



# San Luis & Delta-Mendota WATER AUTHORITY

**Board of Directors Regular Meeting  
Thursday, January 9, 2025, 9:30 a.m.**

**SLDMWA Boardroom  
842 6th Street, Los Banos  
(List of Member/Alternate Telephonic Locations Attached)**

### Public Participation Information

#### **Join Zoom Meeting**

<https://us02web.zoom.us/j/82266700518?pwd=xhawAO7P1JYvIjKMZuXCaTIKNxHieN.1>

**Meeting ID: 822 6670 0518  
Passcode: 638301**

#### **One tap mobile**

**+16694449171,,82266700518#,,,,\*638301# US  
+16699006833,,82266700518#,,,,\*638301# US (San Jose)**

#### **Dial by your location**

- +1 669 444 9171 US
- +1 669 900 6833 US (San Jose)

**Find your local number:** <https://us02web.zoom.us/j/82266700518?pwd=xhawAO7P1JYvIjKMZuXCaTIKNxHieN.1>

NOTE: Any member of the public may address the Board concerning any item on the agenda before or during its 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 Chair of the Board may waive this limitation.

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 6<sup>th</sup> Street, Los Banos, CA 93635.

### **Agenda**

1. Call to Order/Roll Call
2. Board to Consider Additions or Corrections to the Agenda of Items, as authorized by Government Code Section 54950 et seq.
3. Opportunity for Public Comment – Any member of the public may address the Board concerning any matter not on the agenda, but within the Board's jurisdiction. Public comment is limited to no more than three minutes per person. For good cause, the Chair of the Board may waive this limitation.

### **Consent Calendar (1)**

Note: All matters listed on the Consent Calendar are considered to be routine and non-controversial and will be acted upon by a single action of the Board of Directors, unless a Board Member requests separate consideration of the item. If such a request is made, the item may be heard as an action item at this meeting.

4. **Approval of December 12, 2024 Meeting Minutes, and December 18, 2024 Workshop Minutes**
5. **Acceptance of Financial & Expenditures Reports**

6. **Acceptance of Staff Reports:**
  - a. **O&M Budget to Actual**
  - b. **Operations & Maintenance**
  - c. **Science Program**
  - d. **Activity Agreements**
  - e. **Procurement Activity**

### Action Items

7. **Finance & Administration Committee Recommendation Regarding Authorization to Execute Amendment and Change Order for Agreement for Services and Equipment for O'Neill Pumping/Generating Plant Unit Upgrades Project, Arroyave/McNeil (2)**
8. **Adoption of Resolution Authorizing Execution of First Amended and Restated B.F. Sisk Dam Raise and Reservoir Expansion Project Activity Agreement, Arroyave/Akroyd (3)**
9. **Adoption of Resolution Authorizing Execution of Agreement with the United States for the Management of the Expanded San Luis Reservoir and Cost Share of Charges Associated with Raising of the B.F. Sisk Dam and Increased Storage Capacity of the Federally Administered San Luis Reservoir, Arroyave/Akroyd (3)**
10. **Authorization to Execute Modification to Agreement for Professional Services with CDM Smith and Related Increase in Expenditure of \$58,696.32 for B.F. Sisk Dam Raise and Expansion Project Highway 152 Grant Application Preparation, within the FY25 B.F. Sisk Dam Raise Activity Agreement Budget, Arroyave (4)**
11. **Adoption of Resolution Authorizing Execution of First Amendment to the Memorandum of Understanding with the San Joaquin Valley Drainage Authority for the Provision of Services and the Use of Related Equipment and Office Space, As Needed, Harms (5)**
12. **Approval of Executive Compensation for Various Positions, Michael/Barajas**
13. **Finance & Administration Committee Recommendation Regarding Fiscal Year 2026 OM&R Budget, Water Resources Committee Recommendation Regarding Fiscal Year 2026 Activity Budget, and Resolution Adopting the Complete Fiscal Year 2026 Budget, Barajas (6)**

### Report Items

14. **Report on State and Federal Affairs, Petersen/Dennis Cardoza/Kristin Olsen (7)**
15. **South of Delta Drought Plan Update, Barajas**
  - a. **Transition from 2024 Pilot to 2025 Pilot**
  - b. **New Strike Team**
16. **Executive Director's Report, Barajas**  
(May also include reports on activities related to 1) CVP/SWP water operations; 2) California storage projects; 3) regulation of the CVP/SWP; 4) existing or possible new State and Federal policies; 5) Water Authority activities)
17. **Chief Operating Officer's Report, Arroyave**  
(May include reports on activities related to 1) OM&R; 2) Infrastructure Projects; 3) Water transfers, exchanges, and release program)
18. **Update on Water Operations and Forecasts, Arroyave/Bureau of Reclamation**
19. **Committee Reports: (8)**
  - a. **Water Resources Committee Activities, Bourdeau**
  - b. **Finance & Administration Committee Activities, Hansen**
  - c. **O & M Technical Committee Activities, White**
  - d. **Planning Committee Activities, Diener**
20. **Outside Agency/Organization Reports: (9)**
  - a. **State and Federal Contractors Water Agency**
  - b. **Family Farm Alliance**
  - c. **Farm Water Coalition**



- d. Association of California Water Agencies
- e. San Joaquin Valley Water Blueprint Effort
- f. San Joaquin Valley Collaborative Action Program
- g. Central Valley Project Water Association

21. Board Member Reports

22. **CLOSED SESSION**

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Initiation of Litigation Pursuant to paragraph (4) of Subdivision (d) of Government Code Section 54956.9 – 2 potential cases

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant Exposure to Litigation Pursuant to Paragraph (2) or (3) of Subdivision (d) of Government Code Section 54956.9 – 2 potential cases

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Existing Litigation Pursuant to paragraph (1) of Subdivision (d) of Section 54956.9

- A. Pacific Coast Federation of Fishermen's Associations, et al. v. Stock, et al., U.S. District Court, E.D. Cal., Case No. 2:11-cv-02980; 9th Cir. Case No. 23-15599 (PCFFA v. Glaser or GBP Citizen Suit)
- B. City of Fresno, et al. v. United States, U.S. Court of Appeals for the Federal Cir., Case No. 22- 1994; U.S. Court of Federal Claims, Case No. 1:16-cv-01276 (2014 Friant Div. Operations)
- C. Pacific Coast Federation of Fishermen's Associations, et al. v. Raimondo, et al., U.S. District Court, E.D. Cal., Case No. 1:20-cv-00431 (ROC on LTO BiOps)
- D. California Natural Resources Agency, et al. v. Raimondo, et al., U.S. District Court, E.D. Cal., Case No. 1:20-cv-00426 (ROC on LTO BiOps)
- E. AquAlliance, et al. v. U.S. Bureau of Reclamation, et al., U.S. District Court, E.D. Cal., Case No. 1:20-cv-00878; 9th Cir. Case No. 24-7232 (Long-Term Water Transfers EIS/EIR)
- F. AquAlliance et al. v. San Luis & Delta-Mendota Water Authority, Merced Co. Superior Court, Case No. 21CV-03487 (Long-Term Water Transfers EIS/EIR Addendum)
- G. California Sportfishing Protection Alliance, et al. v. State Water Resources Control Board, et al., Sac. Co. Superior Court, Case No. 34-2021-80003761 (2021 TUCP Order)
- H. California Sportfishing Protection Alliance, et al. v. State Water Resources Control Board, et al., Sac. Co. Superior Court, Case No. 34-2021-80003763 (2021 Temp. Mgmt. Plan)
- I. Walsh v. Martin, et al., E.D. Cal., Case No. 1:23-CV-01774 (employment action)
- J. Tehama-Colusa Canal Authority, et al. v. California Department of Water Resources, et al., Sacramento Co. Superior Court, Case No. 24WM000183 (SWP 2024 EIR Challenge)

23. Return to Open Session / Report from Closed Session, if any Required by Government Code Section 54957.1

24. Reports Pursuant to Government Code Section 54954.2(a)(3)

25. **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/>.

SLDMWA BOARD OF DIRECTORS REGULAR MEETING  
TELEPHONIC LOCATIONS  
JANUARY 9, 2025

7357 W. Tenaya Ave  
Fresno, CA 93723



SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD OF DIRECTORS REGULAR MEETING MINUTES DECEMBER 12, 2024

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 9:30 a.m. at 842 6th Street in Los Banos, California, with Chair Cannon Michael presiding.

Directors and Alternate Directors in Attendance

Division 1

- Vince Lucchesi, Alternate for Bobby Pierce
Anthea Hansen, Director
Ed Pattison, Director - Lea Emmons, Alternate (via ZOOM)

Division 2

- Ross Franson, Director - Justin Diener, Alternate
William Bourdeau, Director
Lon Martin, Alternate for Bill Diedrich

Division 3

- Chris White, Alternate for Dan McCurdy
Jarrett Martin, Director
Cannon Michael, Chair/Director

Division 4

- Aaron Baker, Alternate for John Varela
Richard Santos, Director

Division 5

- Bill Pucheu, Director
Manny Amorelli, Director

Friant Representatives

- Johnny Amaral, Alternate for Jason Phillips

Authority Representatives Present

- Federico Barajas, Executive Director
Pablo Arroyave, Chief Operating Officer
Rebecca Akroyd, General Counsel
Rebecca Harms, Deputy General Counsel
Scott Petersen, Water Policy Director
Ray Tarka, Director of Finance
Stewart Davis, IT Officer

Others in Attendance

- Wilson Orvis, Friant Water Authority
Sarah Woolf, Water Wise
Chris Carlucci, Panoche Water District
John Varela, Valley Water (via ZOOM)
Jim Beall, Valley Water (via ZOOM)
Dennis Cardoza, Folely & Lardner, LLP (via ZOOM)
Rusty Areias, CalStrat (via ZOOM)
Liz Kiteck, Bureau of Reclamation (via ZOOM)
Brandon Souza, Farm Water Coalition (via ZOOM)

1. **Call to Order/Roll Call**

The meeting was called to order by Chair Cannon Michael and roll was called.

2. **Board to Consider Additions or Corrections to the Agenda of Items, as authorized by Government Code Section 54950 et seq.**

No additions or corrections.

3. **Public Comment**

No public comment.

**CONSENT ITEMS**

4. **Agenda Items 4-6: Board to Consider: a) November 7, 2024 Meeting Minutes, b) Acceptance of the Financial & Expenditures Reports, c) Acceptance of Staff Reports.**

On a motion of Director Richard Santos, seconded by Director Bill Pucheu, the Board accepted the November 7, 2024 Meeting Minutes, Financial & Expenditures Reports, and Staff Reports. The vote on the motion was as follows:

- AYES: Lucchesi, Hansen, Pattison, Franson, Bourdeau, Lon Martin, White, Jarrett Martin, Michael, Baker, Santos, Pucheu, Amorelli
- NAYS: None
- ABSTENTIONS: None

**ACTION ITEMS**

5. **Agenda Item 7: Water Resources Recommendation Regarding Adoption of Fiscal Year 2026 Objectives.**

Water Policy Director Scott Petersen reviewed the memo included in the packet. Petersen reported that staff anticipates that there will be significant policy activity in the next calendar year. Petersen provided a brief overview of the proposed FY26 policy objectives. Alternate Director Chris White noted the Water Resources Committee recommendation to adopt the proposed objectives. Executive Director Federico Barajas and Petersen answered Board member questions throughout the presentation.

On a motion of Director Richard Santos, seconded by Director Jarrett Martin, the Board adopted Fiscal Year 2026 Objectives. The vote on the motion was as follows:

- AYES: Lucchesi, Hansen, Pattison, Franson, Bourdeau, Lon Martin, White, Jarrett Martin, Michael, Baker, Santos, Pucheu, Amorelli
- NAYS: None
- ABSTENTIONS: None

242

6. **Agenda Item 8: Water Resources Committee Recommendation Regarding Adoption of Revised Communications Plan.**

Water Policy Director Scott Petersen reviewed the revised Communication Plan included in the packet. Petersen reported that staff will issue a request for proposals (RFP) for public affairs support to implement different components of the Revised Communications Plan. Alternate Director Chris White noted the Water Resources Committee recommendation to adopt the revised plan. Petersen answered Board member questions throughout his presentation.

On a motion of Alternate Director Aaron Baker, seconded by Director Richard Santos, the Board adopted the revised Communications Plan. The vote on the motion was as follows:

- AYES: Lucchesi, Hansen, Pattison, Franson, Bourdeau, Lon Martin, White, Jarrett Martin Michael, Baker, Santos, Pucheu, Amorelli
- NAYS: None
- ABSTENTIONS: None

**REPORT ITEMS**

7. **Agenda Item 9: Update on San Luis & Delta-Mendota Water Authority Rebranding/Logo Effort.**

Executive Director Federico Barajas introduced the item. Barajas reviewed a PowerPoint presentation displaying the new logo, and explained what the new logo represents. Water Policy Director Scott Petersen provided additional details and also discussed the cost of the rebranding effort.

8. **Agenda Item 10: Report on State and Federal Affairs.**

Water Policy Director Scott Petersen provided a brief update regarding federal affairs, Congress, and committee leadership. Dennis Cardoza provided additional information, including reporting that the House of Representatives passed the Water Resources Development Act Bill (WRDA).

Petersen then reviewed documents included in the packet, and provided updates related to the Reinitiation of Consultation on Long-Term Operations of the Central Valley Project (CVP) and SWP, ESA listings, appropriations, WRDA, the Farm Bill, and tax policy. Petersen additionally provided a California legislative update. Additional information was provided by consultant Rusty Areias. Petersen answered Board member questions throughout his presentation.

9. **Agenda Item 11: Executive Director’s Report.**

- a. **South of Delta Drought Plan** – Executive Director Federico Barajas reported there was a recent meeting with Reclamation, Friant Water Authority, Exchange Contractors, and the Authority at the ACWA Conference regarding the South of Delta Drought Plan. Barajas reported that they are in the process of working on the transition from the 2024 Pilot

243



Project into a 2025 Pilot Project. Barajas reported that Reclamation will be establishing an ad hoc working group/strike team to focus on groundwater storage. Barajas reported that several Board/Committee members have expressed their interest in participating in the ad hoc working group. Alternate Director Chris White, and Director Lon Martin provided additional information.

- b. **Special Board Workshop** – Executive Director Federico Barajas reported that the December and January Planning Committee meetings were cancelled. Barajas reported that there is a workshop on the DMC Subsidence Correction Project being planned for January.
- c. **Special Board Workshop** - Executive Director Federico Barajas reported that a Budget Workshop is scheduled December 18, 2024.

10. **Agenda Item 12: Chief Operating Officer's Report**

- a. **B.F. Sisk Dam Raise Project** - Chief Operating Officer Pablo Arroyave reported that an agreement with Reclamation was reached on the Management and Cost Share Agreement, which will be brought to the Board in January for approval along with the revised activity agreement.
- b. **Transfer Programs** – Chief Operating Officer Pablo Arroyave reported that the Authority is engaged in North-to-South transfer discussions. Arroyave also provided an update regarding Yuba and Exchange Contractor transfers.
- c. **Jones Pumping Plant Status** - Chief Operating Officer Pablo Arroyave reported there was a bearing problem with Unit 1, and staff aims to have it running next week. Arroyave also reported that Unit 3 is still non-operational, but staff aims to have it available in the next two weeks. Staff answered Board questions regarding the issues.

