101 acre-feet of storage. San Antonio Reservoir is currently at 34% of storage capacity and Nacimiento Reservoir is at 47% of capacity.

**RESERVOIR RELEASES:** Minimum fisheries releases of 60 cfs from Nacimiento Reservoir and 10 cfs from San Antonio Reservoir are currently being made.

The Salinas River Lagoon remains closed to the ocean.

Minor fluctuations in release rates are not presented in this report but are documented in the Salinas Valley Water Project Annual Flow Reports.

Releases as of October 24, 2019:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 10 cfs

Total releases from both reservoirs to the Salinas River are approximately 70 cfs. The following "provisional" flows have been recorded by the USGS:

- Salinas River near Bradley: 90 cfs (steady)
- Salinas River at Soledad: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River near Spreckels: 0 cfs

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860  
Jason Demers, Hydrologist, (831) 755-4860

Attachments:

1. Reservoir Elevations and Storage
2. Synopsis of Reservoir Release Changes

**..Title**

Reservoir Release Update

**..Report**

RECOMMENDATION:

None – item presented for informational purposes.

SUMMARY/DISCUSSION:

The Reservoir Operations Advisory Committee receives monthly updates on the status of Agency reservoirs.

**RESERVOIR ELEVATION / STORAGE:** As of October 31, 2019 San Antonio Reservoir has a water surface elevation of approximately 723.55 feet (NGVD 29), 112,753 acre-feet of storage. Nacimiento Reservoir has a water surface elevation of approximately 756.7 feet, 174,657 acre-feet of storage. San Antonio Reservoir is currently at 34% of storage capacity and Nacimiento Reservoir is at 46% of capacity.

**RESERVOIR RELEASES:** Minimum fisheries releases of 60 cfs from Nacimiento Reservoir and 10 cfs from San Antonio Reservoir are currently being made.

The Salinas River Lagoon remains closed to the ocean.

Minor fluctuations in release rates are not presented in this report but are documented in the Salinas Valley Water Project Annual Flow Reports.

Releases as of October 31, 2019:

- Nacimiento Reservoir: 60 cfs
- San Antonio Reservoir: 10 cfs

Total releases from both reservoirs to the Salinas River are approximately 70 cfs. The following “provisional” flows have been recorded by the USGS:

- Salinas River near Bradley: 94 cfs (steady)
- Salinas River at Soledad: 0 cfs
- Salinas River near Chualar: 0 cfs
- Salinas River near Spreckels: 0 cfs

OTHER AGENCY INVOLVEMENT:

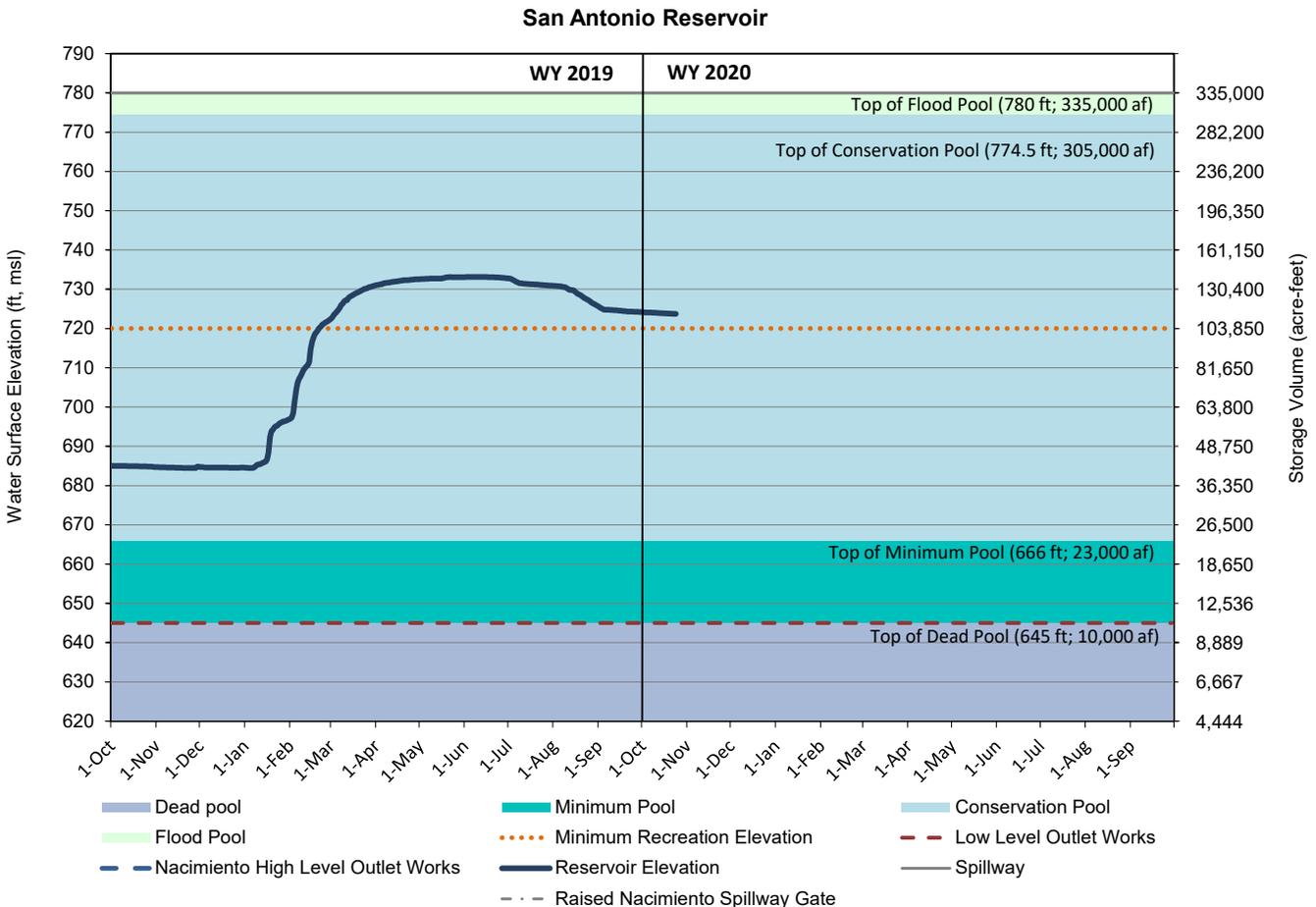
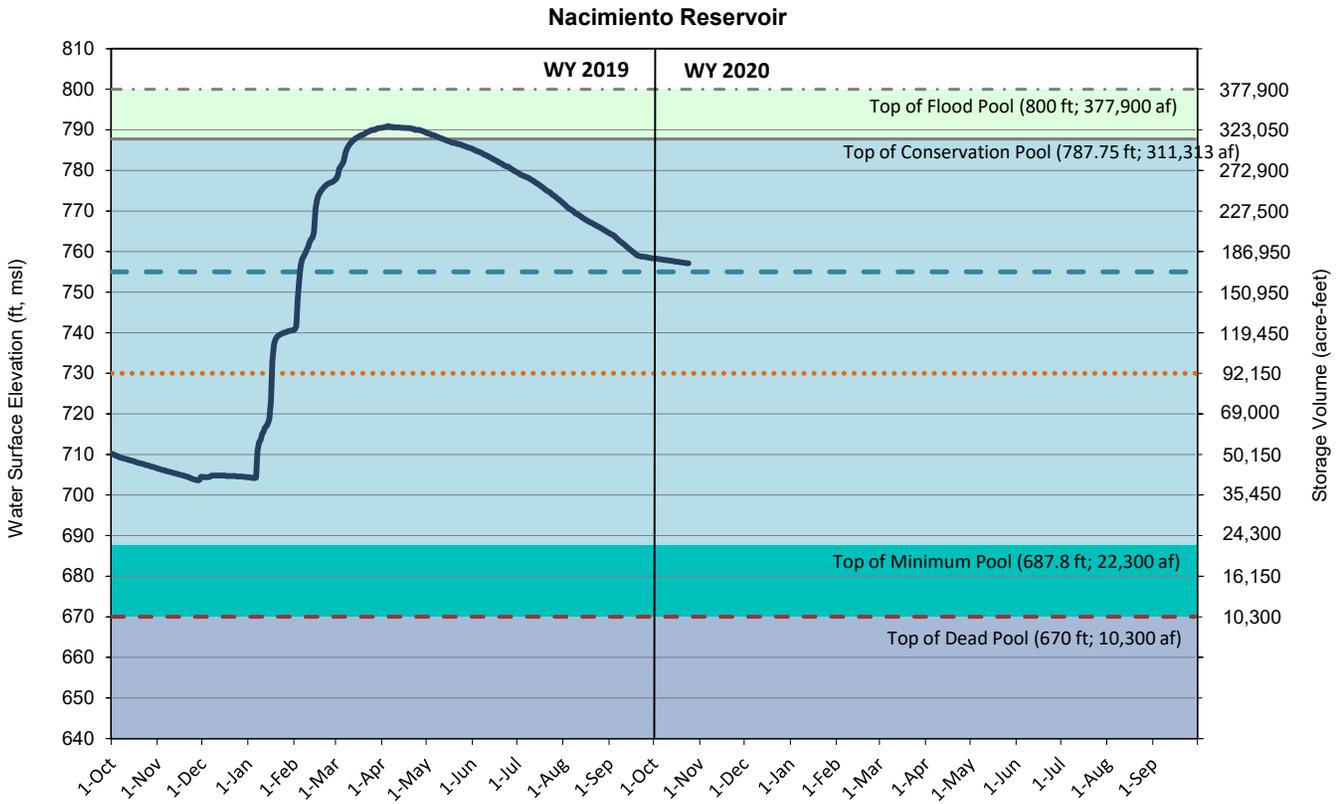
None

