San Luis & Delta-Mendota WATER AUTHORITY

Grassland Basin Drainage Steering Committee
Regular Meeting of the Steering Committee

Friday, June 20, 2025 ~ 9:30 a.m.

San Luis & Delta-Mendota Water Authority Boardroom
842 6th Street, Los Banos, California

Telephonic Participation
Conference Call Dial-in: 1-623-600-3769
Conference Code: 518817

AGENDA

NOTE: Any member of the public may address the GBD Steering Committee concerning any item on the agenda before or during consideration of that item, as appropriate. For each item, public comment is limited to no more than three minutes per person. For good cause, the Committee Chair may waive this limitation. Committee Members/Alternates may discuss items listed on the agenda or add to the agenda as necessary, in accordance with Government Code section 54954.2, subd. (b)(2).

1. Call to Order/Roll Call
2. Corrections or Additions to the Agenda, as authorized by Government Code section 54950 et seq.
3. Opportunity for Public Comment

Action Items

4. **Committee to Consider Approving February 21, 2025 Regular Meeting Minutes**
5. **Committee to Consider Acceptance of the Financial Report**

Report Items

6. Committee to Receive Report on the Mud Slough Restoration Program
7. Committee to Receive Report on the Status of the Prop 84 Grant Program

8. Grassland Bypass Project Updates:
    a. Operations Report
    b. Monitoring Program and Toxicity Data Report
    c. Summary of June 11, 2025 Growers Workshop

9. 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.

10. Reports from District Representatives

11. Reports on Other Items Pursuant to Government Code Section 54954.2(a)(3)

12. Date and Time of Next Meeting

13. 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, et al. v. Conant, et al. (formerly Glaser, et al.), U.S. District Court, E.D. Cal., Case No. 2:11-cv-02980; 9th Cir. Case No. 23-15599

    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)

14. Return to Open Session

15. Report from Closed Session, if Required by Government Code Section 54957.1

16. 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 or sandi.ginda@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/.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/.

SAN LUIS & DELTA – MENDOTA WATER AUTHORITY GRASSLAND BASIN STEERING COMMITTEE MEETING MINUTES
February 21, 2025

The Board of Directors of the Grassland Basin Drainage Steering Committee (GBDSC) met at 9:38 a.m. at 842 6th Street, Los Banos, California with Chairman David Cory presiding.

Directors and Alternate Directors in Attendance

Camp 13 Drainage District
David Cory, Chairman

Charleston Drainage District
Jake Barcellos, Member

Firebaugh Canal Water District
Kevin Hurd, Member Jeff Bryant, Alternate

Panoche Drainage District
Patrick McGowan, Alternate

SLDMWA Staff Present
Rebeca Harms, Deputy General Counsel (Via Telephonic)
Chris Linneman, Drainage Coordinator
Lauren Viers, Accounting Manager

Others Present
Chase Hurley, Pacheco Water District
Palmer McCoy, Grassland Basin Authority

1. **Call to Order / Roll Call** - Chairmen David Cory called the meeting to order and requested self-introductions.

2. **Corrections or Additions to the Agenda** - No corrections or additions.

3. **Opportunity for Public Comment** - No public comment.

4. **Committee to Consider Acceptance of November 15, 2024 Meeting Minutes**

After review of the November 15, 2024 Grassland Basin Drainage Steering Committee (GBDSC) meeting minutes, it was noted Chris Linneman not David Cory was to sit on the Nitrogen Management Zone Plan, Valley Water Collaborative; Delta – Mendota Advisory Committee.

Committee Member Kevin Hurd moved to accept the November 15, 2024 minutes as corrected, the motion was seconded by Alternate Committee Member Patrick McGowen and passed unanimously.

AYES:	Cory, Barcellos, Hurd, McGowan
NAYS:	None
ABSTENTIONS:	None

5. Committee to Consider Acceptance of Financial Expenditures Report.

Drainage Coordinator Chris Linneman discussed the estimated dues for the member agencies in Fiscal Year 25-26. Linneman addressed questions on carryover funds, reserve funds and noted an adjusted cash carryover amount of $588,097. The Committee requested Linneman use the dues calculations that reflected the cash carryover amount. Linneman then presented the Financial Report for the period: 1/31/24 – 1/31/25 (receivables) and the period 3/1/24 – 12/31/24 for (Budget to Actual) and noted 54 % of the budget remains. Committee Member Kevin Hurd moved for acceptance of the Financial Expenditures Report as presented; the motion was seconded by Committee Member Patrick McGowen and passed unanimously.

AYES:	Cory, Barcellos, Hurd, McGowan
NAYS:	None
ABSTENTIONS:	None

6. Committee to Receive Report on Mud Slough Restoration Project

Drainage Coordinator Chris Linneman reported no activity on the project.

7. Committee to Receive Report on the Status of the Prop 84 Grant Program

Drainage Coordinator Chris Linneman reported the Prop 84 Grant is still moving forward on the San Joaquin River Water Quality Improvement Project (SJRWQIP), with approximately $16 Million remaining all of which is allocated to a project. Linneman concluded by stating; a new pump station project and field consolidation continue.

8. Grassland Bypass Project Updates

a. Operations Report – Drainage Coordinator Chris Linneman 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 January 27, 2025 was reviewed. Mud Slough selenium, flow, goals and averages for January 1, 2024– January 27, 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 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. Linnemann noted selenium requirements have been attained at all sites.

b. **Monitoring Program and Toxicity Data Report** – Drainage Coordinator Chris Linneman presented and the Committee reviewed events 116,117 and 118; samples collected November 4, 2024, December 9, 2024 and January 22, 2025. Linneman noted no toxicity in the events. The Committee gave direction to release the Toxicity data.

c. **Summary of Annual Stakeholder Meeting** - Drainage Coordinator Chris Linneman noted this meeting was for our Waste Discharge requirements was attended by Regional Board Staff, Reclamation, Contra Costa and others. Linneman noted the meeting went well and was uneventful.

9. **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 all plans have been submitted. David Cory noted the will be assembling next week.

10. **Reports from District Representatives** – Chase Hurly inquired about the consolidation of the Grassland Basin Drainers and the Grassland Basin Authority. It was noted a few legal issues need to be resolved before a consolidation can occur.

11. **Reports on Other Items Pursuant to Government Code Section 54954.2 (a)(3)** – No other items were presented.

12. **Date and Time of Next Meeting**
    It was noted the next meeting will be March 21, at 9:30 a.m.

13. **Closed Session** -No Closed Session occurred.

14. **Return to Open Session** - No Closed Session occurred.

15. Report from Closed Session, if Required by Government Code Section 54957.1

No Report.