11. **Agenda Item 13: Update on Water Operations and Forecasts**

Chief Operating Officer Pablo Arroyave introduced Liz Kiteck from the Central Valley Operations Office (CVO) of the Bureau of Reclamation. Kiteck provided updates regarding CVP storage, operations, and the latest forecasts. Kiteck answered questions throughout her presentation.

12. **Agenda Item 14: Committee Reports.**

- a. **Water Resources Committee** – Acting Committee Chair Chris White reported that the committee met and addressed agenda items.
- b. **Finance & Administration Committee** – No report.
- c. **O&M Technical Committee** – No report.
- d. **Planning Committee** – No report.

13. **Agenda Item 15: Outside Agency/Organization Reports.**

- a. **State and Federal Contractors Water Agency (SFCWA)** – No report.
- b. **Family Farm Alliance (FFA)** – Report included in the packet. Water Policy Director Scott Petersen reported on activity regarding Water Quality Control Plan Update.
- c. **Farm Water Coalition (FWC)** – Brandon Souza provided a brief overview of the report included in the packet.
- d. **Association of California Water Agencies (ACWA)** – No report.
- e. **Water Blueprint for the San Joaquin Valley (Blueprint)** - Water Policy Director Scott Petersen reported that the packet includes the Water Policy Memo from the Water Resources Committee meeting with detailed information on Blueprint activities.
- f. **SJV CAP** - Water Policy Director Scott Petersen reported that the Water Policy Memo from the Water Resources Committee meeting includes detailed information on SJV CAP.
- g. **CVPWA** – Director Anthea Hansen reported that there is a conference in January.

14. **Agenda Item 16: Board Member Reports.**

Director Anthea Hansen offered mandarins to the meeting attendees from Del Puerto Water District.

Chair Cannon Michael reported he received many positive comments about the Authority management staff during the ACWA conference.

15. **Agenda Items 17-18: Closed Session Report.**

After allowing an opportunity for public comment, Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 11:12 a.m. Upon return to open session at approximately 12:09 p.m., Chair Cannon Michael stated that no reportable actions were taken.

16. **Agenda Item 19: Reports Pursuant to Government Code Section 54954.2(a)(3)**  
No report.

17. **Agenda Item 20: Adjournment.**

The meeting was adjourned at approximately 12:10 p.m.

BLANK



SAN LUIS & DELTA-MENDOTA WATER AUTHORITY JOINT SPECIAL WORKSHOP OF THE BOARD OF DIRECTORS, WATER RESOURCES COMMITTEE, AND FINANCE & ADMINISTRATION COMMITTEE SPECIAL JOINT WORKSHOP MINUTES  
DECEMBER 18, 2024

The Joint Special Workshop of the Board of Directors, Water Resources Committee, and Finance & Administration Committee of the San Luis & Delta-Mendota Water Authority convened at approximately 9:32 a.m. at Hotel Mission de Oro, 13070 South Hwy 33, Santa Nella, with Chair Cannon Michael presiding.

**Directors and Alternate Directors in Attendance**

**Division 1**

Ed Pattison, Director - Lea Emmons, Alternate

**Division 2**

Justin Diener, Alternate for Ross Franson  
Patrick McGowan, Alternate for Beau Correia  
Bill Diedrich, Director

**Division 3**

Chris White, Alternate for Dan McCurdy  
Jarrett Martin, Director  
Cannon Michael, Chair/Director

**Division 4**

John Varela, Director - Aaron Baker, Alternate  
Richard Santos, Director - Jim Beall, Alternate  
Dana Jacobson, Director  
Joseph Tonascia, Director - Brett Miller, Alternate

**Division 5**

Allison Febbo, Director

**FWA Representative**

Johnny Amaral, Alternate for Jason Phillips

**Water Resources Committee Members Present**

**Ex-Officio**

Cannon Michael

**Division 1**

Absent

**Division 2**

Bill Diedrich, Member

**Division 3**

Chris White, Member

**Division 4**

Dana Jacobson, Alternate Member

**Division 5**

Absent

**Finance & Administration Committee Members Present**

**Ex-Officio**

Cannon Michael

**Division 1**

Lea Emmons, Alternate

**Division 2**

Justin Diener, Member

**Division 3**

Chris White, Member - Jarrett Martin, Alternate

**Division 4**

Brett Miller, Alternate

**Division 5**

Absent

**Friant Water Authority**

Absent

**Authority Representatives Present**

- Federico Barajas, Executive Director
- Pablo Arroyave, Chief Operating Officer
- Rebecca Akroyd, General Counsel
- Rebecca Harms, Deputy General Counsel
- Scott Petersen, Water Policy Director
- Ray Tarka, Director of Finance
- Lauren Neves, Accountant III
- Darlene Neves, Accountant II
- Laures Stiles, Director of HR
- Bob Martin, Facilities O&M Director
- Jaime McNeill, Engineering Manager
- Chauncey Lee, O&M Manager
- Cheri Worthy, Executive Secretary
- Eddie Reyes, IT Technician

**Others in Attendance**

- Russ Freeman, Westlands Water District
- Chase Hurley, Pacheco Water District
- Marlene Brazil, Panoche Water District
- Sandra Reyes, Panoche Water District
- John Wiersma, Henry Miller Reclamation District

**1. Call to Order/Roll Call**

The meeting was called to order by Chair Cannon Michael and roll was called.

**2. Agenda Item 2: Board to Consider Corrections to the Agenda of Items**

None.

247

3. **Agenda Item 3: Opportunity for Public Comment**

None.

4. **Agenda Item 4: Review of Proposed Fiscal Year 2026 Operations, Maintenance and Replacement (OM&R), and Activity Budgets.**

Executive Director Federico Barajas provided a summary overview of budget development and committee recommendations for both the FY26 OM&R and Activity Agreement Budgets. Chief Operating Officer Pablo Arroyave reviewed a PowerPoint presentation regarding the proposed FY26 OM&R Budget. Arroyave reviewed the process, components of the budget, budget comparison summary, proposed FY26 budget summary, and the detail regarding the routine OM&R and extraordinary OM&R components of the proposed budget. Director of Finance Ray Tarka also provided detail regarding the status of excess EO&M Reserve funds. Arroyave and staff answered Board and committee member questions throughout the presentation.

Director of Finance Ray Tarka reviewed the preliminary illustrative Water Year 2025 OM&R Rates based on 20% and 40% agricultural contractor allocation. Tarka responded to questions from Board and committee members throughout the presentation

Executive Director Federico Barajas reviewed the proposed FY26 Activity Budget material included in the packet. Barajas reviewed the FY25 to FY26 Comparison, FY26 Budget Expenditure Summary, FY25 Projected Actual Summary, and the Activity Agreements Budget to Actual. General Counsel Rebecca Akroyd and Water Policy Director Scott Petersen provided additional information regarding components of the Leg Ops and General Membership budgets, and communication plan. Staff responded to questions from Board and committee members throughout the presentation.

5. **Agenda Item 6: Review Preliminary Illustrative Water Year 2025 OM&R Rates**

Director Justin Diener suggested approving the water rates at both the 20% and 40% agricultural contractor allocation, with an automatic increase if the final water allocation announced is higher than the 40%. Executive Director Federico Barajas explained that this practice was used in FY25, and could be used again.

6. **Agenda Item 8: Executive Director's Report.**

- a. Operations - Chief Operating Officer Pablo Arroyave provided an update regarding Jones Pumping Plant operations.
- b. Biological Opinions - Executive Director Federico Barajas provided an update regarding the LTO Biological Opinions and Record of Decision.

7. **Agenda Items 9-11: Closed Session Report.**



Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 11:02 a.m. Upon return to open session at approximately 11:35 a.m., General Counsel Rebecca Akroyd stated that no reportable actions were taken.

8. **Agenda Item 12: Reports Pursuant to Government Code Section 54954.2 (a) (3)**  
No reports.
9. **Agenda Item 13: Adjournment.**  
The meeting was adjourned at approximately 11:36 a.m.



January 9, 2025

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for December 2024

**OPERATIONS DEPARTMENT**

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1 to 5 units for the month of December. The average rate of pumping for the JPP was 2,818 cfs for the month.

Total pumping at the JPP for the month of December was 173,267 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 0 acre-feet, and pumped 137,570 acre-feet during the month. 8,031 acre-feet were pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the month of December.

The Federal share in the San Luis Reservoir at the end of December was 520,033 acre-feet as compared to 778,702 acre-feet for the end of December 2023.

During the month of December, releases from Friant Dam ranged from 420 to 442 cfs with 9,482 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 9,392 acre-feet for the month.

**Canal Operations Department**

The Canal Operations crews worked on the following activities this month:

- Open channel & pitot tube flow measurements at MP's

4.98	76.05	115.90
25.02 R	31.60 RB	33.07 R
85.05 R	93.27 L	94.57 L

- Serviced flow meters at DMC MP's

13.00 L	13.25 R	14.81 L	19.15 R
19.18 L	20.59 L	20.97 R	21.25 L
21.65 L	22.78 L	25.63 R	26.21 R
26.89 R	27.80 R	29.95 R	31.60 RB
32.61 R	32.62 R	32.94 L	33.71 L
33.90 R	34.08 L	36.39 L	36.45 R
39.20 R	39.22 L	39.78 L	42.53 L
51.65 L	65.37 R	93.27 L	

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
  - Westley
  - Newman
  - Volta
  - Firebaugh
- Water samples taken at MP sites: 10.62, 20.63, 29.95, 39.21, and 45.77
- Groundwater well soundings
  - USGS Monitoring Wells
- Routine patrols
  - DMC
  - Mendota Pool
  - San Luis Drain
- Coordinated SJR flow measurement below Sack Dam with DWR staff

### **Control Operations**

The Control Operations crew performed the following switching/clearance orders this month:

- |               |  |
|---------------|--|
| • C-24-DCI-51 | DCI JW1A & VAA wiring modification               |
| • C-24-DCI-53 | DCI Unit protection                              |
| • C-24-JP-62  | JPP Unit 3 test replace upper guide bearing RTDs |
| • C-24-DM-65  | DMC meter box leak repair MP 31.31 Left          |
| • C-24-JP-66  | JPP Unit 1 upper guide bearing troubleshooting   |
| • C-24-JP-66A | JPP Unit 1 upper guide bearing troubleshooting   |
| • C-24-JP-67  | JPP Unit 3 suction elbow                         |
| • C-24-DM-68  | DMC MP 67.55-L turnout gate replacement          |
| • C-24-DM-69  | DMC MP 51.41-L turnout gate replacement          |
| • C-24-DM-70  | DMC MP 15.95-L turnout gate replacement          |
| • C-24-DM-71  | DMC MP 28.89-L turnout gate replacement          |
| • C-24-DM-72  | JPP Unit 4 exciter brush inspection              |

### **Jones Pumping Plant (JPP)**

During the month of November at JPP, an unplanned/forced outage on Unit 3 occurred due to an upper guide bearing failure. Upon further inspection, Babbitt was found in the oil tub that signified a wiped bearing segment. We are currently in the process of re-installing the repaired bearing segment. Our next step will be to check the plumb of the unit to confirm its alignment. The updated goal is to have the unit available by January 17<sup>th</sup>.

### **Electrical/C&I Maintenance Crews:**

- JPP U-1 hot upper guide bearing trip troubleshoot and repair
- JPP U-3 hot upper guide bearing trip troubleshoot and repair
- JPP U-4 commutator cleaning and brush measurement
- JPP emergency lighting test and inspection 1-month PM
- JPP ¼ ton monorail hoist test and inspection 3-month PM
- JPP ½ ton monorail hoist test and inspection 3-month PM
- Station service battery bank and system test and inspection 1-month PM
- Recalibrate cooling water supply return gauge
- Troubleshoot and repair stub soft crane
- Investigate comm loss between JPP penstock flow meters and the Control Room

142



### Mechanical Maintenance Crews:

- JPP U-1 hot upper guide bearing trip troubleshoot and repair
- JPP U-3 wiped upper guide bearing troubleshoot and repair
- Inspect, clean and rehabilitate JPP stop logs
- Troubleshoot and repair stub saft crane
- JPP grounds plant organization 1-month PM
- JPP air wash filter replacement 1-month PM
- OPP Unit 5 tear down assistance
- OPP Unit 5 unplanned shaft and pump repair support

### Civil Maintenance Crews:

- Delivered JPP Unit 3 upper guide bearing to Geiger in Stockton

### O'Neill Pumping/Generating Plant (OPP)

OPP Unit 5 Information: During annual maintenance activities on OPP Unit 5, damage was found on the lower pump bearing shaft sleeve and significant corrosion was evident on the flange stud nuts that hold the impeller to the shaft. Upon further inspection, the shaft sleeve lining coating had scratches/gouges in the lining material. In addition, a significant groove was noticed on the shaft sleeve steel section and significant corrosion existed on the pump shaft surface between the shaft sleeve and the pump shaft. SLDMWA Engineering staff performed an inspection of the damage and provided an inspection report to Reclamation documenting the damage and requesting a special inspection. Reclamation inspected the damage in August and concurred with SLDMWA's recommendation to replace the damaged bolts, which required full disassembly of the unit. Disassembly began on 8/12/2024 and the unit is anticipated to be out of service until February of 2025.