FINANCING:

None

Prepared by: Germán Criollo, Associate Hydrologist, (831) 755-4860  
Jason Demers, Hydrologist, (831) 755-4860

# Reservoir Elevation and Storage



- |  |  |   |
|--|--|---|
| <span style="color: blue;">■</span> Dead pool                              | <span style="color: teal;">■</span> Minimum Pool                   | <span style="color: lightblue;">■</span> Conservation Pool    |
| <span style="color: lightgreen;">■</span> Flood Pool                       | <span style="color: orange;">⋯</span> Minimum Recreation Elevation | <span style="color: red;">- - -</span> Low Level Outlet Works |
| <span style="color: darkblue;">—</span> Nacimiento High Level Outlet Works | <span style="color: darkblue;">—</span> Reservoir Elevation        | <span style="color: grey;">—</span> Spillway                  |
| <span style="color: blue;">- - -</span> Raised Nacimiento Spillway Gate    |  |   |



**MONTEREY COUNTY WATER RESOURCES AGENCY**  
**Elevation/Storage/NWP Diversions - Estimated after October 1**

10/31/2019

	<b>RESERVOIR RELEASE SCHEDULE FOR 2019</b>															
	<b>NACIMIENTO</b>								<b>SAN ANTONIO</b>							
	Combined Releases (cfs)*	Combined Releases (ac-ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Storage (ac-ft)	(%)	Elev. (ft)	Evap. Losses (ac-ft)**	Reservoir Releases (cfs)*	Reservoir Releases (ac-ft)	Storage (ac-ft)	(%)	Elev. (ft)
1/1/2019								41,480	11%	704.4						
	70	4,304	268	60	3,689	497	403				154	10	615	41,687	12%	684.6
2/1/2019								121,850	32%	740.8				59,050	18%	697.0
	78	4,306	397	68	3,751	717	256				223	10	555	110,075	33%	722.5
3/1/2019								262,985	70%	777.9				110,075	33%	722.5
	81	4,957	815	71	4,342	986	434				566	10	615	133,398	40%	731.1
4/1/2019								325,700	86%	790.5				133,398	40%	731.1
	231	13,773	1,099	221	13,178	962	407				813	10	595	137,850	41%	732.6
5/1/2019								318,850	84%	789.2				137,850	41%	732.6
	394	24,246	1,320	378	23,231	1,668	363				912	17	1,016			
6/1/2019								298,400	79%	785.2				139,500	42%	733.1
	482	28,693	2,574	472	28,098	2,107	433				1,808	10	595	138,600	41%	732.8
7/1/2019								270,288	72%	779.5				138,600	41%	732.8
	571	35,134	2,697	514	31,583	2,111	528				1,922	58	3,550	132,823	40%	730.9
8/1/2019								235,330	62%	771.8				132,823	40%	730.9
	669	41,128	2,394	459	28,249	1,961	553				1,634	209	12,879	118,170	35%	725.6
9/1/2019								204,695	54%	764.5				118,170	35%	725.6
	409	24,361	1,774	364	21,634	1,882	279				1,356	46	2,727	114,298	34%	724.2
10/1/2019								180,475	48%	758.3				114,298	34%	724.2
	70	4,304	1,487	60	3,689	1,572					987	10	615			
11/1/2019								174,455	46%	756.6				112,711	34%	723.5
	70	4,165	762	60	3,570	832					517	10	595	111,600	33%	723.1
12/1/2019								169,291	45%	755.2				111,600	33%	723.1
	70	4,304	472	60	3,689	456					326	10	615			
1/1/2020								164,674	44%	753.9				110,660	33%	722.7
<b>TOTALS:</b>		<b>193,677</b>	<b>16,059</b>		<b>168,705</b>	<b>15,751</b>	<b>3,656</b>				<b>11,217</b>		<b>24,972</b>			

