



Meeting Agenda

Date & Time: 12/12/2025 | 9:30 AM

Location: SLDMWA Boardroom

Notice of Grassland Basin Drainage Steering Committee Regular Meeting

842 6th Street, Los Banos, California

Telephonic Participation

Conference Call Dial-in: 1-623-600-3769

Conference Code: 518817

NOTE: Any member of the public may address the Water Resources Committee/Board concerning any item on the agenda before or during consideration of that item.

Because the notice provides for a regular meeting of the Water Resources Committee ("WRC") and a joint regular WRC Meeting/Special Board workshop, Board Directors/Alternates may discuss items listed on the agenda; however, only WRC Members/Alternates may correct or add to the agenda or vote on action items.

NOTE FURTHER: Meeting materials have been made available to the public on the San Luis & Delta-Mendota Water Authority's website, <https://www.sldmwa.org>, and at the Los Banos Administrative Office, 842 6th Street, Los Banos, CA 93635.

Agenda

Item	Topic	Lead
1.	Call to Order/Roll Call	
2.	Grassland Basin Drainage Steering Committee to Consider Additions and Corrections to the Agenda, as Authorized by Government Code Section 54950 <i>et seq.</i>	
3.	Opportunity for Public Comment – Any member of the public may address the Grassland Basin Drainage Steering Committee concerning any matter not on the agenda, but within the Committee jurisdiction. Public comment is limited to no more than three minutes per person. For good cause, the Chair of the Grassland Basin Drainage Steering Committee may waive this limitation.	

ACTION ITEMS

- | | |
|----|---|
| 4. | Approval of November 21, 2025 Meeting Minutes |
| 5. | Committee to Consider Acceptance of the Financial Report |
| 6. | Committee to Consider Approval of the Fiscal Year 2026-27 Budget |

REPORT ITEMS

7. Committee to Receive Report on the Mud Slough Restoration Program
8. Committee to Receive Report on the Status of the Prop 84 Grant Program
9. Grassland Bypass Project Updates
 - a. Operations Report
 - b. Monitoring Program and Toxicity Data Report
10. Update on Waste Discharge Requirements for Discharge to Groundwater, Grassland Drainage Area Coalition
 - a. Nitrogen Management Zone Plan – Valley Water Collaborative; Delta-Mendota Advisory Committee
11. Reports from District Representatives
12. Reports on Other Items Pursuant to Government Code Section 54956.9(a)(3)
13. Date and Time of Next Meeting
14. Closed Session

CONFERENCE WITH LEGAL COUNSEL on Existing Litigation Pursuant to Paragraph (1) Subdivision (d) of Government Code Section 54956.9

 - A. Pacific Coast Federation of Fishermen’s Associations (PCFFA), et al. v. Nickels, et al., U.S. District Court, E.D. Cal., Case No. 2:11-cv-02980; 9th Cir. Case No. 23-15599 (GBP Citizen Suit)
 - B. Conference with Legal Counsel – Anticipated Litigation – Pursuant to Subdivision (a) and Paragraphs 2 or 3 of Subdivision (d) of Government Code Section 54956.9 (1 potential case) or Paragraph 4 of Subdivision (d) of Government Code Section 54956.9 (1 potential case)
15. Return to Open Session
16. Report from Closed Session, if any, Required by Government Code Section 54957.1
17. ADJOURNMENT

Persons with a disability may request disability-related modification or accommodation by contacting Cheri Worthy or Sandi Ginda at the San Luis & Delta-Mendota Water Authority Office, 842 6th Street, P.O. Box 2157, Los Banos, California, via telephone at (209) 826-9696, or via email at cheri.worthy@sldmwa.org. Requests should be made as far in advance as possible before the meeting date, preferably 3 days in advance of regular meetings or 1 day in advance of special meetings/workshops.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Section 54950 et seq. and has not been prepared with a view to informing an investment decision in any of the Authority's bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of the Authority's bonds, notes or other obligations and investors and potential investors should rely only on information filed by the Authority on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures, maintained on the World Wide Web at <https://emma.msrb.org/>.



Meeting Minutes

Date & Time: 11/21/2025 | 9:30 AM
Location: SLDMWA Boardroom
842 6th Street, Los Banos

San Luis & Delta-Mendota Water Authority Grassland Basin Drainage Steering Committee Regular Meeting

Attendance

Committee Members Present

Camp 13 Drainage District: David Cory, Chair
Firebaugh Canal Water District: Kevin Hurd,
Member, Arrived at 10:20 a.m.
Jeff Bryant, Alternate
Panoche Drainage District: Patrick McGowan,
Member

Rebecca Harms, Deputy General Counsel -
Telephonic
Chris Linneman, Drainage Coordinator

Others Present

Palmer McCoy, Grassland Basin Authority
Mauricio Soriano, Summers Engineering

Authority Representatives Present

Agenda

Item	Topic	Lead
1.	Call to Order/Roll Call – The meeting was called to order by Committee Chair David Cory at approximately 9:36 a.m. and roll was called. Following roll call a roster update for the Grassland Basin Drainage Steering Committee was introduced.	
2	Additions or Corrections to the Agenda of Items, as authorized by Government Code Section 54950 et seq. – No additions or corrections.	
3.	Opportunity for Public Comment – No public comment.	
4.	Grassland Basin Drainage Steering Committee to Consider Approval of the September 19, 2025 Meeting Minutes - M/S - On a motion made by Member Patrick McGowan, seconded by Alternate Member Jeff Bryant the Committee approved the September 19, 2025 meeting minutes. Vote: Ayes – Cory, Bryant, McGowan; Nays – 0; Abstentions – 0.	
5.	Committee to Consider Acceptance of Financial Expenditures Report – Drainage Coordinator Chris Linneman presented the Financial Report for the period: 3/1/2025 – 9/30/25 (receivables) and the period 3/1/25 – 9/30/25 for (Budget to Actual) and noted 67 % of the budget remains M/S - On a motion made by Member Patrick McGowan, seconded by Alternate Member Jeff Bryant the Committee accepted the Financial Expenditures Report. Vote: Ayes – Cory, Bryant, McGowan; Nays – 0; Abstentions – 0.	Linneman