### Electrical/C&I Maintenance Crews:

- OPP Unit 5 unplanned shaft and pump repairs
- OPP Unit 5 install new wire and relabel circuits in G and Governor cabinet
- OPP Unit 5 protective relay updates per 2023 USBR review
- OPP transformer rehabilitation protective relays upgrades
- OPP compressed air system HP test and inspection 1-month PM
- OPP security gates north/south test and inspection 1-month PM
- OPP cathodic protection system test and inspection 1-month PM
- OPP station service dry transformer test and inspection 1-month PM
- OPP emergency lighting test and inspection 1-month PM
- OPP compressed air systems LP test and inspection 1-month PM
- OPP annunciator panels test and inspection 1-month PM
- OPP ½ ton chain hoist test and inspection 1-month PM
- OPP 1-ton chain hoist test and inspection 1-month PM
- OPP 3-ton chain hoist crane test and inspection 3-month PM
- OPP 5-ton stoplog gantry crane test and inspection 1-month PM
- OPP 65/100-ton bridge crane safety inspection 3-month PM
- OPP 65/100-ton overhead crane safety inspection 1-month PM
- OPP CO2 cylinder test and inspection 3-month PM

### Mechanical Maintenance Crews:

- OPP Unit 2 speed head bearings and pins replacement
- OPP Unit 5 unplanned shaft and pump repairs
- OPP emergency generator test and inspection 6-month PM

- OPP Machine shop equipment test, clean, and inspection 3-month PM
- OPP 5-ton stoplog crane test and inspection 3-month PM
- OPP 5-ton stoplog gantry crane test and inspection 1-month PM
- OPP high pressure air compressor test and inspection 1-month PM
- OPP 1-ton chain hoist crane test and inspections 1-month PM
- OPP building door maintenance test and inspection 3-month PM
- OPP sump pump test and inspection 3-month PM
- OPP 3-ton chain hoist crane test and inspection 3-month PM
- OPP trash rake crane test and inspection 3-month PM

Civil Maintenance Crews:

- Hauled OPP Unit 5 bottom bowl from Unico to the plant

**DMC/CA Intertie Pumping Plant (DCI)**

Electrical/C&I Maintenance Crews:

- DCI pest control remediation and inspection 2-month PM
- DCI JIB hoist electrical test and inspection 3-month PM

Mechanical Maintenance Crews:

- None to Report

Civil Maintenance Crews:

- None to Report

**Delta-Mendota Canal (DMC)**

Electrical/C&I Maintenance Crews:

- DMC Check 2 upstream elevation indication failure troubleshoot and repair
- DMC Check 10 Gate 3 motor troubleshoot and replacement
- DMC Check 10 comm loss troubleshoot and repair
- Installed exhaust fan and lights in the LBFO server room
- LBFO Main gate controller test and inspection 1-month PM
- LBAO facility lighting test and inspection 3-month PM
- Firebaugh Wasteway drive system test and inspection 6-month PM
- Volta Wasteway drive system test and inspection 6-month PM
- Volta Well #1(West) start up for Don Pedro Pump

Mechanical Maintenance Crews:

- None to Report

Civil Maintenance Crews:

- Chemical weed control at MP 49.82 to 97.68
- Mechanical weed control at MP 21.91
- Trash collection at MP 16.19 and 48.94
- Hyacinth removal from MP 105.06 to 115.56
- DMC sign maintenance from Check 1 to Check 5
- DMC gate and fence maintenance from Check 1 to Check 5 and Check 13
- Float line repair at Check 5 and Check 7
- DMC hand rail repair at MP 56.82
- Repair pipe leak at MP 23.81-L
- Installed new drain pipe at MP 40.45-R
- Shoulder drain inspections from MP 4.41 to 58.28
- Cleaned drain inlet ditch at MP 47.09-R

253



- Cleaned silt and debris from turnouts at MP 15.95 and 28.89
- Fabricated support brackets on new turnout gates at MP 15.95 and 28.89
- Installed new turnout gates at MP 28.89, 51.40, and 67.55
- Numerous vehicle oil changes and minor repairs

### **Tracy Field Office**

#### **Electrical/C&I Maintenance Crews**

- CMT/VMT 2-ton monorail hoist test and inspection 3-month PM
- TFO Admin office lighting system test and inspection 3-month PM
- Tracy Warehouse lighting system test and inspection 3-month PM
- TFO Control Building emergency lighting test and inspection 1-month PM
- Tracy UPS battery bank and system electrical test and inspection 1-month PM
- Outfit new Electric Shop vans with racks, shelving and ladders
- Industrial water storage tank comm loss troubleshoot and repair

#### **Mechanical Maintenance Crews:**

- None to Report

#### **Civil Maintenance Crews:**

- None to Report

#### **Other Activities:**

- None to Report

### **USBR Support Services**

The Water Authority crews supported the following work at USBR facilities during the outage this month:

- None to Report

### **ENGINEERING DEPARTMENT**

The Engineering staff worked on the following O&M projects this month:

- Data management of well readings and creation of Warren Act hydrographs
- DCI Unit 1 & 2 plant trip troubleshooting
- DCI auto transfer switch (ATS) troubleshooting
- OPP plant metering & relay as-built drawing updates
- OPP stuffing box shaft sleeve recoating
- OPP Unit 5 annual maintenance support
- JPP water leak at and around Unit 5
- JPP stop log rehabilitation
- JPP Unit 3 high pressure lube pump
- JPP Unit 3 upper guide bearing rehab
- JPP heat exchanger replacement
- JPP Unit 1 upper guide bearing rehab
- JPP Units 1-6 fire suppression system inspection

### **Land Management Activity Summary:**

The Engineering staff issued one (1) access permit this month:

- Access Permit P2502023 was issued to Del Puerto Water District to keep the temporary water truck filling station turnout at MP 45.78-R on the Delta-Mendota Canal

254



The Engineering staff was involved with the following land management projects this month:

- Orestimba Creek recharge project
- Costco HOM property development
- Rogers Road Bridge design
- Costco Cold Distribution Center development
- Fresno County Nees Ave. bridge replacement
- Rogers-Vieira Subdivision City of Tracy development
- Westley Wasteway bridge replacement project
- International Parkway bridge replacement project
- Plan review of the City of Patterson Apricot World Development

**SAFETY DEPARTMENT**

The Safety Department worked on the following items this month:

The Safety Department worked on the following items this month: December 2024

- Provided Job Hazard Analysis support to the crews
- Sent out Safety Topics for the month of December 2024 to all SLDMWA staff:
  - 12-1-2024 Eye Safety
  - 12-2-2024 Job Hazard Analysis
  - 12-3-2024 Accident Investigation
  - 12-4-2024 Distractions
  - 12-5-2024 Constructions Fatal Four Hazards
- Provided Safety Message for December 2024 Newsletter
  - Small Falls Are a Big Deal
- Scheduled annual hearing tests for selected employees
- Coordinated meeting with Intelli-Tech representative for potential fire alarm and fire suppression system inspection and testing service
- Coordinated ARC Flash NFPA 70e Safety Training for SLDMWA employees
- Submitted California Air Resources Board report on portable generators
- Submitted Bay Area Air Quality Management District reporting requirement form for DCI generator
- Conducted Fall Protection Equipment inspections
- Coordinated Hazardous Waste pickup
- Coordinated Dielectric Rubber Glove testing

**PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT**

The Work & Asset Management Department worked on the following items this month:

Contracts/PO Agreements/LOA's Status Update:

Spec. No.	Title	Status
F25-JPP-032	JPP Wear Rings for Pumps	Pre-solicitation
F25-ALL-019	Scaffolding Rental	Pre-solicitation
F25-LBAO-030	Job Posting and Marketing	Pending proposal
F25-ALL-029	Document Management System	RFI then RFP
F25-ALL-031	Pentair Maintenance and Support Services	Pending proposal revision

558

F25-ALL-014	Portable Toilets	Executed 12/17, pending service and delivery
F25-ALL-018	Hallmark Project Management	Master Agreement, Per Task Amendment executed 12/17 for new rates
F24-OPP-031	Pump Bowl Manufacturing	Change Order and Amendment scheduled for January Board Meeting
F24-OPP-019	Transformer Rehab Project Management	Work ongoing, pending final invoice
F23-OPP-015	OPP Transformer Rehab Project	Work delayed for future outage
F22-DMC-047	Subsidence GEX	Amendment executed 12/16 for term extension

Ongoing:

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing/invoice disputes
- Routine janitorial activities at the TFO facilities
- Participated in NetSuite bi-weekly meetings, Shepherd weekly meetings and bi-weekly property tracking meetings
- Contract management/administration activities, including bi-weekly contract update meetings with Engineering staff
- Developing/implementing/updating purchase/procurement and asset/inventory procedures/boilerplate templates
- Bi-weekly WAM staff meetings to discuss updates/issues
- Bi-weekly project update meetings with O&M Director
- Contract invoice payment reviews, invoice disputes as needed, invoice payments

**INFORMATION TECHNOLOGY DEPARTMENT**

The Information Technology Department worked on the following items this month:

Administrative Activities:

- Monthly FAC, WRC and BOD meetings
- Creating policies for BYOD and MFA with Legal and HR
- Management of FY25 RO&M Budget
- Received RFI's from six vendors for Document Management solution

General Network & Desktop Support:

- Desktop support
- VLAN's for network segmentation
  - Phones, security, WIFI access points, new security system and gate control
- Created additional DHCP scopes for network segmentation with VLANs
- Tablets to ESHOP crew for CMMS
- System wide critical server patches deployed
- Additional creation and edit of GPO's for better domain administration and Cybersecurity
- Consolidate login batch files
- Troubleshoot Avaya phone system after lighting strike



## Ongoing:

- NetSuite
  - User and Administration
  - Bi-Weekly Implementation Team meetings
  - Monitor Citrin Cooper support activities for NetSuite
  - Budgeting software, Gravity
    - Implementation meetings
  - Grant management assigned to Citrin
- Shepherd
  - Weekly progress meetings
  - Continue testing tablets in field
  - Additional modifications to User roles
- Server refresh
  - Servers, prepping for redeployment
- Cybersecurity
  - Active Directory cleanup
  - Monitor Symantec Anti-Virus Management Console
    - Update Symantec
  - Security updates on servers
  - Monitor Firewall logs and alerts
  - Update additional AV security settings
  - Multi Factor Authentication (MFA) SurePassID
  - Cyber Security training and webinars
    - Cyber Readiness Institution Certification Course
  - Monitor Knowbe4 Phishing Campaign
    - Created new campaigns
  - Cyber Security Team
    - Cyber Security Incidence Response Plan
    - Disaster Recovery Plan
    - Business Continuity Plan
  - Monitor IBM (MAAS360) Mobile Device Management
  - Virtual server to host new Symantec Message Gateway server
    - Modify and refine settings
  - Review InfraGard dispatches – FBI Cyber Security group
  - Monitoring Darktrace Cyber Security appliance in IT network
  - Add Cloud immutable backups
  - Add “Cold” air gapped local backups
- Continued Deployment of Office 2021
- Logistical and technical support provided to Trofholz; site security installation
  - PIV card readers activated and tested with current issued ID's
  - Gate control planning
    - Tracy gate materials ordered and assisted vendor in configuration
    - Trofholz will tie controls into newly installed security system
- DWR regarding use of fiber from a 1992 contract agreement
  - Meeting with BOR
    - BOR to contact DWR
- Data migration
  - GIS server migration Phase 2
    - Map drives to new location



- FY24/FY25 Laptop refresh
  - OS image creation
  - Deployment underway
- New asset control and tracking

## SCADA Department

The SCADA staff worked on the following items this month:

### Administrative Activities:

- PIV Card security process paperwork amended
  - All SCADA Staff- PIV's issued
- InfraGard application process

### General SCADA Network Support:

- Bi-weekly review of DCI plans for SCADA and remote annunciation
- Continued writing scope for Aveva to ignition conversion
- CVO's NEW dedicated fiber connection
- Network segregation plan and design
- On-going Proof of Concept testing; installed ignition on Server 2022 Hyper V running windows 11, added new server to local domain and setup to use domain users, assigned I/P in DHCP server and DNS
- New Un-Wired circuit installed at Kelso in Byron
  - Testing started
    - validate and commission new connection point
      - awaiting DCI outage to move equipment
        - Attempted move and awaiting Un-Wired tech support
- Continued Cyber Security training
- Created new private cell APN link to monitor temperature in check structures and report to Control Room historian
- Test Peplink routers on FirstNet APN for potential remote access
- Research gate encoder replacements to update EOL existing units
- OPC Network optimization and clean up of obsolete devices
- Troubleshoot and assist C&I to repairs after lightning strike
  - Accusonic flow updates
  - Replace DIGI Eth to Ser converter
  - Radio comms to Syphon House
  - Radio comms to BBID

### Ongoing:

- AT&T FirstNet to start APN testing with DIGI devices
  - Final design completed
    - Device field testing completed
      - DIGI ix40 configured for network
      - ix30 deployed check 17
        - testing comms to PLC
  - Check 21 comms
    - Convert to FirstNet
  - Volta Wasteway
    - Convert to FirstNet
- Discussions continue to use fiber per 1992 USBR contract from JPP to DWR Check 12
  - Continued discussions with DWR with work in progress

- Continued discussions with Verizon Fiber Division to visit possibility of renting/leasing fiber from DWR Check12 to O'Neill
- Deploying new AP Wi-Fi system design for all locations
  - First phase of AP's arrived
    - LBFO office and shop
    - TAO office and electric shop
- Server Room
  - Upgrades of Operator A and B in progress
- OPP
  - Successfully testing Vega level sensor at O'Neill
  - PLC Software to be purchased
- DMC
  - Research new option for Volta Radio
    - FirstNet cell
    - Received a level sensor to test at Volta
- JPP
  - Water treatment plant SCADA integration
    - Establishing communication with Depolox system
    - Level sensor still to be installed
  - 26-M7; Siphon House communications
    - Received PLC parts for project
    - CCA panel equipment
    - New fiber to siphon house in stock
      - To be pulled
  - 26-M8; Trash Rake
    - Received PLC parts for project
    - Started program rewrite and documentation
    - Fiber from trash rake to server room in stock
      - To be pulled
    - Development of headless HMI for control interface
- LBFO
  - Parts in stock to install new AP's
    - Installed for compatibility testing
- DCI
  - HVAC project on hold
    - Future PLC's for entire DCI upgrade compatible

## **HUMAN RESOURCE DEPARTMENT**

The Human Resources Department worked on the following items this month:

### **General Administrative Activities:**

- Active Recruitments
  - Mechanical Engineer
  - Water Resource Engineer
- Closed Recruitments
  - Accounting Manager
- Resume/Candidate Reviews
  - Accounting Manager
  - Civil Maintenance Worker, Tracy
- Interviews
  - Accounting Manager

- Job Offers
  - Accounting Manager

Trainings:

- Cyber Security training tracking (all staff)
- Sexual Harassment Prevention training tracking (all staff)
- Defensive Driving training tracking (all staff)
- Ethics training tracking (executive staff)
- Workplace Violence Prevention training (all staff)

Government Reporting:

- EEOC tracking/reporting
- Affirmative Action report tracking

Ongoing:

- Performance appraisal tracking
- FMLA notices/follow-ups
- COBRA notices/follow-ups
- Worker's Comp follow-ups
- Monthly safety points distribution
- Health benefits eligibility/employee assistance
- Job description updates
- Policy updates
- Employment Law updates
- Maintain OSHA logs for calendar year
- PIV Cards (USBR)
- Wellness Program



Blank

# EXTRAORDINARY O&M & CAPITAL PROJECTS

Blank



## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### **DELTA-MENDOTA CANAL (DMC)**

#### **Bridge Abutment Repair at MP 92.73 (FY21)**

Status: No changes this month. PG&E has completed the relocation of the 6-inch gas transmission line that crosses under the MP 92.73 bridge serving the City of Dos Palos. In the process of removing the pipeline from the bridge, PG&E's contractor damaged the concrete stem wall. Staff performed a visual inspection with PG&E inspectors and contractor and determined that the damage is within SLDMWA's capabilities for repair. PG&E has agreed to reimburse SLDMWA the full cost of the repair (\$40k estimate), which is currently scheduled to be completed with the erosion repair. Scheduling for the erosion and liner repairs under the bridge abutment was planned during the Mendota Pool Dewatering, however an emergency repair of the concrete liner at Check 18 took priority. Further planning and discussions are required. In the meantime, the bridge remains closed until repairs are complete.

