



AGENDA

**Meeting of the Reclamation
District 2084 Board of Trustees
Wednesday, August 7th 2024
9:00 am**

Larsen Wurzel and Associates, Inc.
2450 Venture Oaks Way Suite
240, Sacramento, CA 95833

Alternative Location:
Office of Page Baldwin, Jr.
3348 Liberty Island Road
Rio Vista, CA 94571

Mark Young
President / Trustee
December '27

Page Baldwin Jr.
Trustee
December '27

Matt Gause
Trustee
December '25

Richard Harris
Trustee
December '25

Marshall Cook
Trustee
December '25

NOTICE TO THE PUBLIC

For Virtual Public Access:

Meeting Link (via Microsoft Teams):

[Click here to join the meeting](#)

Call in: 1-469-294-4078

Meeting number/access code: 642 577 498#

Any member of the public appearing virtually may speak during Public Comment. Reclamation District No. 2084 will use best efforts to swiftly resolve requests for reasonable modifications or accommodations with individuals with disabilities, consistent with the Americans with Disabilities Act, and resolving any doubt whatsoever in favor of accessibility.

- 1. Call to Order**
- 2. Roll Call and Opening Remarks**
- 3. Public Comment (New Business)**
This is an opportunity for members of the public to directly address the Board on subject matter not on the agenda within the jurisdiction of the Board.
- 4. Agenda Approval (Action)**
- 5. Consent Items**
 - a. Approval of Meeting Minutes June 5th, 2024 (Action)
Enclosure 1: Agenda Item 5.a.1 – Meeting Minutes
- 6. Board Items (Action item unless otherwise noted)**
 - a. Meeting Day/Time Evaluation (Action)
 - b. Mandatory Trainings Status Update (Informational)
 - c. RD 536 Letter regarding abandoned pipe penetration (Informational)
 - d. New/Renewed Contracts for Fiscal Year 2024-25 (Informational)

7. Operations and Maintenance Update

- a. Update from MBK Engineers (Informational)
Enclosure 2: Agenda Item 7.a – MBK Engineer’s Report
- b. Ongoing Maintenance Items (Informational)
- c. Local Borrow Evaluation / Preliminary Quantity Cost Estimates (Informational)
Enclosure 3: Agenda Item 7.c – Local Borrow Evaluation / Preliminary Quantity Cost Estimates
- d. Update on Potential Contracting for Repairs (Informational)

8. Financial Management

- a. Invoicing, Fiscal Year 2023-24 Budget Performance, Financial Updates (Informational)
Enclosure 4: Agenda Item 8.a –Financial Manager’s Report/s

9. Little Egbert Project Update

- a. Draft LEMBP project description review request - due Friday August 2nd (Informational)

10. Other Reports (Informational Only)

- a. Trustee Report(s)
- b. General Manager’s Report
- c. Counsel Report (if needed)

11. Adjourn

- a. The next regular Board Meeting is set for September 4, 2024 at 9:00am (to be determined based on Board Action in Section # 6 above)

-
- Any documents related to agenda items that are made available to the Board before the meeting will be available for review by the public by contacting info@rd2084.org.
 - If you need reasonable accommodation due to a disability, please contact info@rd2084.org at least 48 hours in advance of the meeting. This contact information may also be used for any questions you may have.
 - Public comments are generally limited to three (3) minutes but may be more or less at the discretion of the Board.

The Board may consider the agenda items listed above in a different order at the meeting, pursuant to the determination of the Board Chair. All items appearing on this agenda, whether or not listed expressly for action, may be deliberated upon and subject to action at the discretion of the Board.

ENCLOSURE 1

AGENDA ITEM 5.a.1



MINUTES

**Meeting of the
Reclamation District 2084
Board of Trustees
Wednesday, June 5th 2024
9:00 am**

Larsen Wurzel and Associates, Inc.
2450 Venture Oaks Way
Suite 240
Sacramento, CA 95833

Alternative Location:
Office of Page Baldwin, Jr.
3348 Liberty Island Road
Rio Vista, CA 94571

Mark Young
President / Trustee
December '27

Page Baldwin Jr.
Trustee
December '27

Matt Gause
Trustee
December '25

Richard Harris
Trustee
December '25

Marshall Cook
Trustee
December '25

NOTICE TO THE PUBLIC

For Virtual Public Access:
Meeting Link (via Microsoft Teams):

[Click here to join the meeting](#)

Call in: 1-469-294-4078

Meeting number/access code: 642 577 498#

Any member of the public appearing virtually may speak during Public Comment. Reclamation District No. 2084 will use best efforts to swiftly resolve requests for reasonable modifications or accommodations with individuals with disabilities, consistent with the Americans with Disabilities Act, and resolving any doubt whatsoever in favor of accessibility.

1. Call to Order

The meeting was called to order at 9:00 am. President Young presided.

2. Roll Call and Opening Remarks

Trustees Present: Mark Young (President); Richard Harris; Marshall Cook; Page Baldwin, Jr.

Trustees Absent: Matt Gause

3. Public Comment (New Business)

This is an opportunity for members of the public to directly address the Board on subject matter not on the agenda within the jurisdiction of the Board.

There was no public comment.

4. Agenda Approval (Action)

Trustee Harris moved to approve the agenda.

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Cook, Harris, Baldwin, Young

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

5. Consent Items

a. Approval of Meeting Minutes May 2nd, 2024 (Action)

Enclosure 1: Agenda Item 5.a.1 – Meeting Minutes

Trustee Harris moved to approve the consent items.

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Cook, Harris, Baldwin, Young

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

6. Board Items (Action item unless otherwise noted)

a. Mandatory Trainings Status Update (Informational)

Secretary Beltran provided a report back on Trustees' completion of mandatory training and receipt of associated certificates.

b. LWA Contract Amendment for FY 2023-24 (Action)

Enclosure 2: LWA Contract Amendment for FY 2023-24

Trustee Harris moved to approve LWA Contract Amendment for FY 2023-24

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Cook, Harris, Baldwin, Young
NOES: (none)
ABSTAIN: (none)
RECUSE: (none)

c. LWA Contract Amendment for FY 2024-25 (Action)

Enclosure 3: LWA Contract Amendments for FY 2024-25

Trustee Cook moved to approve LWA Contract Amendment for FY 2024-25

Trustee Harris seconded and it passed by unanimous vote of Trustees present.

AYES: Cook, Harris, Baldwin, Young
NOES: (none)
ABSTAIN: (none)
RECUSE: (none)

d. RD 536 Letter regarding abandoned pipe penetration (Informational)

District discussed letter received from RD 536 regarding abandoned pipe penetration that runs through RD 536 levee. District staff is currently investigating and expects to provide an assessment and recommended action during the next Board Meeting.

7. Operations and Maintenance Update

- a. Update from MBK Engineers / Levee Erosion Repair (Informational)
Emergency Repair work has been completed and final invoices are being processed for payment.

- b. Ongoing Maintenance Items (Informational)
Subventions 2024-25 FY funding update. DWR has

informed the CVFPB that there is funding for a \$14 million program. An action item at the June CVFPB meeting is expected to authorize the 2024-25 Program and funding.

Potential additional O&M repair to include a levee setback is recommended based on continued movement of the waterside levee slope. Shannon Wilson scheduled to go on site to sample stockpile materials. MBK will provide updates and estimates following the visit.

FEMA CAT D documentation, invoices and permitting details have been submitted to FEMA. Waiting on follow-up questions to support their review of work. No new information from CAL OES on funds from project obligations.

8. Financial Management

a. Invoicing, Financial Updates (Informational)

Enclosure 4: Agenda Item 8.a –Financial Manager’s Report

Financial Manager Gujral provided a financial update on current revenues, expenses and cash position. District is getting ready to process payments for year-end invoices in June.

b. Draft Fiscal Year 2024-25 Budget for Adoption (Action)

Enclosure 5: Agenda Item 8.b – Draft Fiscal Year 2024-25 Budget for Adoption

Financial Manager Gujral presented an updated draft budget for Fiscal Year 2024-25.

Trustee Harris moved to approve the draft budget for adoption.

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Cook, Harris, Baldwin, Young

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

9. Little Egbert Project Update

Executive Director Nagy to attend CVFPB Board Workshop Field Tour on June 14th. Tour to cover Lookout Slough, Mellin Levee and Little Egbert Project sites.