6. **Committee to Consider Recommendation to Board of Directors to Approve Agreement to Assign Operation and Maintenance Services Associated with the Grassland Bypass Project Between Panoche Drainage District and Grassland Basin Authority -** Drainage Coordinator Chris Linneman referred to the Committee to Consider Recommendation to Board of Directors to Approve Agreement to Assign Operation and Maintenance Services Associated with the Grassland Bypass Project Between Panoche Drainage District and Grassland Basin Authority included in today's meeting packet and noted no changes to the original agreement between Panoche and the Water Authority were made. Following Linneman addressing questions, M/S - On a motion made by Member Patrick McGowan, seconded by Alternate Member Jeff Bryant the Committee Recommended to the Board of Directors to Approve Agreement to Assign Operation and Maintenance Services Associated with the Grassland Bypass Project Between Panoche Drainage District and Grassland Basin Authority Vote: Ayes – Cory, Bryant, McGowan; Nays – 0; Abstentions – 0. Linneman
7. **Committee to Receive Report on Draft Fiscal Year 2026 – 2027 Budget** Drainage Coordinator Chris Linneman reviewed the Draft Fiscal Year 2026 – 2027 Budget and estimated district dues for the Grassland Basin Drainage #3A (Fund 22) to the committee in detail. Linneman responded to questions from the Committee and noted he would incorporate any adjustments from the committee and bring back next month for approval. Linneman
8. **Committee to Receive Report on Mud Slough Restoration Project -** Drainage Coordinator Chris Linneman reported project did pass the CEQA review and consultation. He continues to work with California State Fish and Wildlife on restoration. Linneman
9. **Committee to Receive Report on the Status of the Prop 84 Grant Program –** Drainage Coordinator Chris Linneman reported the Prop 84 Grant is still progressing on the San Joaquin River Water Quality Improvement Project (SJRWQIP), with funded projects moving forward. Linneman concluded by stating; some of the left-over funds could be utilized for other projects such as a culvert under the Outside Canal to divert flood flow off the project. Linneman
10. **Grassland Bypass Project Updates –**
 - a. Operations Report – Drainage Coordinator Chris Linneman explained no discharges in 2025 have occurred and then referred to maps detailing all the discharge points for the project in today's meeting packet. A graph of Sites A and B discharge amounts and rainfall events through November 19, 2025 was reviewed. Mud Slough selenium, flow, goals and averages for January 1, 2025–October, 2025 was reviewed. Next the Site D Mud Slough (North) Downstream San Luis Drain – selenium concentration on a daily, 7-day average and monthly average selenium concentrations and Linneman

goals were presented with Mud Slough Selenium levels below 1 part per billion. Linneman concluded by reporting on Site B Monthly Salt Load and Site R Selenium concentrations. Linneman noted selenium requirements continue to be attained at all sites.

- b. **Monitoring Program and Toxicity Data Report** – Drainage Coordinator Chris Linneman presented and the Committee reviewed toxicity data for September and October 2025. Linneman noted a failure (not Toxicity) in the September event. The Committee gave direction to release the Toxicity data.

- 11. **Update on Waste Discharge Requirements for Discharge to Groundwater Water for the Grassland Drainage Area Coalition**
 - a. **Nitrogen Management Zone Plan - Valley Water Collaborative; Delta – Mendota Advisory Committee** - Drainage Coordinator Chris Linneman explained the Valley Water Collaborative is process is moving forward on priority 2 basins with reports due in the near future. Starting outreach on wells that may contain nitrates.
- 12. **Reports from District Representatives** – Mauricio Soriano discussed some of what is planned for him in reference to drainage activities.
- 13. **Reports on Other Items Pursuant to Government Code Section 54954.2 (a)(3)** – No other items were presented.
- 14. **Date and Time of Next Meeting** - It was noted the next meeting will be December 12, 2025, at 9:30 a.m.
- 15. **Closed Session** - The Committee did not assemble to Closed Session. However, a brief legal issues report was made by Deputy General Counsel Rebecca Harms.
- 16. **Return to Open Session – No Closed Session occurred.**
- 17. **Report from Closed Session, if Required by Government Code Section 54957.1 – No Report.**
- 18. **Adjournment** - Chairman David Cory adjourned the meeting of the Grassland Basin Drainers Steering Committee at 10:26 a.m.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
MARCH 1, 2025 - FEBRUARY 28, 2026
GRASSLAND BASIN DRAINAGE #3A (FUND 22)
ACTIVITY AGREEMENTS BUDGET TO ACTUAL

Report Period 3/1/25 -10/31/25

EXPENDITURES	Annual Budget		Paid/ Expense	Amount Remaining	% of Amt Remaining	Expenses Through
<u>Legal:</u>						
Pioneer Law Group - CEQA Legal Consultant / Matarazzo Law	\$ 20,000	1	\$ -	\$ 20,000	100%	
Cotchett, Pitre & McCarthy	\$ 30,000	1	\$ -	\$ 30,000	100%	
Kahn, Soares & Conway	\$ 10,000	1	\$ 3,802	\$ 6,198	62%	10/31/25
Misc. Legal Support	\$ 10,000	1	\$ 1,475	\$ 8,525	85%	8/31/25
<u>GBD Specific:</u>						
Drainage Coordinator (Summers)	\$ 150,000	1	\$ 69,198	\$ 80,802	54%	10/31/25
Quality Data Processing/Load Calc (Summers)	\$ 150,000	1	\$ 104,167	\$ 45,833	31%	10/31/25
Flow Calculation/Station Maint. (Summers)	\$ 110,000	1	\$ 61,511	\$ 48,489	44%	10/31/25
Panoche Creek Gauging Station	\$ 9,730	1	\$ 5,530	\$ 4,200	43%	4/8/25
Water Quality Monitoring (Reg. Sites)	\$ 250,000	1	\$ 102,380	\$ 147,620	59%	10/28/25
Newman Water Costs	\$ 123,658	1	\$ -	\$ 123,658	100%	
Restoration of Mud Slough Channel (Newman Land)	\$ 75,000	1	\$ 1,919	\$ 73,081	97%	9/30/25
Waste Discharge Permit Fees	\$ 21,150	1	\$ -	\$ 21,150	100%	
SJRIP Monitor Wells	\$ 5,000	1	\$ -	\$ 5,000	100%	
GBD Reporting	\$ 25,000	1	\$ 23,445	\$ 1,555	6%	10/31/25
<u>New UA Mud Slough Mitigation:</u>						
Remove Sediment in SLD	\$ 50,000	1	\$ -	\$ 50,000	100%	
<u>Biological Monitoring:</u>						
Pacific Eco Risk	\$ 105,000	1	\$ 72,431	\$ 32,569	31%	10/31/25
HT Harvey-SJRIP Egg Monitoring	\$ 100,000	1	\$ 77,916	\$ 22,084	22%	10/16/25
Fish Biologist - Splittail/Sturgeon	\$ 16,000	1	\$ 14,521	\$ 1,479	9%	10/16/25
<u>Groundwater WDR Specific:</u>						
Membership Enrollment/List (Summers)	\$ 100,000	2	\$ 30,541	\$ 69,459	69%	10/31/25
Farm Evaluation Plan (Summers)	\$ 45,000	2	\$ 7,292	\$ 37,708	84%	10/31/25
NMP Summary Report	\$ 25,000	2	\$ 13,385	\$ 11,615	46%	9/3/25
MPEP Group Workplan	\$ 5,400	2	\$ 1,240	\$ 4,160	77%	10/14/25
Groundwater Protection Formula	\$ 5,000	2	\$ -	\$ 5,000	100%	
CVSalts Nitrate Compliance	\$ 50,000	2	\$ -	\$ 50,000	100%	
Prioritization and Optimization Study-CVSalts	\$ 15,500	2	\$ 9,552	\$ 5,948	38%	7/31/25
Trend Monit Prgm	\$ 84,000	2	\$ 39,004	\$ 44,996	54%	10/13/25
Develop Web Portal	\$ 3,500	2	\$ 4,200	\$ (700)	-20%	7/31/25
Collect State Board Fee	\$ 123,000	2	\$ 40,947	\$ 82,053	67%	3/5/25
Annual Monitoring Report (Summers)	\$ 30,000	2	\$ 7,292	\$ 22,708	76%	10/31/25
CVGMC Data	\$ 2,311	2	\$ 3,731	\$ (1,420)	-61%	10/1/25
<u>Other:</u>						
General Counsel	\$ 35,000	1	\$ 564	\$ 34,436	98%	10/3/25
Deputy General Counsel	\$ -		\$ 290	\$ (290)	0%	10/17/25
In-House Staff	\$ 3,250	1	\$ 2,148	\$ 1,102	34%	10/31/25
Dissolved Oxygen Aerator	\$ 6,250	1	\$ -	\$ 6,250	100%	
Total Expenditures	\$ 1,793,749		\$ 698,481	\$ 1,095,268	61%	