#### **DMC Subsidence Correction Project**

Status: SLDMWA continues to work closely with Reclamation on the DMC Subsidence Correction Project (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract, the \$2.7M Terracon Geotechnical contract, and the \$5.7M Upper DMC Design contract with USBR Technical Services Center (TSC), and a \$2.15M contract for utility locating and mapping along the Upper DMC. This month staff collaborated closely on the priorities of the project and steps to keep the project moving forward.

Feasibility Study: Reclamation is working towards securing consultation approvals to obtain a FONSI (Finding of No Significant Impact) and ROD (Record of Decision), both necessary to finalize Reclamation Policy (Policy) sign off. Policy has reviewed the study and finds that it appropriately addresses the need for Upper DMC restoration; however, further review of the Lower DMC repair is required. Coordination continues on State permitting efforts and permits will be filed for agency review.

Geotechnical Exploration: Terracon has submitted the Draft Geotechnical Characterization Report (GCR) to SLDMWA and BOR. Comments were delivered to Terracon and are currently being addressed. A coordination meeting was held to discuss the comments and additional detail was provided to Terracon to finalize the GCR. Given the amount of unresolved comments, the contract has been amended to include a time extension and a follow up team meeting will occur next month to evaluate the effort required to complete the contract.

Project Management: In anticipation of multiple bridge raises, construction packages, and multi-agency coordination efforts, staff executed a Professional Services Agreement with the Hallmark Group, a Capital Program Management consultant, to assist with managing the various aspects of the Subsidence project. The Hallmark team is currently developing a bridge designer scope of work and evaluating early delivery construction alternatives.

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

Design Data Support: Numerous design data collection efforts have been completed and continue to be coordinated. The remaining USBR data support tasks consist of survey data collection as needed by the design team. The Professional Services Agreement with Sandis Engineering for utility locating and mapping services was executed in August 2024. Sandis is managing the coordination of various location services along the DMC in both member agency areas and public ROW. Work continues in this period and has progressed to milepost 70. Survey crews are following along with potholing select crossings to verify depths for inclusion in the design drawings. Potholing and surveying have progressed to MP 50 and is ongoing.

### CP1 Embankment & Liner Raise Design:

- The 30% design review was completed in August 2024. The next key milestone is the 60% design review, schedule for February 2025.
- Staff has developed a draft PowerPoint presentation for the upcoming Planning Committee Meeting which has been heavily emphasized on Subsidence tasks.

### Funding

- CA Department of Water Resources (DWR): SLDMWA is currently in agreement with DWR for \$22.61M with an additional appropriation of \$22.61M available. Access to the second appropriation requires demonstrating a 2/3 non-state match and an ability to liquidate by June 30, 2027 with proportional spending assumed. The SLDMWA is working to develop a plan to ensure the grant is fully utilized. Progress Report number 10, and Invoice No. 3 was submitted for DWR review last month, and both approved this month.
- Bipartisan Infrastructure Law (BIL): \$25M awarded in FY23. \$50M awarded in FY24. Received notice of \$204M award for FY25. The Water Authority has requested to begin repayment negotiations with Reclamation.

### DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract was executed in November 2023 for the purchase of 50 flowmeters from McCrometer. All flowmeters have been delivered, however some outstanding issues remain with the type of brackets that were delivered. Staff are in the process of purchasing the correct brackets from a different vendor, with costs of brackets to be deducted from the McCrometer invoice. The McCrometer contract will likely be completed by next month.

### DMC Solar Over Canals 5 Year Pilot Project – USBR Grant Funded

Status: The Financial Assistance Agreement (FAA) application package was finalized in November and was submitted to Reclamation for funding. During their policy review in December, additional clarifications were requested in regards to SLDMWA indirect cost and the basis for some cost estimates. The requested information was provided this month. Funding is anticipated in early January.



## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### **DMC O&M Road Repair (Full Depth Rehabilitation)**

Status: Design of the repair is underway. Staff is working with a geotechnical consultant under an agreement to provide a cement mix design for the full depth reclamation which will feed into the technical specifications. Soil samples have been delivered to the consultant, and the team is still awaiting the completion of the cement mix design which will then be incorporated into the technical specifications.

### **DMC Underdrain Sedimentation Removal Project**

Status: As part of the project, pre and post cleaning video inspections will be completed. To date, three video inspections have been completed. The original intent was to complete the cleaning of 3-4 culverts to better gage time and costs for the entire project. After an informal solicitation and lengthy negotiation on terms and conditions, the solicitation has been withdrawn. A new, formal solicitation will be advertised in the Spring 2025.

### **C.W. "BILL" JONES PUMPING PLANT (JPP)**

#### **JPP Excitation System & Control Cabinet Modernization (FY18)**

Status: SLDMWA is currently in contract with Reclamation through a Letter of Agreement (LOA). TSC delivered the 100% design package this month. Solicitation of the project is scheduled to occur in January 2025, and be in contract mid-year 2025. Water Authority staff also entered into an agreement with a consultant to assist in managing the project.

#### **JPP Wear Ring Purchase (FY22)**

Status: This month staff has prepared scope of work and technical drawings for soliciting bids in January. The purchase is expected to be executed by end of the year.

#### **JPP Concrete Slab by Trash Rake Dumpster (FY23)**

Status: The project was solicited previously; however, the bids for the concrete pavement were significantly over the approved budget. Staff has determined that the project can be de-scoped while ensuring all requirements are still met. Plans and specifications have been updated per the new scope, and the project will be solicited in January with the contract execution scheduled for the March board meeting.

#### **JPP Siphon Breaker Communication Upgrades**

Status: Project underway, see SCADA Department O&M Report

#### **JPP Trash Rake Controls Modernization**

Status: Project underway, see SCADA Department O&M Report

#### **JPP Current Transformer (CT) Upgrade (Units 1 & 4)**

Status: The CT Upgrades for Units 1 & 4 were completed in November. Water Authority staff completed wiring modifications and CT installations, and Reclamation staff

2024

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

inspected the work and commissioned the CT's. Final Reclamation reporting and as-built drawings will be completed in the next couple months.

### **JPP Machine Shop Crane Rehabilitation**

Status: No Activity

### **JPP Rehabilitate Coating on Pump Casings & Bifurcation**

Status: This project has been put on hold until FY27. The project was formerly solicited, and bids came in significantly over budget. Staff will utilize pricing from the bids to request additional funds in the FY27 budget.

### **JPP Plant Flow Metering System Rehabilitation**

Status: Planning activities have begun. Inspection of the existing flow metering system occurred on 10/24/24. The plan is to have the equipment on hand to install during the outage for the JPP Pump Casings & Bifurcation project.

### **JPP Sand Filter System Rehabilitation**

Status: No Activity

### **JPP Unit Valve Replacement**

Status: All valves were received. Installation of valves to occur as schedule allows.

### **JPP UPS Battery Rehabilitation (Unplanned FY25 Project)**

Status: While originally planned for FY26, a recent inspection of the battery system revealed that multiple cells were showing signs of failure. Given that the Jones Pumping Plant cannot operate without a fully functional UPS system, it was necessary to accelerate the schedule of the project. The batteries were purchased Fall 2024 and have an 8-10 week lead time. The original manufacturer will also be repairing the battery charging system in advance of receiving the batteries. The batteries are expected to be replaced in January 2025.

## **O'NEILL PUMPING/GENERATING PLANT (OPP)**

### **Main Transformers Rehabilitation/Replacement**

Status: SLDMWA is currently in contract with Cal Electro Inc. (CEI) to complete the OPP Main Transformers Rehabilitation. The contract was awarded to CEI on May 10, 2023 and the Notice to Proceed was issued on May 18, 2023. SLDMWA is also in a Professional Services Agreement with DHR Hydro Services Inc. to provide project management services for the duration of the CEI contract. CEI's subcontractors include Pennsylvania Transformer Technology Inc. (PTTI), North American Substation Services (NASS), MIDEL, RESA Power, National Coating and Lining (NCL), and Pacific Power Testing (PPT).

The majority of rehabilitation work to the spare transformer has been completed, with the final work scheduled to occur in January and acceptance testing in February.

*des*



## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

Due to the potential water supply impacts, an alternative rehabilitation schedule is being planned that will involve multiple smaller outages utilizing the spare transformer to keep the plant operational while the transformers are rehabilitated. TSC designers are working on the specification updates, then a change order will be negotiated and brought to the board for execution.

### **OPP Upgrades – Pump Bowl Fabrication & Governor Rehabilitation**

Status: The agreement with Pentair to complete the engineering, design, and fabrication for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects has been executed. Design has currently at 60% for the bowl, and 30% for the governor. A contract amendment and change order is being brought to the board this month for execution.

### **OPP UPS Battery Charging System Replacement (FY22)**

Status: Replacement is complete. Final project closeout activities are underway.

### **OPP Station Service Backup Battery System Replacement (FY23)**

Status: Replacement is complete. Final project closeout activities are underway.

### **OPP Cooling Water System Rehabilitation (Phase II) (FY25)**

Status: Materials requiring a full plant outage were installed during the October outage. Cooling water pumps have been delivered and will be installed during unit annual maintenance.

### **OPP Sand Filter System Rehabilitation Design (FY24)**

Status: No activity this month. Project is currently on hold due to resources.

### **OPP Upgrades – Unit Rewind**

Status: No Activity. Start of this project is contingent upon signing a repayment agreement for the BIL funds.

### **OPP Upgrades – Unit Rehabilitation**

Status: No Activity. The start of this project will be timed appropriately with the Unit Rewinds, Pump Bowl Fabrication, and Governor Rehabilitation projects.

### **OPP Unit 5 Shaft & Pump Repairs (Unplanned FY25 Project)**

Status: During 2024 annual maintenance on OPP Unit 5, significant damage and wear to the lower pump bearing shaft sleeve and the stud nuts were discovered. After an engineering review, in coordination with USBR, it was determined that disassembly of the unit was necessary in order to replace and rehab the damaged components to prevent a catastrophic failure. To date, disassembly of the unit has been completed, and staff is currently assessing the damage and undertaking the steps necessary to repair the critical components through a combination of outside contracts and internal labor. Reassembly of the unit is under way, and is scheduled to be completed by early March.

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### **DELTA-MENDOTA CALIFORNIA INTERTIE PUMPING PLANT (DCI)**

#### **DCI Motor Protection Relay Replacement**

Status: Protective relays have been ordered, with delivery scheduled in January and March 2025. The new relay settings will be designed by USBR TSC protective relay engineer.

#### **DCI HVAC System Rehabilitation/ Replacement (FY23)**

Status: Planning activities began this month.

#### **U1 & U2 Incidence Recovery (Unplanned FY25 Project)**

Status: Two separate arc flash incidents resulted in the loss of the motor control controllers for Units 1 and 2. The motor controller sections require replacement to bring the units available. In addition, during the incident investigation, multiple deficiencies were identified and improvements are necessary to enhance control and reliability of the plant. Due to the extensive damage to a critical facility, the Water Authority executed two separate Professional Services Agreements to manage the project. DHR Hydro is managing the project, and assisting with the interface between the Water Authority and Reclamation. Ulteig is providing the necessary technical expertise to review and make recommendations regarding the protective relay system of the plant.

The Water Authority is currently pursuing contracts with Eaton to provide the material and labor for installation and commissioning of the new motor controller sections. Due to the 6-7 month lead time, material will be received and installed next fiscal year.

In the meantime, various improvements were planned such as replacing the automatic transfer switch (ATS), installing a satellite clock, and plant annunciation. Both the construction for the ATS and satellite clock is planned for January. While the plant annunciation system is still being designed with USBR, SLDMWA, and Ulteig.

USBR Regional Engineer's recommendations for the plant protective relays have been updated and wiring modifications completed by SLDMWA in November.

USBR TSC protective relays engineer has provided PMP's for DCI Plant report detailing evaluation, findings, and relay settings recommendations. These are planned to be executed in 2025.

### **MULTIPLE FACILITIES**

#### **TAO/LBFO Electric Vehicle Charging Stations – Phase 1**

Status: The Water Authority is in a professional services agreement with a consultant to develop a comprehensive plan to ensure the Authority is CARB compliant and has a well thought out plan regarding the purchase of zero emission vehicles.

267

**EXTRAORDINARY O&M & CAPITAL PROJECTS**

To date staff has met with the consultant several times and has provided all necessary vehicle use data as requested.

TAO Kitchen Remodel

Status: Planning activities have begun but are currently on hold.

Blank



X 11 B

# DMC Subsidence Correction Project Status Update

January 16, 2025

Joint Special Workshop of the Board of Directors and SLDMWA Committees



269



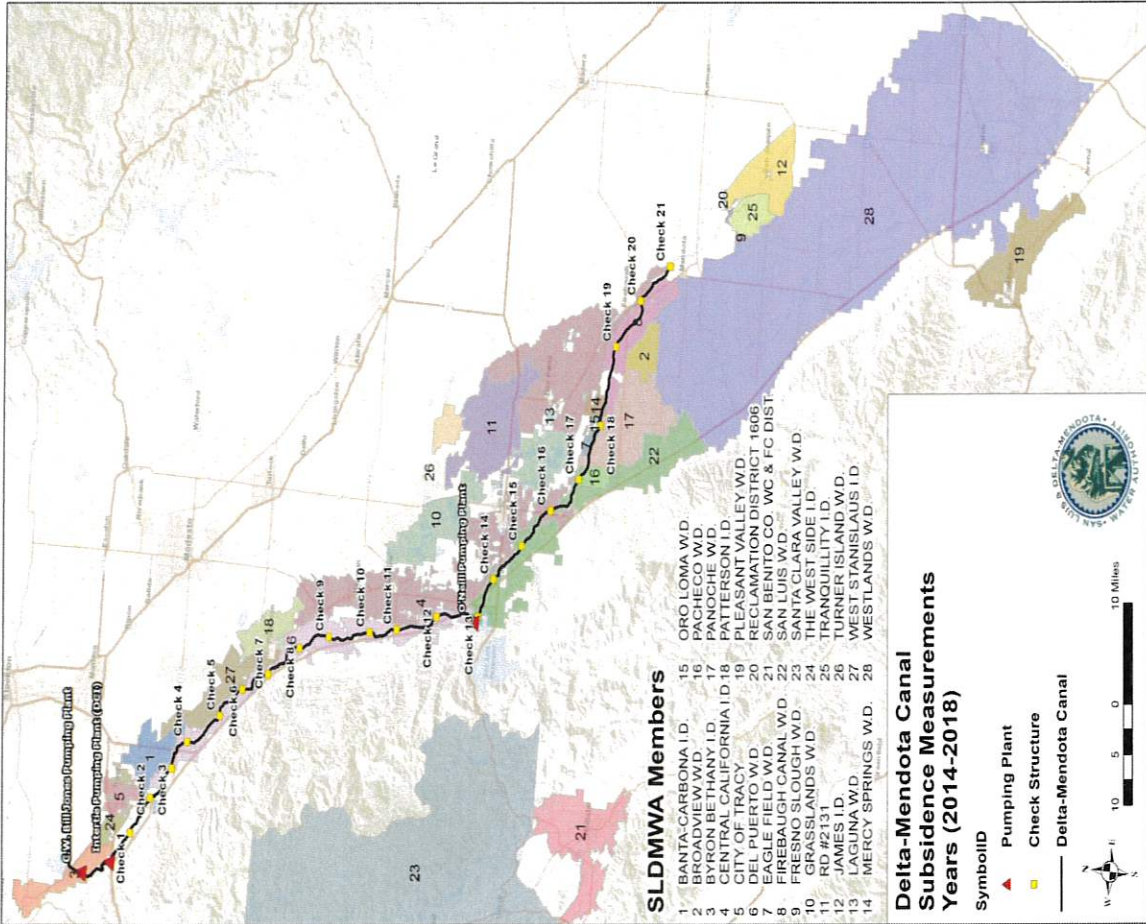
# Outline

- ▶ Project Background
  - ▶ Delta-Mendota Canal (DMC) Overview Map
  - ▶ DMC Subsidence Survey Graph
  - ▶ Current Operations
  - ▶ Subsidence Photos
- ▶ Current Status
  - ▶ Feasibility Study & Environmental Compliance
  - ▶ Funding Details
  - ▶ Upper DMC Design Parameters
    - ▶ DMC Profiles
    - ▶ Liner Raise
- ▶ Future Path
  - ▶ Scope of Work
  - ▶ Schedule
  - ▶ Cost Allocation Discussion