10. Other Reports (Informational Only)

a. Trustee Report(s)

Trustee Harris reported that he is scheduled to meet with Jay Zeigler (Delta Watermaster) and potentially schedule a tour of the Little Egbert Tract.

b. General Manager's Report

The status of the Peters Pocket Feasibility study was recently presented to the YBCS Partnership Project Work Group. We recently received the RMA modeling report for this same project. The LSDN RFMP region is helping evaluate the model report to support local agencies review (MBK).

c. Counsel Report (if needed)

None.

11. Adjourn

- a. The next regular Board Meeting is set for August 7th, 2024 at 9:00am.

Trustee Harris moved to adjourn the meeting.

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Harris, Cook, Baldwin, Young

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

Meeting was adjourned at 10:10 am. The next regular Board Meeting is set for August 7th, 2024, at 9:00 am.

- Any documents related to agenda items that are made available to the Board before the meeting will be available for review by the public by contacting info@rd2084.org.
- If you need reasonable accommodation due to a disability, please contact info@rd2084.org at least 48 hours in advance of the meeting. This contact information may also be used for any questions you may have.
- Public comments are generally limited to three (3) minutes but may be more or less at the discretion of the Board.

The Board may consider the agenda items listed above in a different order at the meeting, pursuant to the determination of the Board Chair. All items appearing on this agenda, whether or not listed expressly for action, may be deliberated upon and subject to action at the discretion of the Board.

ENCLOSURE 2

AGENDA ITEM 7.a



Water Resources ♦ Flood Control ♦ Water Rights

MEMORANDUM

August 1, 2024

TO: Reclamation District No. 2084
FROM: MBK Engineers
SUBJECT: August Engineer's Report

Trustees:

Described below are the items constituting the engineer's report to be discussed at your scheduled August 2024 meeting.

Subventions 2024-25: We are now in the 2024-25 Program year. There is a \$14 Million Program. Your agreement will be provided by DWR within the next several months, anticipated coverage will be for \$322,000. Potential for reimbursement will be based on eligibility under maintenance, HMP or lower priority Bulletin 192-82 work. Setback levees and seepage berms can shift to lower priorities; \$14 million program will provide us confidence that funding for these projects will be available to the District.

Subventions 2023-24: We will work with District GM on compiling eligible subventions items for the annual claim submittal. Claims must be submitted prior to November 1. Tina Anderson and Nichole Leonard are the primary contacts for claim development and coordination.

Summer-Fall 2024 Activities

- 1) Seepage monitoring: Estimated costs provided to determine if seepage control project, or monitoring will continue. Preliminary estimates, using available stockpiles and import material to construct seepage berms at two locations. Preliminary cost estimates for the two projects are \$180,000 combined.
- 2) Erosion monitoring: 100 tons of rock are stockpiled, ready to deploy immediately if the embankment continues to fail under emergency conditions. Site monitoring continues as we evaluate movement at the emergency repair site. Continued movement is occurring; potential setback repair would require approximately 5,000 CY of material of on-site borrow or 7,500 tons of imported fill. This project cost would vary dramatically depending on source material. Setback would allow for flattening the upper waterside slope.
- 3) Animal control: continue to patrol for rodent/beaver activity, sinkholes, voids, and embankment movement. Beaver activity is present at our emergency repair site. Additional excavation will be required to mitigate possible embankment damage
- 4) Roadway: Roadway conditions should be monitored and graded prior to flood season if there is significant rutting.

Erosion Slip Repair Considerations

The District has successfully performed the bulk of the emergency repair. The project is still active due to movement at the site due to the large amount of material placed to suppress past uncontrolled and rapid waterside slope failure. Prior to the flood season the district should consider re-grading the upper slope material, resetting existing rock to protect any vertical exposed slopes.

The setback design should include a degrade on the waterside upper slope to a 2:1 slope with a 5-foot offset at mean tide levee or higher. Landside slope should extend at a 4:1. The levee crown road width should accommodate

a 20-foot gravel roadway. This repair would require approximately 5,000 CY of local borrow or 7,500 Tons of imported fill.

Seepage Berm Design Considerations

The two seepage areas, where active seepage occurs during the flood season, as well as during peak tidal cycles, should be considered a priority of the District. The two primary areas of concern are between station 215+00 and 220+00 and 275+00 and 280+00. The berm design is a 40-foot berm that catches the existing levee at 5.0' elevation on the landside slope, and is 2-feet thick 40-feet from the landside toe. This berm design will extend the seepage path and minimize the potential failure mode that currently exists at these sites if seepage were to continue uncontrolled or lead to a boil or embankment failure. The combined volume to construct requires 8,400 CY of borrow material. Available nearby stockpiles have roughly 7,000 CY of material available. The potential cost to repair the sites could be close to \$200,000 or higher if imported material is required.

Thanks

A handwritten signature in black ink, appearing to read "M. J. Zentgraf". The signature is written in a cursive style with a vertical line extending downwards from the end.

ENCLOSURE 3

AGENDA ITEM 7.c

Reclamation District No. 2084 - Little Egbert Tract
Preliminary Quantity/Cost Estimates
Seepage Berm and Setback Levee Engineered Fill Quantity Estimates
7/19/2024

Stations 215+00 to 221+00 Toe Berm				
Station	Area (sf)	Length (ft)	Import Quantity (CY)	Cost (\$)
215+00	135	50	400	\$8,000
216+00	156	100	800	\$16,000
217+00	185	100	1000	\$20,000
218+00	168	100	900	\$18,000
219+00	125	100	700	\$14,000
220+00	96	100	500	\$10,000
221+00	198	50	500	\$10,000
Subtotal		600	4,800	\$96,000
Stations 254+00 to 260+00 Setback				
Station	Area (sf)	Length (ft)	Import Quantity (CY)	Cost (\$)
254+00	141	50	400	\$8,000.00
255+00	124	100	700	\$14,000.00
256+00	156	100	800	\$16,000.00
257+00	114	100	600	\$12,000.00
258+00	186	100	1000	\$20,000.00
259+00	182	100	1000	\$20,000.00
260+00	173	50	500	\$10,000.00
Subtotal		600	5,000	\$100,000.00
Stations 275+00 to 280+00 Toe Berm				
Station	Area (sf)	Length (ft)	Import Quantity (CY)	Cost (\$)
275+00	117	50	300	\$6,000.00
276+00	158	100	800	\$16,000.00
277+00	184	100	1000	\$20,000.00
278+00	109	100	600	\$12,000.00
279+00	95	100	500	\$10,000.00
280+00	143	50	400	\$8,000.00
Subtotal		500	3,600	\$72,000
Total		1,700	13,400	\$268,000.00

July 29, 2023

Mr. Michael Moncrief
MBK Engineers
455 University Ave. #100
Sacramento, California 95825

RE: GEOTECHNICAL ENGINEERING SERVICES FOR STOCKPILE EVALUATION,
RECLAMATION DISTRICT 2084, SOLANO COUNTY, CALIFORNIA

Dear Mr. Moncrief:

INTRODUCTION

This letter presents a summary of our field observations, laboratory test results, and evaluation of the stockpile material at the Gomes site. The location of the site is presented on Figure 1. The approximate locations of the test pits are presented on Figure 2.

Our scope of services was outlined in our proposal dated June 19, 2024. Our scope of services consisted of conducting a geotechnical investigation that included logging test pits, performing laboratory testing, and developing conclusions for the suitability of the stockpile material as levee fill. The results of our geotechnical investigation are presented in this letter.

FIELD EXPLORATION, AND LABORATORY TESTING

We explored subsurface conditions on June 19, 2024 by excavating 6 test pits to approximate depths of 6 feet into the stockpiles. An excavator provided by the landowner was used to excavate the test pits. Our engineer logged the test pits and collected samples from the test pits for further visual classification and for selection of materials for laboratory testing. The locations of the test pits are presented on Figures 2 and summarized in Table 1.

Descriptions of the materials encountered in the test pits are presented in Table 2.

Laboratory tests were performed on selected samples from the test pits. The laboratory testing program consisted of compaction testing, Atterberg Limits, and sieve analysis. The laboratory test results are presented in Table 2 and on Figures 3 through 5.

SITE CONDITIONS

Surface Conditions

The footprint of the main stockpile is approximately rectangular, approximately 200 feet long and 150 feet wide. It is around 6 feet high. Test pits 1 through 4 were sampled in the main stockpile, as shown on Figure 2.

The two eastern stockpiles are approximately conical with diameters of 40 feet and heights of 12 feet. These stockpiles are covered in grass. Test pits 5 and 6 were each sampled in one of the two eastern stockpiles, as shown on Figure 2.