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
GRASSLAND BASIN DRAINAGE
ACCOUNTS RECEIVABLE REPORT
FISCAL YEAR 03/01/25 - 02/28/26

		Grassland Basin Drainage Fund 22		Total
Report Period: 3/1/25-10/31/25				
Report Date: 12/10/25				
Receivable Balance at September 30, 2025		\$	288,278.00	\$ 288,278.00
Billings:				
	Total Billings:	\$	-	\$ -
Collections:				
	Panoche Drainage District	\$	52,243.00	\$ 52,243.00
	Total Collections:	\$	52,243.00	\$ 52,243.00
Receivable Balance at October 31, 2025		\$	236,035.00	\$ 236,035.00
Outstanding Accounts:				
FY25 Membership Outstanding				
	Camp 13 Drainage District	\$	36,327.00	\$ 36,327.00
FY26 Membership Outstanding				
	Camp 13 Drainage District	\$	42,982.00	\$ 42,982.00
	Panoche Drainage District	\$	156,726.00	\$ 156,726.00
		\$	236,035.00	\$ 236,035.00
Outstanding Grand Total		\$	236,035.00	\$ 236,035.00

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
MARCH 1, 2025 - FEBRUARY 28, 2026
GRASSLAND BASIN DRAINAGE #3A (FUND 22)
ACTIVITY AGREEMENTS BUDGET TO ACTUAL

FY26 Projections & FY27 Budget
DRAFT 3 - SUBJECT TO REVISION

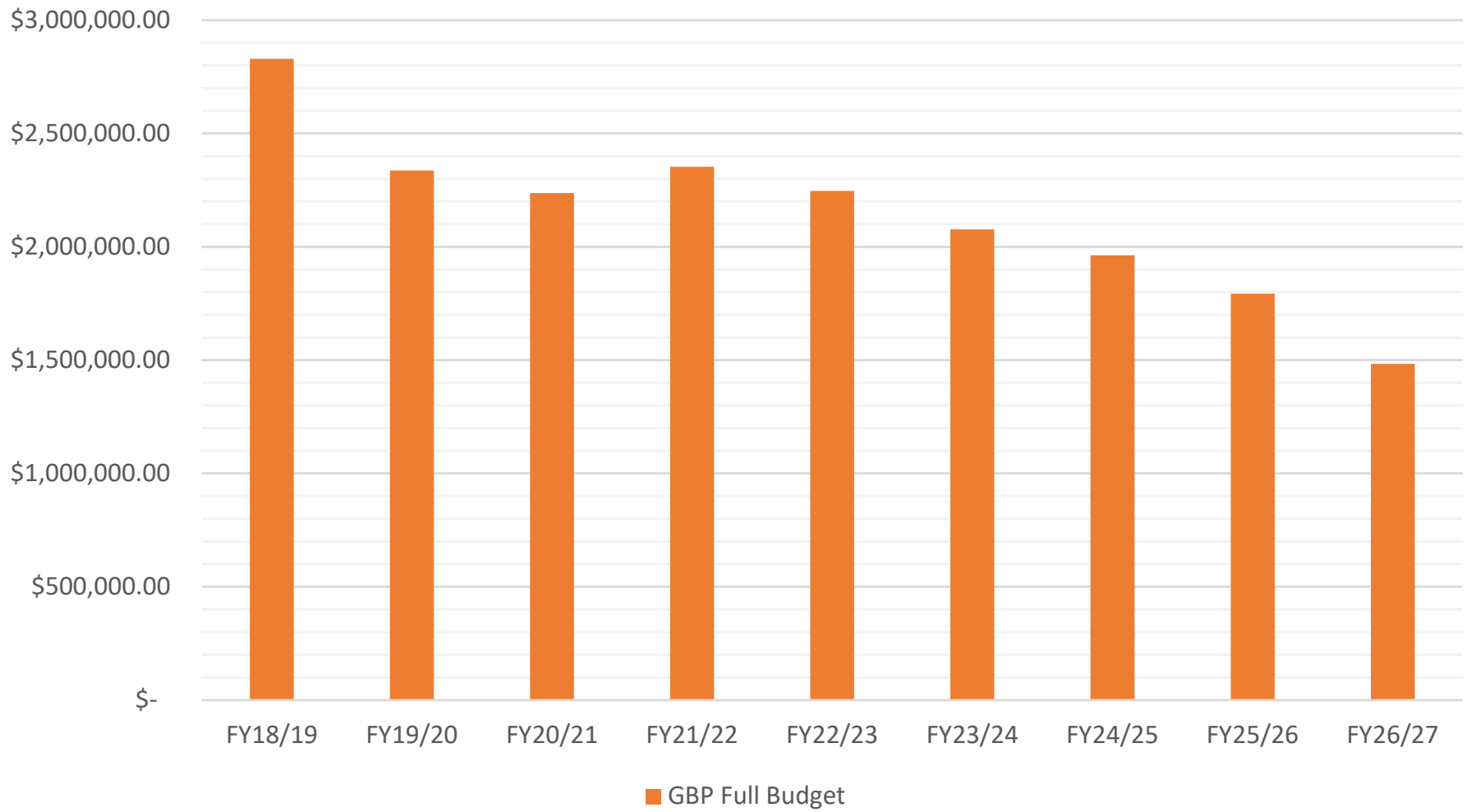
EXPENDITURES		Annual		Paid/	Amount	% of Amt	Expenses	FY26	FY27
		Budget		Expense	Remaining	Remaining	Through	Projected	Draft 1
								Expenses	
<u>Legal:</u>									
1	Pioneer Law Group - CEQA Legal Consultant	\$ 20,000	1	\$ -	\$ 20,000	100%		\$ 150	\$ -
2	Cotchett, Pitre & McCarthy	\$ 30,000	1	\$ -	\$ 30,000	100%		\$ 5,000	
3	Kahn, Soares & Conway	\$ 10,000	1	\$ 3,549	\$ 6,451	65%	9/30/25	\$ 7,500	
4	Misc. Legal Support	\$ 10,000	1	\$ 1,475	\$ 8,525	85%	8/31/25	\$ 3,000	\$ 20,000.00
<u>GBD Specific:</u>									
5	Drainage Coordinator (Summers)	\$ 150,000	1	\$ 47,681	\$ 102,319	68%	8/31/25	\$ 120,000	\$ 120,000.00
6	Quality Data Processing/Load Calc (Summers)	\$ 150,000	1	\$ 83,740	\$ 66,260	44%	9/3/25	\$ 150,000	\$ 150,000.00
7	Flow Calculation/Station Maint. (Summers)	\$ 110,000	1	\$ 45,910	\$ 64,090	58%	8/31/25	\$ 91,820	\$ 92,000.00
8	Panoche Creek Gauging Station	\$ 9,730	1	\$ 5,530	\$ 4,200	43%	4/8/25	\$ 9,730	\$ 10,050.00
9	Water Quality Monitoring (Reg. Sites)	\$ 250,000	1	\$ 88,957	\$ 161,043	64%	9/25/25	\$ 230,000	\$ 215,000.00
10	Newman Water Costs	\$ 123,658	1	\$ -	\$ 123,658	100%		\$ 123,658	\$ 126,131.00
11	Restoration of Mud Slough Channel (Newman Land)	\$ 75,000	1	\$ 1,809	\$ 73,191	98%	7/31/25	\$ 2,500	\$ 30,000.00
12	Waste Discharge Permit Fees	\$ 21,150	1	\$ -	\$ 21,150	100%		\$ 21,150	\$ 23,000.00
13	SJRIP Monitor Wells [moved to GBA]	\$ 5,000	1	\$ -	\$ 5,000	100%		\$ -	\$ -
14	GBD Reporting	\$ 25,000	1	\$ 22,339	\$ 2,661	11%	8/31/25	\$ 25,000	\$ 25,000.00
<u>New UA Mud Slough Mitigation:</u>									
15	Remove Sediment in SLD [moved to GBA]	\$ 50,000	1	\$ -	\$ 50,000	100%		\$ -	\$ -
<u>Biological Monitoring:</u>									
16	Pacific Eco Risk	\$ 105,000	1	\$ 56,425	\$ 48,575	46%	9/30/25	\$ 100,000	\$ 105,000.00
17	HT Harvey-SJRIP Egg Monitoring	\$ 100,000	1	\$ 77,522	\$ 22,478	22%	9/15/25	\$ 100,000	\$ 100,000.00
18	Fish Biologist - Splittail/Sturgeon	\$ 16,000	1	\$ 13,840	\$ 2,160	14%	9/15/25	\$ 16,000	\$ 16,000.00
<u>Groundwater WDR Specific:</u>									
20	Membership Enrollment/List	\$ 100,000	2	\$ 22,869	\$ 77,131	77%	9/3/25	\$ 25,000	\$ 30,000.00
21	Farm Evaluation Plan	\$ 45,000	2	\$ 4,152	\$ 40,848	91%	8/31/25	\$ 10,000	\$ 45,000.00
22	INMP Summary Report	\$ 25,000	2	\$ 7,419	\$ 17,581	70%	9/3/25	\$ 29,500	\$ 21,000.00
23	MPEP Group Workplan	\$ 5,400	2	\$ 1,067	\$ 4,333	80%	9/10/25	\$ 5,400	\$ 5,400.00
24	Groundwater Protection Formula	\$ 5,000	2	\$ -	\$ 5,000	100%		\$ -	\$ 5,000.00
25	CVSalts Nitrate Compliance + VWC	\$ 50,000	2	\$ -	\$ 50,000	100%		\$ 27,000	\$ 35,000.00
26	Prioritization and Optimization Study-CVSalts	\$ 15,500	2	\$ 9,552	\$ 5,948	38%	7/31/25	\$ 15,500	\$ 15,500.00
27	Trend Monit Prgm	\$ 84,000	2	\$ 35,293	\$ 48,707	58%	9/16/25	\$ 90,000	\$ 88,000.00
28	Develop Web Portal	\$ 3,500	2	\$ 4,200	\$ (700)	-20%	7/31/25	\$ 4,200	\$ 4,200.00
29	State Board Fee	\$ 123,000	2	\$ 40,947	\$ 82,053	67%	7/31/25	\$ 122,840	\$ 128,982.00
30	Annual Monitoring Report (Summers)	\$ 30,000	2	\$ 4,331	\$ 25,669	86%	8/31/25	\$ 10,000	\$ 15,000.00
31	CVGMC Group	\$ 2,311	2	\$ 3,153	\$ (842)	-36%	9/16/25	\$ 4,500	\$ 35,000.00
<u>Other:</u>									
32	General Counsel	\$ 35,000	1	\$ 139	\$ 34,861	100%	9/30/25	\$ 5,000	\$ 10,000.00
33	Deputy General Counsel	\$ -		\$ 119	\$ (119)	0%	8/31/25	\$ 356	\$ 5,000.00
34	In-House Staff	\$ 3,250	1	\$ 1,743	\$ 1,507	46%	9/30/25	\$ 3,250	\$ 3,000.00
35	Dissolved Oxygen Aerator	\$ 6,250	1	\$ -	\$ 6,250	100%		\$ 6,250	\$ 6,250.00
36	Other Services & Expenses	\$ -	1	\$ -	\$ -			\$ -	\$ -
37	Telephone	\$ -	1	\$ -	\$ -			\$ -	\$ -
Total Expenditures		\$ 1,793,749		\$ 583,760	\$ 1,209,989	67%		\$ 1,364,304	\$ 1,484,513