\* Mean daily flow for the month in cubic feet per second.

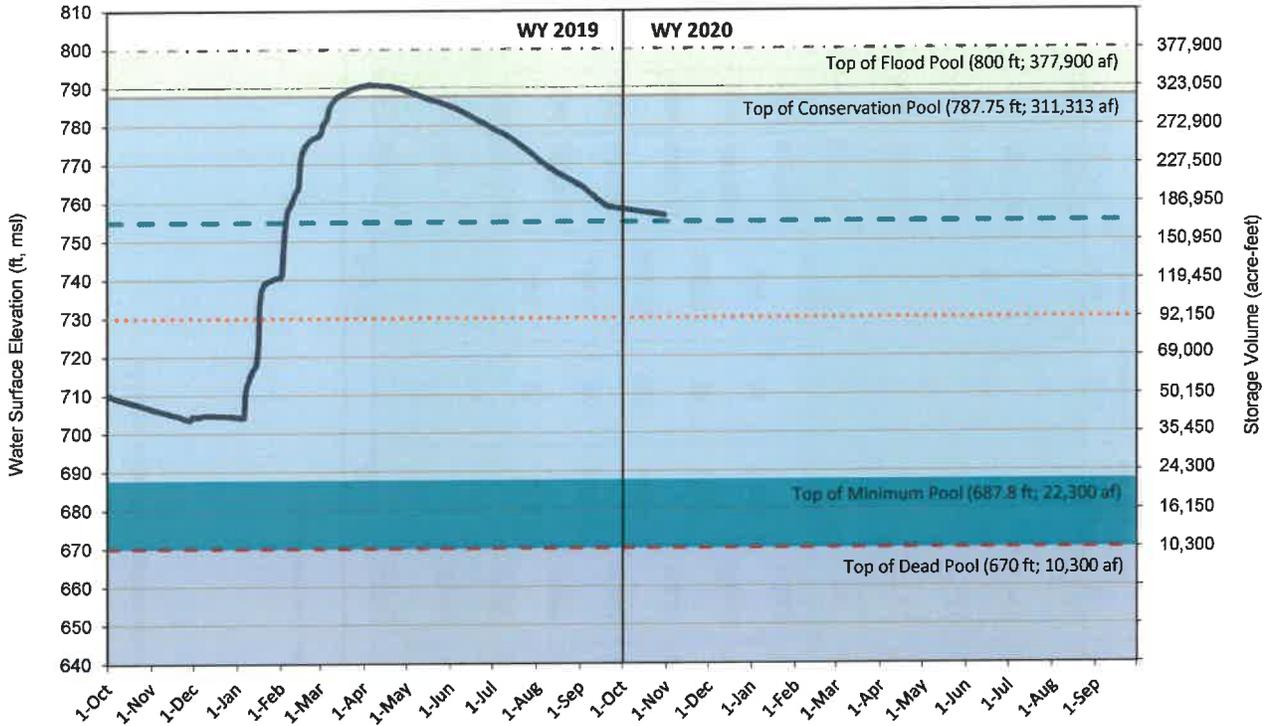
\*\* Future Evap. Losses estimated from long term pan evaporation data at Nacimiento and San Antonio Reservoirs and replaced with calculated values once available.

**NOTES:**

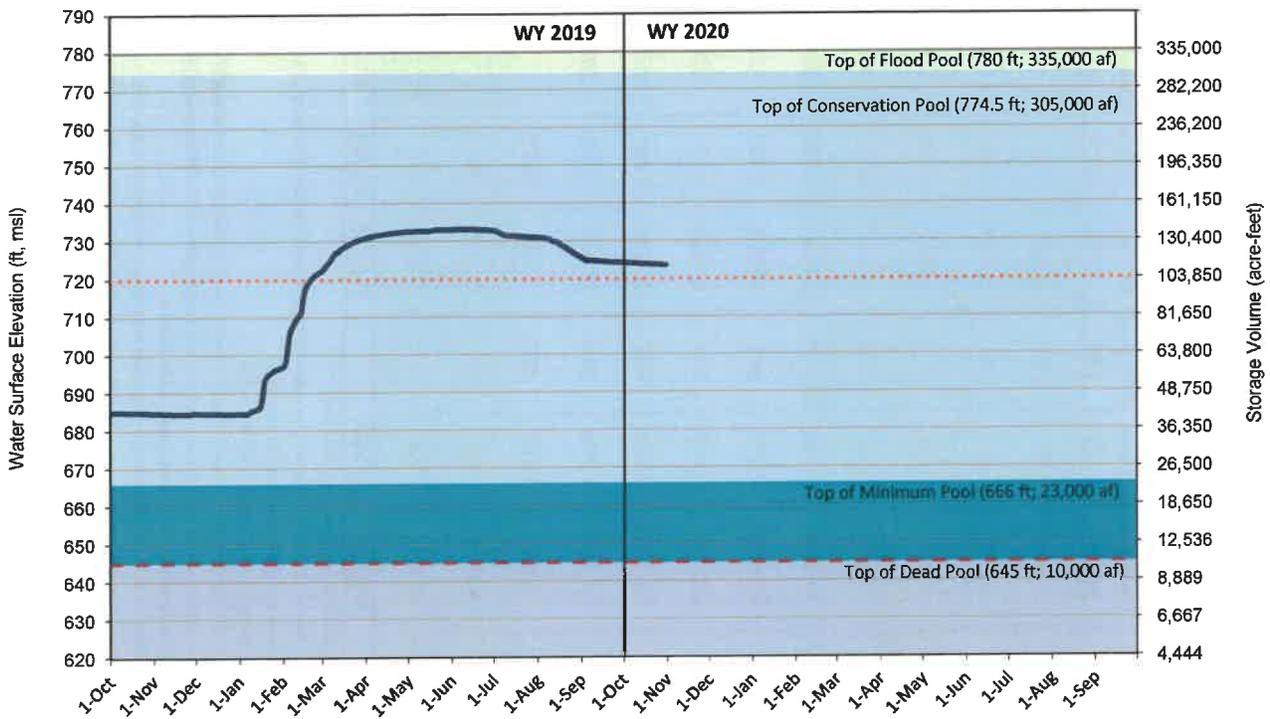
1. Nacimiento Reservoir storage capacity 377,900 acre feet.
2. San Antonio Reservoir storage capacity 335,000 acre feet.
3. Reservoir Operations Committee may make release considerations for fish spawn and holiday periods to benefit recreation.
4. Shaded areas represent periods when elevations could be influenced by inflow/runoff; releases may include flood control releases.
5. Preliminary Schedule assumes no inflow to reservoirs after June 1st.
6. "NWP Diversions" are San Luis Obispo County - Nacimiento Water Project conveyance facilities diversions. Max. allowable diversions for water year (Oct. 1 - Sept. 30) are 15,750 ac-ft.
7. NACIMIENTO "NWP Diversions" do not include lakeside water use which is estimated at approximately 1,750 acre feet per year.