Subsurface Conditions

Four test pits were performed in the main stockpile. The material from these test pits was brown, dry, stiff to hard, clayey sand. The material had little fine to coarse gravel up to 4.5 inches in maximum dimension. The material also had trace roots. Trace construction debris was present, examples of this debris are 12 inch lengths of one inch diameter plastic pipe, four inch diameter pieces of asphalt and four inch diameter pieces of concrete.

Two test pits were performed in the eastern stockpiles. The material from these test pits was brown, dry, hard, clayey sand. The material had little fine to coarse gravel up to 2 inches in maximum dimension. The material also had trace roots.

Groundwater was not encountered in any of the test pits.

CONCLUSIONS AND RECOMMENDATIONS

Fill used for United States Corps of Engineers (USACE) project levees is required to meet the requirements of the USACE and Central Valley Flood Protection Board (CVFPB). The USACE typically specifies that levee material should have a liquid limit less than 45, plasticity index between 8 and 40, at least 20 percent fines (material passing the No. 200 sieve), and no material greater than 2 inches in diameter (USACE, 2019). The CVFPB typically requires that levee material should have a liquid limit less than 50, a plasticity index greater than 8, at least 20 percent fines, and no material greater than 3 inches in diameter (CVFPB, 2014).

The tested stockpile soils will meet USACE and CVFPB requirements, provided that construction debris and fragments greater than 2 inches are removed.

We recommend that construction debris and fragments larger than 2 inches be removed during fill placement. The stockpiled soils may be used to construct levees, undrained seepage berms and habitat berms for nearby levee projects.

It was a pleasure working with you on this project and we look forward to working with you during construction. If you have any questions, please call.

Sincerely,

SHANNON & WILSON



Philip Wallbridge, PE
Senior Engineer



Greg Olsen, PE, GE
Senior Engineer

PJW:GRO:RKT

- Enc. References
 - Table 1 – Locations of Test Pits
 - Table 2 – Logs of Test Pits
 - Figure 1 – Vicinity Map
 - Figure 2 – Site Map
 - Figure 3 – Grain Size Distribution Test Results
 - Figure 4 – Atterberg Limits Test Results
 - Figure 5 – Compaction Test Results

Important Information About Your Geotechnical Report

REFERENCES

CVFPB, 2014, California Code of Regulations, Title 23 Waters, Div 1 Central Valley Flood Protection Board, July 2014.

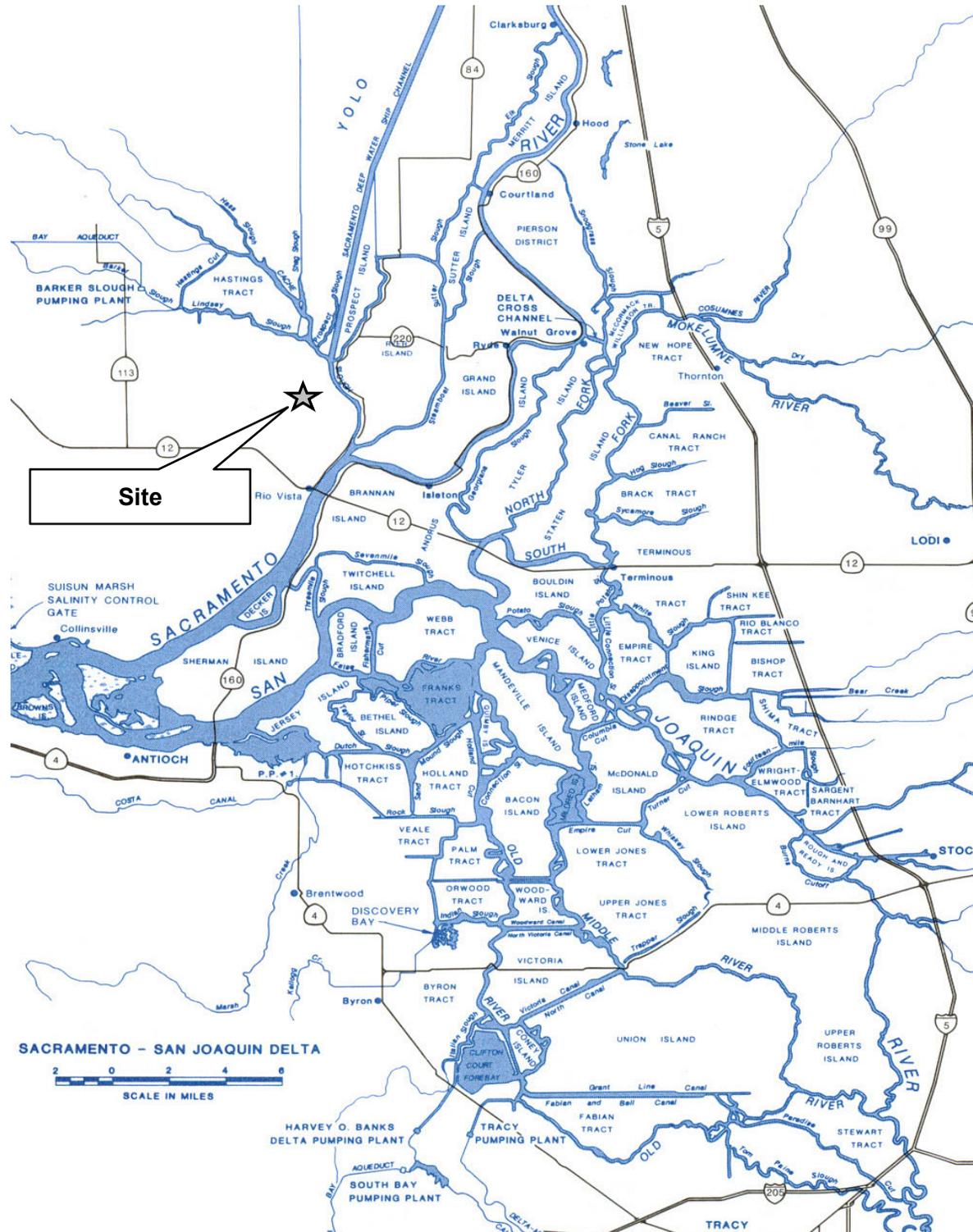
USACE, 2019, SOP-3 Geotechnical Levee Practice, US Army Corps of Engineers, Sacramento District, Geotechnical Engineering Branch, CESP-K-EDG SOP3, 27 September 2019

Table 1: Locations of Test Pits

PIT #	DATE	LATITUDE	LONGITUDE	ELEVATION	LOCATION NOTES
1	6/19/2024	38.207356	-121.697347	11	North side of main stockpile
2	6/19/2024	38.207159	-121.697057	11	East side of main stockpile
3	6/19/2024	38.206915	-121.697052	11	South side of main stockpile
4	6/19/2024	38.206996	-121.697299	11	West side of main stockpile
5	6/19/2024	38.207668	-121.695677	10	Eastern stockpile
6	6/19/2024	38.207714	-121.695292	10	Easternmost stockpile

Table 2: Logs of Test Pits

PIT #	DEPTH (FT)	MATERIALS DESCRIPTION	LAB RESULTS
1	0 - 6	CLAYEY SAND (SC), light brown, dry, stiff, low to medium plasticity fines, little fine to coarse gravel, gravel up to 4.5 inches, trace roots, trace construction debris. (Fill).	At depth = 2.0 ft: Fines Content = 49% Liquid Limit = 33 Plastic Limit = 18 Plasticity Index = 15
2	0 - 6	CLAYEY SAND (SC), brown, hard, dry, stiff, low to medium plasticity fines, little fine to coarse gravel, gravel up to 3 inches, trace roots, trace construction debris. (Fill).	At depth = 2.0 ft: Max Dry Density = 120 pcf Pocket Pen = +4.5 tsf
3	0 - 6	CLAYEY SAND with GRAVEL (SC), light brown, hard, dry, stiff, low to medium plasticity fines, little fine to coarse gravel, gravel up to 4.5 inches, trace roots, trace construction debris. (Fill).	At depth = 2.0 ft: Fines Content = 46% Liquid Limit = 33 Plastic Limit = 16 Plasticity Index = 17 Pocket Pen = +4.5 tsf
4	0 - 6	CLAYEY SAND with GRAVEL (SC), light brown, hard, dry, stiff, low to medium plasticity fines, trace cobbles, little fine to coarse gravel, gravel up to 3 inches, trace roots, trace construction debris. (Fill).	At depth = 2.0 ft: Max Dry Density = 120 pcf Pocket Pen = +4.5 tsf
5	0 - 6	CLAYEY SAND with GRAVEL (SC), brown, hard, dry, stiff, low to medium plasticity fines, little fine gravel, gravel up to 2 inches, trace roots. (Fill).	At depth = 2.0 ft: Fines Content = 41% Liquid Limit = 32 Plastic Limit = 16 Plasticity Index = 16 Pocket Pen = +4.5 tsf
6	0 - 6	CLAYEY SAND with GRAVEL (SC), brown, hard, dry, stiff, low to medium plasticity fines, little fine gravel, gravel up to 2 inches, trace roots. (Fill).	At depth = 2.0 ft: Fines Content = 42% Liquid Limit = 31 Plastic Limit = 17 Plasticity Index = 14 Pocket Pen = +4.5 tsf