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
MARCH 1, 2026 - FEBRUARY 28, 2027 - PROVISIONAL & SUBJECT TO REVISION
GRASSLAND BASIN DRAINAGE #3A (FUND 22)
DISTRICT DUES

Full Dues						
DISTRICT	Grassland Bypass Allocation			Groundwater Specific		Total
	Percent	Amount		Percent	Amount	
Camp 13	2.40%	\$ 25,354.34		5.989%	\$ 25,637.83	\$ 50,992.17
Charleston Drainage District	3.29%	\$ 34,756.58		4.674%	\$ 20,008.55	\$ 54,765.13
Firebaugh Canal Water District	17.95%	\$ 189,629.36		26.480%	\$ 113,356.11	\$ 302,985.48
Pacheco Water District	8.67%	\$ 91,592.57		5.701%	\$ 24,404.95	\$ 115,997.52
Panoche Drainage District	67.69%	\$ 715,098.14		49.139%	\$ 210,355.21	\$ 925,453.36
SJRIIP				6.993%	\$ 29,935.77	\$ 29,935.77
Private Lands not in a district				1.024%	\$ 4,383.56	\$ 4,383.56
TOTALS		\$ 1,056,431.00			\$ 428,082.00	\$ 1,484,513.00
Estimated Carryover:	\$ 329,444.90	\$ 234,444.43			\$ 95,000.47	

Adjusted for Carryover						
DISTRICT	Grassland Bypass Allocation			Groundwater Specific		Total
	Percent	Amount		Percent	Amount	
Camp 13	2.40%	\$ 19,727.68		5.989%	\$ 19,948.25	\$ 39,675.93
Charleston Drainage District	3.29%	\$ 27,043.36		4.674%	\$ 15,568.23	\$ 42,611.59
Firebaugh Canal Water District	17.95%	\$ 147,546.59		26.480%	\$ 88,199.99	\$ 235,746.58
Pacheco Water District	8.67%	\$ 71,266.24		5.701%	\$ 18,988.98	\$ 90,255.21
Panoche Drainage District	67.69%	\$ 556,402.71		49.139%	\$ 163,672.93	\$ 720,075.64
SJRIIP				6.993%	\$ 23,292.39	\$ 23,292.39
Private Lands not in a district				1.024%	\$ 3,410.75	\$ 3,410.75
TOTALS		\$ 821,986.57			\$ 333,081.53	\$ 1,155,068.10