# Reservoir Elevation and Storage

## Nacimiento Reservoir

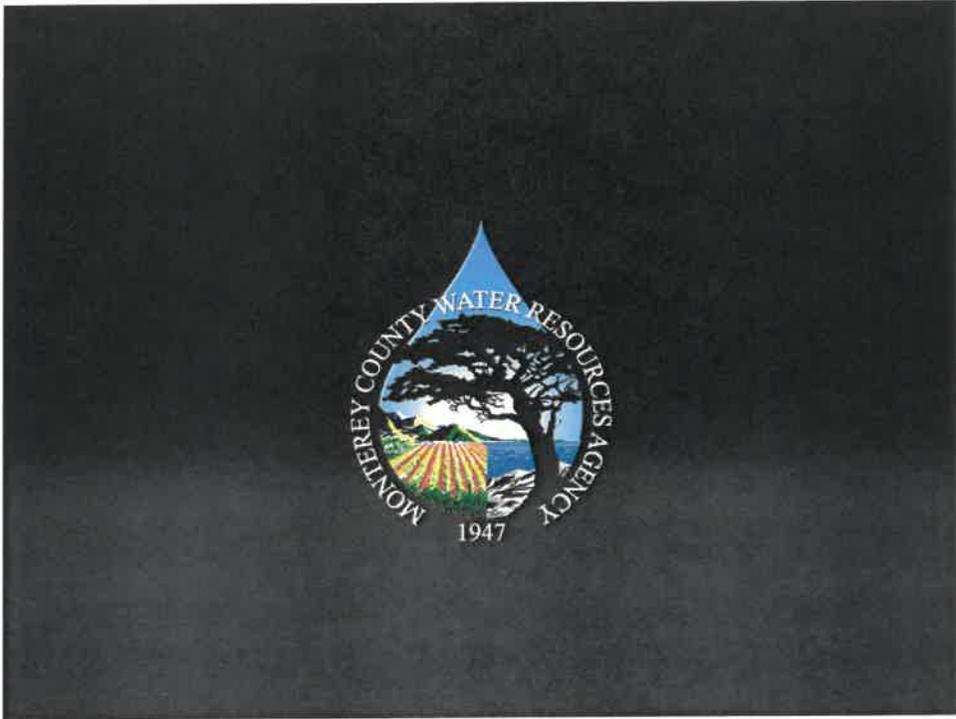


## San Antonio Reservoir



- Dead pool
- Flood Pool
- Nacimiento High Level Outlet Works
- Minimum Pool
- Minimum Recreation Elevation
- Conservation Pool
- Low Level Outlet Works
- Reservoir Elevation
- Spillway
- Raised Nacimiento Spillway Gate





1

**Salinas River  
Discharge Measurement Series**

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2  Res Ops  
October 31, 2019

The slide has a white background with a thin blue border. At the top, there is a small horizontal strip showing a green field. The title is in blue, bold, italicized font. A horizontal line is drawn across the slide, with a small agency logo in the center. Below the line, the number "2" is on the left, and "Res Ops" and "October 31, 2019" are on the right.

