



**QUANTIFICATION SETTLEMENT AGREEMENT  
JOINT POWERS AUTHORITY  
REGULAR MEETING**

**AGENDA**

**WEBINAR/CONFERENCE CALL**

**June 15, 2023**

**1:30 PM**

**Webinar link:** [Click here to join the meeting](#)

**Conference Call Number:** (619) 483-4264 **Conference ID Number:** 333 066 302#

**Conference Call Locations:**

San Diego County Water Authority  
Lobby Conference Room  
4677 Overland Avenue  
San Diego, CA 92123

Coachella Valley Water District  
Administration Conference Room  
75-515 Hovley Lane East  
Palm Desert, CA 92211

Imperial Irrigation District  
Library, J-1 Building  
333 East Barioni Boulevard  
Imperial, CA 92251

Best, Best, & Krieger  
3390 University Avenue, 5th Floor  
Riverside, CA 92501

California Department of Fish of Wildlife  
78078 Country Club Drive, Suite 109  
Bermuda Dunes, CA 92203

**PRELIMINARY MATTERS**

1. Call to Order
2. Roll Call - Determination of Quorum
3. Public Comment - Opportunity for members of the public who wish to address the Authority on matters within the Authority's jurisdiction

**ORGANIZATIONAL MATTERS**

4. Action: Approve minutes of regular QSA JPA meeting held March 20, 2023 (Alexi Schnell, SDCWA)
5. Information: Appointment of Tina Shields, Imperial Irrigation District (IID) Water Department Manager, as the IID representative (Alexi Schnell, SDCWA)

**IMPLEMENTATION**

6. Information: Update on State Salton Sea Management Program (Miguel Hernández, CNRA)

**NOTE:** All items identified as information, discussion, or action items on the agenda may be deliberated by and become subject to consideration and alternative action by the QSA Joint Powers Authority. This meeting may be recorded.

**FINANCIAL MATTERS**

7. Information: Treasurer's Report ending March 31, 2023 (Alan Okewole, SDCWA)
8. Information: Financial Report ending March 31, 2023 (Chris Woidzik, SDCWA)
9. Action: Review and consider approval of QSA JPA Fiscal Year 2024 Budget and Work Plan (Alexi Schnell, SDCWA and Jessica Humes, IID)

**IMPLEMENTATION CONTINUED**

10. Information: Status report on implementation of mitigation measures (Jessica Humes, IID)
11. Adjourn



**QUANTIFICATION SETTLEMENT AGREEMENT  
JOINT POWERS AUTHORITY  
VIRTUAL MEETING MINUTES  
March 20, 2023, at 3:00 p.m.**

**Commissioners and Alternates present:**

Tonya Marshall, California Department of Fish and Wildlife (CDFW) – Chair  
 Jim Barrett, Coachella Valley Water District (CVWD) – Commissioner  
 Dan Denham, San Diego County Water Authority (SDCWA) – Commissioner  
 Henry Martinez, Imperial Irrigation District (IID) – Commissioner  
 Tina Shields, Imperial Irrigation District – Alternate Commissioner

**QSA JPA staff present:**

Jeff Ferre, Best, Best, and Krieger – Legal Counsel  
 Alexi Schnell, SDCWA – Chief Administrative Officer (CAO)

**Others present:**

Jessica Schroeder, CDFW	Jessica Humes, IID
Miguel Hernández, California Natural Resources Agency (CNRA)	Michael Cohen, Pacific Institute
Mia Corral, Chandler Asset Management	Dennis Davis, SDCWA
Genny Lynkiewicz, Chandler Asset Management	Deborah Hodgins, SDCWA
Shannon Ayala, Davis Farr	Wendy Joplin, SDCWA
Joanna Hoff, IID	Alan Okewole, SDCWA
	Darren Simon, SDCWA

**PRELIMINARY MATTERS**

1. Call to Order  
Chair Marshall called the meeting to order at 3:00 p.m.
2. Roll Call  
There was a quorum of the Commission present at the time of the meeting.
3. Public Comment  
There were no public comments at that time.

**ORGANIZATIONAL MATTERS**

4. Action: Approve minutes of regular QSA JPA meeting held November 28, 2022 (Alexi Schnell, SDCWA)  
Commissioner Barrett made a motion to approve the minutes, which was seconded by Commissioner Denham. The minutes were approved by a roll call vote.

5. Information: Annual Conflict of Interest Form 700 filings due April 3 (Alexi Schnell, SDCWA)  
CAO Schnell reminded the Commissioners that their annual Form 700 filings were due April 3, 2023, and requested that they submit their form with a wet signature to her by March 24, 2023.

#### FINANCIAL MATTERS

6. Information: Fiscal Year 2023 Audit Engagement (Wendy Joplin, SDCWA and Shannon Ayala, Davis Farr)  
Ms. Joplin introduced auditor Shannon Ayala from Davis Farr, LLP to update the Commission. Ms. Ayala reviewed the Audit Engagement Letter and the SAS 114 Planning Letter. The engagement letter had no changes or fee increases from the prior year. Ms. Ayala explained that the scope of the audit was to express an opinion that the financial statement and disclosures are free of material misstatement, evaluate internal controls and the risk of material misstatement attributable to those, and indicate compliance with applicable laws and regulations, contracts, and agreements. She explained the SAS 114 Planning Letter expressed two-way communications about fraud and fraud risk, as well as the planned scope and timing of the audit.
7. Information: Investment update (Genny Lynkiewicz, Chandler Asset Management)  
CAO Schnell introduced Ms. Genny Lynkiewicz of Chandler Asset Management to present an investment update. Ms. Lynkiewicz presented an economic update on the following topics: employment, unemployment claims, inflation, gross domestic product, and bond yields. She touched on the QSA JPA's account profile, which included objectives and strategies, compliance, portfolio characteristics, sector distribution, issuers, quality distribution and the duration of the distribution as well as investment performance. Lastly, Ms. Lynkiewicz reviewed the holdings report and the transactions portfolio.
8. Information: Treasurer's Report ending December 31, 2022 (Alan Okewole, SDCWA)  
Mr. Okewole provided a review of the Treasurer's Report ending December 31, 2022. The quarter ended with \$87.7 million in cash and investments. The majority of that was in asset-backed securities with approximately \$54 million, held by the CA Asset Management Program (CAMP). Mr. Okewole noted that 62% of the QSA JPA's portfolio is invested in CAMP which exceeds the 25% portfolio investment limit for CAMP, but the QSA JPA portfolio will comply with the limit by June 30, 2023. The effective rate of return for the portfolio was reported at approximately 1.75%, and the interest received (fiscal year (FY) to date) was \$767,151. Annual contributions were deposited this quarter in the amount of \$48.5 million, and two invoices were paid totaling approximately \$1.03 million. Mr. Okewole reported the updated total outstanding balance due was \$7.06 million, or \$6.42 million at net present value at 6%.
9. Information: Financial Report ending December 31, 2022 (Wendy Joplin, SDCWA)  
Ms. Joplin provided a review of the Financial Report ending December 31, 2022. Total assets were \$92.7 million with \$1.6 million in liabilities. Unavailable mitigation contributions were \$6.42 million, and the total fund balance was \$84.7 million. Total revenues were \$53.4 million and total expenditures were \$2.55 million. Approximately 10.2% of the FY 2023 budget was spent through this period, but including invoices received after December 2022, the reported budget execution rate was approximately 50%. Ms. Joplin concluded with a summary of expenses on Tasks 2, 8 and 24, as included in the Budget Status Report.