GBP Budget



Legend

— Channels cleaned of drainwater by the GBP

Channels Containing Drainage

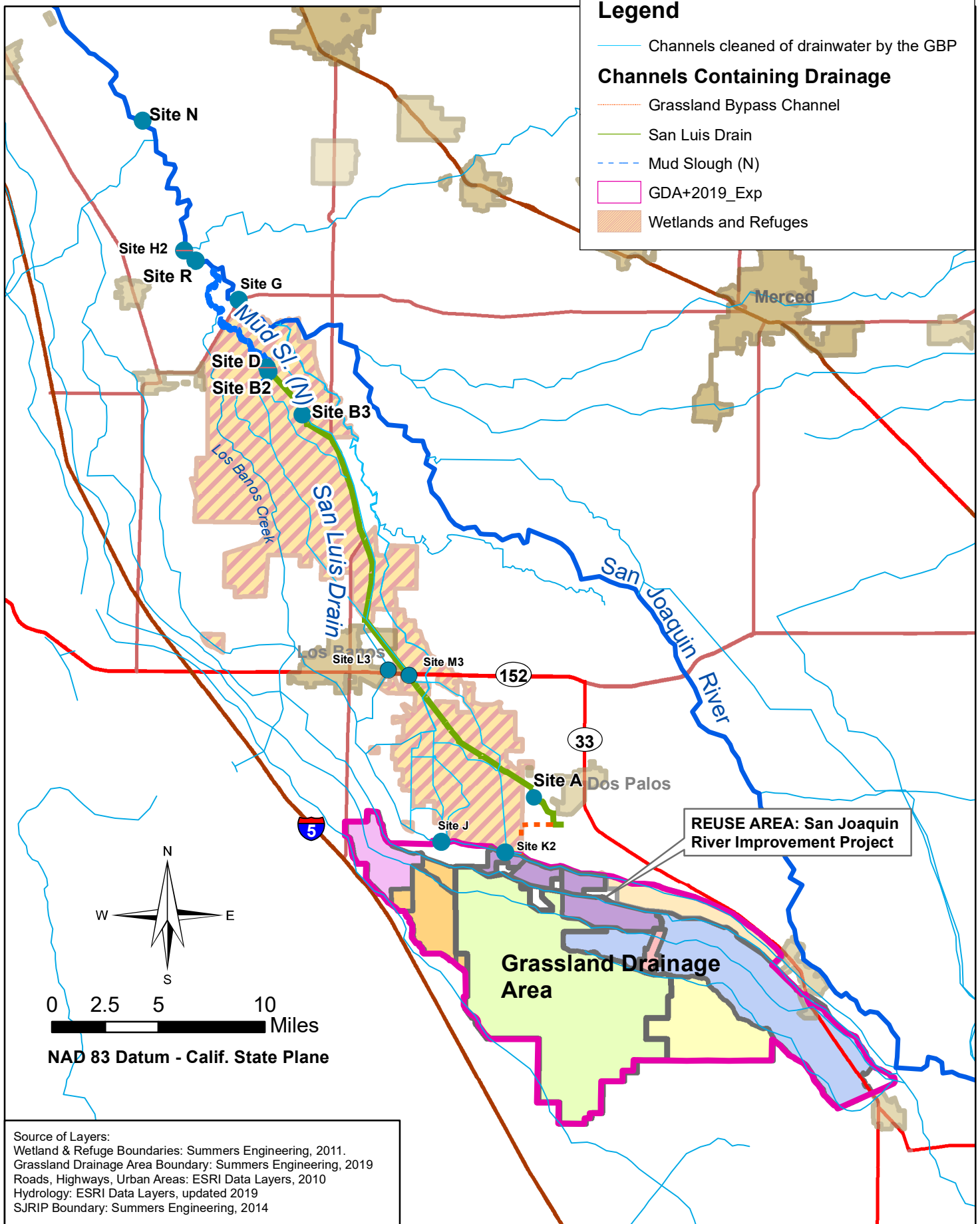
— Grassland Bypass Channel

— San Luis Drain

— Mud Slough (N)

□ GDA+2019_Exp

■ Wetlands and Refuges



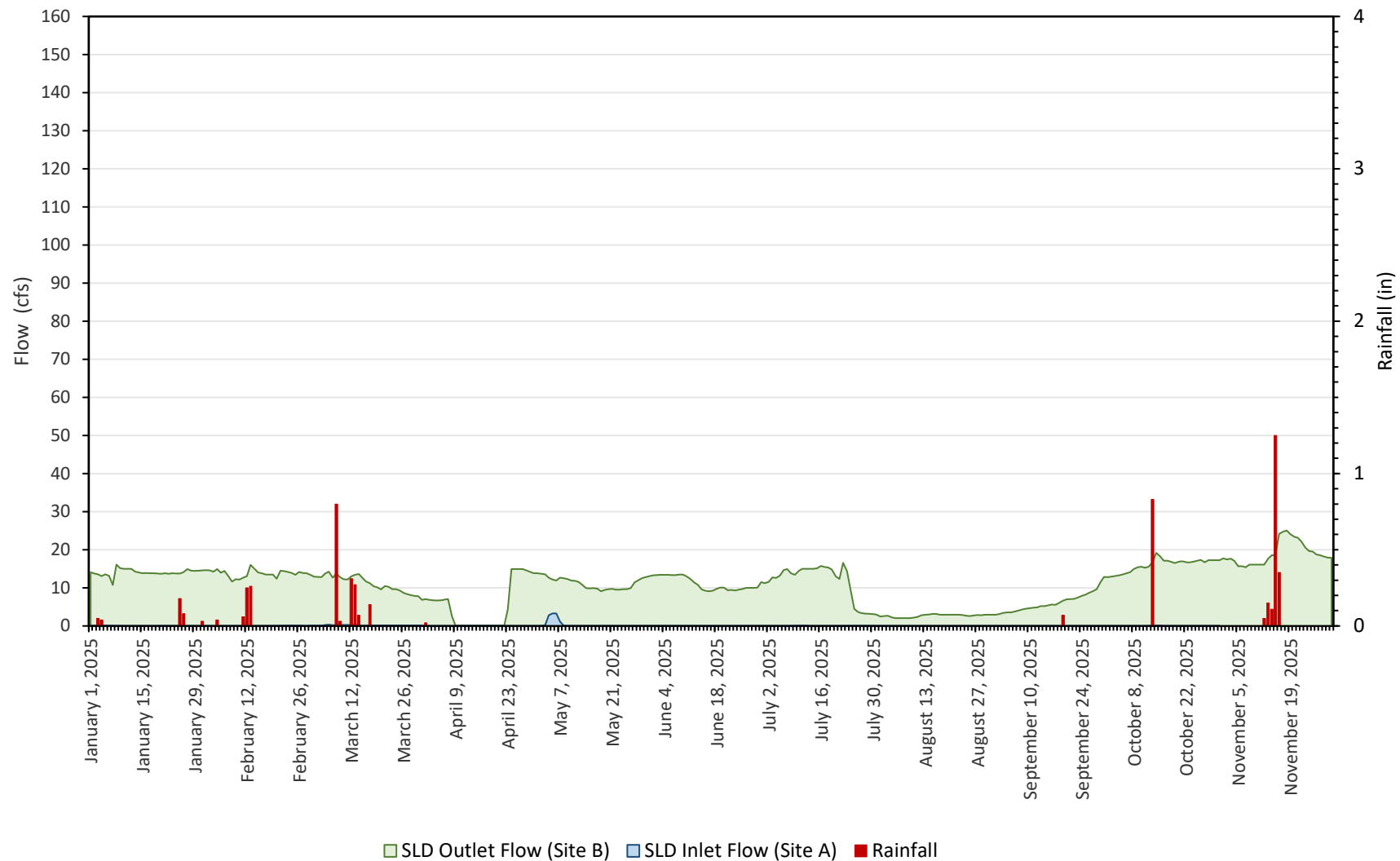
Source of Layers:
Wetland & Refuge Boundaries: Summers Engineering, 2011.
Grassland Drainage Area Boundary: Summers Engineering, 2019
Roads, Highways, Urban Areas: ESRI Data Layers, 2010
Hydrology: ESRI Data Layers, updated 2019
SJRIIP Boundary: Summers Engineering, 2014