2

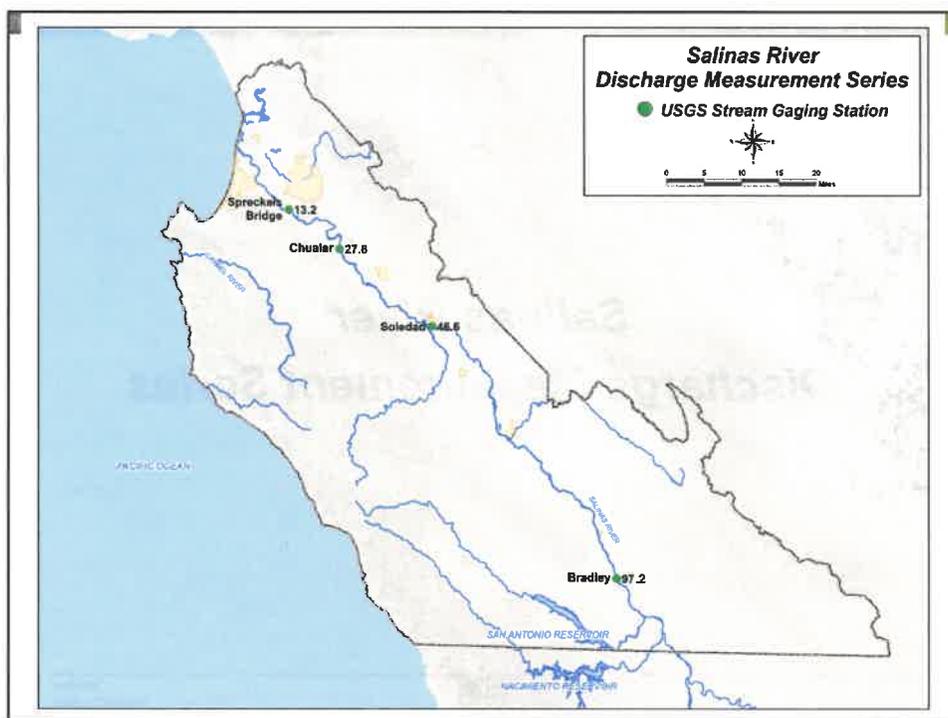


## Salinas River *Flow* Measurement Series

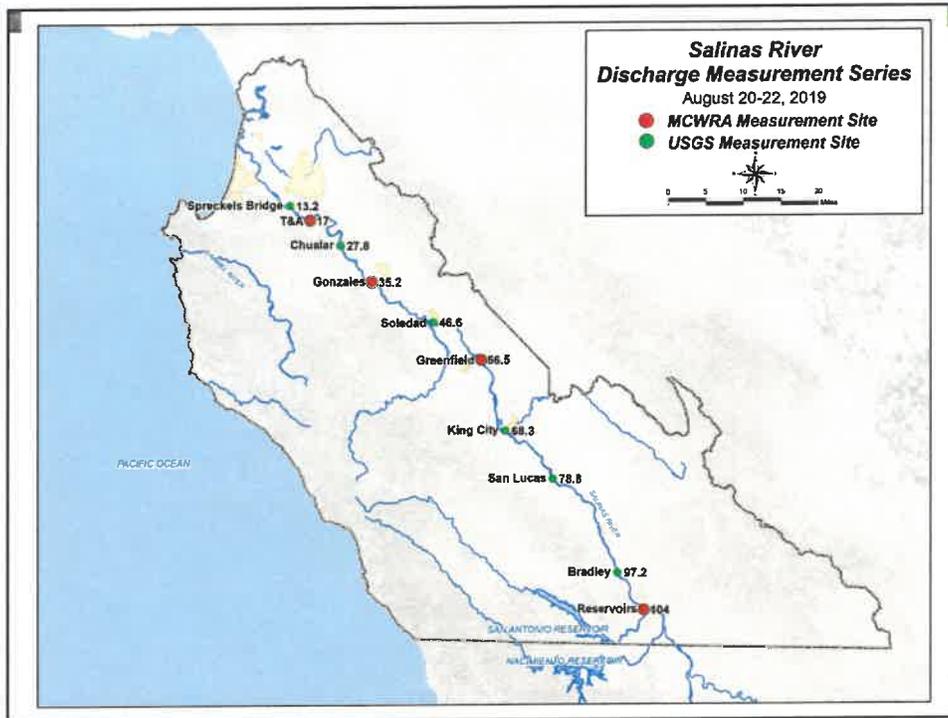
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3  Res Ops  
October 31, 2019