16. Adjournment

Chairman David Cory adjourned the meeting of the Grassland Basin Drainers Steering Committee at 10:30 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 - 04/30/25
GBD 6/20/25

EXPENDITURES	Annual Budget		Paid/ Expense	Amount Remaining	% of Amt Remaining	Expenses Through
Legal:						
Pioneer Law Group - CEQA Legal Consultant	$ 20,000	1	$ -	$ 20,000	100%	
Cotchett, Pitre & McCarthy	$ 30,000	1	$ -	$ 30,000	100%	
Kahn, Soares & Conway	$ 10,000	1	$ 864	$ 9,136	91%	4/30/25
Misc. Legal Support	$ 10,000	1	$ -	$ 10,000	100%	
GBD Specific:						
Drainage Coordinator (Summers)	$ 150,000	1	$ 18,162	$ 131,838	88%	3/31/25
Quality Data Processing/Load Calc (Summers)	$ 150,000	1	$ 28,477	$ 121,523	81%	3/31/25
Flow Calculation/Station Maint. (Summers)	$ 110,000	1	$ 8,012	$ 101,988	93%	3/31/25
Panoche Creek Gauging Station	$ 9,730	1	$ 5,530	$ 4,200	43%	4/8/25
Water Quality Monitoring (Reg. Sites)	$ 250,000	1	$ 31,790	$ 218,210	87%	4/30/25
Newman Water Costs	$ 123,658	1	$ -	$ 123,658	100%	
Restoration of Mud Slough Channel (Newman Land)	$ 75,000	1	$ -	$ 75,000	100%	
Waste Discharge Permit Fees	$ 21,150	1	$ -	$ 21,150	100%	
SJRIP Monitor Wells	$ 5,000	1	$ -	$ 5,000	100%	
GBD Reporting	$ 25,000	1	$ -	$ 25,000	100%	
New UA Mud Slough Mitigation:						
Remove Sediment in SLD	$ 50,000	1	$ -	$ 50,000	100%	
Biological Monitoring:						
Pacific Eco Risk	$ 105,000	1	$ -	$ 105,000	100%	
HT Harvey-SJRIP Egg Monitoring	$ 100,000	1	$ 26,267	$ 73,733	74%	4/29/25
Fish Biologist - Splittail/Sturgeon	$ 16,000	1	$ 592	$ 15,408	96%	4/26/25
Groundwater WDR Specific:						
Membership Enrollment/List (Summers)	$ 100,000	2	$ 10,890	$ 89,110	89%	4/30/25
Farm Evaluation Plan (Summers)	$ 45,000	2	$ 447	$ 44,553	99%	3/31/25
NMP Summary Report	$ 25,000	2	$ 1,898	$ 23,102	92%	4/30/25
MPEP Group Workplan	$ 5,400	2	$ 370	$ 5,030	93%	
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	$ -	$ 15,500	100%	
Trend Monit Prgrm	$ 84,000	2	$ 13,398	$ 70,602	84%	
Develop Web Portal	$ 3,500	2	$ 4,200	$ (700)	-20%	
Collect State Board Fee	$ 123,000	2	$ 40,947	$ 82,053	67%	3/5/25
Annual Monitoring Report (Summers)	$ 30,000	2	$ 447	$ 29,553	99%	3/31/25
CVGMC Data	$ 2,311	2	$ 1,392	$ 919	40%	4/30/25
Other:						
General Counsel	$ 35,000	1	$ 119	$ 34,881	100%	3/7/25
In-House Staff	$ 3,250	1	$ 436	$ 2,814	87%	4/18/25
Dissolved Oxygen Aerator	$ 6,250	1	$ -	$ 6,250	100%	
Total Expenditures	$ 1,793,749		$ 194,237	$ 1,599,512	89%	

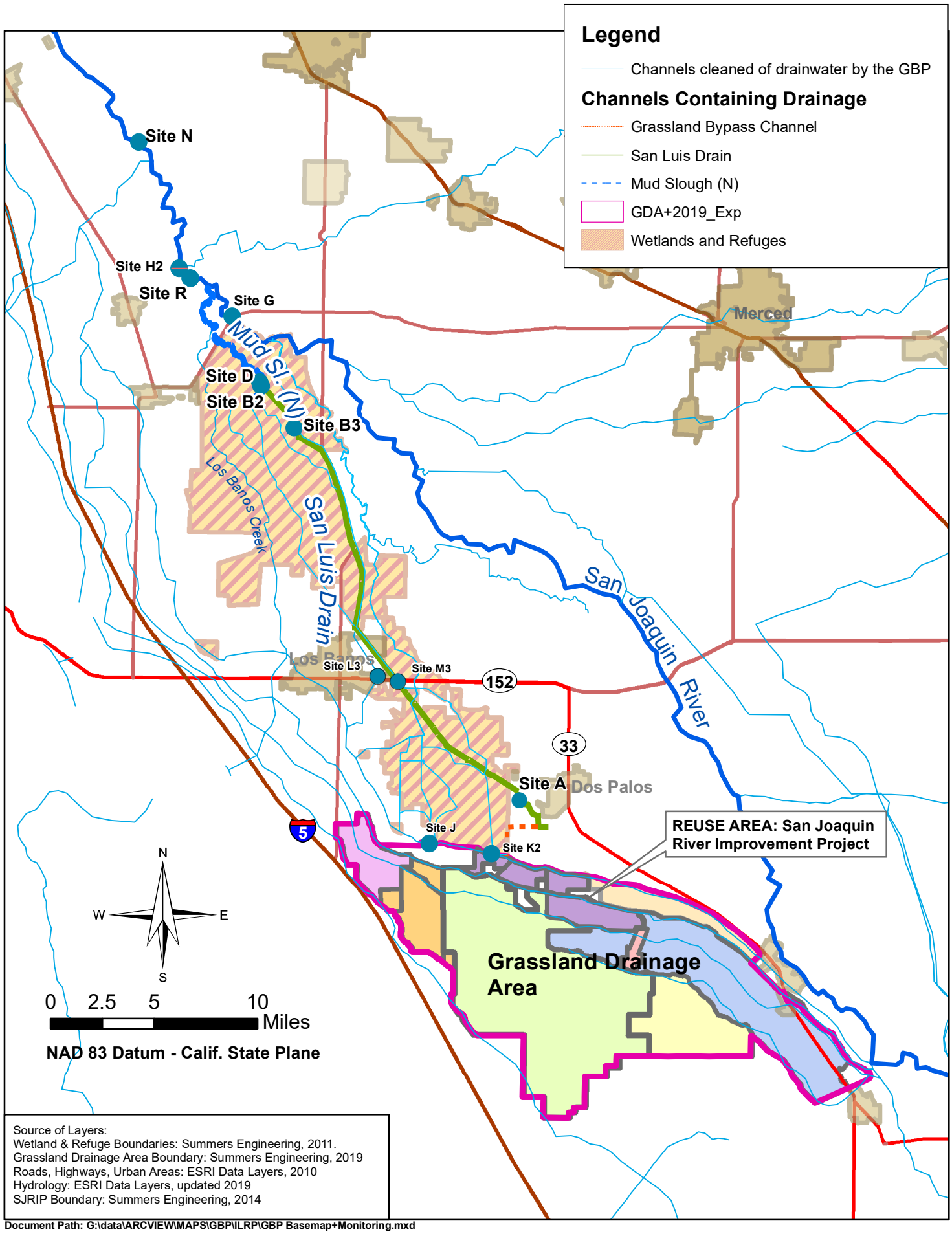
SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
GRASSLAND BASIN DRAINAGE
ACCOUNTS RECEIVABLE REPORT
FISCAL YEAR 03/01/25 - 02/28/26