#### IMPLEMENTATION

10. Information: Status report on implementation of mitigation measures (Jessica Humes, IID)  
Ms. Humes provided an update on various mitigation measures:

*Task 8 – Drain Habitat (Aquatic) – Managed Marsh Complex:* IID reported that it completed maintenance, including grading roads and managing tamarisk vegetation, at the Managed Marsh in preparation for bird breeding season. Additional work is anticipated at the marsh for fall 2023.

*Task 15 – Pre-Construction Activity Burrowing Owl Surveys and Relocation:* IID reported on-going pre-construction inspections as the burrowing owl breeding season starts. IID also reported that it is wrapping up annual burrowing owl training for its operators.

*Task 17 – Farmer and Public Education Program:* IID visited a local elementary school in Holtville, CA, at the beginning of 2023 for its Kid Wise Burrowing Owl Education Program, where IID staff teach students about burrowing owl conservation. Students then designed an advertisement for the program. The top four entities will be featured in the latest edition of *Imperial Valley Alive!* magazine.

*Task 18 – Desert Pupfish Abundance and Distribution Study:* IID reported that staff is taking photos of all IID drains to determine the best locations for presence/absence trapping. In April 2023, CDFW staff will train two new IID environmental specialists on pupfish trapping.

*Task 24 – Salton Sea Air Quality Mitigation:* IID completed construction of all its Clubhouse shallow groundwater wells. Minor items that should be completed in early April 2023 at the Clubhouse site include the perimeter fence and solar pump installation. IID submitted to Imperial County a conditional use permit application for use of the wells, which is expected to go before the Imperial County Planning Commission in April 2023.

Environmental documents for the three Bombay Beach shallow groundwater wells and vegetation plot project were approved by the IID board in February 2023. A major work authorization was also approved. Construction is pending a notice to proceed. IID posted two solicitations: one for 61 piezometers around the Salton Sea and another for the Clubhouse vegetation plot project that will use water from the shallow groundwater wells.

Lastly, IID reported that it is finalizing the draft FY 2024 budget for the Habitat Conservation Plan Implementation Team group's review, and IID's annual reports will be distributed by the end of March 2023.

11. Information: Update on State Salton Sea Management Program (Miguel Hernández, CNRA)  
Miguel Hernández, Public Affairs Officer for the Salton Sea Management Program (SSMP) at CNRA, provided the SSMP Update. Mr. Hernández reported the following items to the Commission:

*Draft Salton Sea Long-Range Plan:* The public comment period on the draft plan ended March 17, 2023. The draft plan was released for public review in December 2022. All comments received will be compiled with the draft plan and key documents for use in the next phase of the plan. Additional opportunities for public input will be available in the next phase.

*Annual Report on the SSMP:* SSMP staff distributed its March 2023 annual report summarizing program activities and progress in 2022. A public workshop is scheduled in April 2023 to review the plan.

*Request for Qualifications:* The SSMP, through the Department of Water Resources, posted a Request for Qualifications in March 2023 to invite engineering and environmental services firms to provide SSMP technical assistance in the following areas: design, environmental permit acquisition, and construction.

Mr. Hernández identified the following Salton Sea engagement opportunities and events hosted by either the SSMP team or SSMP partners:

- SSMP Community Engagement Committee – April 3, 2023
- State Water Board Salton Sea Workshop – May 16 and 17, 2023  
The State Water Board held its annual workshop on the status of Phase 1 of the SSMP. The workshop was an opportunity for participants to provide input to the State Water Board regarding the status of the SSMP.

Michael Cohen (Pacific Institute) inquired if Mr. Hernández could confirm whether a new assistant secretary for Salton Sea policy had been appointed. He also asked if the SSMP team could provide detailed SSMP financial information either in the SSMP annual report or another publication.

Mr. Hernández confirmed that a new assistant secretary would be announced soon but had no details that he could share at that time. He also acknowledged Mr. Cohen's suggestion regarding the SSMP's financials and stated that he would bring it to the attention of his team to see if it is something they can accommodate.

## 12. Adjournment

Before the meeting was adjourned, Ms. Joplin provided a timeline for the annual audit. She also reviewed the audit contract awarding process, noting that fees are likely to increase and that the Request for Proposals review panel will include a representative from the QSA JPA. Ms. Joplin reminded the Commission that any interested Commissioner can let CAO Schnell know that they want to serve as the QSA JPA representative on the panel.

CAO Schnell informed meeting attendees that QSA JPA staff are working to schedule the next meeting date in June 2023. The meeting will be scheduled for 90 minutes to facilitate review of the FY 2024 QSA JPA budget.

The meeting was adjourned at 3:54 p.m.



May 18, 2023

QSA Joint Powers Authority Commissioners  
c/o Alexi Schnell, JPA Chief Administrative Officer  
QSA Joint Powers Authority  
San Diego County Water Authority  
4677 Overland Avenue  
San Diego, California 92123

Subject: Imperial Irrigation District Commissioner Appointment

Dear QSA Joint Powers Authority Commissioners,

Effective June 3, 2023, please designate Tina Shields, Water Department Manager, as the Imperial Irrigation District Commissioner representative to the Quantification Settlement Agreement Joint Powers Authority governing body to fill the soon to be vacated role after my impending retirement. An alternate IID commissioner to replace Ms. Shields will be designated at a future date.

If you have any questions, please contact Tina Shields at (760)339-9038 or [tlshields@iid.com](mailto:tlshields@iid.com).

Sincerely,

Enrique B. Martinez  
General Manager  
IID QSA JPA Commissioner

cc: Tanya Marshal, CDFW/QSA JPA Chair  
Jim Barrett/Robert Cheng, CVWD  
Dan Denham, SDCWA  
Jeff Ferre, Best, Best and Krieger

**Quantification Settlement Agreement**  
**Joint Powers Authority**  
**Treasurer's Report**  
**at March 31, 2023**

<u>Investment Type</u>	<u>% Limit</u>	<u>% of Portfolio</u>	<u>Book</u>
CA Asset Mgmt Program (CAMP)	25%	40.26%	\$ 34,903,476.45 <sup>(1)</sup>
Treasury Securities	100%	20.80%	18,029,920.22
Federal Agency Securities	100%	19.79%	17,157,988.18
Medium Term Notes	30%	10.41%	9,022,493.73
Supranationals	15%	1.50%	1,301,526.00
Local Agency Investment Fund (LAIF)	\$75M - Maximum	5.01%	4,347,699.32
Asset-Backed Securities and Collateralized Mortgage Obligations	20%	1.14%	985,413.60
Chandler Managed Account (BNY)	100%	1.08%	940,280.15
CEO Account (Wells Fargo)	100%	0.01%	10,106.00
Total Cash and Investments		100%	\$ 86,698,903.65
Effective Rate of Return			2.40%
<b><u>Interest Earnings (Cash and Investments):</u></b>			
Fiscal Year to Date			\$ 1,557,924.85
Average Term			560
Average Days to Maturity (730 Days Maximum)			363

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**Lisa Marie Harris, Treasurer**

<sup>(1)</sup>CAMP interest rates continue to exceed LAIF. Liquid funds will be kept in CAMP until LAIF rates improve.