# Delta-Mendota Canal Overview Map

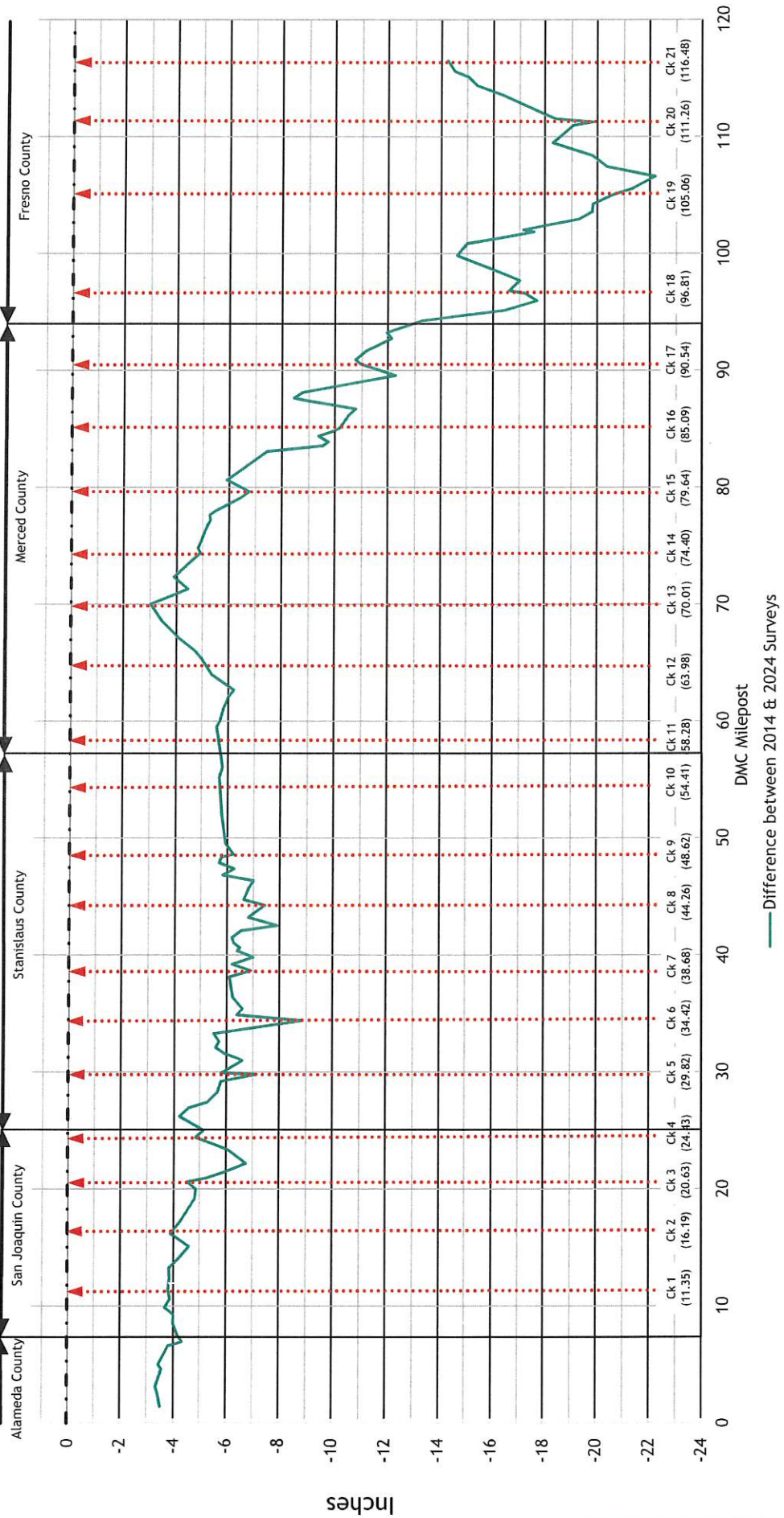


271





# Delta-Mendota Canal, Subsidence Survey Graph Elevation Differences between 2014 & 2024 Subsidence Surveys

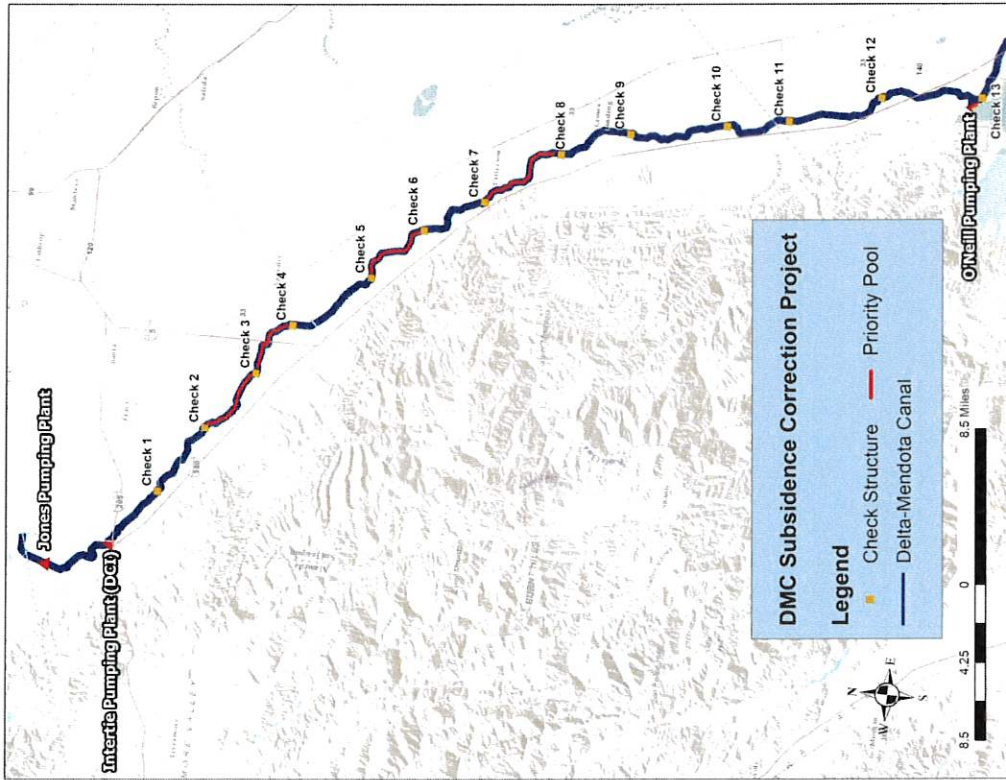


272





# CURRENT OPERATIONS



Reach/ Pool	Mileposts	Design Capacity (cfs)	Current Operational Capacity (cfs)	Current Operational Constraint (cfs)
1 <sup>1</sup>	3.5-11.35	4,600	4,200	400
2	11.35-16.19	4,498	3,720	778
3	16.19-20.63	4,498	3,720	778
4	20.63-24.43	4,399	3,720	679
5	24.43-29.82	4,399	3,720	679
6	29.82-34.42	4,299	3,720	579
7 <sup>2</sup>	34.42-38.68	4,299	3,760	539
8	38.62-44.26	4,299	3,760 <sup>3</sup>	539
9	44.26-48.62	4,299	3,760	539
10	48.62-54.41	4,199	3,760	439
11	54.41-58.28	4,199	3,760	439
12	58.28-63.99	4,199	3,760	439
13	63.99-70.01	4,199	3,760	439

1. Current Operational Capacity includes 480 cfs pumping at DCI
2. Current Operational Capacity includes 40 cfs NVRPP inflow
3. Maximum pool capacity due to subsidence





## Subsidence Photos

Delta-Mendota Canal,  
Temporary Concrete  
Lining Extension at  
Milepost 23.2.  
(UPPER DMC)

Formed fabric lining  
extensions added up to  
1' of freeboard to  
prevent overtopping of  
the concrete lining at  
high flows.







## Subsidence Photos

Delta-Mendota Canal,  
Temporary Concrete  
Lining Extension at  
Milepost 23.2.  
(UPPER DMC)

Formed fabric lining  
extensions added up to  
1' of freeboard to  
prevent overtopping of  
the concrete lining at  
high flows.



275





## Subsidence Photos

Delta-Mendota Canal,  
Milepost 24.3.  
(UPPER DMC)

Water surface is above  
the original top of lining  
during high flows.  
(Photo looking  
upstream)



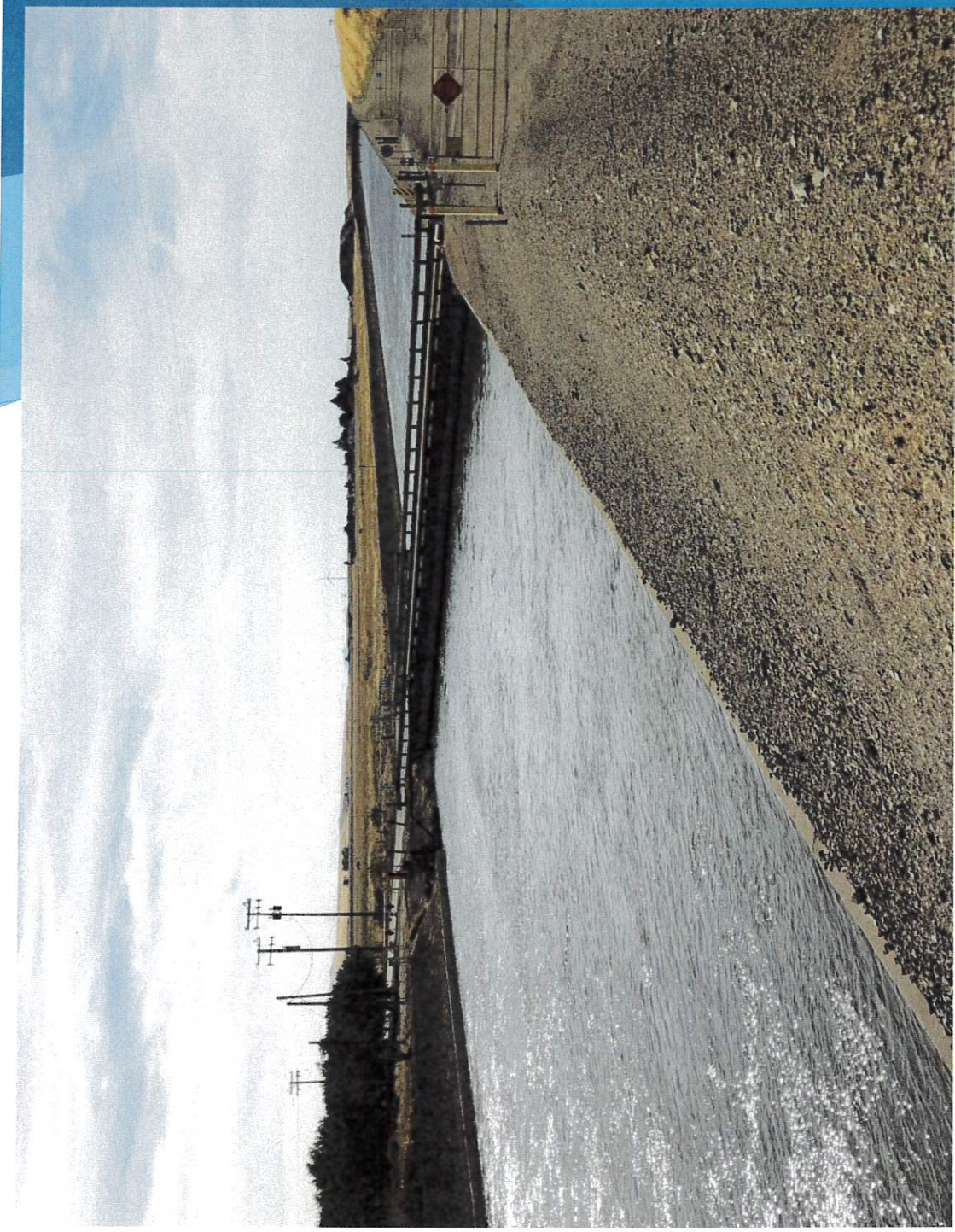




## Subsidence Photos

Delta-Mendota Canal,  
Gaffery Road Bridge  
Milepost 26.21.  
(UPPER DMC)

Bridge no longer has  
clearance between bottom  
of bridge and canal water  
surface. (Original design  
clearance was 2')