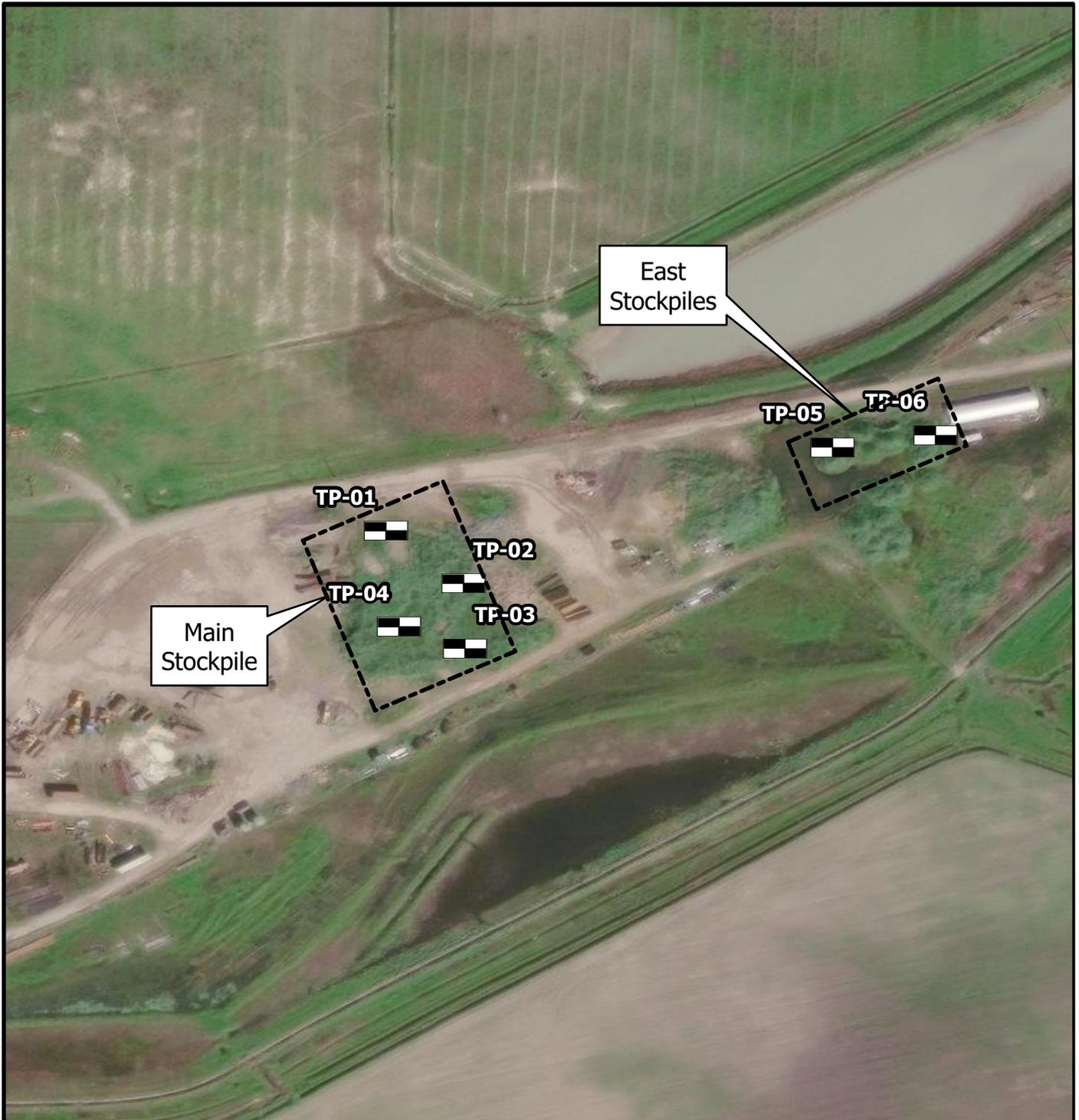


SACRAMENTO - SAN JOAQUIN DELTA
 SCALE IN MILES
 0 2 4 6

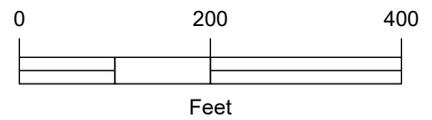
NOTES

Source: Sacramento-San Joaquin Delta Atlas by Department of Water Resources

Stockpile Evaluation RD 2084 Levee Seepage Solano County, California	
VICINITY MAP	
July 2024	112030
SHANNON & WILSON, INC. Geotechnical and Environmental Consultants	FIG. 1