**Quantification Settlement Agreement  
Joint Powers Authority  
Treasurer's Report  
at March 31, 2023**

**Deposit & Invoice Activity:**

Date	Name	Deposits	Invoices
<b>Total Fiscal Year 6/30/2004</b>		\$ 4,387,846.00	\$ -
<b>Total Fiscal Year 6/30/2005</b>		\$ 1,758,945.00	\$ (1,959,440.28)
<b>Total Fiscal Year 6/30/2006</b>		\$ 2,161,019.83	\$ (4,555,061.94)
<b>Total Fiscal Year 6/30/2007</b>		\$ 2,347,672.00	\$ (2,938,474.58)
<b>Total Fiscal Year 6/30/2008</b>		\$ 11,644,612.84	\$ (5,779,276.79)
<b>Total Fiscal Year 6/30/2009</b>		\$ 6,870,567.00	\$ (8,251,293.97)
<b>Total Fiscal Year 6/30/2010</b>		\$ 14,545,715.00	\$ (9,061,269.71)
<b>Total Fiscal Year 6/30/2011</b>		\$ 5,849,675.00	\$ (5,944,418.65)
<b>Total Fiscal Year 6/30/2012</b>		\$ 6,585,384.00	\$ (1,851,265.44)
<b>Total Fiscal Year 6/30/2013</b>		\$ 7,497,513.00	\$ (4,335,543.28)
<b>Total Fiscal Year 6/30/2014</b>		\$ 10,699,074.00	\$ (10,987,218.93)
<b>Total Fiscal Year 6/30/2015</b>		\$ 17,331,735.00	\$ (14,361,492.54)
<b>Total Fiscal Year 6/30/2016</b>		\$ 15,222,157.00	\$ (22,997,264.03)
<b>Total Fiscal Year 6/30/2017</b>		\$ 29,162,833.00	\$ (21,104,845.03)
<b>Total Fiscal Year 6/30/2018</b>		\$ 18,183,882.00	\$ (16,428,573.00)
<b>Total Fiscal Year 6/30/2019</b>		\$ 20,121,404.00	\$ (5,447,961.38)
<b>Total Fiscal Year 6/30/2020</b>		\$ 11,654,013.00	\$ (8,417,595.87)
<b>Total Fiscal Year 6/30/2021</b>		\$ 5,366,051.00	\$ (18,469,059.88)
<b>Total Fiscal Year 6/30/2022</b>		\$ 10,884,302.00	\$ (6,598,421.27)
07/27/2022	Mitigation # 1189		\$ (449,805.18)
08/24/2022	Mitigation # 1190		\$ (464,473.23)
09/28/2022	Mitigation # 1191		\$ (471,487.12)
09/29/2022	IID Balance Payoff	\$ 48,458,655.04	
11/04/2022	Mitigation # 1192		\$ (684,346.22)
11/23/2022	Mitigation # 1193		\$ (343,861.72)
12/23/2022	Coachella Payment	\$ 2,706,745.00	
12/27/2022	SDCWA Payment	\$ 1,517,597.00	
01/05/2023	Mitigation # 1194		\$ (220,901.92)
03/10/2023	Mitigation # 1195		\$ (589,241.38)
03/10/2023	Mitigation # 1196		\$ (773,893.65)
<b>Total Fiscal Year 6/30/2023 (YTD)</b>		\$ 52,682,997.04	\$ (3,998,010.42)
Totals to date:		\$ 254,957,397.71	\$ (173,486,486.99)

**Reconciliation of Deposit and Invoice Activity to Total Cash and Investments:**

Deposits	\$ 254,957,397.71
Invoices	(173,486,486.99)
Subtotal	81,470,910.72
Interest Earned - Fiscal Year 2023	1,557,924.85
Interest Earned - Fiscal Year 2022	264,804.05
Interest Earned - Fiscal Year 2021	256,696.76
Interest Earned - Fiscal Year 2020	875,225.18
Interest Earned - Fiscal Year 2019	867,814.64
Interest Earned - Fiscal Year 2018	367,384.75
Interest Earned - Fiscal Year 2017	169,676.70
Interest Earned - Fiscal Year 2016	99,489.54
Interest Earned - Fiscal Year 2015	43,822.46
Interest Earned - Fiscal Year 2014	36,595.42
Interest Earned - Fiscal Year 2013	60,004.09
Interest Earned - Fiscal Year 2012	45,850.28
Interest Earned - Fiscal Year 2011	66,144.04
Interest Earned - Fiscal Year 2010	48,102.28
Interest Earned - Fiscal Year 2009	173,945.72
Interest Earned - Fiscal Year 2008	376,499.98
Interest Earned - Fiscal Year 2007	135,591.60
Interest Earned - Fiscal Year 2006	127,788.23
Interest Earned - Fiscal Year 2005	86,031.33
Interest Earned - Fiscal Year 2004	7,822.91
Fees Paid - Inception to Date	(89,979.71)
Interest not yet received at March 31, 2023	(349,242.17)
<b>Total Cash &amp; Investments</b>	<b>\$ 86,698,903.65</b>