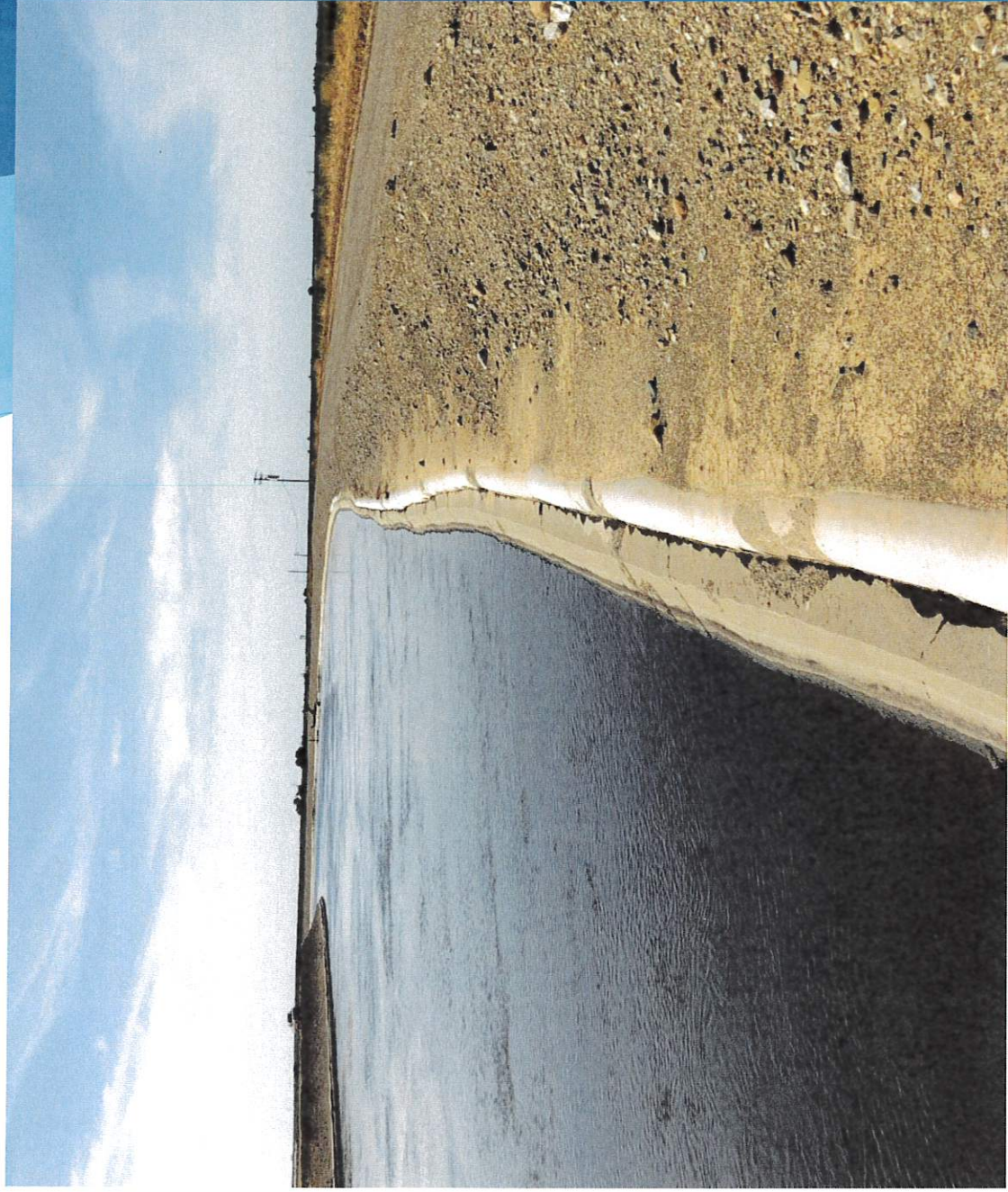




## Subsidence Photos

Delta-Mendota Canal, Milepost  
33.70 Right.  
(UPPER DMC)

Temporary concrete lining  
extension to prevent canal  
water surface from  
overtopping existing concrete  
lining. (Photo looking  
upstream)



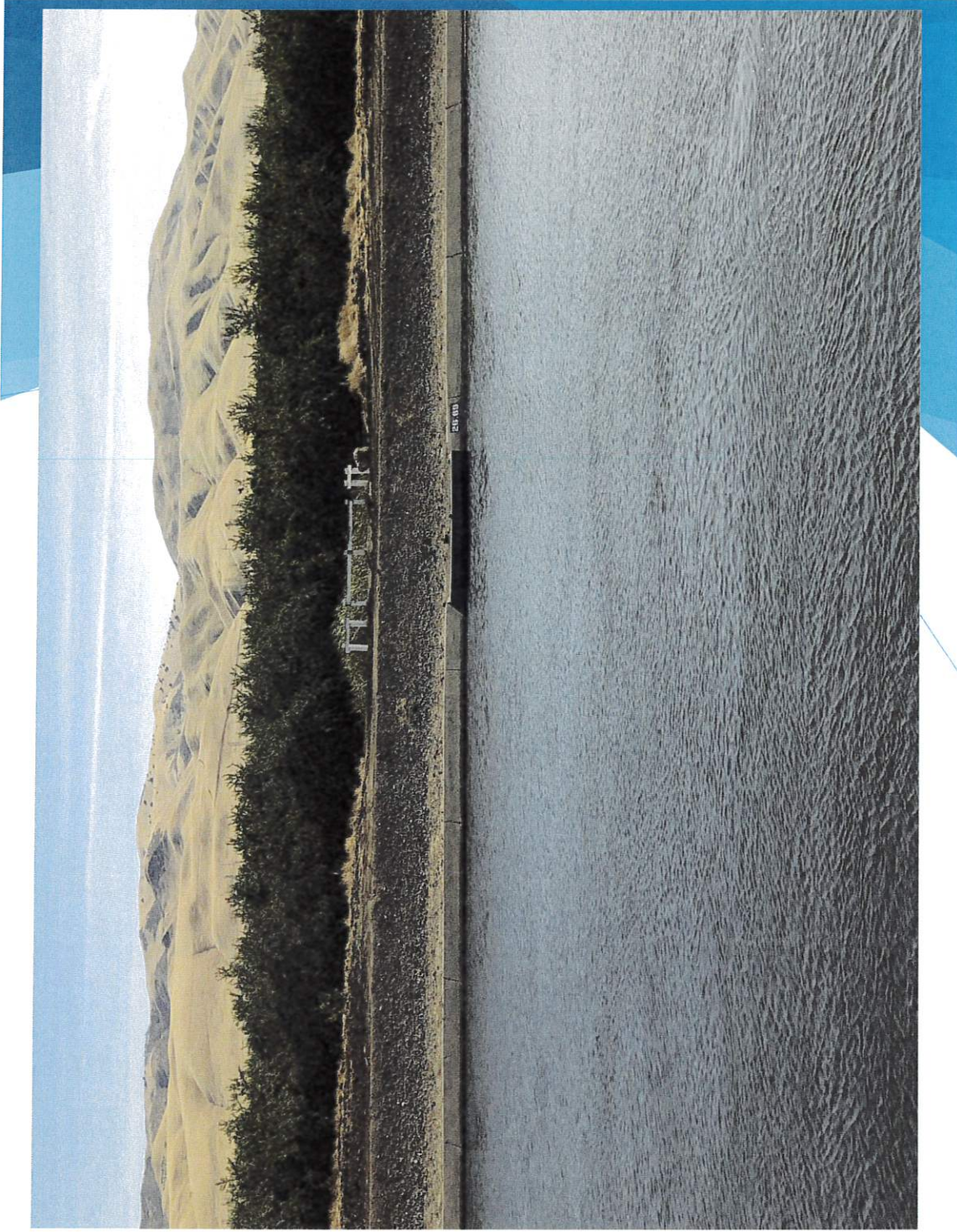




Subsidence Photos

Delta-Mendota Canal,  
Storm Drain Inlet at  
Milepost 26.69 Right.  
(UPPER DMC)

Drain Inlet completely  
submerged.



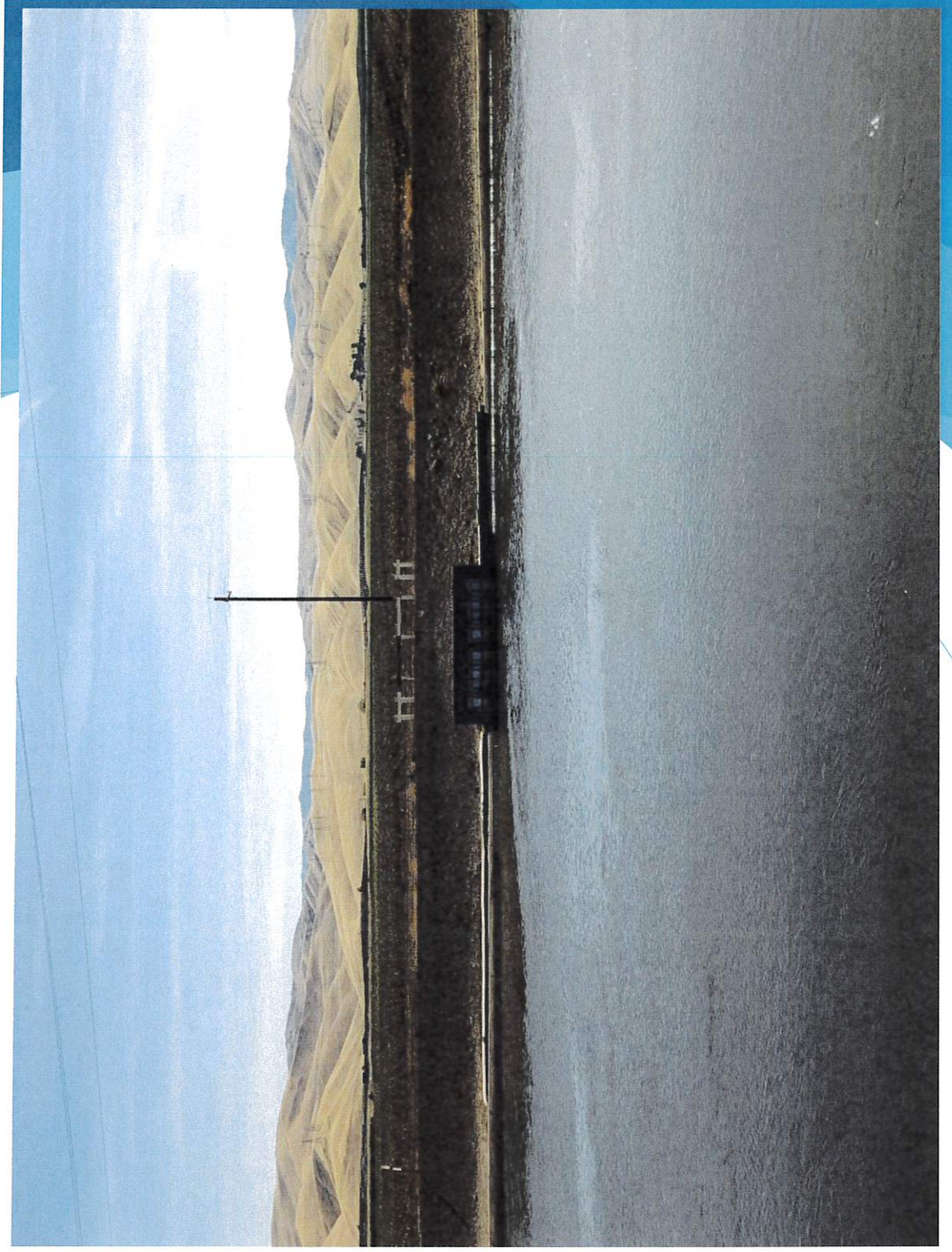




## Subsidence Photos

Delta-Mendota Canal,  
Storm Drainage Inlet  
Structure, Milepost  
33.89R.  
(UPPER DMC)

Structure invert is no  
longer above the canal  
water surface.



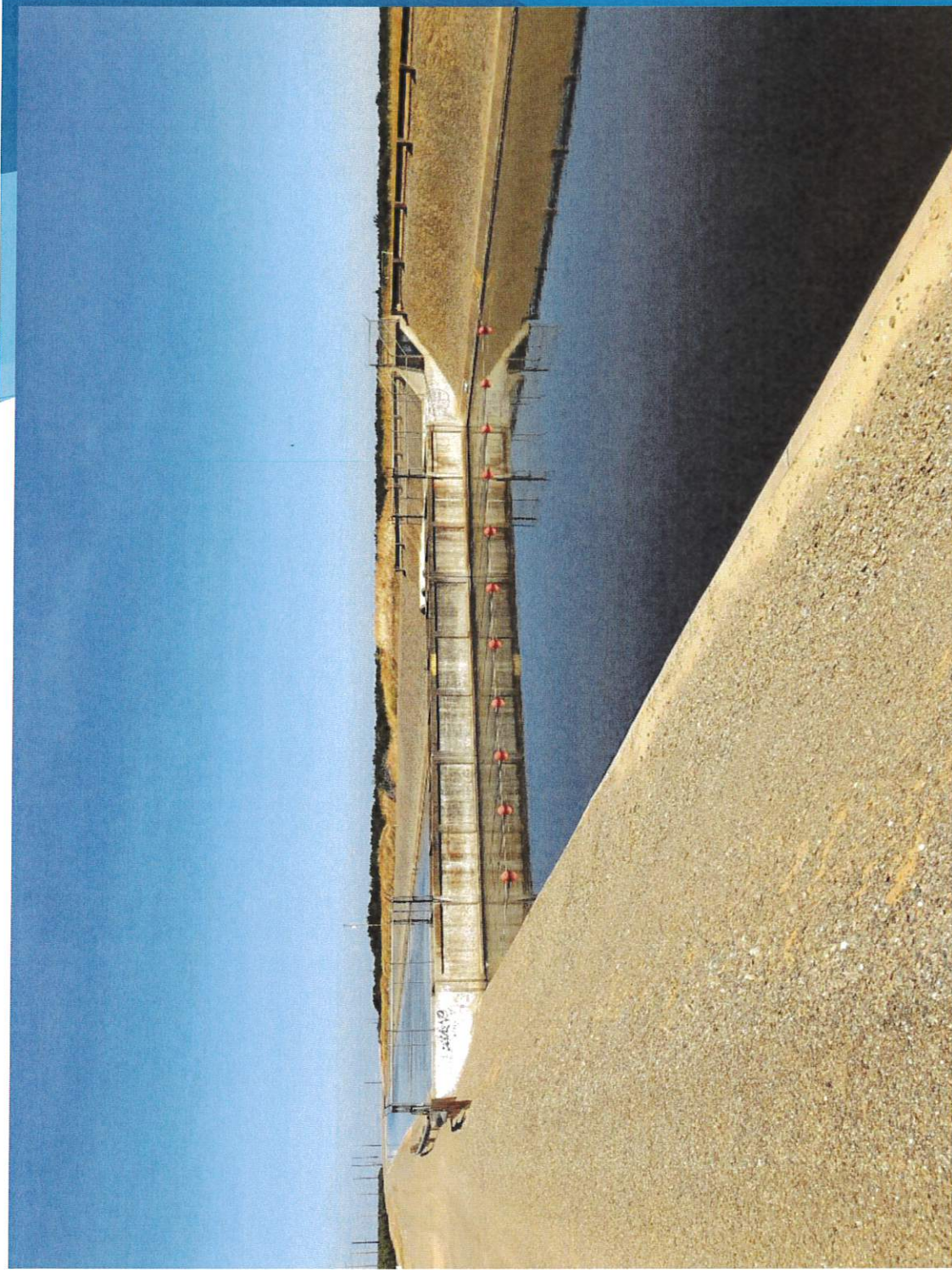




## Subsidence Photos

Delta-Mendota Canal,  
Salado Creek Storm  
Drainage Overcrossing,  
Milepost 41.93.  
(UPPER DMC)

Crossing structure no  
longer has clearance  
between bottom of  
bridge and canal  
water surface.  
(Original design  
clearance was 2'  
minimum)