	Report Period: 3/1/25-5/31/25 Report Date: 6/6/25	Grassland Basin Drainage Fund 22	Total
	Receivable Balance at February 28, 2025	$ 56,325.00	$ 56,325.00
Billings:			
	1st Installment FY26 - GBD		
	Camp 13 Drainage District	$ 6,856.50	$ 6,856.50
	Charleston Drainage District	$ 9,399.00	$ 9,399.00
	Firebaugh Canal Water District	$ 51,280.50	$ 51,280.50
	Pacheco Water District	$ 24,769.00	$ 24,769.00
	Panoche Drainage District	$ 193,381.00	$ 193,381.00
	1st Installment FY26 - GBD WDR Specific		
	Camp 13 Drainage District	$ 14,634.50	$ 14,634.50
	Charleston Drainage District	$ 11,421.00	$ 11,421.00
	Firebaugh Canal Water District	$ 64,705.50	$ 64,705.50
	Pacheco Water District	$ 13,930.50	$ 13,930.50
	Panoche Drainage District	$ 120,074.00	$ 120,074.00
	San Joaquin River Improvement Project	$ 17,088.00	$ 17,088.00
	Widren LLC	$ 2,502.00	$ 2,502.00
	Total Billings:	$ 530,041.50	$ 530,041.50
Collections:			
	Camp 13 Drainage District	$ 20,000.00	$ 20,000.00
	Charleston Drainage District	$ 20,820.00	$ 20,820.00
	Firebaugh Canal Water District	$ 115,986.00	$ 115,986.00
	Pacheco Water District	$ 38,699.50	$ 38,699.50
	Panoche Drainage District	$ 104,486.00	$ 104,486.00
	Widren LLC	$ 2,502.00	$ 2,502.00
	Total Collections:	**$ 302,493.50**	**$ 302,493.50**
	Receivable Balance at May 31, 2025	**$ 283,873.00**	**$ 283,873.00**
Outstanding Accounts:			
	1st Installment FY26		
	Camp 13 Drainage District	$ 57,815.00	$ 57,815.00
	Panoche Drainage District	$ 208,970.00	$ 208,970.00
	San Joaquin River Improvement Project	$ 17,088.00	$ 17,088.00
		$ 283,873.00	**$ 283,873.00**
	Outstanding Grand Total	**$ 283,873.00**	**$ 283,873.00**

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY
MARCH 1, 2024 - FEBRUARY 28, 2025
GRASSLAND BASIN DRAINAGE #3A (FUND 22)
ACTIVITY AGREEMENTS BUDGET TO ACTUAL

Report Period 3/1/24 - 02/28/25

EXPENDITURES	Annual Budget	Paid/ Expense	Amount Remaining	% of Amt Remaining	Expenses Through
Legal:					
Linneman et al	$ -	$ 4,425	$ (4,425)	0%	2/28/25
Pioneer Law Group - CEQA Legal Consultant	$ 25,000	$ 1,093	$ 23,908	96%	5/2/24
Cotchett, Pitre & McCarthy	$ 20,000	$ 26,606	$ (6,606)	-33%	11/20/24
Kahn, Soares & Conway	$ 15,000	$ 5,440	$ 9,560	64%	2/28/25
Misc. Legal Support	$ 17,500		$ 17,500	100%	
GBD Specific:					
Drainage Coordinator (Summers)	$ 145,000	$ 102,988	$ 42,012	29%	2/28/25
Quality Data Processing/Load Calc (Summers)	$ 130,000	$ 132,853	$ (2,853)	-2%	2/28/25
Flow Calculation/Station Maint. (Summers)	$ 90,000	$ 87,264	$ 2,736	3%	2/28/25
Field Coordinator (PDD)	$ 35,000	$ 4,820	$ 30,180	86%	2/28/25
Real Time Monitoring Equip (PDD)	$ 10,000	$ 2,821	$ 7,179	72%	2/28/25
Panoche Creek Gauging Station	$ 9,480	$ 13,430	$ (3,950)	-42%	2/28/25
Water Quality Monitoring (Reg. Sites)	$ 250,000	$ 237,065	$ 12,935	5%	2/28/25
Newman Water Costs	$ 121,233	$ 121,233	$ 0	0%	2/25/25
Restoration of Mud Slough Channel (Newman Land)	$ 75,000	$ 1,453	$ 73,547	98%	11/30/24
Waste Discharge Permit Fees	$ 67,000	$ 20,411	$ 46,589	70%	2/28/25
SJRIP Monitor Wells	$ 5,000	$ 726	$ 4,274	85%	8/5/24
Drainage Management Plan	$ 20,000	$ 20,514	$ (514)	-3%	2/28/25
New UA Mud Slough Mitigation:					
Remove Sediment in SLD	$ 50,000		$ 50,000	100%	
Use of Drain:					
Operation & Maintenance (PDD)	$ 95,000	$ 53,113	$ 41,887	44%	2/28/25
Biological Monitoring:					
Pacific Eco Risk	$ 100,000	$ 94,052	$ 5,948	6%	2/28/25
HT Harvey-SJRIP Egg Monitoring	$ 100,000	$ 86,267	$ 13,733	14%	2/28/25
Fish Biologist - Splittail/Sturgeon	$ 15,000	$ 21,859	$ (6,859)	-46%	11/19/24
Groundwater WDR Specific:					
Membership Enrollment/List (Summers)	$ 102,300	$ 31,708	$ 70,592	69%	2/28/25
Farm Evaluation Plan (Summers)	$ 45,000	$ 3,915	$ 41,085	91%	2/28/25
NMP Summary Report	$ 40,000	$ 15,533	$ 24,467	61%	2/28/25
MPEP Group Workplan	$ 5,400	$ 3,911	$ 1,489	28%	2/28/25
Groundwater Protection Formula	$ 10,000		$ 10,000	100%	
CVSalts Nitrate Compliance	$ 50,000	$ 7,155	$ 42,845	86%	2/28/25
Prioritization and Optimization Study-CVSalts	$ 12,600	$ 9,542	$ 3,058	24%	11/8/24
Trend Monit Prgrm	$ 84,000	$ 65,012	$ 18,988	23%	2/28/25
Develop Web Portal	$ 3,500	$ 3,305	$ 195	6%	12/6/24
Collect State Board Fee	$ 132,000	$ 133,779	$ (1,779)	-1%	2/28/25
Annual Monitoring Report (Summers)	$ 35,000	$ 3,915	$ 31,085	89%	2/28/25
CVGMC Data	$ 3,000	$ 4,706	$ (1,706)	-57%	2/28/25
Other:					
General Counsel	$ 35,000	$ 2,196	$ 32,804	94%	2/28/25
In-House Staff	$ 3,250	$ 2,675	$ 575	18%	2/28/25
Dissolved Oxygen Aerator	$ 6,250	$ -	$ 6,250	100%	
Other Services & Expenses	$ -	$ -	$ -	0%	
Telephone	$ -	$ -	$ -	0%	
Total Expenditures	$ 1,962,513	$ 1,325,782	$ 636,731	32%	