Yolo County, Maxar, Microsoft



LEGEND
 Test Pits



Stockpile Investigation
 RD2028 Levee Seepage
 Solano County, California

SITE MAP

July 2024

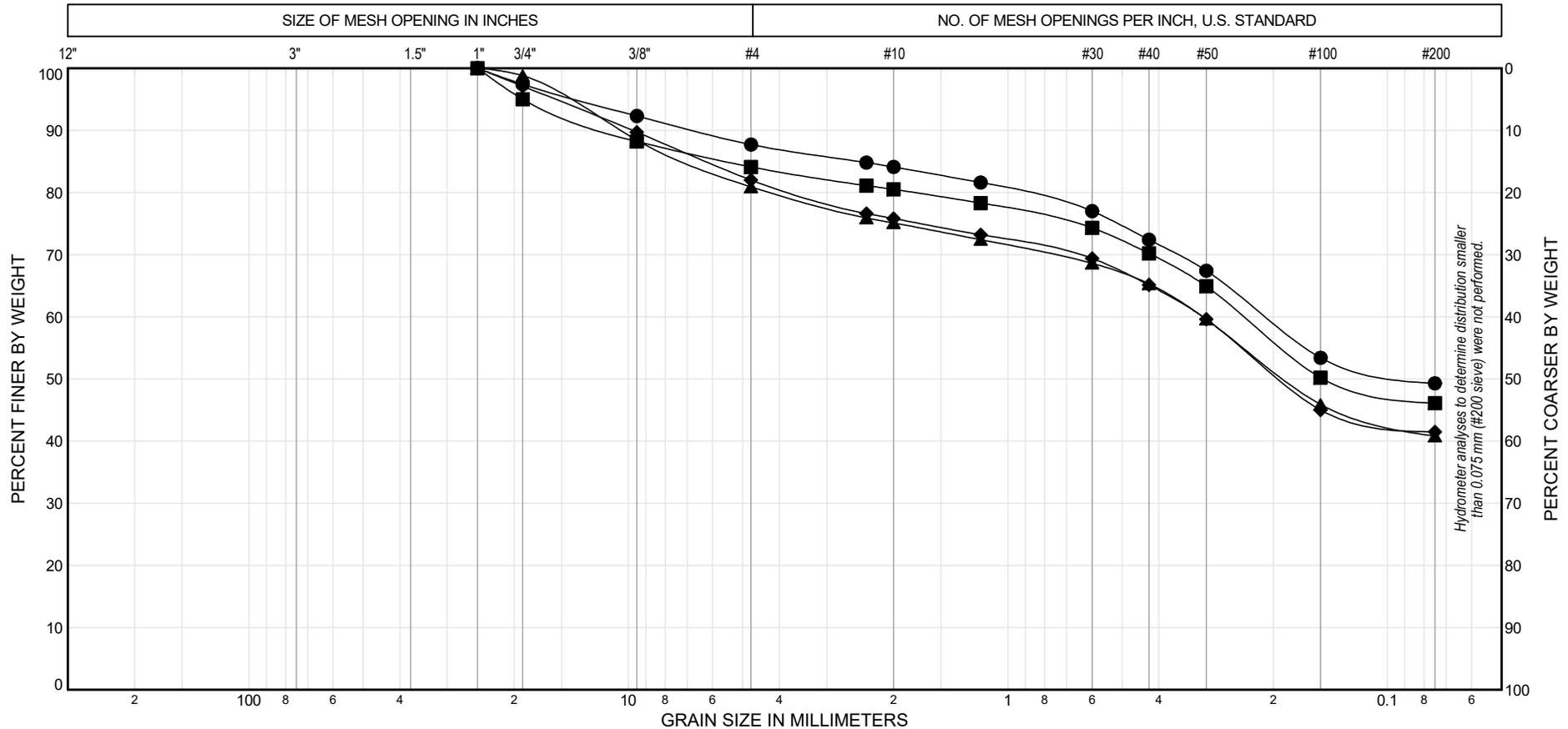
112030

SHANNON & WILSON, INC.
 GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

Figure 2

Seepage Areas on Cache Slough Levee
RD 2084

FIG. 3
Page 1 of 1



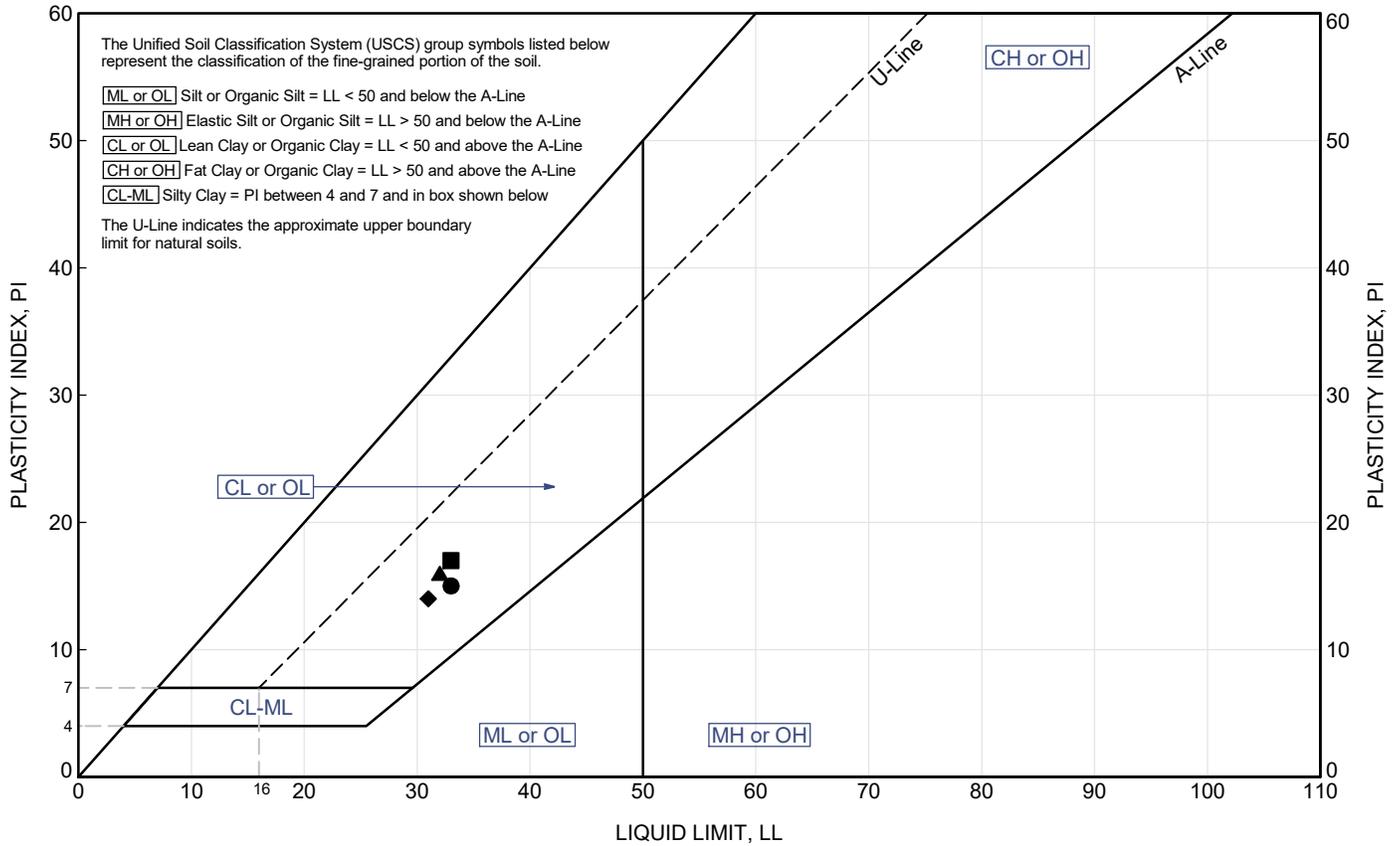
COBBLES	COARSE	FINE	COARSE	MEDIUM	FINE
	GRAVEL		SAND		

EXPLORATION AND SAMPLE NUMBER	DEPTH (feet)	UNIFIED SOIL CLASSIFICATION SYSTEM (USCS) GROUP NAME	USCS SYMBOL	GRAVEL %	SAND %	FINES %	NAT WC %	TEST BY/RVW	TEST STD	TEST NOTE
● TP-01, TP-01	2.0	CLAYEY SAND	SC	12	38	49		HST HST	D6913	
■ TP-03, TP-03	2.0	CLAYEY SAND with GRAVEL	SC	16	38	46		HST HST	D6913	
▲ TP-05, TP-05	2.0	CLAYEY SAND with GRAVEL	SC	19	40	41		HST HST	D6913	
◆ TP-06, TP-06	2.0	CLAYEY SAND with GRAVEL	SC	18	41	42		HST HST	D6913	

* Sample was assumed to be nonplastic based on visual-manual examination procedures. Therefore, the USCS Group Name is estimated based on the grain size distribution only.
ABBREVIATIONS: NAT WC = natural moisture content; RVW = reviewed by; STD = Standard; USCS = Unified Soil Classification System coder; ~ = approximately (used when measured but not greater than 0.5%)

Seepage Areas on Cache Slough Levee
RD 2084

FIG. 4
Page 1 of 1



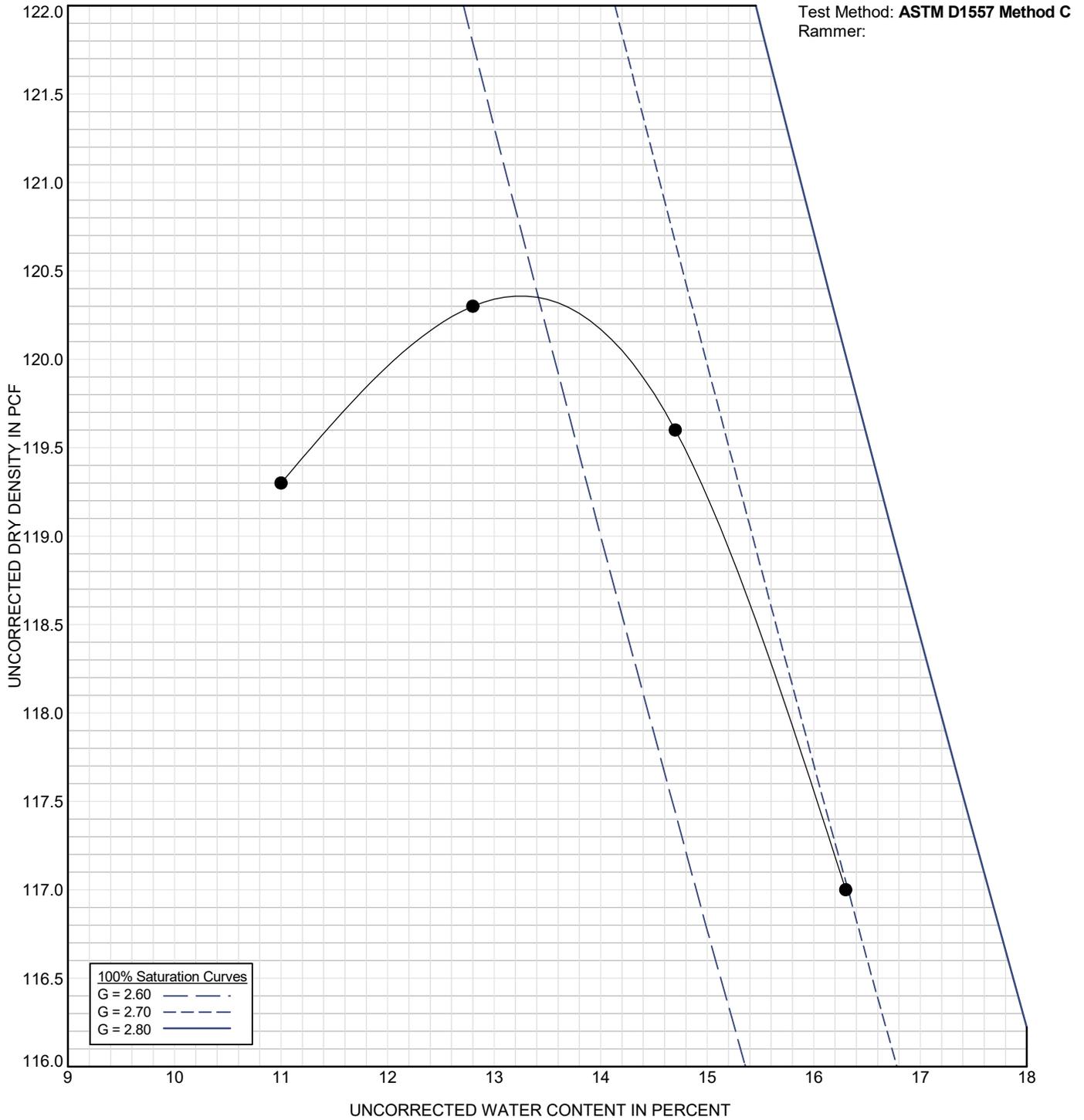
EXPLORATION AND SAMPLE NUMBER	DEPTH (feet)	UNIFIED SOIL CLASSIFICATION SYSTEM (USCS) GROUP NAME	USCS SYMBOL	LL	PL	PI	FINES (%)	NAT MC %	TEST BY/RVW	TEST STD	TEST NOTE
● TP-01, TP-01	2.0	CLAYEY SAND	SC	33	18	15	49		HST HST	D4318	
■ TP-03, TP-03	2.0	CLAYEY SAND with GRAVEL	SC	33	16	17	46		HST HST	D4318	
▲ TP-05, TP-05	2.0	CLAYEY SAND with GRAVEL	SC	32	16	16	41		HST HST	D4318	
◆ TP-06, TP-06	2.0	CLAYEY SAND with GRAVEL	SC	31	17	14	42		HST HST	D4318	