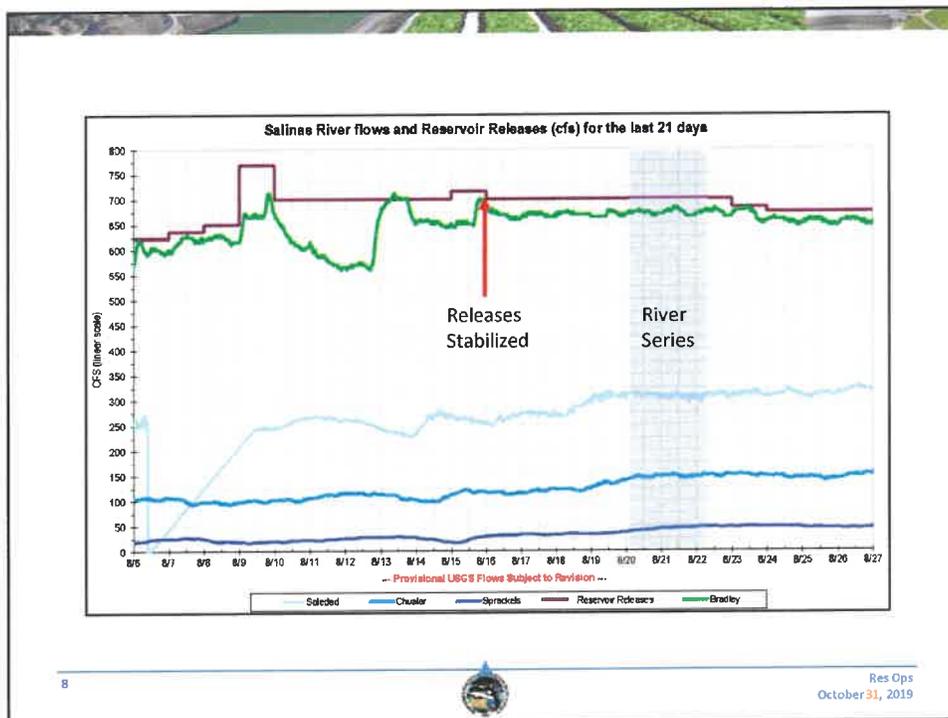
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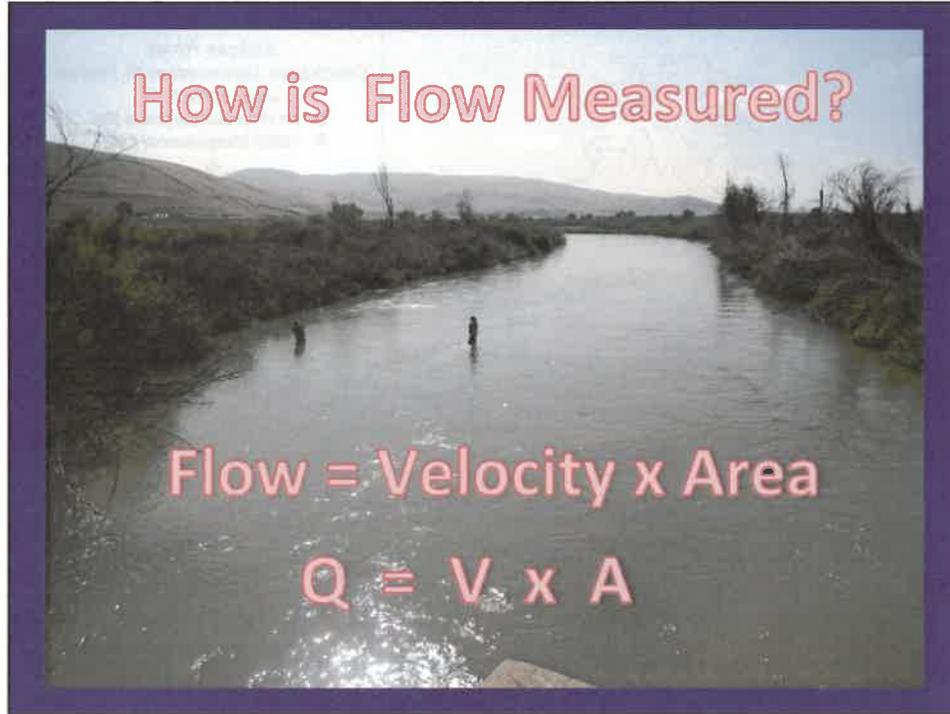
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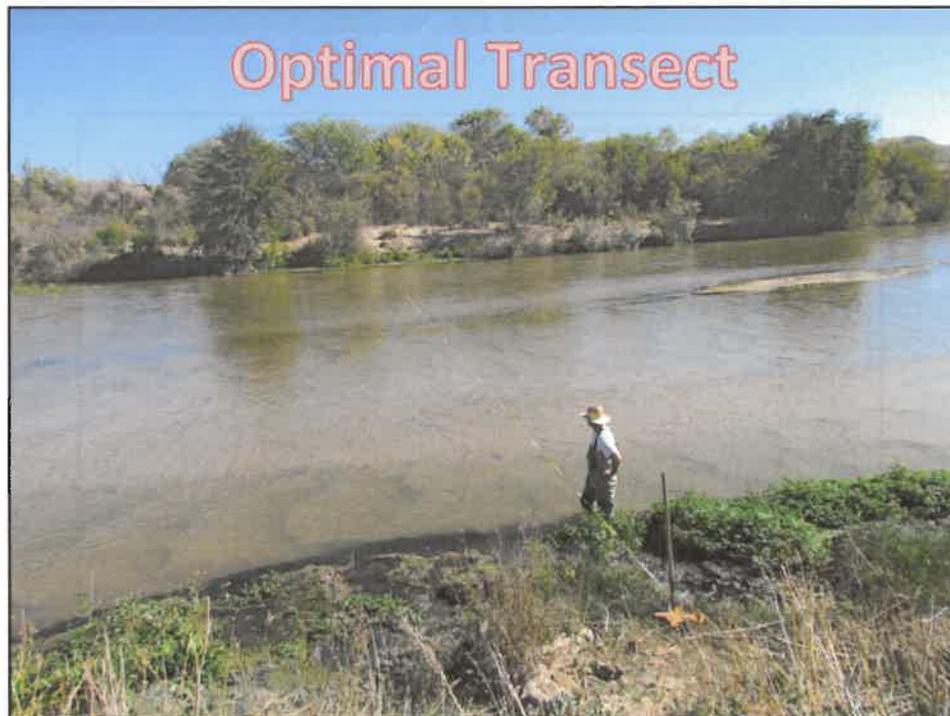
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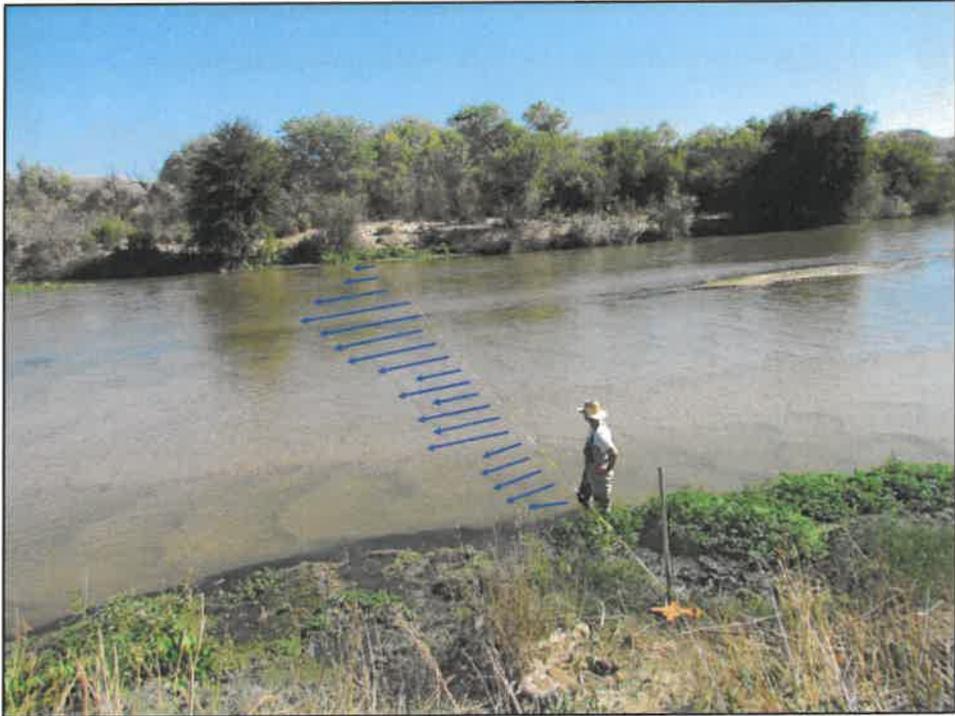