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
SJRIP Boundary: Summers Engineering, 2014

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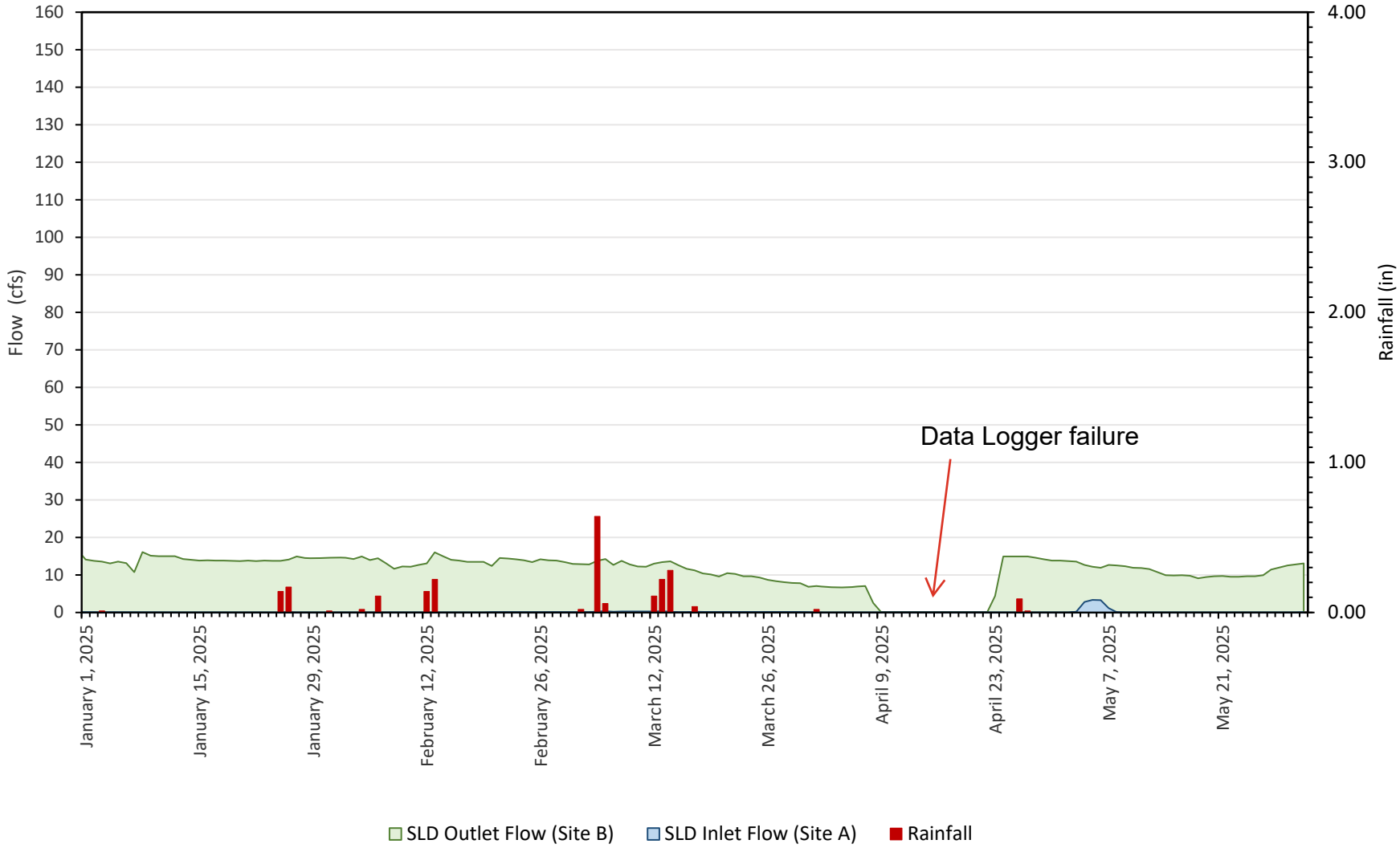
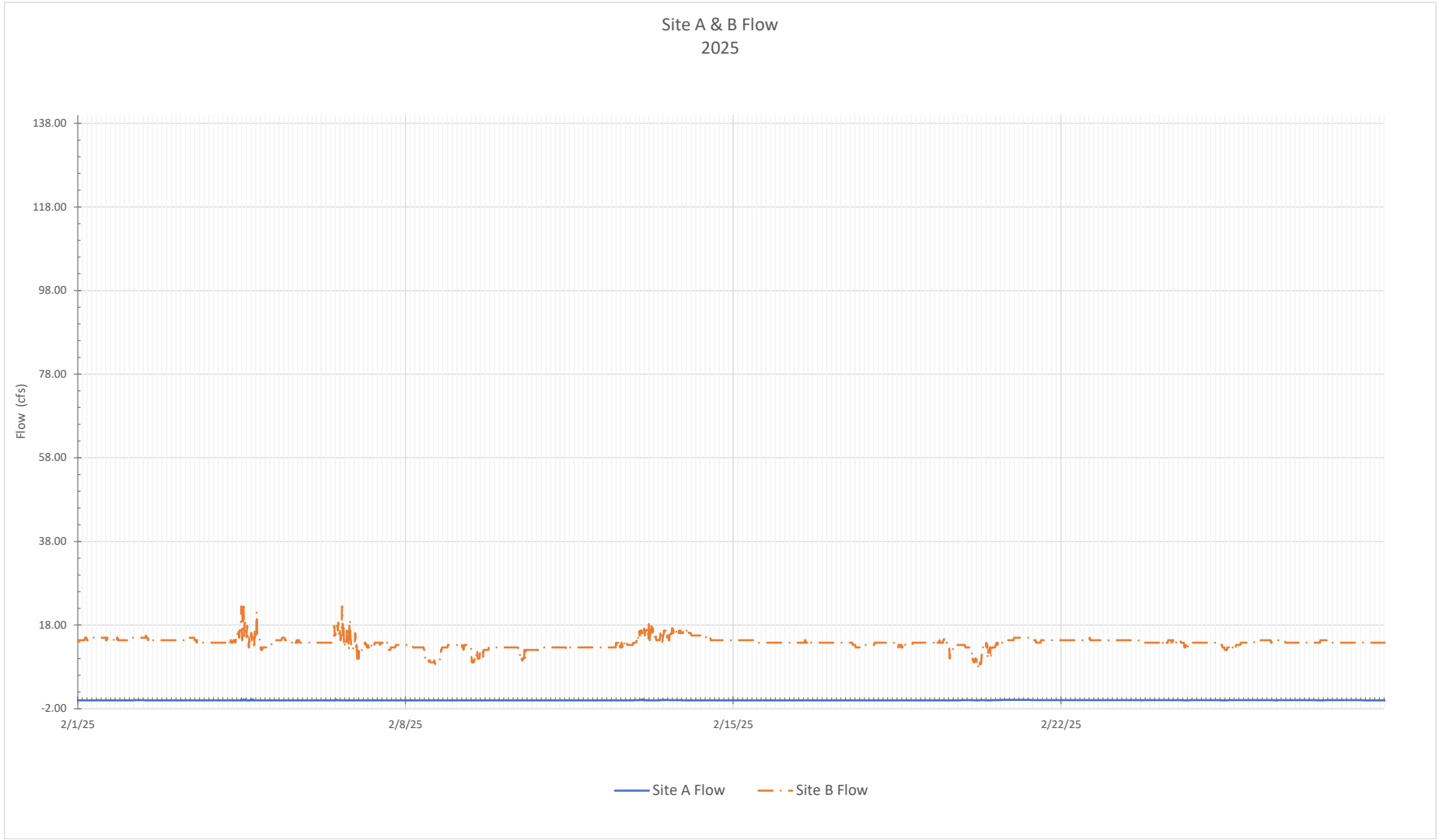
Grassland Bypass Project Location Map