**Quantification Settlement Agreement**  
**Joint Powers Authority**  
**Treasurer's Report**  
**at March 31, 2023**

**Deposit History (Inception-to-Date):**

<u>Calendar Year</u>	<u>Payment Type</u>	<u>SDCWA (1)</u>	<u>IID</u>	<u>CVWD</u>	<u>Total</u>
2003	Original Payment	\$ 2,340,273.00	\$ 402,069.00	\$ 1,645,504.00	\$ 4,387,846.00
2004	Original Payment	1,032,775.00	-	726,170.00	1,758,945.00
2005	Original Payment	969,146.83	418,191.00	773,682.00	2,161,019.83
2006	Original Payment	848,849.00	574,316.00	924,507.00	2,347,672.00
2007	Advance Payment	4,094,225.00	1,658,950.00	2,878,752.00	8,631,927.00
2007	Original Payment	1,214,878.84	739,432.00	1,058,375.00	3,012,685.84
2008	Advance Payment	2,164,086.00	876,872.00	1,521,623.00	4,562,581.00
2008	Original Payment	-	761,615.00	1,546,371.00	2,307,986.00
2009	Original Payment	7,879,603.00	941,356.00	5,724,756.00	14,545,715.00
2010	Original Payment	2,770,483.00	1,131,196.00	1,947,996.00	5,849,675.00
2011	Original Payment	3,084,803.00	1,331,579.00	2,169,002.00	6,585,384.00
2012	Original Payment	3,496,247.00	1,542,967.00	2,458,299.00	7,497,513.00
2013	Original Payment	5,245,201.00	1,765,841.00	3,688,032.00	10,699,074.00
2014	Original Payment	5,291,989.00	1,818,816.00	3,720,930.00	10,831,735.00
2015	Advance Payment	2,000,000.00	6,500,000.00	1,000,000.00	9,500,000.00
2015	Original Payment	6,076,346.00	1,873,380.00	4,272,431.00	12,222,157.00
2016	Advance Payment	1,800,000.00	5,125,000.00	2,000,000.00	8,925,000.00
2016	Original Payment	8,254,386.00	1,929,582.00	5,803,865.00	15,987,833.00
2017	Advance Payment	1,850,000.00	4,250,000.00	500,000.00	6,600,000.00
2017	Original Payment	8,314,814.00	1,987,469.00	5,531,599.00	15,833,882.00
2018	Advance Payment	1,750,000.00	3,500,000.00	500,000.00	5,750,000.00
2018	Original Payment	6,914,667.00	2,261,221.00	5,195,516.00	14,371,404.00
2019	Advance Payment	1,750,000.00	2,800,000.00	1,000,000.00	5,550,000.00
2019	Original Payment	1,060,053.00	2,473,610.00	745,350.00	4,279,013.00
2020	Advance Payment	850,000.00	1,825,000.00	-	2,675,000.00
2020	Original Payment	1,050,836.00	2,726,346.00	738,869.00	4,516,051.00
2021	Advance Payment	-	1,500,000.00	-	1,500,000.00
2021	Original Payment	3,801,632.00	2,885,115.00	2,697,555.00	9,384,302.00
2022	Balance Payoff	-	48,458,655.04	-	48,458,655.04
2022	Original Payment	1,517,597.00	-	2,706,745.00	4,224,342.00
		-	-	-	-
	Totals to date:	<u>\$ 87,422,890.67</u>	<u>\$ 104,058,578.04</u>	<u>\$ 63,475,929.00</u>	<u>\$ 254,957,397.71</u>

(1) SDCWA payments shown above are reduced by credits for payments made to the Bureau of Reclamation regarding responsibility for implementation of Conservation and Mitigation Measures for the Colorado River.

<b>Total Outstanding Balance Due at March 31, 2023</b>				
<b>Payment Schedules</b> <sup>(2)</sup>	<b>SDCWA</b>	<b>IID</b>	<b>CVWD</b>	<b>Total</b>
Nominal amount	\$ 3,614,969	\$ -	\$ 3,450,013	\$ 7,064,982
Present value (@ 6%)	\$ 3,278,223	\$ -	\$ 3,235,791	\$ 6,514,014

(2) Source: Modification of Payment Schedules per Agreement dated May 20, 2015



### PORTFOLIO CHARACTERISTICS

Average Modified Duration	0.91
Average Coupon	3.51%
Average Purchase YTM	3.80%
Average Market YTM	4.52%
Average S&P/Moody Rating	AAA/Aa1
Average Final Maturity	0.98 yrs
Average Life	0.95 yrs

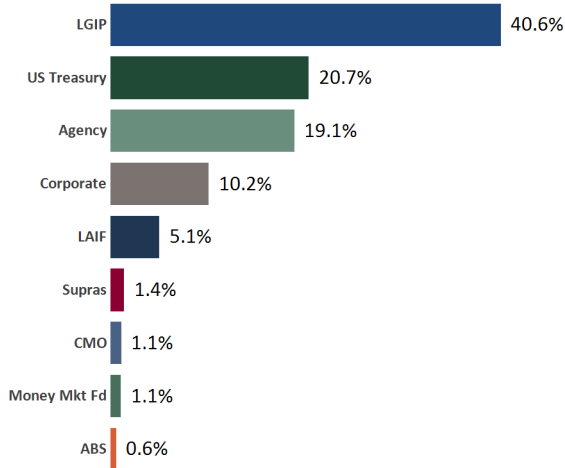
### ACCOUNT SUMMARY

	Beg. Values as of 2/28/23	End Values as of 3/31/23
Market Value	86,199,353	85,597,515
Accrued Interest	242,581	291,399
<b>Total Market Value</b>	<b>86,441,934</b>	<b>85,888,914</b>
Income Earned	80,434	108,077
Cont/WD		-1,218,201
Par	88,096,396	87,035,808
Book Value	87,764,823	86,607,145
Cost Value	87,764,823	86,607,145

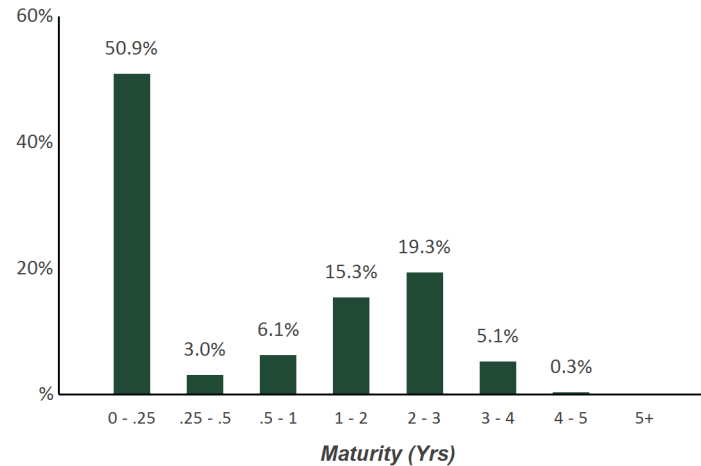
### TOP ISSUERS

CAMP	40.6%
Government of United States	20.7%
Federal Home Loan Bank	8.7%
Local Agency Investment Fund	5.1%
Federal Home Loan Mortgage Corp	4.7%
Federal Farm Credit Bank	4.1%
Federal National Mortgage Assoc	2.7%
Dreyfus Gov't Cash Management	1.1%
<b>Total</b>	<b>87.7%</b>