* Sample was assumed to have less than 15% sand/gravel based on visual-manual examination procedures. Therefore, the USCS Group Name is estimated based on the Atterberg Limits only. ABBREVIATIONS: LL = liquid limit; NAT MC = natural moisture content; n/a = test attempted; NP = nonplastic; PI = plasticity index; PL = plastic limit; STD = standard; RVW = reviewed by; USCS = Unified Soil Classification System symbol

Job#: 112030 | Template Ver: 1 | File: 112030_RD2084_SEEPAGE.GPJ | Library: SW_GINT_LIBRARY.GLB | Date: 7/11/24

Seepage Areas on Cache Slough Levee
RD 2084

FIG. 5



SAMPLE INFORMATION

Sample Identification:	TP-02 & TP-04
Date Sample Obtained:	6-19-2024
Sample Depth/Elevation:	2 feet / ~6 feet
Sample USCS Description Before Test Preparation:	CLAYEY SAND with GRAVEL (SC)

TEST RESULTS

	UNCORRECTED FOR OVERSIZE MATERIAL	CORRECTED FOR OVERSIZE MATERIAL
Natural Water Content:	%	
Maximum Dry Density:	120 pcf	
Optimum Water Content:	13.2 %	

ABBREVIATIONS:
G = Specific Gravity; n/a = test attempted; USCS = Unified Soil Classification System (ASTM D2487)

Job#: 112030 | Template Ver: 1 | File: 112030_RD2084_SEEPAGE.GPJ | Library: SW_GINT_LIBRARY.GLB | Date: 7/11/24

Important Information

About Your Geotechnical Investigation Report

IMPORTANT INFORMATION

CONSULTING SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.

Consultants prepare reports to meet the specific needs of specific individuals. A report prepared for a civil engineer may not be adequate for a construction contractor or even another civil engineer. Unless indicated otherwise, your consultant prepared your report expressly for you and expressly for the purposes you indicated. No one other than you should apply this report for its intended purpose without first conferring with the consultant. No party should apply this report for any purpose other than that originally contemplated without first conferring with the consultant.

THE CONSULTANT'S REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.

A geotechnical/environmental report is based on a subsurface exploration plan designed to consider a unique set of project-specific factors. Depending on the project, these may include the general nature of the structure and property involved; its size and configuration; its historical use and practice; the location of the structure on the site and its orientation; other improvements such as access roads, parking lots, and underground utilities; and the additional risk created by scope-of-service limitations imposed by the client. To help avoid costly problems, ask the consultant to evaluate how any factors that change subsequent to the date of the report may affect the recommendations. Unless your consultant indicates otherwise, your report should not be used (1) when the nature of the proposed project is changed (for example, if an office building will be erected instead of a parking garage, or if a refrigerated warehouse will be built instead of an unrefrigerated one, or chemicals are discovered on or near the site); (2) when the size, elevation, or configuration of the proposed project is altered; (3) when the location or orientation of the proposed project is modified; (4) when there is a change of ownership; or (5) for application to an adjacent site. Consultants cannot accept responsibility for problems that may occur if they are not consulted after factors that were considered in the development of the report have changed.

SUBSURFACE CONDITIONS CAN CHANGE.

Subsurface conditions may be affected as a result of natural processes or human activity. Because a geotechnical/environmental report is based on conditions that existed at the time of subsurface exploration, construction decisions should not be based on a report whose adequacy may have been affected by time. Ask the consultant to advise if additional tests are desirable before construction starts; for example, groundwater conditions commonly vary seasonally.

Construction operations at or adjacent to the site and natural events such as floods, earthquakes, or groundwater fluctuations may also affect subsurface conditions and, thus, the continuing adequacy of a geotechnical/environmental report. The consultant should be kept apprised of any such events and should be consulted to determine if additional tests are necessary.

MOST RECOMMENDATIONS ARE PROFESSIONAL JUDGMENTS.

Site exploration and testing identifies actual surface and subsurface conditions only at those points where samples are taken. The data were extrapolated by your consultant, who then applied judgment to render an opinion about overall subsurface conditions. The actual interface between materials may be far more gradual or abrupt than your report indicates. Actual conditions in areas not sampled may differ from those predicted in your report. While nothing can be done to prevent

such situations, you and your consultant can work together to help reduce their impacts. Retaining your consultant to observe subsurface construction operations can be particularly beneficial in this respect.

A REPORT'S CONCLUSIONS ARE PRELIMINARY.

The conclusions contained in your consultant's report are preliminary, because they must be based on the assumption that conditions revealed through selective exploratory sampling are indicative of actual conditions throughout a site. Actual subsurface conditions can be discerned only during earthwork; therefore, you should retain your consultant to observe actual conditions and to provide conclusions. Only the consultant who prepared the report is fully familiar with the background information needed to determine whether or not the report's recommendations based on those conclusions are valid and whether or not the contractor is abiding by applicable recommendations. The consultant who developed your report cannot assume responsibility or liability for the adequacy of the report's recommendations if another party is retained to observe construction.

THE CONSULTANT'S REPORT IS SUBJECT TO MISINTERPRETATION.

Costly problems can occur when other design professionals develop their plans based on misinterpretation of a geotechnical/environmental report. To help avoid these problems, the consultant should be retained to work with other project design professionals to explain relevant geotechnical, geological, hydrogeological, and environmental findings, and to review the adequacy of their plans and specifications relative to these issues.

BORING LOGS AND/OR MONITORING WELL DATA SHOULD NOT BE SEPARATED FROM THE REPORT.

Final boring logs developed by the consultant are based upon interpretation of field logs (assembled by site personnel), field test results, and laboratory and/or office evaluation of field samples and data. Only final boring logs and data are customarily included in geotechnical/environmental reports. These final logs should not, under any circumstances, be redrawn for inclusion in architectural or other design drawings, because drafters may commit errors or omissions in the transfer process.

To reduce the likelihood of boring log or monitoring well misinterpretation, contractors should be given ready access to the complete geotechnical engineering/environmental report prepared or authorized for their use. If access is provided only to the report prepared for you, you should advise contractors of the report's limitations, assuming that a contractor was not one of the specific persons for whom the report was prepared, and that developing construction cost estimates was not one of the specific purposes for which it was prepared. While a contractor may gain important knowledge from a report prepared for another party, the contractor should discuss the report with your consultant and perform the additional or alternative work believed necessary to obtain the data specifically appropriate for construction cost estimating purposes. Some clients hold the mistaken impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing the best available information to contractors helps prevent costly construction problems and the adversarial attitudes that aggravate them to a disproportionate scale.