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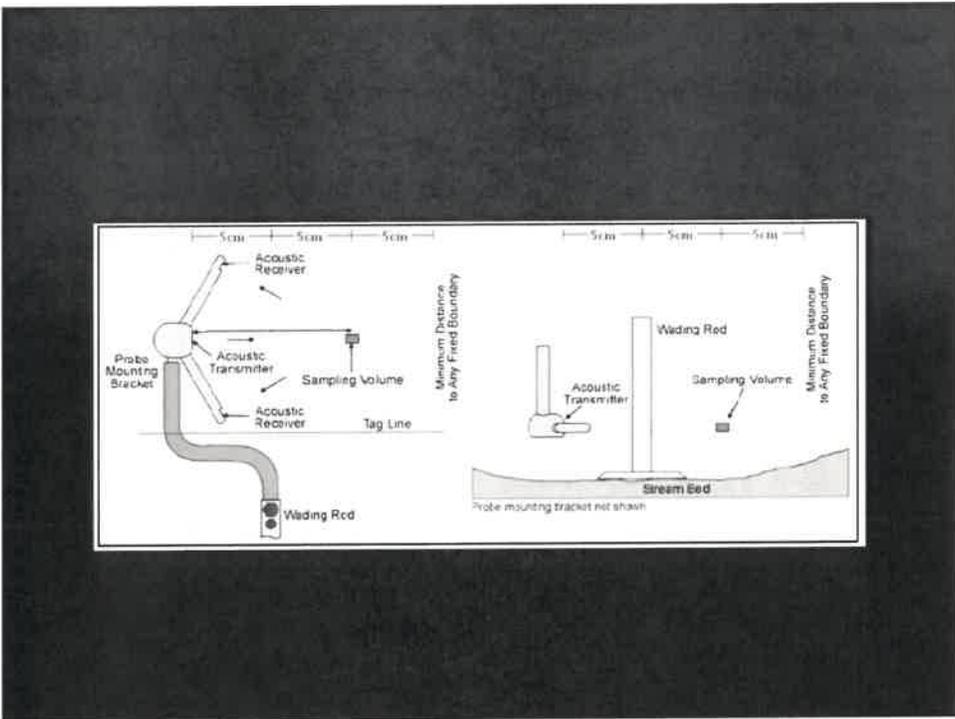
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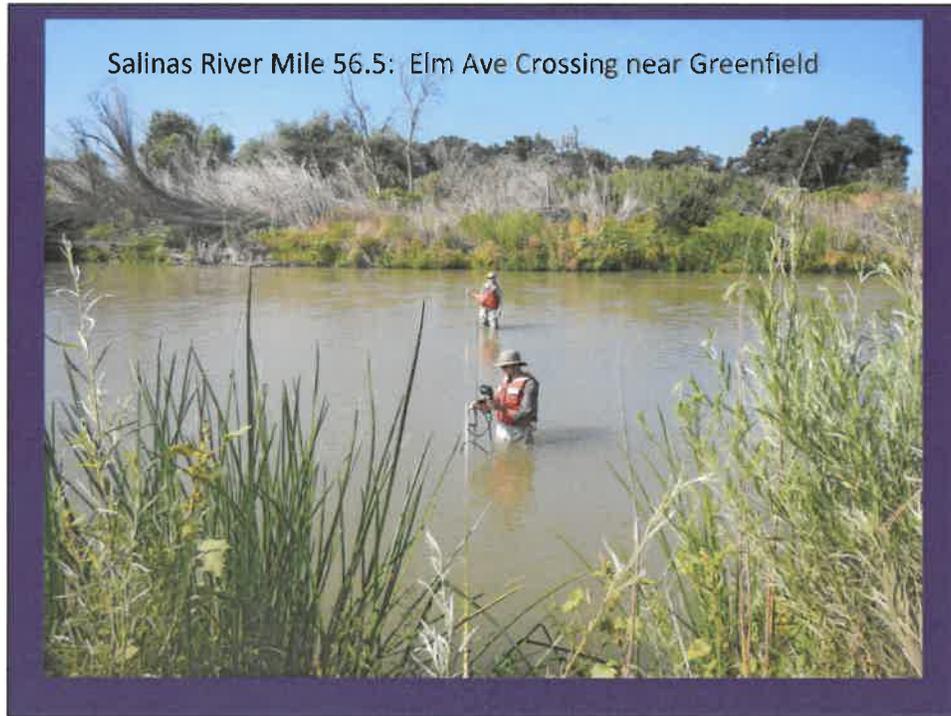
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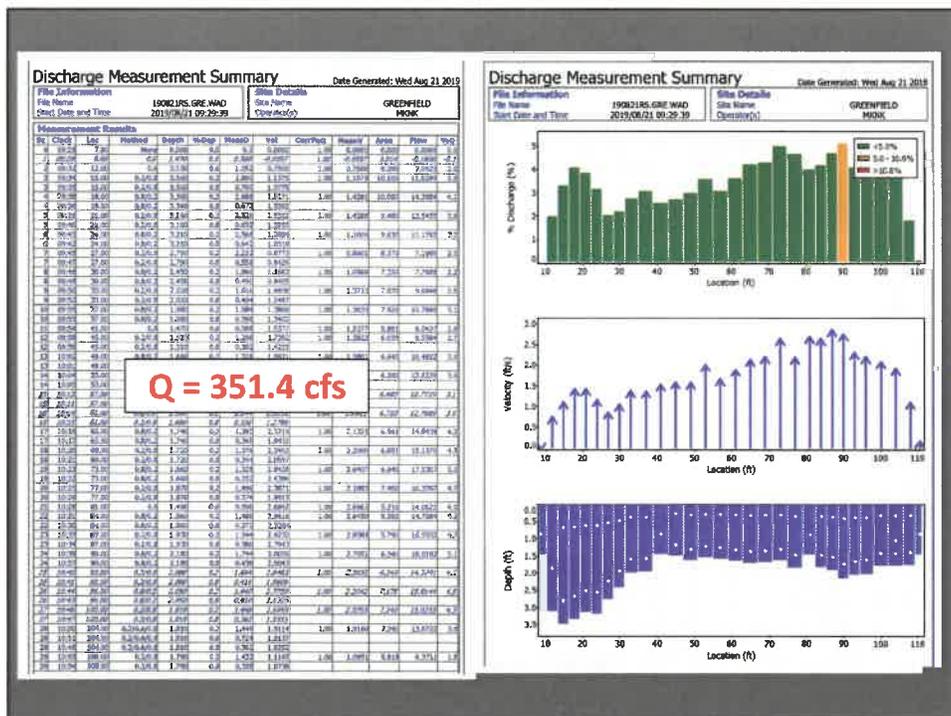
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12