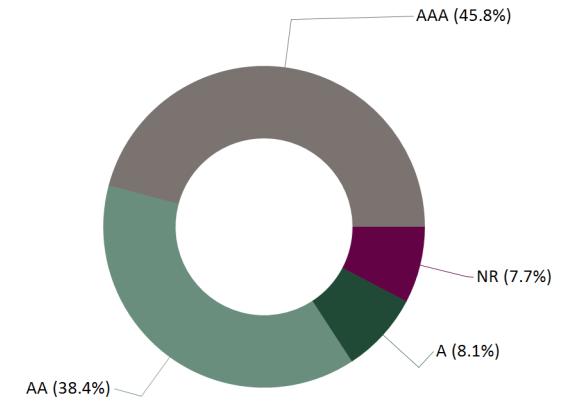
### SECTOR ALLOCATION



### MATURITY DISTRIBUTION



### CREDIT QUALITY (S&P)



**QSA JPA - Fiscal Year 2023  
Portfolio Management  
Portfolio Details - Investments  
March 31, 2023**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	S&P	YTM 365	Days to Maturity	Maturity Date
<b>Managed Pool Accounts</b>												
SYS	2000	BNY Mellon			940,280.15	940,280.15	940,280.15	4.410		4.410	1	
SYS1001	1001	CAMP - QSA OPERATING			34,903,476.45	34,903,476.45	34,903,476.45	4.800	AAA	4.800	1	
SYS1000	1000	Local Agency Investment Fund			4,347,699.32	4,347,699.32	4,347,699.32	2.831		2.831	1	
<b>Subtotal and Average</b>			<b>41,320,087.35</b>		<b>40,191,455.92</b>	<b>40,191,455.92</b>	<b>40,191,455.92</b>			<b>4.578</b>	<b>1</b>	
<b>Passbook/Checking Accounts</b>												
SYS100	100	Wells Fargo Bank			10,106.00	10,106.00	10,106.00			0.000	1	
<b>Subtotal and Average</b>			<b>54,112.94</b>		<b>10,106.00</b>	<b>10,106.00</b>	<b>10,106.00</b>			<b>0.000</b>	<b>1</b>	
<b>Medium Term Notes</b>												
023135BX3	20048	Amazon		06/09/2021	250,000.00	226,472.50	250,235.00	1.000	AA-	0.980	1,137	05/12/2026
037833DT4	20005	Apple Inc		05/15/2020	125,000.00	117,251.25	125,710.00	1.125	AAA	1.006	771	05/11/2025
037833BG4	20087	Apple Inc		12/29/2022	250,000.00	246,087.22	243,194.72	3.200	AA+	4.607	773	05/13/2025
06406HCS6	20021	BNY Mellon		06/30/2020	125,000.00	123,272.50	137,736.25	3.650	A	0.709	309	02/04/2024
06051GHR3	20020	Bank of America		06/30/2020	125,000.00	122,336.25	135,600.00	3.458	A-	1.117	714	03/15/2025
06051GFS3	20103	Bank of America		02/14/2023	350,000.00	342,649.76	343,472.26	3.875	A-	4.746	853	08/01/2025
06367WB85	20061	Bank of Montreal		09/25/2021	250,000.00	234,017.50	258,362.50	1.850	A-	1.054	761	05/01/2025
06406RBA4	20070	Bank of NY Mellon		01/26/2022	125,000.00	112,680.00	125,402.50	2.050	A	1.981	1,396	01/26/2027
06406RAN7	20104	Bank of NY Mellon		02/14/2023	250,000.00	233,477.22	234,429.72	1.600	A	4.863	754	04/24/2025
14913R2Y2	20086	CATERPILLAR FINL SERVICE		11/21/2022	400,000.00	402,207.33	400,275.33	4.900		4.889	657	01/17/2025
808513BN4	20064	Charles Schwab Corp		09/27/2021	250,000.00	237,982.50	251,097.50	0.750	A	0.565	352	03/18/2024
808513BF1	20116	Charles Schwab Corp		03/10/2023	250,000.00	218,397.50	220,290.00	0.900	A	5.228	1,075	03/11/2026
437076BM3	20106	Home Depot		02/14/2023	500,000.00	490,226.67	483,136.67	3.000	A	4.551	1,096	04/01/2026
438516BW5	20015	Honeywell International		06/23/2020	250,000.00	242,720.00	265,285.00	2.300	A	0.768	502	08/15/2024
24422EVC0	20022	John Deere Owner Trust		06/30/2020	125,000.00	120,281.25	132,176.25	2.050	A	0.757	649	01/09/2025
24422EWB1	20082	John Deere Owner Trust		11/14/2022	250,000.00	238,535.00	234,740.00	2.125	A	4.948	706	03/07/2025
46625HRL6	20006	JP MORGAN SECURITIES LLC		05/15/2020	125,000.00	124,597.50	129,938.75	2.700	A-	1.280	47	05/18/2023
46647PBK1	20049	JP MORGAN SECURITIES LLC		06/09/2021	150,000.00	140,281.50	155,842.50	2.083	A-	1.053	1,117	04/22/2026
46647PBH8	20114	JP MORGAN SECURITIES LLC		03/10/2023	250,000.00	235,490.00	231,995.00	2.005	A-	5.858	1,077	03/13/2026
58933YAF2	20023	Merck & Co Inc		06/30/2020	250,000.00	249,395.00	266,602.50	2.800	AA-	0.478	47	05/18/2023
594918BJ2	20098	Microsoft Corporation		01/27/2023	750,000.00	736,531.25	733,628.75	3.125	AAA	4.250	947	11/03/2025
63743HFC1	20084	NATIONAL RURAL UTIL COOP		11/14/2022	250,000.00	236,905.00	232,627.50	1.875	A-	5.214	678	02/07/2025
69371RS23	20115	Paccar Financial Corp		03/10/2023	500,000.00	514,678.75	507,103.75	4.950	A+	5.260	916	10/03/2025
69353RFL7	20039	PNC Bank		08/18/2020	250,000.00	248,812.50	270,380.00	3.500	A	0.485	68	06/08/2023
747525AF0	20050	Qualcomm Inc		06/09/2021	250,000.00	245,245.00	274,905.00	3.450	A-	0.715	780	05/20/2025
78013XZU5	20001	RBC CAPITAL MARKETS		05/15/2020	125,000.00	120,890.00	130,016.25	2.550	A	1.552	472	07/16/2024
78015K7H1	20068	RBC CAPITAL MARKETS		12/28/2021	125,000.00	115,030.00	123,856.25	1.150	A	1.423	801	06/10/2025
78016FZT4	20096	RBC CAPITAL MARKETS		01/27/2023	250,000.00	250,800.31	251,800.31	4.875	A	4.685	1,017	01/12/2026