READ RESPONSIBILITY CLAUSES CLOSELY.

Because geotechnical/environmental engineering is based extensively on judgment and opinion, it is far less exact than other design disciplines. This situation has resulted in wholly unwarranted claims being lodged against consultants. To help prevent this problem, consultants have developed a number of clauses for use in their contracts, reports, and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where the consultant's responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

The preceding paragraphs are based on information provided by the GBA, Silver Spring, Maryland

ENCLOSURE 4

AGENDA ITEM 8.a



FINANCIAL MANAGER'S REPORT

Reclamation District 2084 Board of Directors

As on June 30, 2024

Previously Paid Invoices	Currently Paid Invoices	Total Invoiced
\$426,748.64	\$196,811.81	\$623,560.45

Current Budget	Total Invoiced	Budget Balance
\$775,849.64	\$623,560.45	\$152,289.19

Funds Received To-Date	Total Invoiced	Funds (Cash) Balance
\$701,775.99	\$623,560.45	\$78,215.54

Action Item

Informational Only.

Funds / Cash	Vendor	Invoice #	Date	Amount
1	Westervelt	2024-007	05/22/2024	\$70,062.99
2	DWR Subventions	N/A	05/31/2024	\$60,088.00

Expenses	Vendor	Invoice #	Month of Service	Amount
1	GSRMA	INV-003472	FY 24-25	\$6,394.00
2	PG&E	5/30/2024	May-24	\$4,966.25
3	Asta	6242	May-24	\$5,658.81
4	Asta	6189	Mar-24	\$63,832.42
5	Asta	6190	Mar-24	\$23,081.64
6	Downey Brand	600261	Apr-24	\$110.00
7	Downey Brand	599089	Mar-24	\$175.00
8	LWA	1912000-0524	May-24	\$11,985.25
9	LWA	1912000-0424	Apr-24	\$13,684.50
10	LWA	1912000-0324	Mar-24	\$15,584.50
11	LWA	1912000-0224	Feb-24	\$10,843.85
12	MBK	14496	May-24	\$7,732.62
13	MBK	14134	Apr-24	\$7,745.67
14	MBK	14060	Mar-24	\$21,965.04
15	Richard Harris	May '24 LEJPA Stipend	May-24	\$1,500.00
16	Richard Harris	Jan - Jun '24 Reimbursement	Jan - June 2024	\$1,552.26

Notes

District Invoices # 1-16 represent total amount between May 31 and June 30, 2024 of \$196,811.81. In addition, the District made a loan contribution to LEJPA in the amount of \$95,000.

RD 2084 BUDGET & ACTUALS

Fiscal Year (FY) 2023-2024 (July 1st - June 30th)
Cash Basis; as on June 30, 2024

PRELIMINARY

Cash Inflow		Total Budget	Previous Period	Current Period	Total Actuals YTD	Remaining Budget (-) Inflow more than budgeted (+) Inflow less than budgeted
100100	Balance in Account (Carryover from 22/23)	\$ 31,439.00	\$ 31,439.00	\$ -	\$ 31,439.00	\$ -
100101A	Assessment to Landowner (for District)	\$ 577,464.64	\$ 475,000.00	\$ 70,062.99	\$ 545,062.99	\$ 32,401.65
100102	Five-Year Plan Funding	\$ (11,641.00)	\$ (11,641.00)	\$ -	\$ (11,641.00)	\$ -
100103	Levee Subventions Program ¹	\$ 76,827.00	\$ 76,827.00	\$ 60,088.00	\$ 136,915.00	\$ (60,088.00)
100104	FEMA Emergency Funds	\$ 101,760.00	\$ -	\$ -	\$ -	\$ 101,760.00
TOTAL		\$ 775,849.64	\$ 571,625.00	\$ 130,150.99	\$ 701,775.99	\$ 74,073.65
Cash Outflow						
GO&A EXPENSES (Fund 100)						
Personnel:		Total Budget	Previous Period	Current Period	Total Actuals YTD	Remaining Budget (-) Outflow more than budgeted (+) Outflow less than budgeted
100203	LEJPA Special Representative	\$ 18,000.00	\$ 16,500.00	\$ 1,500.00	\$ 18,000.00	\$ -
100204	Board Member Compensation	\$ 9,600.00	\$ 2,697.96	\$ 1,552.26	\$ 4,250.22	\$ 5,349.78
Subtotal Personnel		\$ 27,600.00	\$ 19,197.96	\$ 3,052.26	\$ 22,250.22	\$ 5,349.78
Administrative Contract Services:						
100301	Administrative Support ²	\$ 132,266.48	\$ 78,224.06	\$ 52,098.10	\$ 130,322.16	\$ 1,944.32
100302	Legal Support	\$ 2,098.75	\$ 3,552.78	\$ 285.00	\$ 3,837.78	\$ (1,739.03)
100303b	Engineering Support - Subventions	\$ 75,000.00	\$ 100,143.26	\$ 37,443.33	\$ 137,586.59	\$ (62,586.59)
100304	Accounting	\$ 10,000.00	\$ 900.00	\$ -	\$ 900.00	\$ 9,100.00
Subtotal Administrative Contract Services		\$ 219,365.23	\$ 182,820.10	\$ 89,826.43	\$ 272,646.53	\$ (53,281.30)
Services and Supplies (Excluding Consultant Expenses):						
100502	PO Box Renewal	\$ 244.00	\$ 244.00	\$ -	\$ 244.00	\$ -
100505	Website & Hosting	\$ 360.00	\$ 360.00	\$ -	\$ 360.00	\$ -
100508c	CCVFC - Dues	\$ 1,316.00	\$ 1,251.00	\$ -	\$ 1,251.00	\$ 65.00
100510	Liability Insurance	\$ 11,500.00	\$ -	\$ 6,394.00	\$ 6,394.00	\$ 5,106.00
100512	Bank Service Charges	\$ 5.00	\$ -	\$ -	\$ -	\$ 5.00
100513	CA SWRCB Annual Fee	\$ 400.00	\$ 399.00	\$ -	\$ 399.00	\$ 1.00
Subtotal Services / Supplies		\$ 13,825.00	\$ 2,254.00	\$ 6,394.00	\$ 8,648.00	\$ 5,177.00
TOTAL GO&A EXPENSES (Fund 100):		\$ 260,790.23	\$ 204,272.06	\$ 99,272.69	\$ 303,544.75	\$ (42,754.52)
O&M EXPENSES (Fund 200):						
200200	Levee Slope/Bench Mowing	\$ 2,500.00	\$ -	\$ -	\$ -	\$ 2,500.00
200201	Rodent Control	\$ 5,000.00	\$ 2,402.74	\$ -	\$ 2,402.74	\$ 2,597.26
200202	Levee Top & Access Road Maintenance	\$ 25,000.00	\$ -	\$ 23,081.64	\$ 23,081.64	\$ 1,918.36
200203	Drainage Channel Clearing	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
200204	Pump Station O&M	\$ 4,200.00	\$ -	\$ -	\$ -	\$ 4,200.00
200205	Electrical Power	\$ 45,000.00	\$ 47,292.32	\$ 4,966.25	\$ 52,258.57	\$ (7,258.57)
200208	Misc. O&M	\$ 2,000.00	\$ -	\$ -	\$ -	\$ 2,000.00
200209	Brush Removal/Herbicide	\$ 25,000.00	\$ 20,500.00	\$ -	\$ 20,500.00	\$ 4,500.00
200210	Emergency Monitoring/Gaging and Response	\$ 2,500.00	\$ -	\$ -	\$ -	\$ 2,500.00
200212	Waterside Slope Maintenance ³	\$ 225,000.00	\$ 27,782.25	\$ 69,491.23	\$ 97,273.48	\$ 127,726.52
200213	WSM - Design & Permitting	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00
200215	Seepage Repair	\$ 30,000.00	\$ 29,709.47	\$ -	\$ 29,709.47	\$ 290.53
TOTAL O&M EXPENSES (Fund 200):		\$ 396,200.00	\$ 127,686.78	\$ 97,539.12	\$ 225,225.90	\$ 170,974.10
EMERGENCY RESPONSE EXPENSES (Fund 400):						
400204	Pump Station O&M	\$ 30,000.00	\$ 27,841.39	\$ -	\$ 27,841.39	\$ 2,158.61
400205	Electrical Power	\$ 21,911.00	\$ -	\$ -	\$ -	\$ 21,911.00
400210	Emergency Monitoring/Gaging and Response ³	\$ 66,948.41	\$ 66,948.41	\$ -	\$ 66,948.41	\$ -
TOTAL EMERGENCY RESPONSE EXPENSES (Funds 400):		\$ 118,859.41	\$ 94,789.80	\$ -	\$ 94,789.80	\$ 24,069.61
TOTAL AGENCY EXPENSES (Funds 100 200 and 400):		\$ 775,849.64	\$ 426,748.64	\$ 196,811.81	\$ 623,560.45	\$ 152,289.19

Total Expenses	Budget less Expenses	Closing Cash Balance
\$ 623,560.45	\$ 152,289.19	\$ 78,215.54

LEJPA Contributions: Budget & Actuals

	Budget	Funds Received	Funds Withdrawn by LEJPA	Upcoming Withdrawal	Budget Remaining (Funds were in transit on Jun 30)
100311	Member Agency Assessment (LEJPA) ⁴	\$ 660,000.00	\$ 565,000.00	\$ 565,000.00	\$ 95,000.00

[1] District received two Subventions cash reimbursements for FY 21-22 and FY 22-23 accruals.