Document Path: G:\data\ARCVIEWMAPS\GBP\LRP\GBP Basemap+Monitoring.mxd

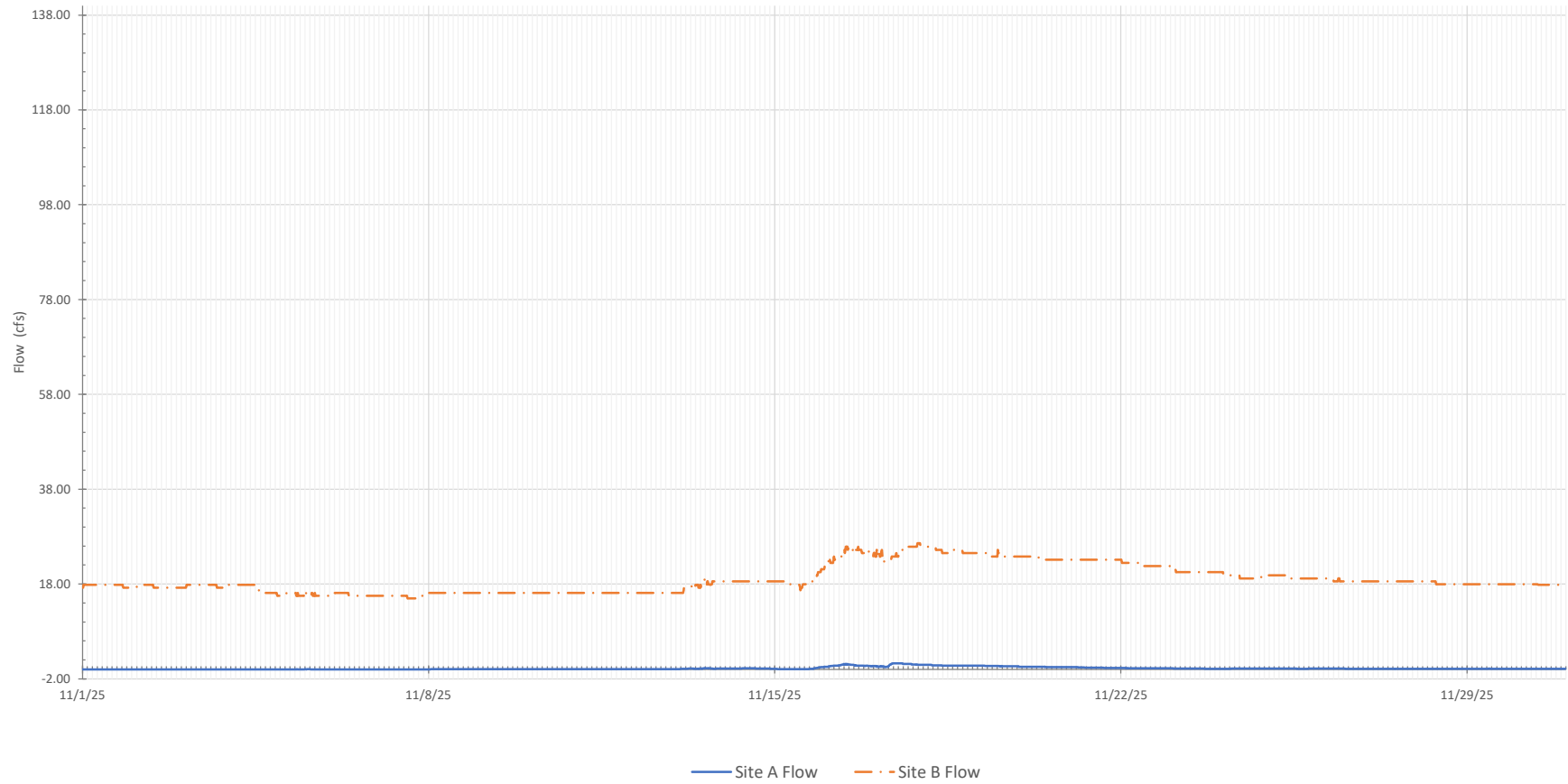
Grassland Bypass Project Location Map

Prepared by:
Summers Engineering, Inc.
Consulting Engineers
Hanford California

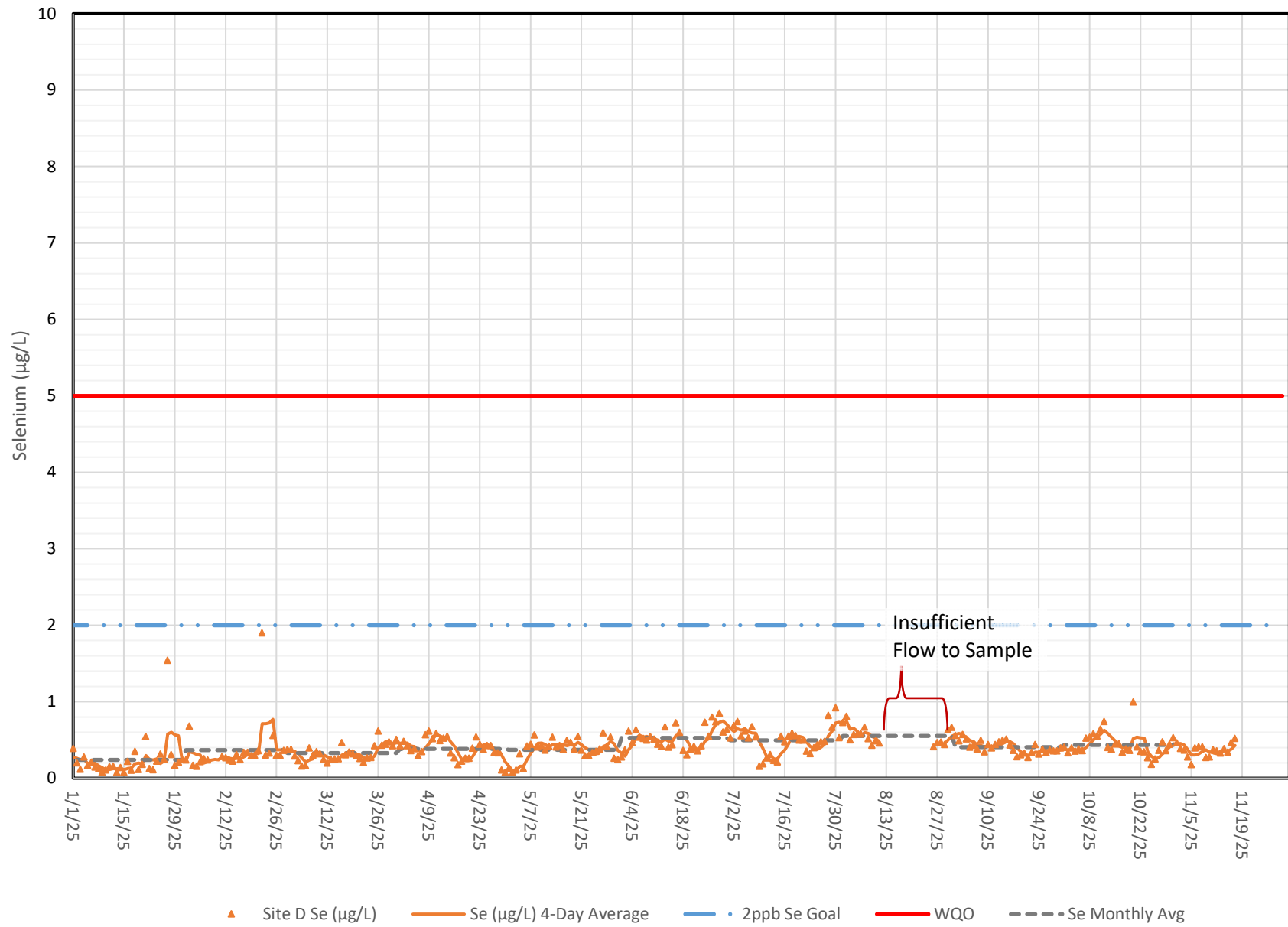
Grassland Bypass Project - Site A & B Discharge & Rainfall