Portfolio JPA  
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**QSA JPA - Fiscal Year 2023  
Portfolio Management  
Portfolio Details - Investments  
March 31, 2023**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	S&P	YTM 365	Days to Maturity	Maturity Date
<b>Medium Term Notes</b>												
89236TJK2	20062	Toyota Auto Receivables		09/17/2021	250,000.00	225,232.50	249,850.00	1.125	AAA	1.034	1,174	06/18/2026
89236TKN4	20097	Toyota Auto Receivables		01/27/2023	500,000.00	503,835.00	502,710.00	4.800	A+	4.614	650	01/10/2025
89114QCA4	20024	Toronto Dominion Bank		06/30/2020	125,000.00	121,473.75	133,626.25	2.650	A	0.869	438	06/12/2024
89114TZD7	20052	Toronto Dominion Bank		06/17/2021	150,000.00	133,543.50	150,562.50	1.200	A	1.122	1,159	06/03/2026
87612EBM7	20071	Target Corp		01/26/2022	100,000.00	92,378.00	100,335.00	1.950	A	1.878	1,385	01/15/2027
91324PEN8	20085	UNITEDHEALTH GROUP INC		11/14/2022	250,000.00	255,122.22	251,094.72	5.150	A+	5.072	928	10/15/2025
92826CAD4	20105	Visa Inc		02/14/2023	500,000.00	487,910.00	484,475.00	3.150	AA-	4.528	988	12/14/2025
<b>Subtotal and Average</b>			<b>8,841,528.35</b>		<b>9,025,000.00</b>	<b>8,746,746.23</b>	<b>9,022,493.73</b>			<b>3.233</b>	<b>794</b>	
<b>Federal Agency - Coupon</b>												
3133ENZ37	20007	Federal Farm Credit Bank		11/10/2022	500,000.00	504,280.00	500,916.00	4.875	AA+	4.788	650	01/10/2025
3133ENPG9	20101	Federal Farm Credit Bank		02/13/2023	1,000,000.00	956,590.00	946,720.00	1.750	AA+	4.564	685	02/14/2025
3133EPCF0	20111	Federal Farm Credit Bank		03/09/2023	1,000,000.00	1,012,885.00	991,545.00	4.500	AA+	4.840	1,066	03/02/2026
3133EPCW3	20113	Federal Farm Credit Bank		03/10/2023	1,000,000.00	1,012,550.00	996,470.00	5.000	AA+	5.188	709	03/10/2025
3130ATT31	20004	Federal Home Loan Bank		11/10/2022	500,000.00	501,690.00	498,065.00	4.500	AA+	4.800	551	10/03/2024
3133XVDG3	20008	Federal Home Loan Bank		11/10/2022	500,000.00	498,760.00	496,255.00	4.375	AA+	4.802	531	09/13/2024
3130A4CH3	20013	Federal Home Loan Bank		06/22/2020	500,000.00	481,760.00	543,535.00	2.375	AA+	0.509	713	03/14/2025
3130ATUQ8	20089	Federal Home Loan Bank		01/26/2023	1,000,000.00	998,790.00	999,520.00	4.750	AA+	4.794	342	03/08/2024
3130ATUR6	20090	Federal Home Loan Bank		01/26/2023	1,000,000.00	1,015,014.72	1,014,814.72	4.625	AA+	4.378	622	12/13/2024
3130ATVD6	20091	Federal Home Loan Bank		01/26/2023	500,000.00	502,455.00	502,665.00	4.875	AA+	4.532	531	09/13/2024
3130ATUC9	20100	Federal Home Loan Bank		02/13/2023	1,000,000.00	1,019,150.00	1,018,330.00	4.500	AA+	4.275	986	12/12/2025
3130ATVC8	20109	Federal Home Loan Bank		02/28/2023	700,000.00	712,929.88	708,001.88	4.875	AA+	5.154	440	06/14/2024
3130AV3G5	20110	Federal Home Loan Bank		03/09/2023	1,000,000.00	1,005,567.78	999,437.78	5.125	AA+	5.390	328	02/23/2024
3137EAEP0	20002	Federal Home Loan Mtg Corp		05/14/2020	500,000.00	475,720.00	523,435.00	1.500	AA+	0.499	683	02/12/2025
3137EAEZ8	20010	Federal Home Loan Mtg Corp		11/10/2022	500,000.00	486,438.89	477,993.89	0.250	AA+	4.855	219	11/06/2023
3137EAER6	20014	Federal Home Loan Mtg Corp		06/22/2020	500,000.00	498,180.00	500,695.00	0.375	AA+	0.326	34	05/05/2023
3137EAEU9	20030	Federal Home Loan Mtg Corp		08/11/2020	500,000.00	459,740.00	500,035.00	0.375	AA+	0.373	842	07/21/2025
3137EAES4	20033	Federal Home Loan Mtg Corp		08/17/2020	500,000.00	494,970.00	499,860.00	0.250	AA+	0.260	86	06/26/2023
3137EAEX3	20041	Federal Home Loan Mtg Corp		10/14/2020	250,000.00	228,252.50	249,067.50	0.375	AA+	0.451	906	09/23/2025
3137EAEX3	20051	Federal Home Loan Mtg Corp		06/16/2021	500,000.00	456,505.00	494,625.00	0.375	AA+	0.631	906	09/23/2025
3135G03U5	20003	Federal National Mtg Assn		05/14/2020	500,000.00	464,630.00	502,235.00	0.625	AA+	0.533	752	04/22/2025
3135G04Z3	20029	Federal National Mtg Assn		08/11/2020	500,000.00	461,790.00	502,750.00	0.500	AA+	0.385	808	06/17/2025
3135G05G4	20032	Federal National Mtg Assn		08/17/2020	500,000.00	494,230.00	499,835.00	0.250	AA+	0.261	100	07/10/2023
3135G05X7	20040	Federal National Mtg Assn		10/14/2020	250,000.00	228,740.00	249,155.00	0.375	AA+	0.445	877	08/25/2025
3135G06G3	20042	Federal National Mtg Assn		11/30/2020	250,000.00	228,572.50	250,012.50	0.500	AA+	0.499	951	11/07/2025
3135G05X7	20055	Federal National Mtg Assn		06/24/2021	500,000.00	457,480.00	493,260.00	0.375	AA+	0.704	877	08/25/2025
<b>Subtotal and Average</b>			<b>15,161,988.91</b>		<b>15,950,000.00</b>	<b>15,657,671.27</b>	<b>15,959,234.27</b>			<b>3.214</b>	<b>619</b>	