[2] Revised budget to reflect contract authorizations and amendments.

[3] Retention Release payment of \$2,522.82 for Asta payment moved from 200212 to 400210 per confirmation from MBK Engineers.

[4] Revised budget to reflect FY 23-24 contribution payment-plan aggregated amount.

Financials are on cash basis.

Financials are unaudited and based on current information or estimates.

FINANCIAL MANAGER'S REPORT

Reclamation District 2084 Board of Directors

As on July 24, 2024

Previously Paid Invoices	Currently Paid Invoices	Total Invoiced
\$0.00	\$105,537.00	\$105,537.00

Current Budget	Total Invoiced	Budget Balance
\$1,509,491.02	\$105,537.00	\$1,403,954.02
Funds Received To-Date	Total Invoiced	Funds (Cash) Balance
\$173,215.54	\$105,537.00	\$67,678.54

Action Item

Informational Only.

Funds / Cash	Vendor	Invoice #	Date	Amount
1	Westervelt	2024-008	07/02/2024	\$95,000.00

Expenses	Vendor	Invoice #	Month of Service	Amount
1	MBK	14624	Jun-24	\$3,551.75
2	PG&E	6/30/2024	Jun-24	\$6,985.25
3	LEJPA	2024-008	Jul-24	\$95,000.00

Notes

District Invoices # 1-3 represent total amount between July 1 and July 24, 2024 of \$105,537

RD 2084 BUDGET & ACTUALS

Fiscal Year (FY) 2024-2025 (July 1st - June 30th)

Cash Basis; as on July 24, 2024

Cash Inflow		Total Budget	Previous Period	Current Period	Total Actuals YTD	Remaining Budget (-) Inflow more than budgeted (+) Inflow less than budgeted
100100	Balance in Account (Carryover from 23/24)	\$ 180,105.49		\$ 78,215.54	\$ 78,215.54	\$ 101,889.95
100103	Levee Subventions Program	\$ 90,000.00				\$ 90,000.00
100104	FEMA Emergency Funds	\$ 207,315.00				\$ 207,315.00
100101	Assessment to Landowner	\$ 532,070.53		\$ 95,000.00	\$ 95,000.00	\$ 437,070.53
TBD	Capital payback from LEJPA	\$ 500,000.00			\$ -	\$ 500,000.00
TOTAL REVENUES (Funds 100 and 200)		\$ 1,509,491.02	\$ -	\$ 173,215.54	\$ 173,215.54	\$ 1,336,275.48
Cash Outflow		Total Budget	Previous Period	Current Period	Total Actuals YTD	Remaining Budget (-) Outflow more than budgeted (+) Outflow less than budgeted
GO&A EXPENSES (Fund 100)						
Personnel:						
100203	LEJPA Special Representative	\$ 18,000.00			\$ -	\$ 18,000.00
100204	Board Member Compensation	\$ 6,000.00			\$ -	\$ 6,000.00
100205	Trainings/Certifications	\$ 1,200.00			\$ -	\$ 1,200.00
Subtotal Personnel		\$ 25,200.00	\$ -	\$ -	\$ -	\$ 25,200.00
Administrative Contract Services:						
100301	Administrative Support	\$ 144,000.00			\$ -	\$ 1,944.32
100302	Legal Support	\$ 6,000.00			\$ -	\$ 6,000.00
100303b	Engineering Support - Subventions	\$ 75,000.00		\$ 3,551.75	\$ 3,551.75	\$ 71,448.25
100303c	Engineering Support - Emergency Projects	\$ 50,000.00			\$ -	\$ 50,000.00
100304	Accounting	\$ 18,700.00			\$ -	\$ 18,700.00
Subtotal Administrative Contract Services		\$ 293,700.00	\$ -	\$ 3,551.75	\$ 3,551.75	\$ 290,148.25
Services and Supplies (Excluding Consultant Expenses):						
100502	PO Box Renewal	\$ 265.79			\$ -	\$ 265.79
100505	Website & Hosting	\$ 396.00			\$ -	\$ 396.00
100508c	CCVCA - Dues	\$ 1,288.07			\$ -	\$ 1,288.07
100510	Liability Insurance	\$ 11,500.00			\$ -	\$ 11,500.00
100512	Bank Service Charges	\$ 5.00			\$ -	\$ 5.00
100513	CA SWRCB Annual Fee	\$ 436.17			\$ -	\$ 436.17
Subtotal Services / Supplies		\$ 13,891.02	\$ -	\$ -	\$ -	\$ 13,891.02
TOTAL GO&A EXPENSES (Fund 100):		\$ 332,791.02	\$ -	\$ 3,551.75	\$ 3,551.75	\$ 329,239.27
O&M EXPENSES (Fund 200):						
200200	Levee Slope/Bench Mowing	\$ 2,500.00			\$ -	\$ 2,500.00
200201	Rodent Control	\$ 5,000.00			\$ -	\$ 5,000.00
200202	Levee Top & Access Road Maintenance	\$ 15,000.00			\$ -	\$ 15,000.00
200203	Drainage Channel Clearing	\$ 5,000.00			\$ -	\$ 5,000.00
200204	Pump Station O&M	\$ 4,200.00			\$ -	\$ 4,200.00
200205	Electrical Power	\$ 60,000.00		\$ 6,985.25	\$ 6,985.25	\$ 53,014.75
200208	Misc. O&M	\$ 2,000.00			\$ -	\$ 2,000.00
200209	Brush Removal/Herbicide	\$ 22,500.00			\$ -	\$ 22,500.00
200210	Emergency Monitoring/Gaging and Response	\$ 2,500.00			\$ -	\$ 2,500.00
200212	Waterside Slope Maintenance	\$ 150,000.00			\$ -	\$ 150,000.00
200213	WSM - Design & Permitting	\$ 30,000.00			\$ -	\$ 30,000.00
200215	Seepage Repair	\$ 200,000.00			\$ -	\$ 200,000.00
TOTAL O&M EXPENSES (Fund 200):		\$ 498,700.00	\$ -	\$ 6,985.25	\$ 6,985.25	\$ 491,714.75
EMERGENCY RESPONSE EXPENSES (Fund 400):						
400204	Pump Station O&M	\$ 30,000.00			\$ -	\$ 30,000.00
400205	Electrical Power	\$ 15,000.00			\$ -	\$ 15,000.00
400210	Emergency Monitoring/Gaging and Response	\$ 25,000.00			\$ -	\$ 25,000.00
TOTAL EMERGENCY RESPONSE EXPENSES (Funds 400):		\$ 70,000.00	\$ -	\$ -	\$ -	\$ 70,000.00
500200	All Other (requires board approval)	\$ 25,000.00			\$ -	\$ 25,000.00
TOTAL EXPENSES FOR DISTRICT ACTIVITIES		\$ 926,491.02	\$ -	\$ 10,537.00	\$ 10,537.00	\$ 915,954.02
100311	LEJPA expenses	\$ 535,000.00		\$ 95,000.00	\$ 95,000.00	\$ 440,000.00
100312	Project Transition Support	\$ 48,000.00			\$ -	\$ 48,000.00
TOTAL EXPENSES		\$ 1,509,491.02	\$ -	\$ 105,537.00	\$ 105,537.00	\$ 1,403,954.02

Financials are on cash basis.

Financials are unaudited and based on current information or estimates.