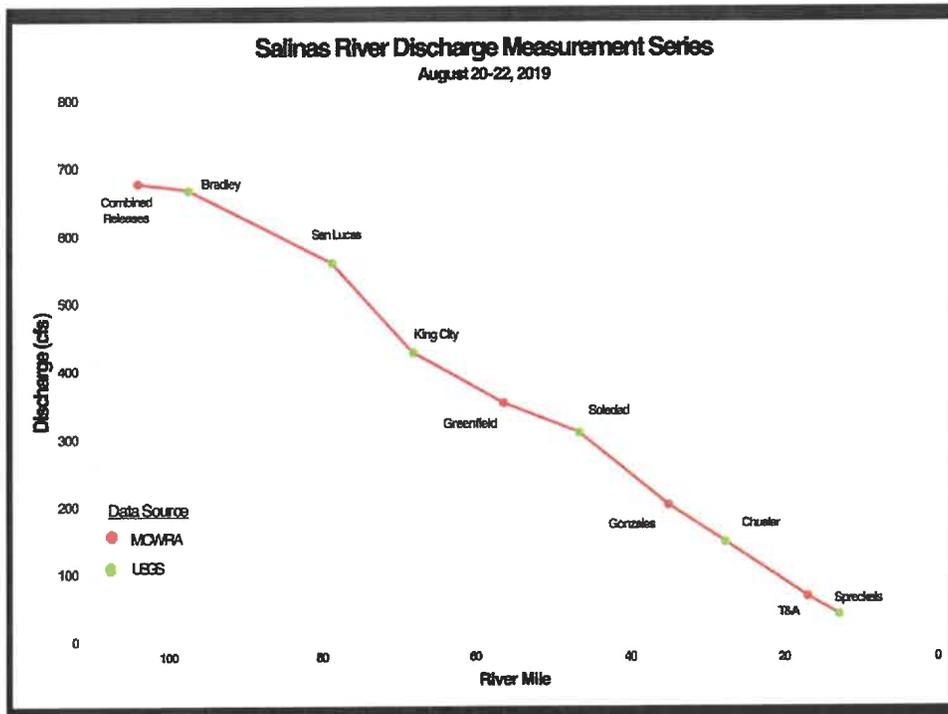
13



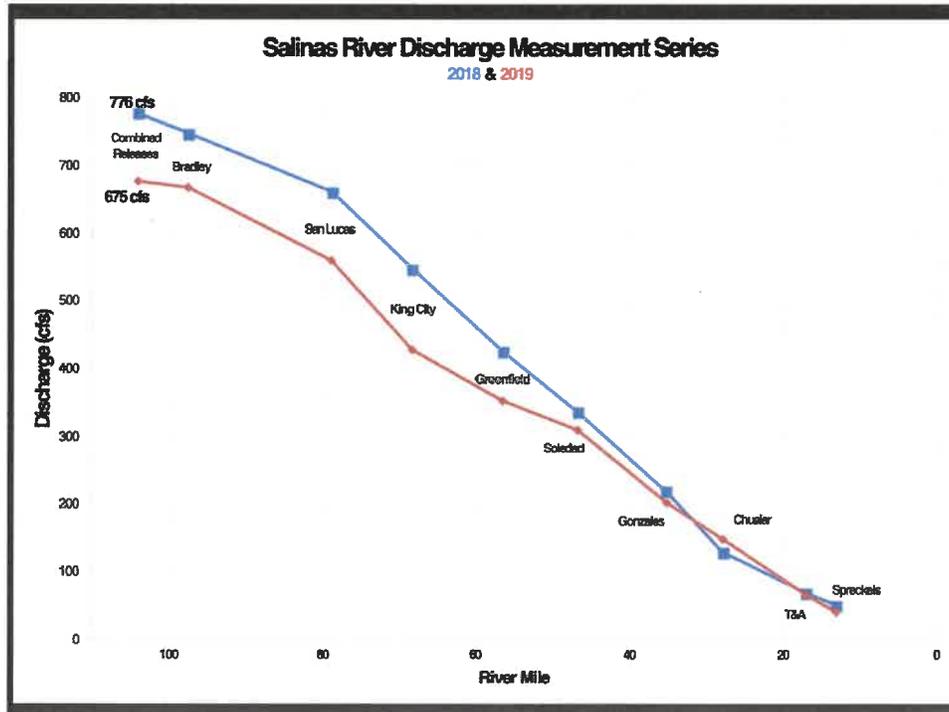
### 2019 Salinas River Discharge Measurement Series Results

Site Name	River Mile	Measurement		Data Source	Q (cfs)	ΔQ (cfs)	ΔQ/RM (cfs/mi)	River Reach
		Date	Time					
San Antonio		8/20/2019	12:00	MCWRA	325	NA	NA	NA
Nacimiento		8/21/2019	12:00	USGS	350	NA	NA	NA
Reservoirs	104	8/21/2019	12:00	MCWRA	675	NA	NA	NA
Bradley	97.5	8/20/2019	15:46	USGS	666	9	1.4	Res-Brad
San Lucas	78.8	8/20/2019	14:48	USGS	559	107	5.7	Brad-SL
King City	68.3	8/20/2019	13:32	USGS	426	133	12.7	SL-KC
Greenfield	56.5	8/21/2019	9:24	MCWRA	351	75	6.4	KC-Gf
Soledad	46.7	8/20/2019	10:37	USGS	308	43	4.4	Gf-Sol
Gonzales	35.2	8/21/2019	12:29	MCWRA	201	107	9.3	Sol-Gon
Chualar	27.8	8/20/2019	13:00	USGS	147	54	7.3	Gon-Ch
T&A	17	8/22/2019	8:37	MCWRA	65	82	7.6	Ch-T&A
Spreckels	13	8/20/2019	15:31	USGS	39	26	6.5	T&A-Spr

17



18



19

## Next Steps

- Analyze & Prepare Report on Flow Loss Rates
- Digitize and Compile Historical River Series data (1958-1994)
- Use complete data set in comparative analysis of flow loss rates
- Coordinate with USGS to incorporate the most recent data into SVIHM
- In-Depth Report on Salinas River Streamflow

20
Res Ops  
October 31, 2019

20