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

Grassland Bypass Project - Site A & B Discharge & Rainfall





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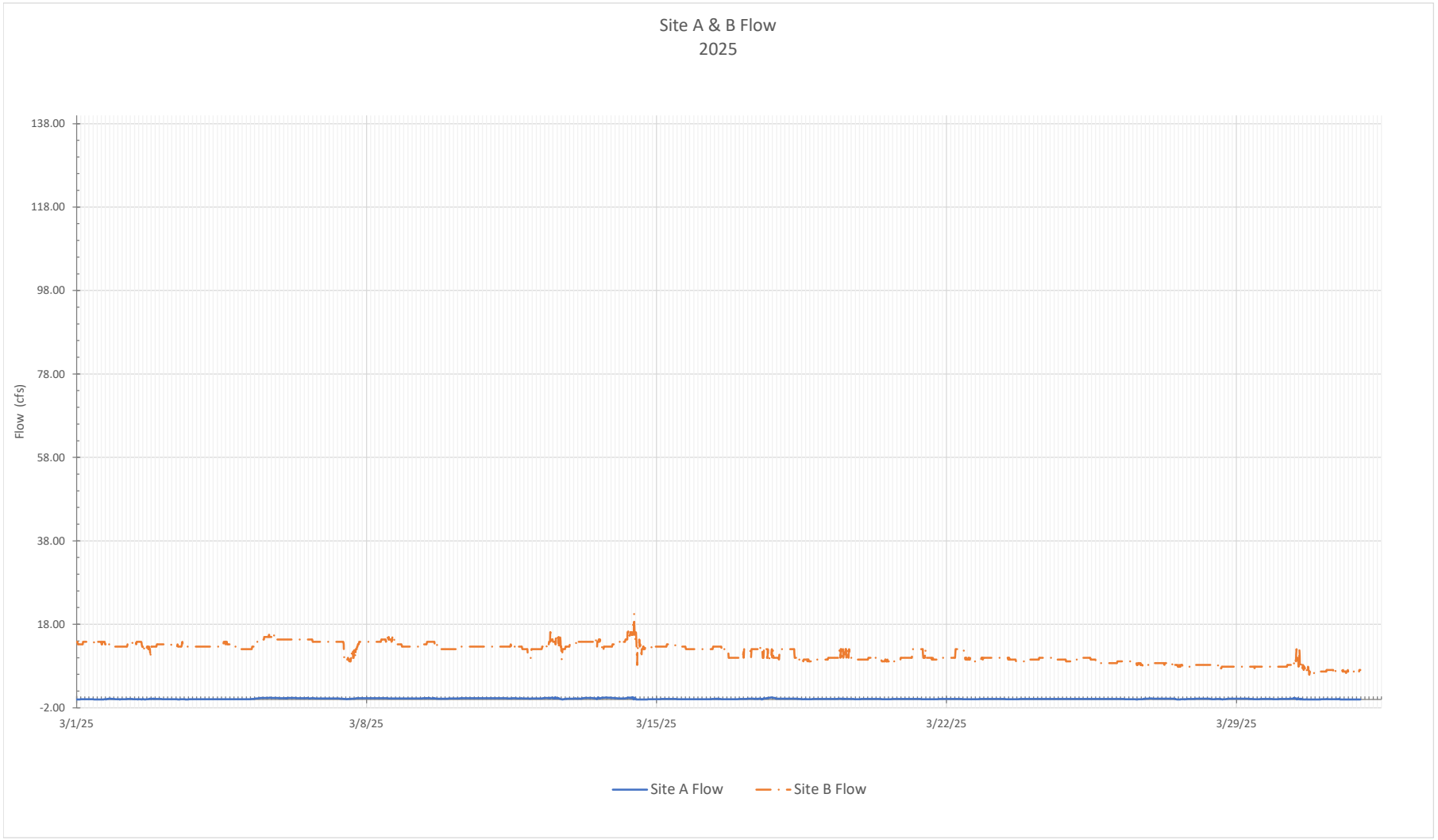
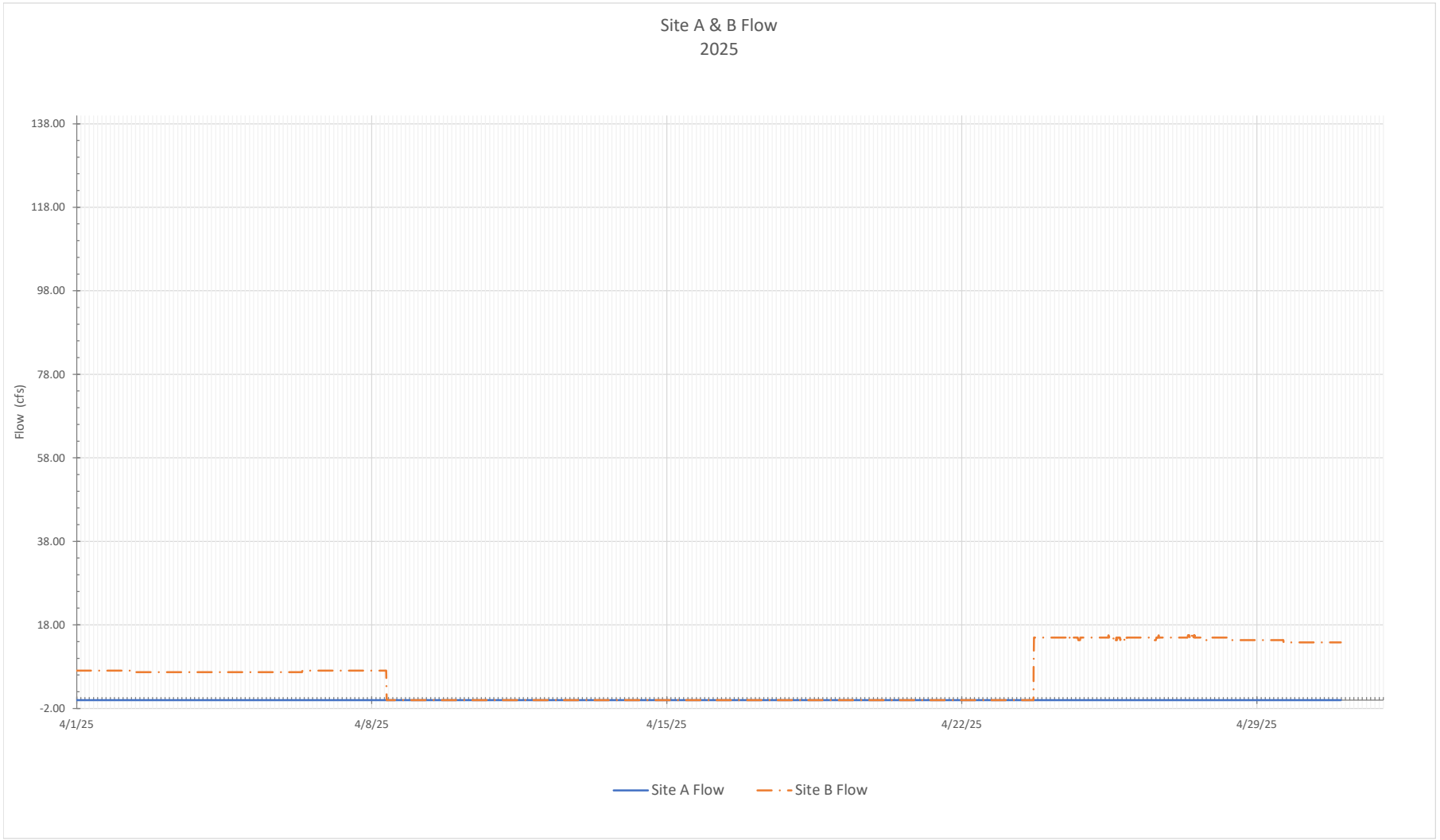