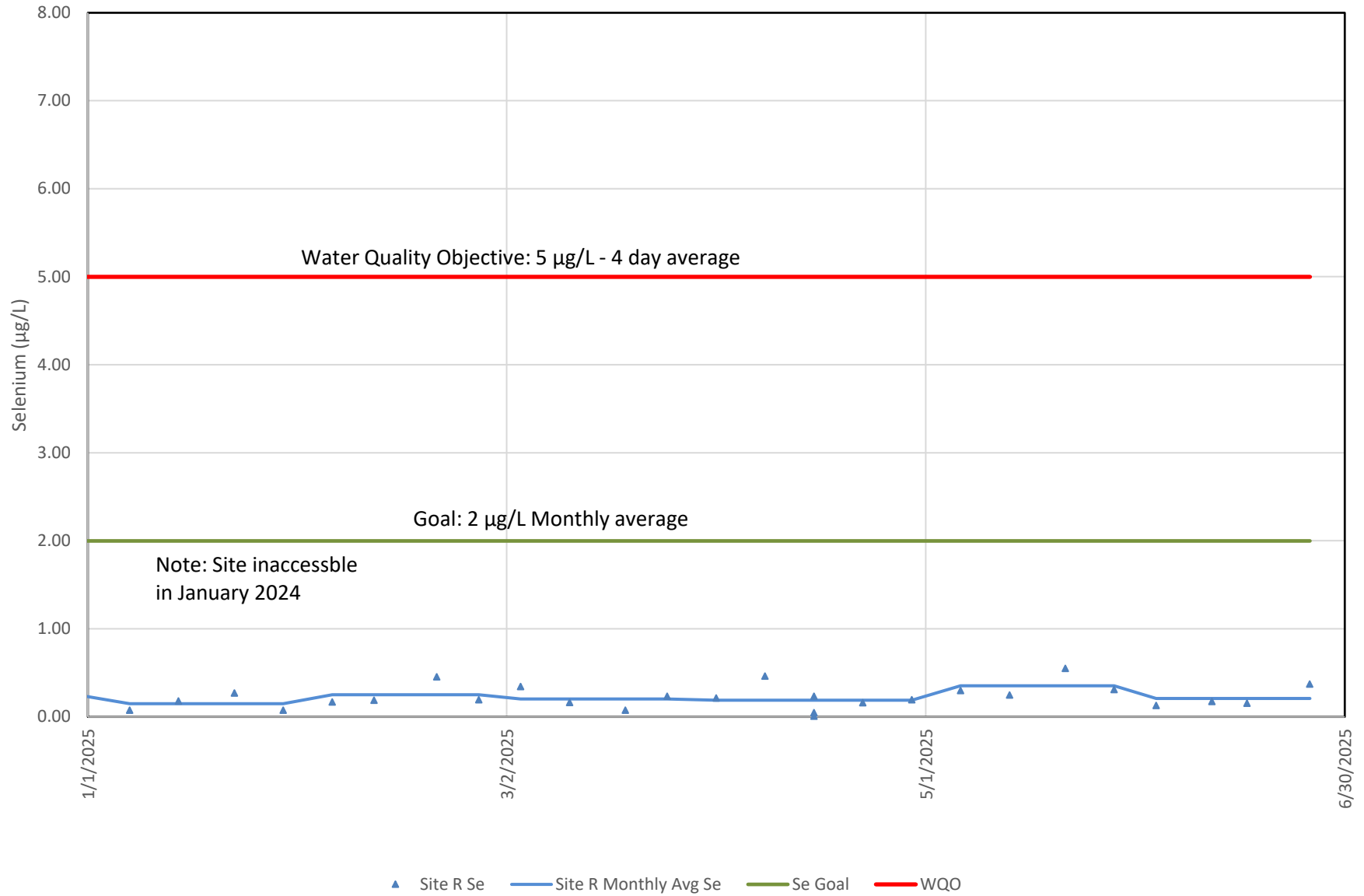
Site A & B Flow
2025

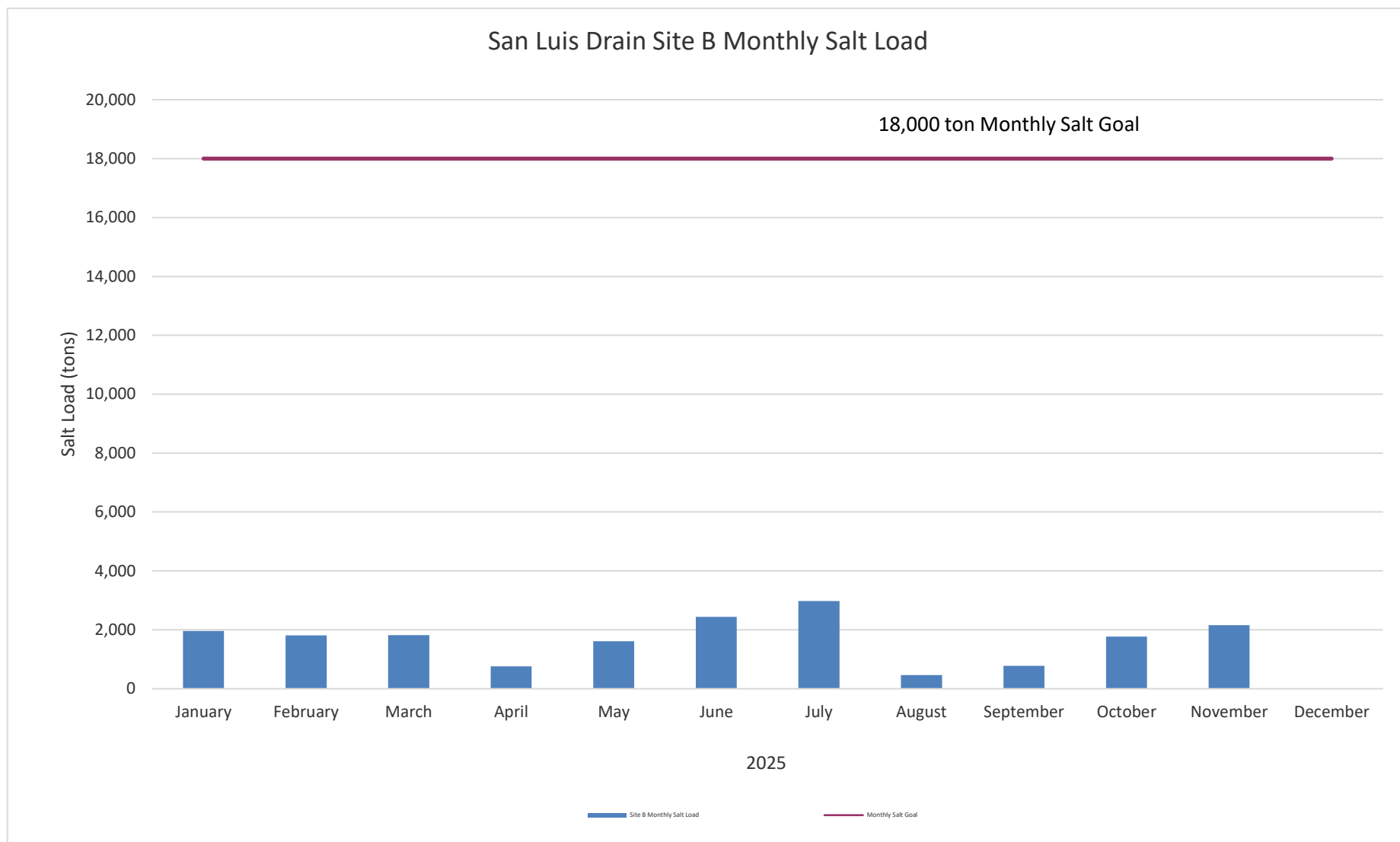


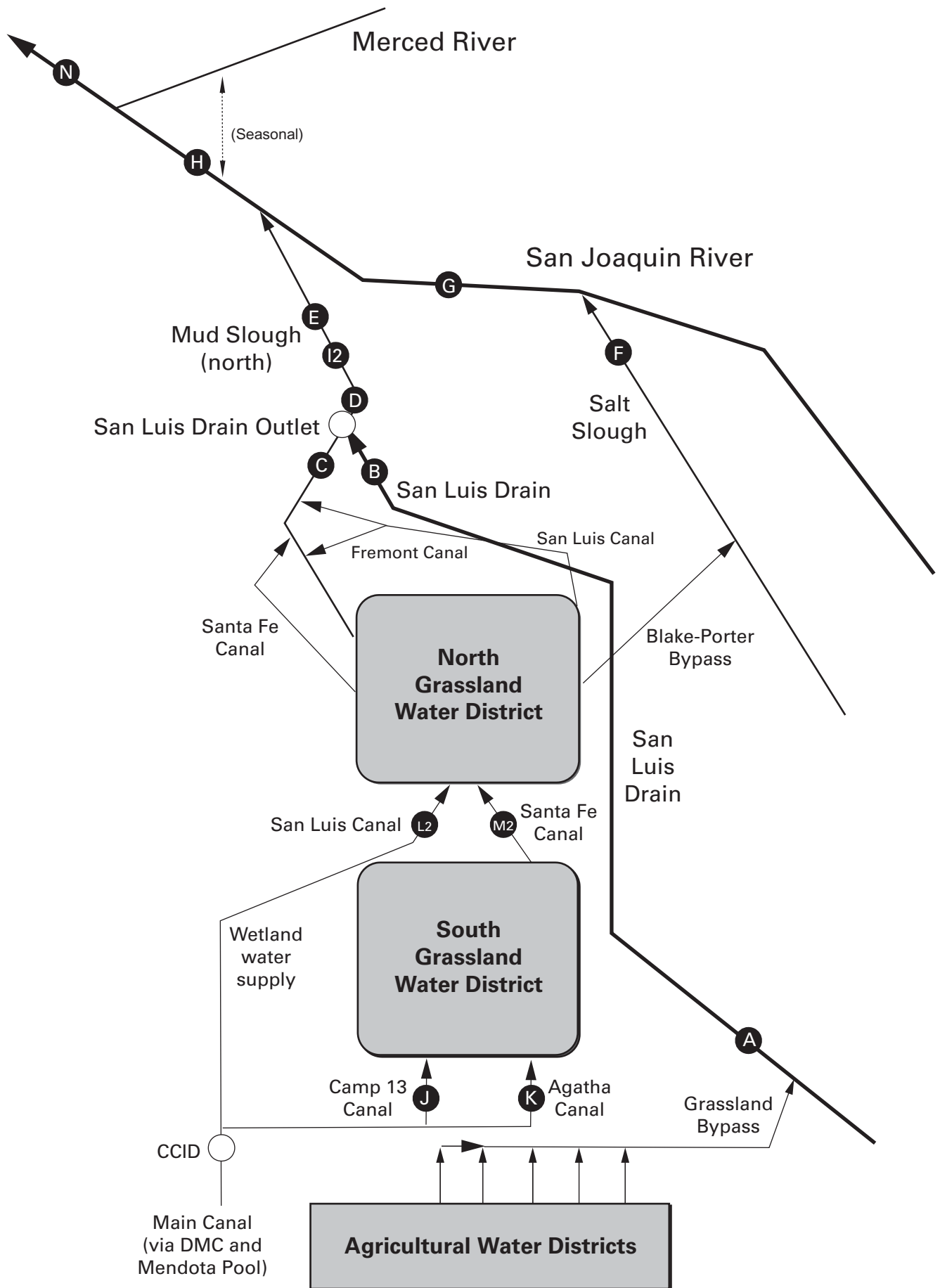
Mud Slough Selenium



Site R - San Joaquin River downstream of Mud Slough - Selenium Concentrations







3. RESULTS

3.1 Effects of the Grasslands Bypass Project Ambient Water on *Selenastrum capricornutum*

The results for this testing are summarized in Table 2. TST analysis resulted in a pass, indicating that the samples were not toxic for the growth endpoint. The test data and summary of statistical analyses for this testing are presented in Appendix B.

Table 2. Effects of Grasslands Bypass Project ambient water on <i>Selenastrum capricornutum</i>			
Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10 ⁶)	TST Analysis	% Effect
Lab Water Control	2.32		
GBP-128-D-TE	5.39	Pass	-133%
GBP-128-B3-TE	3.53	Pass	-53%
GBP-128-F-TE	5.68	Pass	-146%
GBP-128-R-TE	5.64	Pass	-143%

3.2 Effects of the Grasslands Bypass Project Ambient Water on *Daphnia magna*

The results for this testing are summarized in Table 3. TST analysis resulted in a pass, indicating that the samples were not toxic survival endpoint. The test data and summary of statistical analyses for this testing are presented in Appendix C.

Table 3. Effects of Grasslands Bypass Project ambient water on <i>Daphnia magna</i> .			
Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-128-D-TE	100	Pass	0.0%
GBP-128-B3-TE	100	Pass	0.0%
GBP-128-F-TE	100	Pass	0.0%
GBP-128-R-TE	100	Pass	0.0%



3.3 Effects of the Grasslands Bypass Project Ambient Water on Fathead Minnows

The results for this testing are summarized in Table 4. TST analysis resulted in a pass, indicating that the samples were not toxic survival endpoint. The test data and summary of statistical analyses for this testing are presented in Appendix D.

Table 4. Effects of Grasslands Bypass Project ambient water on fathead minnows.			
Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-128-D-TE	95.0	Pass	5.0%
GBP-128-B3-TE	100	Pass	0.0%
GBP-128-F-TE	100	Pass	0.0%
GBP-128-R-TE	100	Pass	0.0%