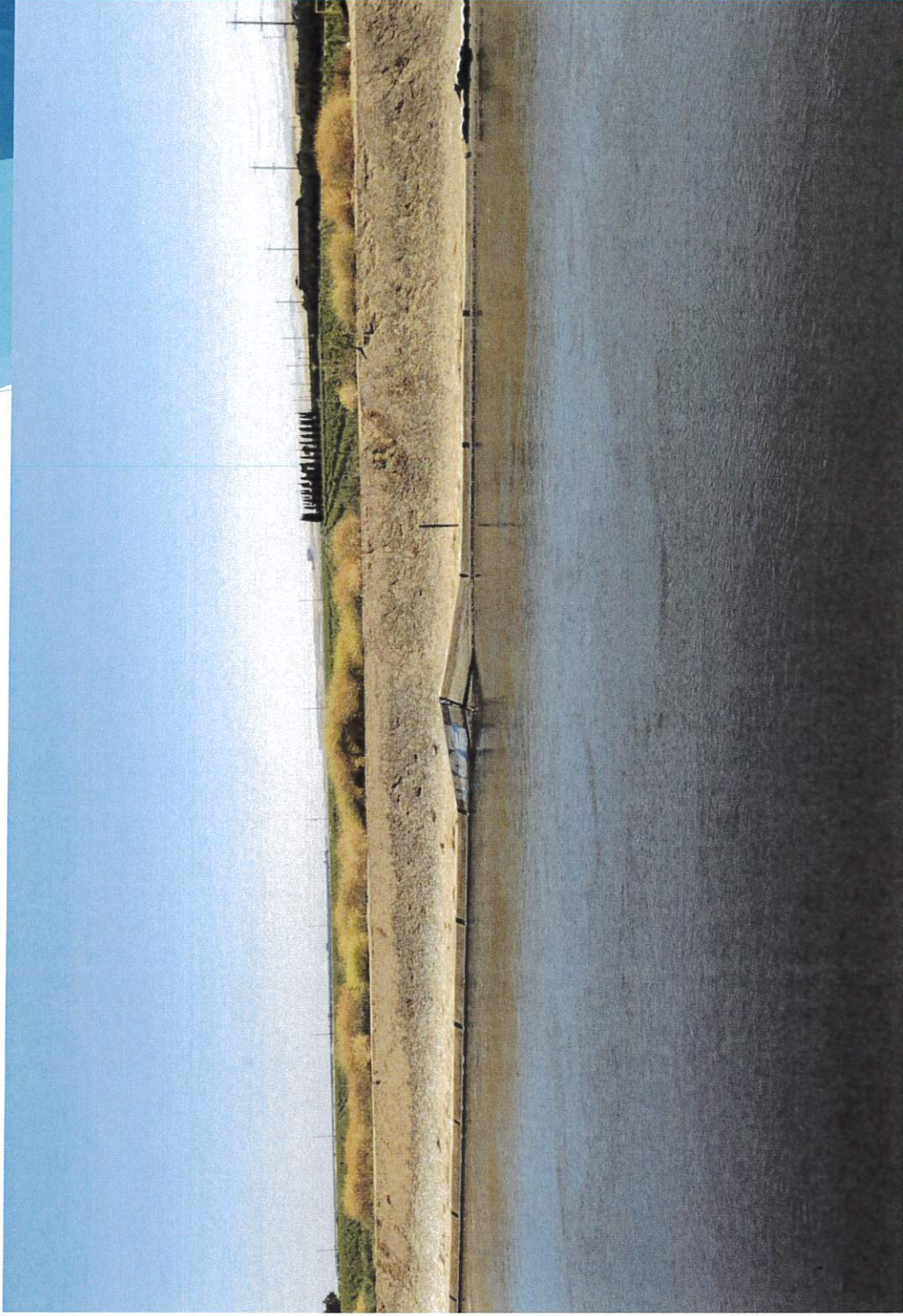




Subsidence Photos

Delta-Mendota Canal,  
Milepost 44.54. D/S of  
Ward Road (UPPER  
DMC)

Buckled concrete  
lining Panel condition  
in July 2019.







## Subsidence Photos

Delta-Mendota Canal, D/S  
of Ward Road Bridge,  
Milepost 42.54.  
(UPPER DMC)

Buckle Concrete Lining.  
Photograph taken in  
September 2024. Lining  
buckling continues to  
worsen.







## Subsidence Photos

Delta-Mendota Canal,  
Davis Road Bridge,  
Milepost 45.77.  
(UPPER DMC)

Bridge no longer has  
clearance between  
bottom of bridge and  
canal water surface.  
(Original design  
clearance was 2'  
minimum)



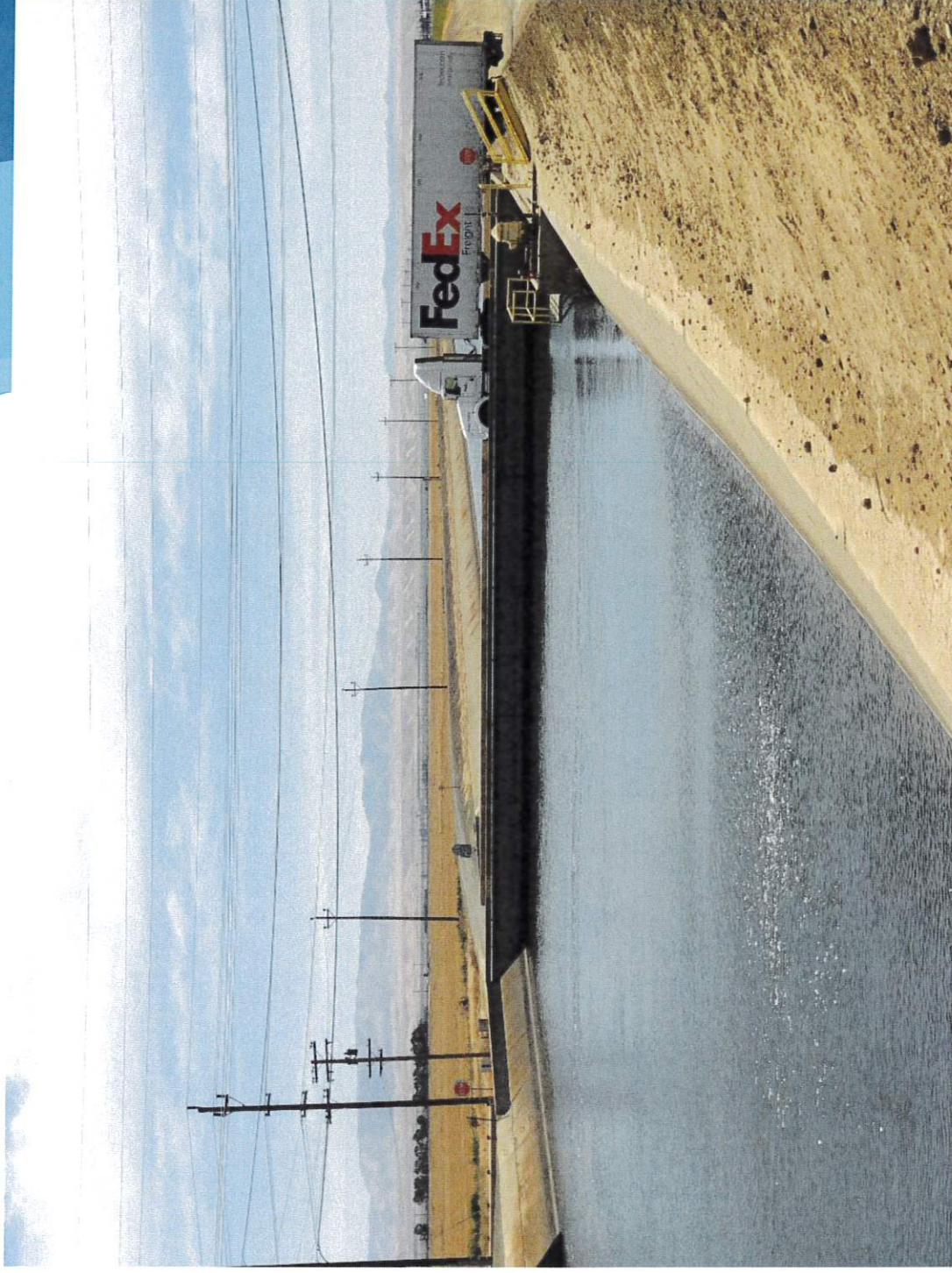




## Subsidence Photos

Delta-Mendota Canal,  
Russell Ave Bridge,  
Milepost 97.68.  
(LOWER DMC)

Bridge no longer has  
clearance between bottom  
of bridge and canal water  
surface. (Original design  
clearance was 2' minimum)



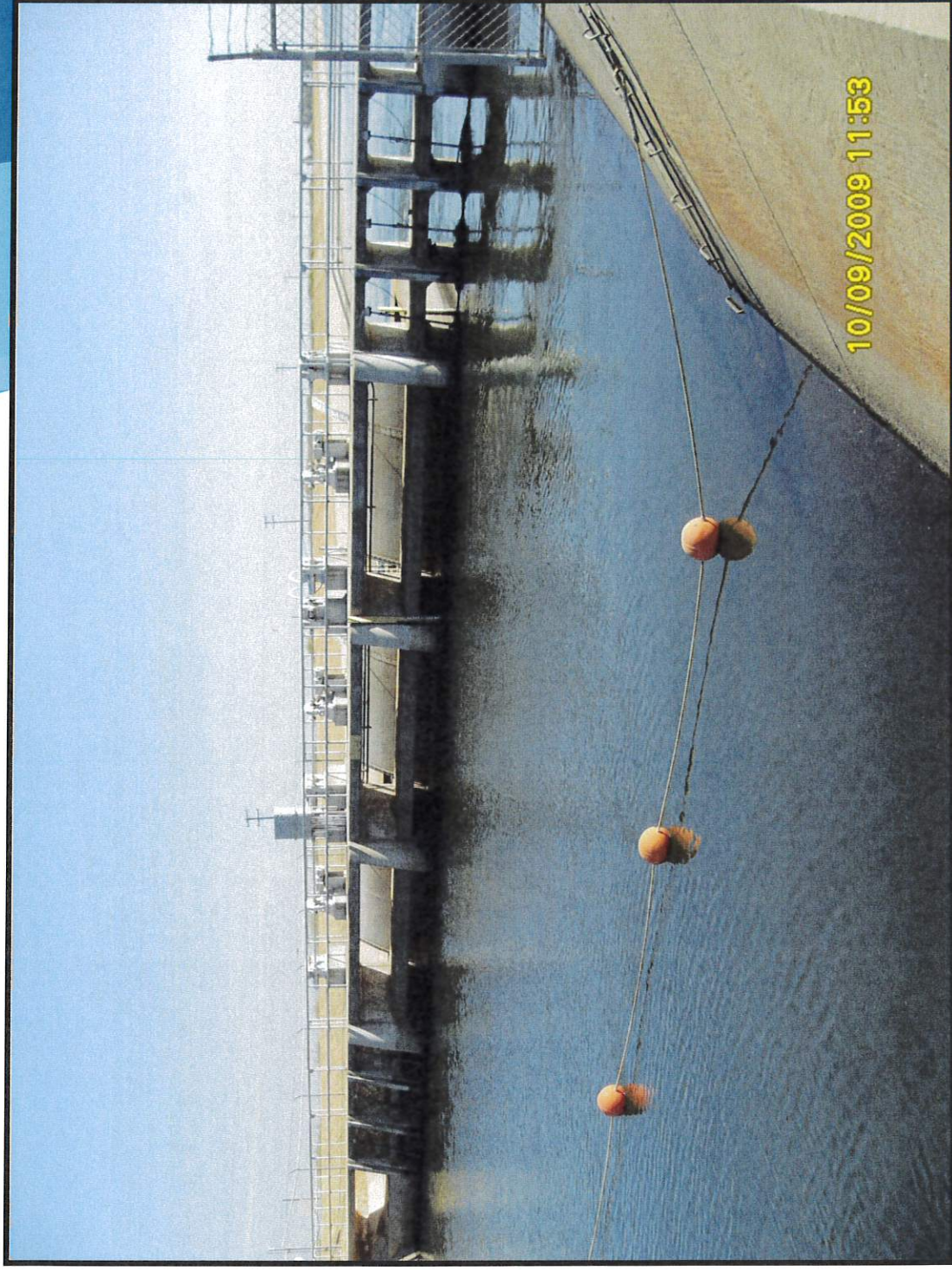




## Subsidence Photos

Delta-Mendota Canal,  
Check Structure No. 18,  
Milepost 96.81.  
(LOWER DMC)

USBR modified this  
structure in 1977. Added  
new deck 4' above  
original deck and added  
4' extensions to radial  
gates.



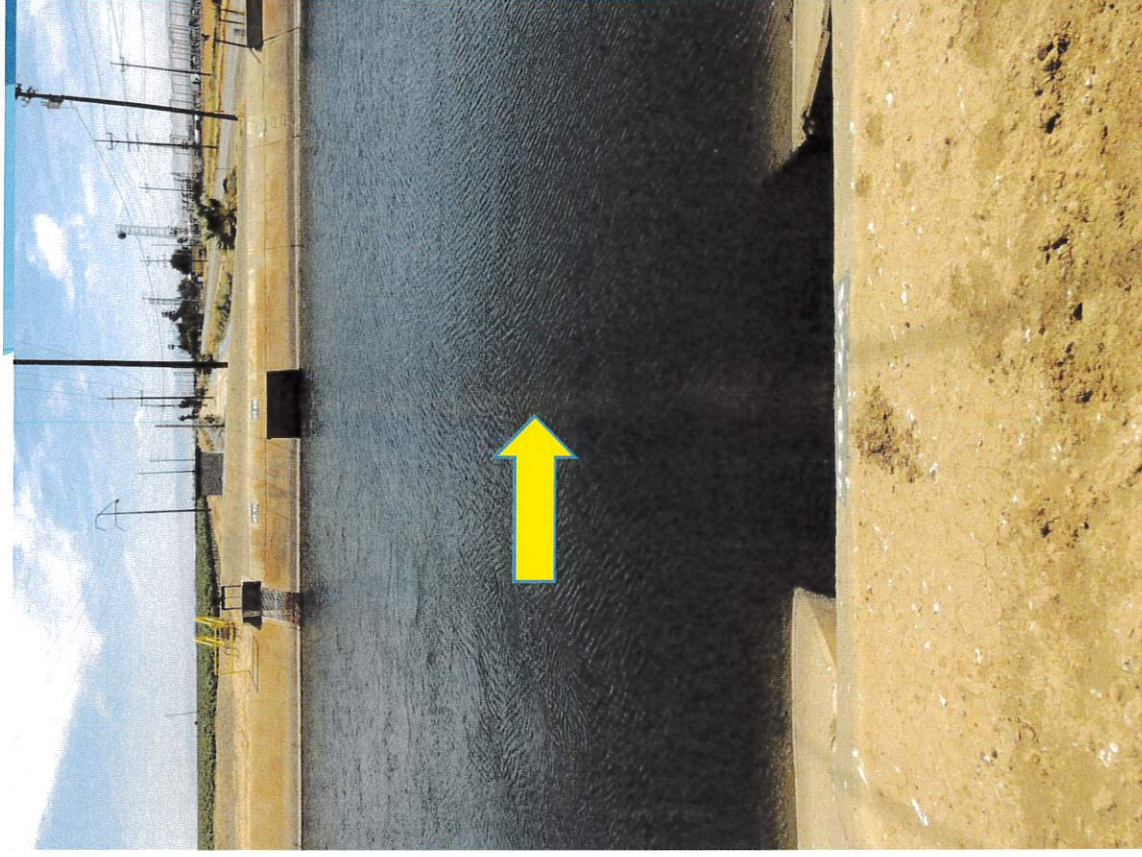




## Subsidence Photos

Delta-Mendota Canal, Irrigation Pipeline Crossing, Milepost 97.69. (LOWER DMC)

Pipeline is submerged 6 inches below canal water surface. Pipeline originally had a 3-foot clearance between bottom of pipe and water surface.