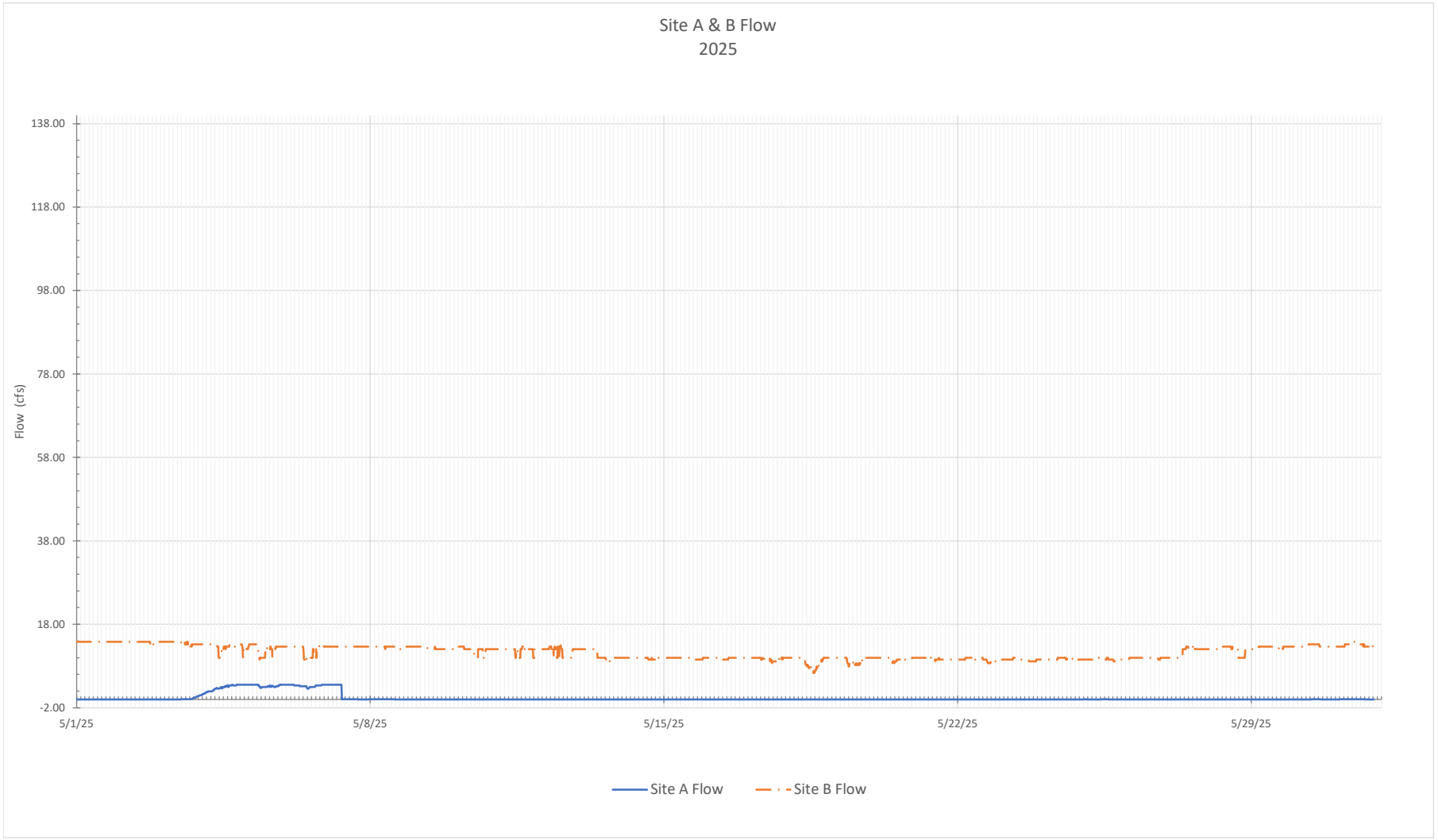
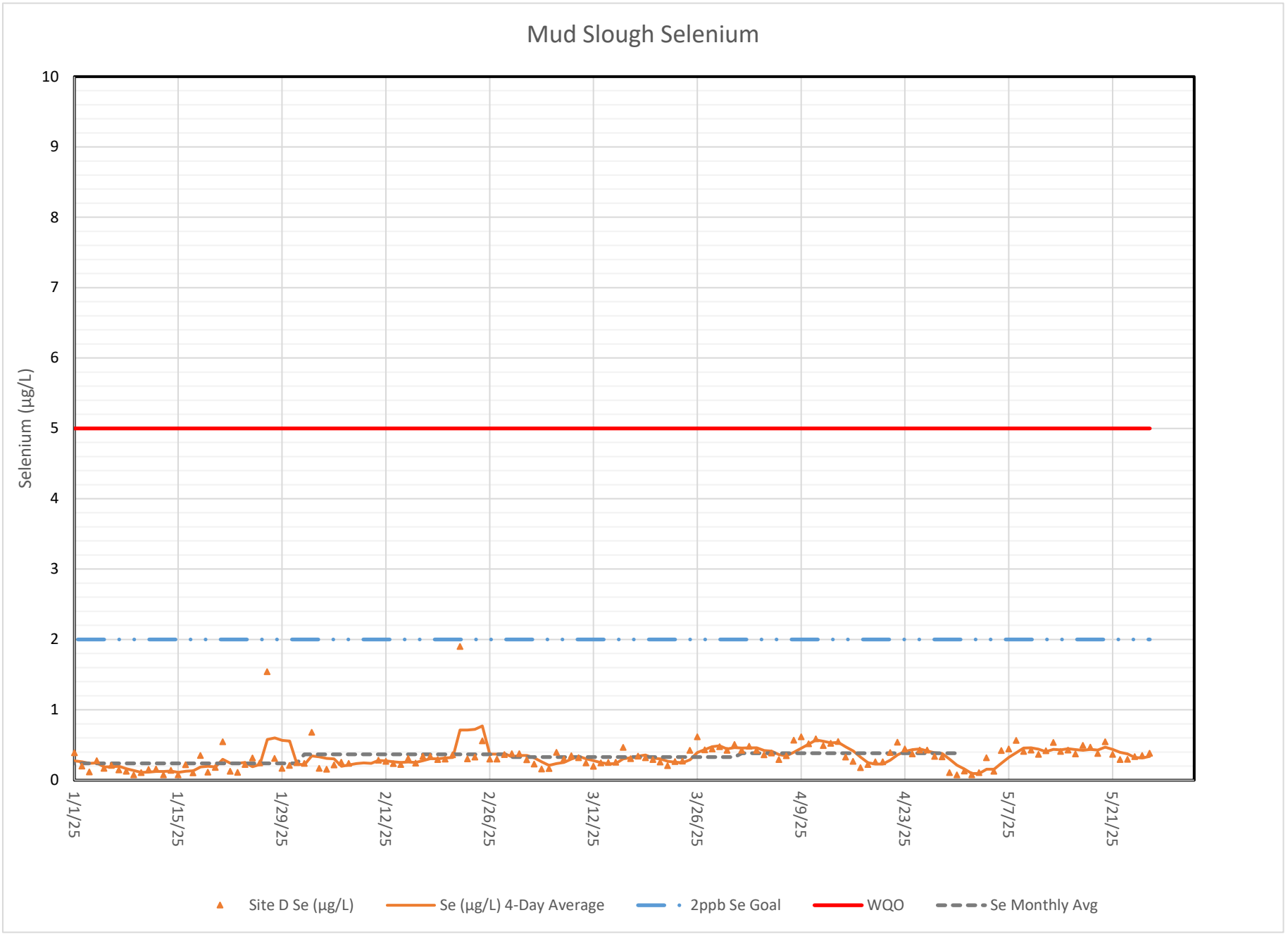
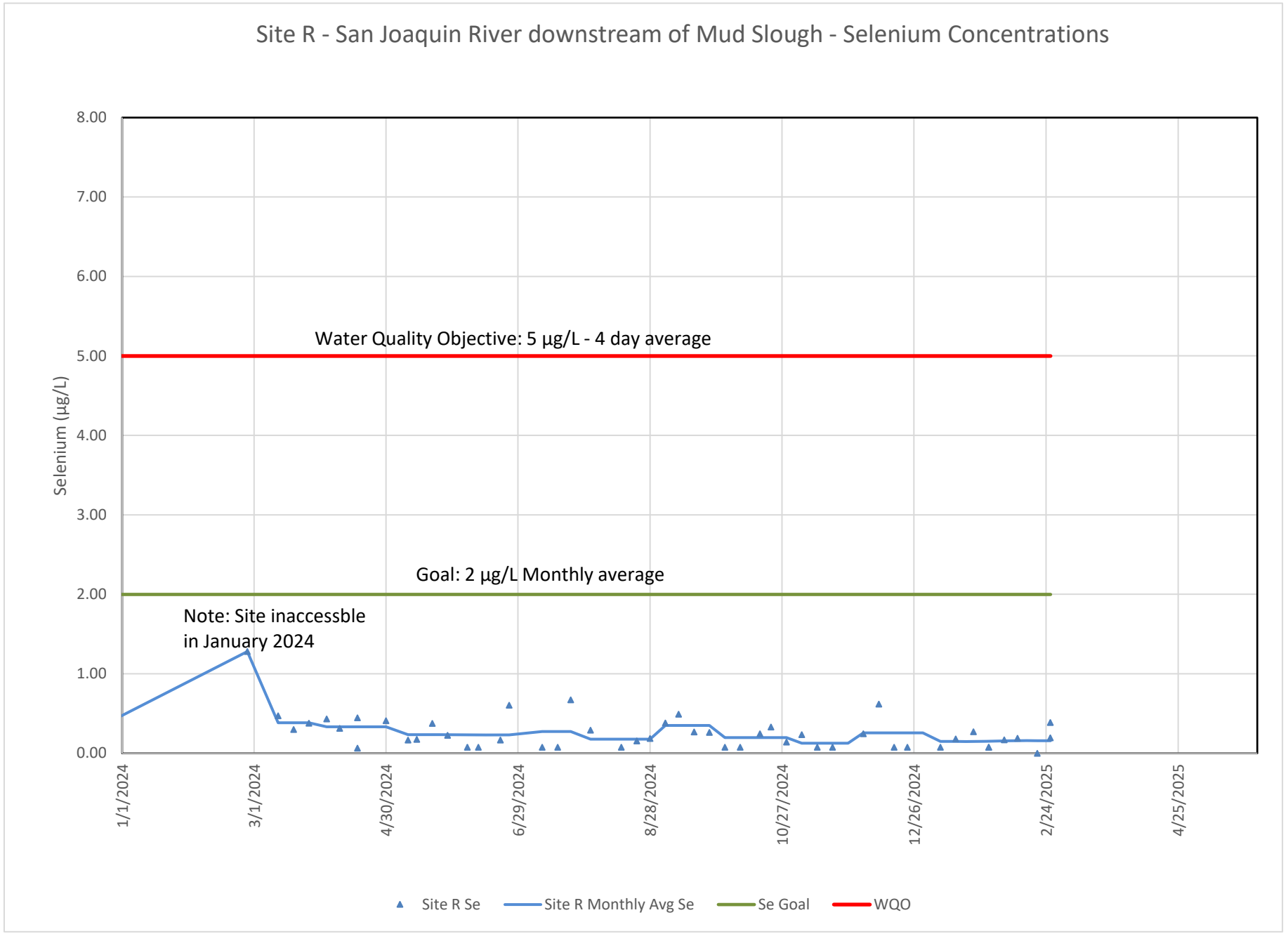