**QSA JPA - Fiscal Year 2023  
Portfolio Management  
Portfolio Details - Investments  
March 31, 2023**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	S&P	YTM 365	Days to Maturity	Maturity Date
<b>Federal Agency - Discount</b>												
313384QM4	20088	Federal Home Loan Bank		12/29/2022	750,000.00	725,775.00	716,312.50	4.620	A-1	4.917	257	12/14/2023
<b>Subtotal and Average</b>			<b>716,312.50</b>		<b>750,000.00</b>	<b>725,775.00</b>	<b>716,312.50</b>			<b>4.917</b>	<b>257</b>	
<b>Treasury - Coupon</b>												
9128282N9	20009	U.S. Treasury		05/29/2020	500,000.00	485,135.00	537,695.31	2.125	AA+	0.305	487	07/31/2024
9128282U3	20016	U.S. Treasury		11/10/2022	500,000.00	482,850.00	475,175.78	1.875	AA+	4.779	518	08/31/2024
9128285T3	20019	U.S. Treasury		11/10/2022	500,000.00	483,575.00	472,753.91	2.625	AA+	4.505	1,005	12/31/2025
912828ZL7	20025	U.S. Treasury		06/30/2020	500,000.00	463,535.00	502,285.16	0.375	AA+	0.280	760	04/30/2025
912828M56	20026	U.S. Treasury		11/10/2022	500,000.00	479,280.00	468,105.47	2.250	AA+	4.539	959	11/15/2025
912828ZP8	20027	U.S. Treasury		06/30/2020	500,000.00	497,330.00	499,335.94	0.125	AA+	0.171	44	05/15/2023
912828V80	20034	U.S. Treasury		11/10/2022	500,000.00	489,745.00	485,019.53	2.250	AA+	4.799	305	01/31/2024
912828X70	20035	U.S. Treasury		11/10/2022	500,000.00	486,466.24	480,334.83	2.000	AA+	4.839	395	04/30/2024
912828ZY9	20036	U.S. Treasury		08/17/2020	500,000.00	493,380.00	499,218.75	0.125	AA+	0.179	105	07/15/2023
91282CBH3	20044	U.S. Treasury		02/19/2021	300,000.00	272,133.00	297,410.16	0.375	AA+	0.552	1,036	01/31/2026
91282CBC4	20045	U.S. Treasury		03/05/2021	250,000.00	227,695.00	246,230.47	0.375	AA+	0.693	1,005	12/31/2025
91282CBQ3	20046	U.S. Treasury		03/05/2021	250,000.00	227,050.00	247,343.75	0.500	AA+	0.717	1,064	02/28/2026
91282CBT7	20053	U.S. Treasury		06/21/2021	500,000.00	457,070.00	497,402.34	0.750	AA+	0.861	1,095	03/31/2026
91282CCF6	20057	U.S. Treasury		06/25/2021	400,000.00	363,564.00	397,312.50	0.750	AA+	0.890	1,156	05/31/2026
91282CCG4	20058	U.S. Treasury		06/25/2021	400,000.00	380,280.00	397,390.63	0.250	AA+	0.471	441	06/15/2024
91282CCK5	20059	U.S. Treasury		06/30/2021	600,000.00	593,472.00	598,312.50	0.125	AA+	0.266	90	06/30/2023
91282CCP4	20060	U.S. Treasury		08/10/2021	400,000.00	360,516.00	396,656.25	0.625	AA+	0.800	1,217	07/31/2026
91282CCW9	20063	U.S. Treasury		09/16/2021	500,000.00	451,485.00	498,671.88	0.750	AA+	0.805	1,248	08/31/2026
912828T91	20065	U.S. Treasury		09/24/2021	500,000.00	491,170.00	514,023.44	1.625	AA+	0.285	213	10/31/2023
9128282D1	20066	U.S. Treasury		09/24/2021	500,000.00	493,145.00	510,781.25	1.375	AA+	0.256	152	08/31/2023
91282CCZ2	20067	U.S. Treasury		11/02/2021	500,000.00	452,460.00	493,066.41	0.875	AA+	1.166	1,278	09/30/2026
91282CDG3	20069	U.S. Treasury		12/27/2021	400,000.00	364,516.00	397,468.75	1.125	AA+	1.260	1,309	10/31/2026
912828R28	20073	U.S. Treasury		05/16/2022	500,000.00	498,850.00	497,890.63	1.625	AA+	2.072	29	04/30/2023
9128282D1	20077	U.S. Treasury		08/10/2022	500,000.00	493,145.00	490,253.91	1.375	AA+	3.265	152	08/31/2023
91282CER8	20079	U.S. Treasury		11/10/2022	500,000.00	488,615.00	482,851.56	2.500	AA+	4.815	426	05/31/2024
91282CEY3	20080	U.S. Treasury		11/10/2022	500,000.00	488,965.00	480,371.09	3.000	AA+	4.572	836	07/15/2025
91282CEY3	20092	U.S. Treasury		01/26/2023	500,000.00	489,420.80	488,893.30	3.000	AA+	3.992	836	07/15/2025
91282CGE5	20093	U.S. Treasury		01/26/2023	500,000.00	500,393.74	501,057.49	3.875	AA+	3.841	1,020	01/15/2026
912828B66	20094	U.S. Treasury		01/26/2023	700,000.00	688,163.00	686,164.06	2.750	AA+	4.692	320	02/15/2024
912828G38	20095	U.S. Treasury		01/26/2023	1,000,000.00	972,715.14	970,178.27	2.250	AA+	4.246	594	11/15/2024
9128285C0	20102	U.S. Treasury		02/13/2023	1,000,000.00	977,420.00	968,515.63	3.000	AA+	4.279	913	09/30/2025
91282CGL9	20108	U.S. Treasury		02/15/2023	1,000,000.00	1,003,440.00	994,960.94	4.000	AA+	4.180	1,051	02/15/2026
91282CEK3	20112	U.S. Treasury		03/09/2023	1,000,000.00	986,746.77	977,726.77	2.500	AA+	5.350	395	04/30/2024
<b>Subtotal and Average</b>			<b>17,691,200.02</b>		<b>17,700,000.00</b>	<b>17,083,726.69</b>	<b>17,450,858.66</b>			<b>2.709</b>	<b>656</b>	

**QSA JPA - Fiscal Year 2023  
Portfolio Management  
Portfolio Details - Investments  
March 31, 2023**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	S&P	YTM	Days to Maturity	Maturity Date
<b>Treasury - Discount</b>												
912796YH6	20078	U.S. Treasury		09/09/2022	600,000.00	587,796.00	579,061.56		A-1	3.654	159	09/07/2023
<b>Subtotal and Average</b>			<b>579,061.56</b>		<b>600,000.00</b>	<b>587,796.00</b>	<b>579,061.56</b>			<b>3.654</b>	<b>159</b>	
<b>Supranationals</b>												
4581X0DM7	20011	Inter-American Devel Bank		06/08/2020	250,000.00	248,485.00	250,900.00	0.500	AAA	0.378	53	05/24/2023
4581X0DV7	20047	Inter-American Devel Bank		04/23/2021	300,000.00	273,822.00	299,826.00	0.875	AAA	0.887	1,115	04/20/2026
459058JB0	20012	Intl Bank Recon & Develop		06/08/2020	250,000.00	232,865.00	250,480.00	0.625	AAA	0.585	752	04/22/2025
459058JL8	20043	Intl Bank Recon & Develop		01/28/2021	500,000.00	457,860.00	500,320.00	0.500	AAA	0.486	941	10/28/2025
<b>Subtotal and Average</b>			<b>1,301,526.00</b>		<b>1,300,000.00</b>	<b>1,213,032.00</b>	<b>1,301,526.00</b>			<b>0.577</b>	<b>774</b>	
<b>Asset Backed Securities</b>												
02582J JV3	20081	AmEx Credit Acct Master Trust		11/14/2022	250,000.00	245,405.35	240,683.59	3.750		5.263	1,597	08/15/2027
3137BN6G4	20099	FreddieMac Structured Pass-Thr		01/30/2023	500,000.00	481,914.90	484,667.97	2.995		4.136	999	12/25/2025
3137BMTX4	20107	FreddieMac Structured Pass-Thr		02/15/2023	500,000.00	484,045.85	482,441.41	3.151		4.539	969	11/25/2025
362585AC5	20083	GM Financial		11/14/2022	250,000.00	242,032.98	240,283.20	3.100	AAA	5.245	1,417	02/16/2027
89232HAC9	20028	Toyota Auto Receivables		07/08/2020	19,352.48	19,298.61	19,778.84	1.660	AAA	0.463	410	05/15/2024
<b>Subtotal and Average</b>			<b>1,472,690.89</b>		<b>1,519,352.48</b>	<b>1,472,697.69</b>	<b>1,467,855.01</b>			<b>4.585</b>	<b>1,148</b>	
<b>Total and Average</b>			<b>87,138,508.52</b>		<b>87,045,914.40</b>	<b>85,689,006.80</b>	<b>86,698,903.65</b>			<b>3.747</b>	<b>363</b>	