# CURRENT STATUS





# Feasibility and Environmental Compliance

- ▶ Feasibility Study completed and approved by Reclamation
  - ▶ Structural Repair of the Upper DMC was approved as-is (additional modeling required on Lower DMC)
- ▶ Environmental Compliance
  - ▶ Joint NEPA/CEQA document prepared with Reclamation & Water Authority as lead agencies
  - ▶ Environmental Assessment(EA)/Initial Study (IS) with an associated Finding of No Significant Impact (FONSI) pursued
- ▶ EA/IS Finalized
- ▶ FONSI expected to be executed in the Summer 2025
- ▶ CEQA coordination is on-going





# Funding Details

Funding Sources	Amount
FY23 BIL Funding	\$25.0M
FY24 BIL Funding	\$50.0M
FY25 BIL Funding	\$204.0M
DWR Grant (1 <sup>st</sup> Appropriation, Committed)	\$22.6M
DWR Grant (2 <sup>nd</sup> Appropriation, Uncommitted)	\$22.6M
Total:	\$324.2M

Notes

1. Repayment agreement required to utilize BIL funds. Currently being pursued.
2. Approximately \$8.5M invoiced to DWR.

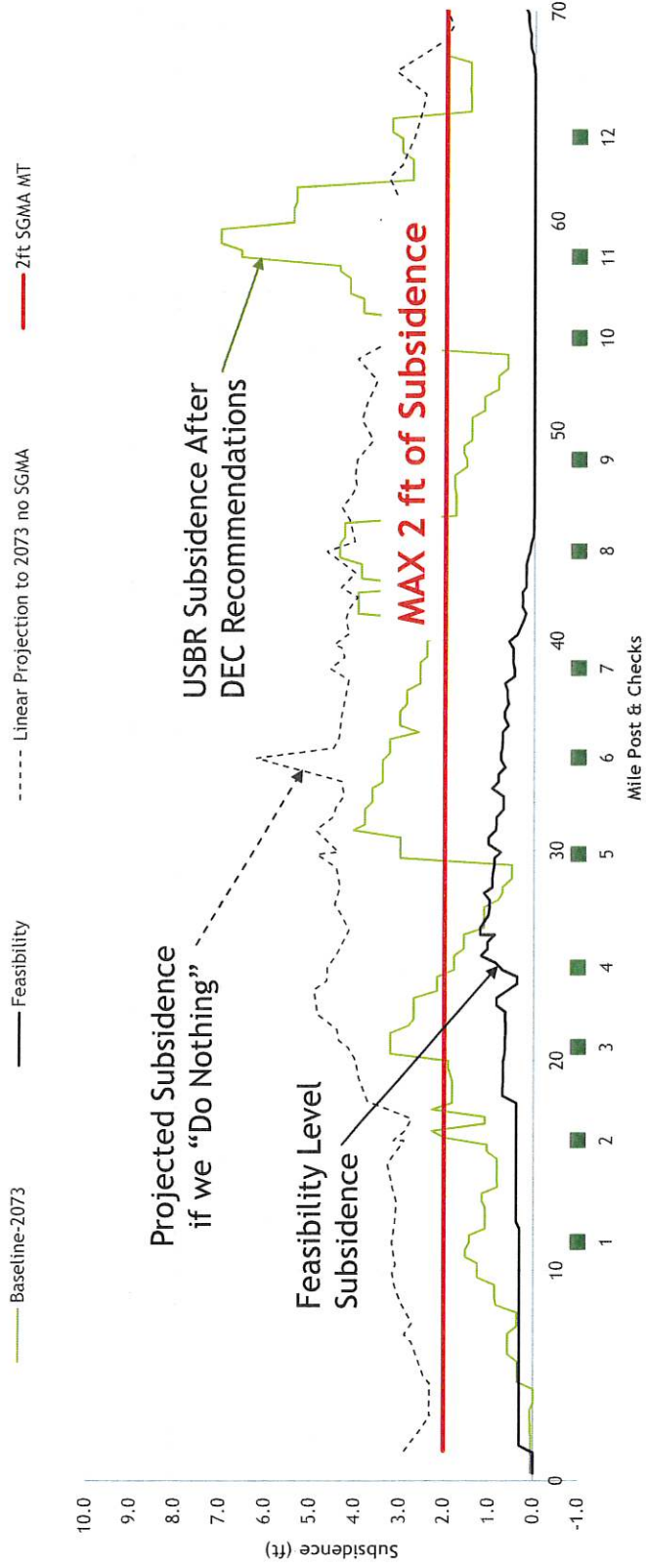




# Upper DMC Design Parameters, DMC Profiles

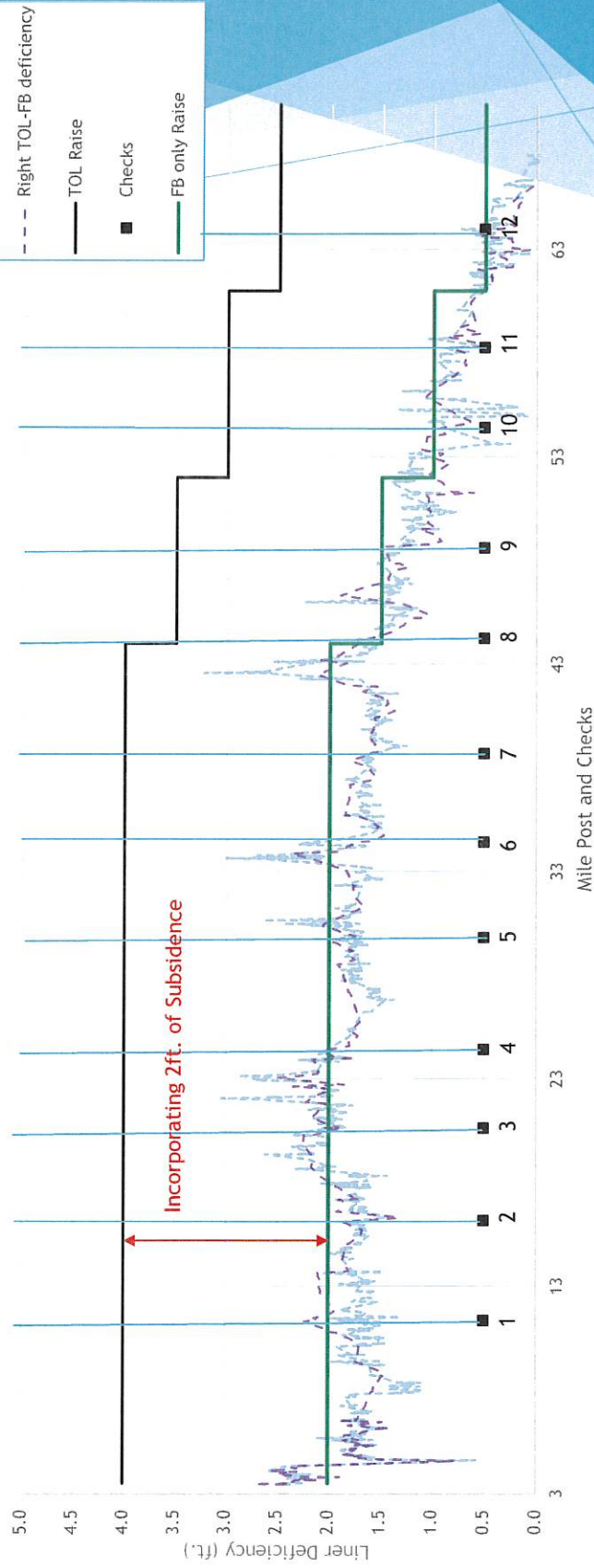
## USBR modeled subsidence scenarios (Yr. 2073)

### SUBSIDENCE 2073





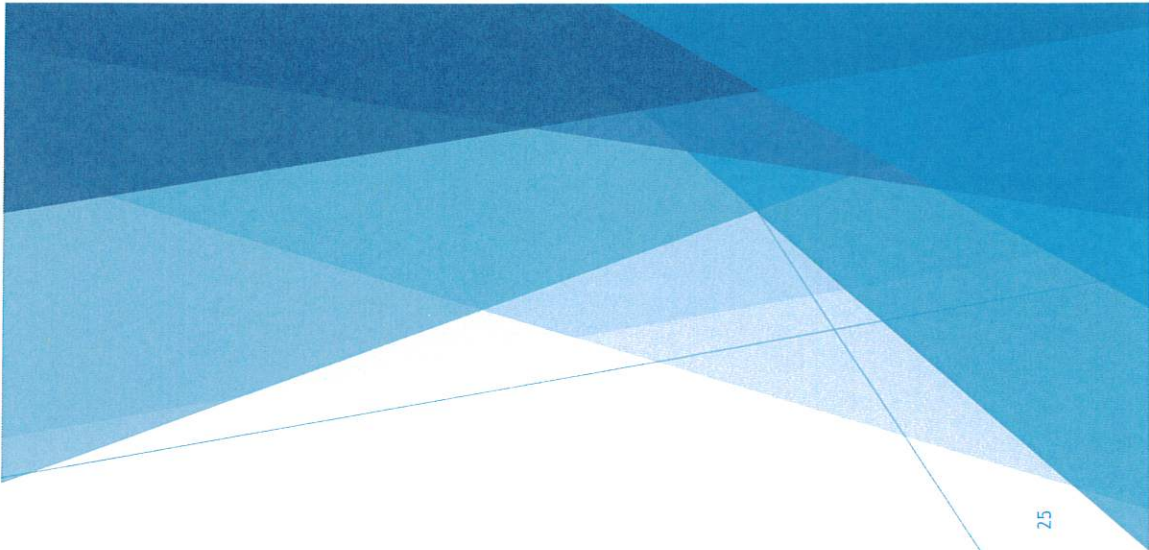
# Upper DMC Design Parameters, Liner Raise



- Graph shows the liner deficiency at maximum capacity per reach.
- Green line represents the liner raise to address minimum freeboard requirements
- Black line accounts for the potential 2 ft. of additional subsidence through 2073







25

# FUTURE PATH



→ 93



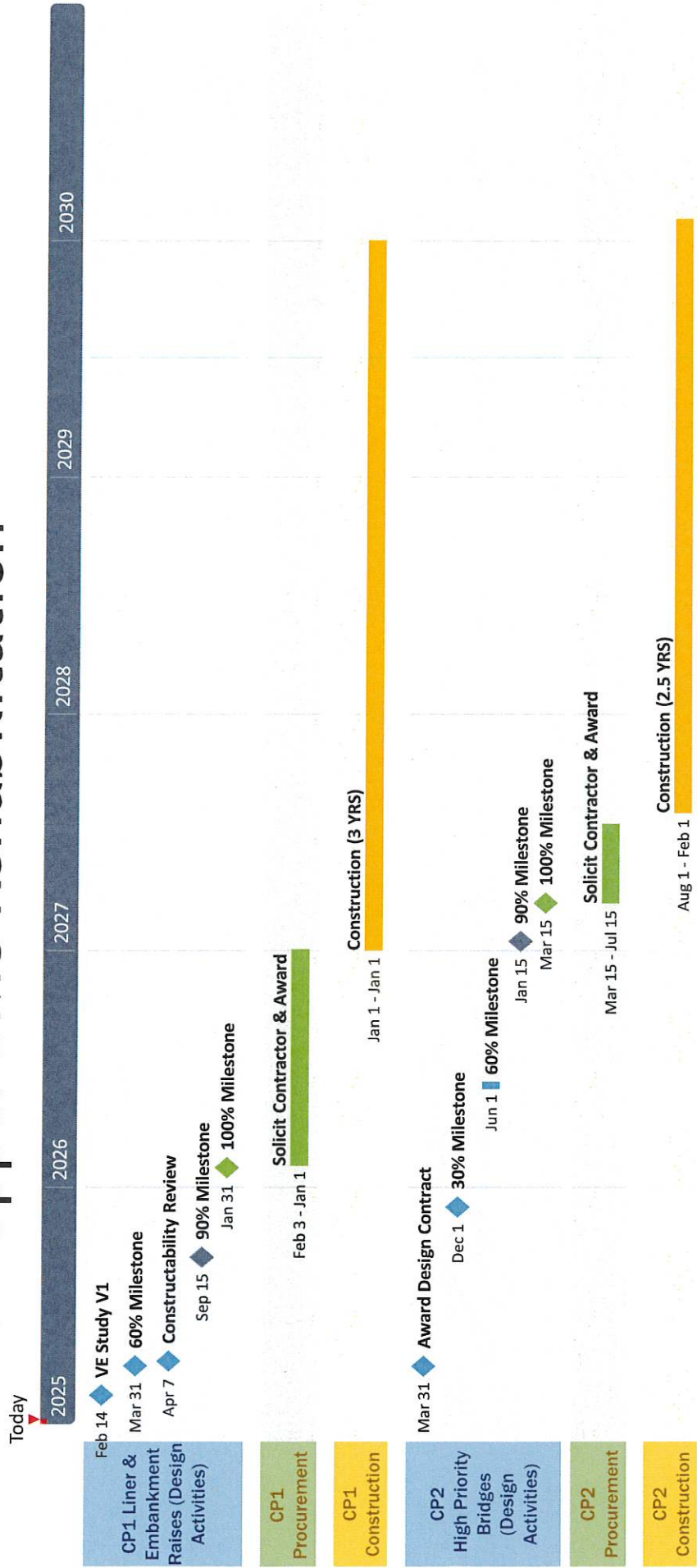


## Scope of Work (SOW)

- ▶ SOW focused on priority areas to best utilize BIL and DWR Funding
- ▶ Construction Package 1
  - ▶ Raising Concrete Liner and Embankments in Pools 3, 4, 6, & 8
  - ▶ Currently being designed by USBR, Technical Services Center
  - ▶ 30% design completed, Approaching 60% Design Milestone
- ▶ Construction Package 2
  - ▶ Raising High Priority Bridges in Upper DMC
  - ▶ Entire Upper DMC included to ensure full flows from headworks to O'Neill Pumping Plant
  - ▶ To be designed by a Bridge Consultant through competitive process



# Schedule - Upper DMC Rehabilitation



295





# Cost Allocation Discussion

- ▶ Key Questions about the Project
  - ▶ How does Reclamation foresee future operations of the DMC?
  - ▶ What are Reclamation's freeboard requirements?
  - ▶ What are the appropriate design standards?
- ▶ Need to Initiate Repayment Contract Negotiations with Reclamation
- ▶ Discussion Regarding Ideas, Concepts, and Set of Principles for Cost Allocation