Site A & B Flow
2025
Flow (cfs)
138.00
118.00
98.00
78.00
58.00
38.00
18.00
-2.00
3/1/25
3/8/25
3/15/25
3/22/25
3/29/25
Site A Flow
Site B Flow


Site A & B Flow
2025
138.00
118.00
98.00
78.00
58.00
38.00
18.00
-2.00
Flow (cfs)
4/1/25
4/8/25
4/15/25
4/22/25
4/29/25
Site A Flow
Site B Flow


Site A & B Flow
2025
Flow (cfs)
138.00
118.00
98.00
78.00
58.00
38.00
18.00
-2.00
5/1/25
5/8/25
5/15/25
5/22/25
5/29/25
Site A Flow
Site B Flow


Mud Slough Selenium
Selenium (µg/L)
10
9
8
7
6
5
4
3
2
1
0
1/1/25
1/15/25
1/29/25
2/12/25
2/26/25
3/12/25
3/26/25
4/9/25
4/23/25
5/7/25
5/21/25
Site D Se (µg/L)
Se (µg/L) 4-Day Average
2ppb Se Goal
WQO
Se Monthly Avg



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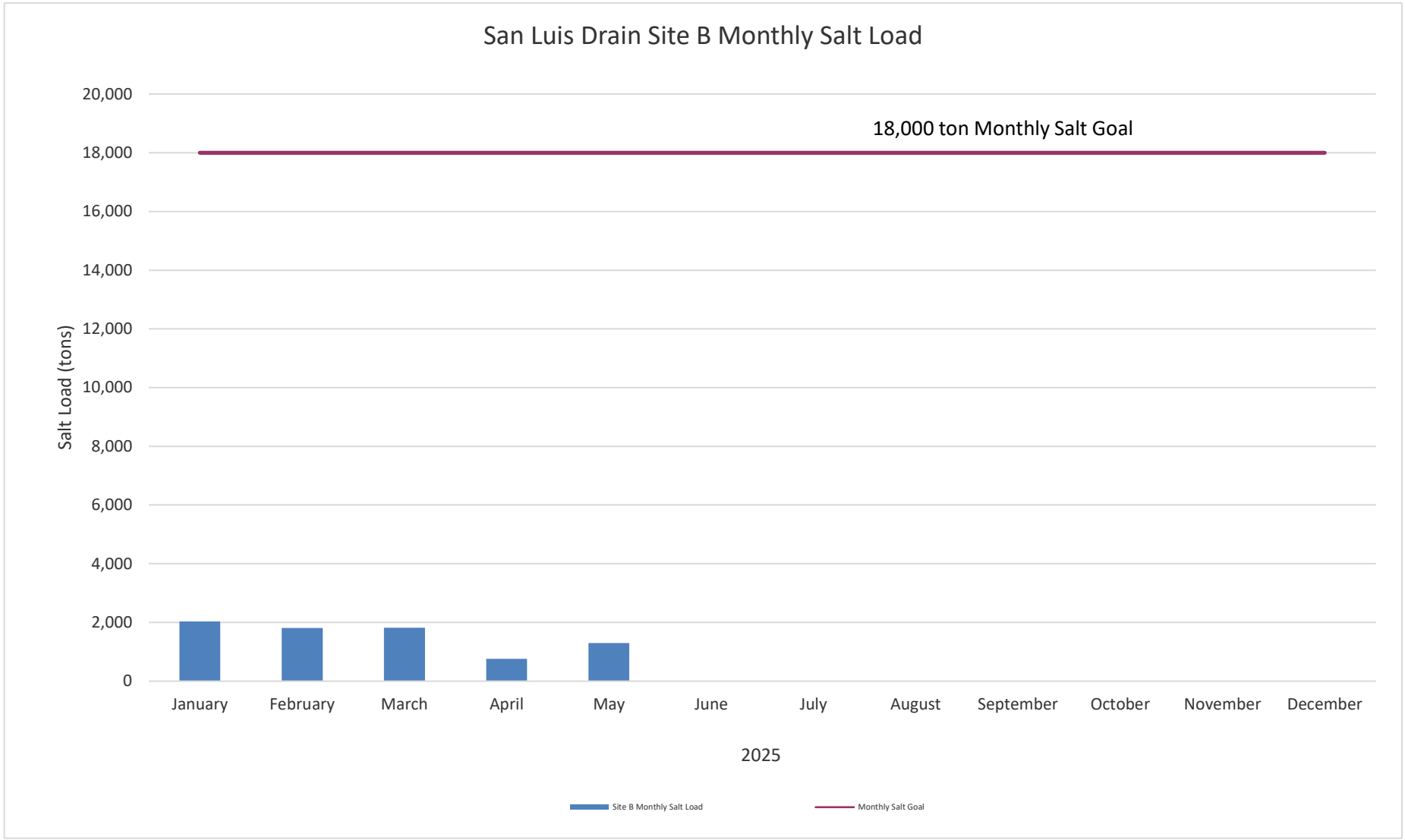

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3. RESULTS

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

The results for this testing are summarized in Table 2. The TST analysis resulted in a pass, indicating that the sample was 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 *Selenastrum capricornutum*

Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10^6)	TST Analysis	% Effect
Lab Water Control	1.80		
GBP-118-D-TE	5.32	Pass	-195%

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

The results for this testing are summarized in Table 3. The TST analysis resulted in a pass, indicating that the sample was not toxic for the 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 *Daphnia magna*.

Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-118-D-TE	95.0	Pass	5.0%

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

The results for this testing are summarized in Table 4. The TST analysis resulted in a pass, indicating that the sample was not toxic for the 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	97.5		
GBP-118-D-TE	100	Pass	-2.6%

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. The TST analysis resulted in a pass, indicating that the sample was 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 *Selenastrum capricornutum*

Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10^6)	TST Analysis	% Effect
Lab Water Control	2.64		
GBP-119-D-TE	6.18	Pass	-134%

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

The results for this testing are summarized in Table 3. The TST analysis resulted in a pass, indicating that the sample was not toxic for the 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 *Daphnia magna*.

Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	95.0		
GBP-119-D-TE	100	Pass	-5.3%

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

The results for this testing are summarized in Table 4. The TST analysis resulted in a pass, indicating that the sample was not toxic for the 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-119-D-TE	100	Pass	0.0%

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 *Selenastrum capricornutum*

Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10^6)	TST Analysis	% Effect
Lab Water Control	2.05		
GBP-120-D-TE	7.25	Pass	-253%
GBP-120-B3-TE	4.05	Pass	-97%
GBP-120-F-TE	6.70	Pass	-226%
GBP-120-R-TE	6.62	Pass	-222%

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 *Daphnia magna*.

Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-120-D-TE	100	Pass	0.0%
GBP-120-B3-TE	100	Pass	0.0%
GBP-120-F-TE	95.0	Pass	5.0%
GBP-120-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-120-D-TE	100	Pass	0.0%
GBP-120-B3-TE	100	Pass	0.0%
GBP-120-F-TE	100	Pass	0.0%
GBP-120-R-TE	100	Pass	0.0%

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. The TST analysis resulted in a pass, indicating that the sample was 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 *Selenastrum capricornutum*

Treatment/Sample ID	Mean Algal Cell Density (cells/mL x 10^6)	TST Analysis	% Effect
Lab Water Control	2.34		
GBP-121-D-TE	6.57	Pass	-181%

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

The results for this testing are summarized in Table 3. The TST analysis resulted in a pass, indicating that the sample was not toxic for the 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 *Daphnia magna*.

Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-121-D-TE	95.0	Pass	5.0%

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

The results for this testing are summarized in Table 4. The TST analysis resulted in a pass, indicating that the sample was not toxic for the 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-121-D-TE	100	Pass	0.0%

3.4 Effects of the Grasslands Bypass Project Ambient Sediment on *Hyalella azteca*

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

Table 5. Effects of Grasslands Bypass Project ambient sediment on *Hyalella azteca*.

Treatment/Sample ID	Mean % Survival	TST Analysis	% Effect
Lab Water Control	100		
GBP-121-D-SE	98.8	Pass	1.2%