*Unaudited*  
**QUANTIFICATION SETTLEMENT AGREEMENT  
JOINT POWERS AUTHORITY**

**BALANCE SHEET  
GENERAL FUND  
MARCH 31, 2023**

**Assets:**

Cash	\$ 10,106
Investments	85,538,599
Mitigation contributions receivable	6,417,747
Interest receivable	280,712

**Total assets** \$ 92,247,164

**Liabilities:**

Accounts payable	<u>\$ 10,473,965</u>
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**Deferred inflows of resources:**

Unavailable mitigation contributions	<u>6,417,747</u>
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**Fund balance:**

Unassigned	<u>75,355,452</u>
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**Total liabilities, deferred inflows of resources,  
and fund balance** \$ 92,247,164



*Unaudited*  
**QUANTIFICATION SETTLEMENT AGREEMENT  
 JOINT POWERS AUTHORITY**

**STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCE  
 GENERAL FUND  
 FOR THE NINE MONTHS ENDED MARCH 31, 2023**

**Revenues:**

Interest income	\$	1,817,890
Mitigation contributions		<u>52,682,997</u>
<b>Total revenues</b>		<b><u>54,500,887</u></b>

**Expenditures:**

Environmental mitigation		13,016,710
Administrative		<u>8,160</u>
<b>Total expenditures</b>		<b><u>13,024,870</u></b>

<b>Net changes in fund balance</b>		41,476,017
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<b>Fund balance at beginning of year</b>		<u>33,879,435</u>
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<b>Fund balance at end of year</b>	<b>\$</b>	<b><u><u>75,355,452</u></u></b>
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## Unaudited

**QUANTIFICATION SETTLEMENT AGREEMENT  
JOINT POWERS AUTHORITY**

**SUPPLEMENTARY INFORMATION - BUDGET STATUS REPORT  
FOR THE NINE MONTHS ENDED MARCH 31, 2023**

Task No.	Mitigation Tasks	Amended FY 2023 Budget	Total Expenditures	Variance (Remaining)	Percent Complete
1	QSA Implementation Team	\$ -	\$ -	\$ -	0.0%
2	QSA Implementation Team Biologists	1,197,060	946,897	250,163	79.1%
3	Environmental Reporting and Monitoring	560	-	560	0.0%
4	Salton Sea Salinity and Elevation Program	8,000	4,061	3,939	50.8%
5	Salton Sea Mitigation Water to Salton Sea	-	-	-	0.0%
6	Tamarisk Scrub Habitat - Surveys and Mitigation	74,920	34,607	40,313	46.2%
7	Drain Habitat - Initial Vegetation and Habitat Surveys	-	-	-	0.0%
8	Drain Habitat (Aquatic) - Create/Manage/Monitor "Managed Marsh" Areas	564,080	269,331	294,749	47.7%
8A	Reimbursement to IID for Appraised Value of Managed Marsh Land	9,685,748	9,182,030	503,718	94.8%
8B	Reimbursement to IID for Third-Party Appraiser	2,500	2,500	-	100.0%
9	Drain Habitat Restrictions/Requirements for Construction and Maintenance	-	-	-	0.0%
10/10A	Worker Education Program Covered Species Training and Manual	-	-	-	0.0%
11	Desert Habitat Survey and Mapping of Right of Way	-	-	-	0.0%
12	Desert Habitat Create/Maintain Desert Habitat	-	-	-	0.0%
13	Changes to Operations on IID Canals to Avoid Covered Species	-	-	-	0.0%
14	Burrowing Owl Worker Annual Education and Manual	-	-	-	0.0%
15	Pre-Construction Activity Burrowing Owl Surveys and Relocation	3,390	111	3,279	3.3%
16	Burrowing Owl Relative Abundance and Distribution Surveys	-	2,762	(2,762)	0.0%
17	Farmer and Public Education Program	7,600	3,855	3,745	50.7%
18	Desert Pupfish Abundance and Distribution Study	6,750	3,707	3,043	54.9%
19/19A	Pupfish Selenium Drain Studies	317,310	74,923	242,387	23.6%
20	Pupfish Construction and Maintenance Conservation Measures	257,500	4,596	252,904	1.8%
21	Salvage of Razorback Suckers when Dewatering Canals	-	-	-	0.0%
22	Maintain Habitat on Fallowed Parcels	-	-	-	0.0%
23	Covered Species Baseline and Monitoring Surveys	-	-	-	0.0%
24	Salton Sea Air Quality	12,822,120	2,474,190	10,347,930	19.3%
25	Minimize Dust Emissions from Fallowed Lands	-	-	-	0.0%
26	Drain Connectivity to Salton Sea Elevation Decrease	-	-	-	0.0%
27	Grade Spoil/Roads from Drain Maintenance	-	-	-	0.0%
28	Power Line Markers for Pumpback and Seepage Recovery Systems	-	-	-	0.0%
29	Prepare and Implement Management Plan for Abandoned Portions of AAC	-	-	-	0.0%
30	Southwestern Willow Flycatcher Surveys and Habitat Monitoring	-	-	-	0.0%
31	Elf Owl Surveys	-	-	-	0.0%
32	Desert Tortoise Survey and Avoidance	-	-	-	0.0%
33	Least Tern Surveys	-	-	-	0.0%
34	Rail and Bittern Surveys	-	-	-	0.0%
35	Management and Planning	-	-	-	0.0%
36	JPA Audit Fees	10,770	-	10,770	0.0%
37	JPA Bank Fees	3,090	187	2,903	6.1%
38	Financial Advisor	16,000	7,973	8,027	49.8%
39	Bond Counsel Fees	-	-	-	0.0%
40	2001 Biological Opinion Measures	-	-	-	0.0%
41	Brown Pelican Coast	-	-	-	0.0%
42	Brown Pelican Sea	55,920	-	55,920	0.0%
43	Salton Sea Shoreline Strand Study	-	-	-	0.0%
44	Pupfish Refugium	32,890	13,140	19,750	40.0%
45	Recreation Facilities at Salton Sea	-	-	-	0.0%
46	QSA JPA Website Maintenance Services	1,320	-	1,320	0.0%
<b>Total Expenditures</b>		<b>\$ 25,067,528</b>	<b>\$ 13,024,870</b>	<b>\$ 12,042,658</b>	<b>52.0%</b>



F  
Y 2024



# QSA JPA Fiscal Year 2024 Budget & Work Plan

*Proposed June 15, 2023*



**Quantification Settlement Agreement Joint Powers Authority**

4677 Overland Avenue, San Diego, CA 92123



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# QSA JPA FISCAL YEAR 2024 BUDGET

## SECTION 1: BACKGROUND

The Quantification Settlement Agreement Joint Powers Authority (QSA JPA) administers funding of environmental mitigation requirements related to the QSA water transfers. The QSA JPA collects, holds, invests, and disburses funds needed for the mitigation projects. The QSA JPA is comprised of designated representatives from the California Department of Fish and Wildlife (CDFW), Coachella Valley Water District (CVWD), Imperial Irrigation District (IID), and San Diego County Water Authority (Water Authority) that serve as Commissioners and staff.

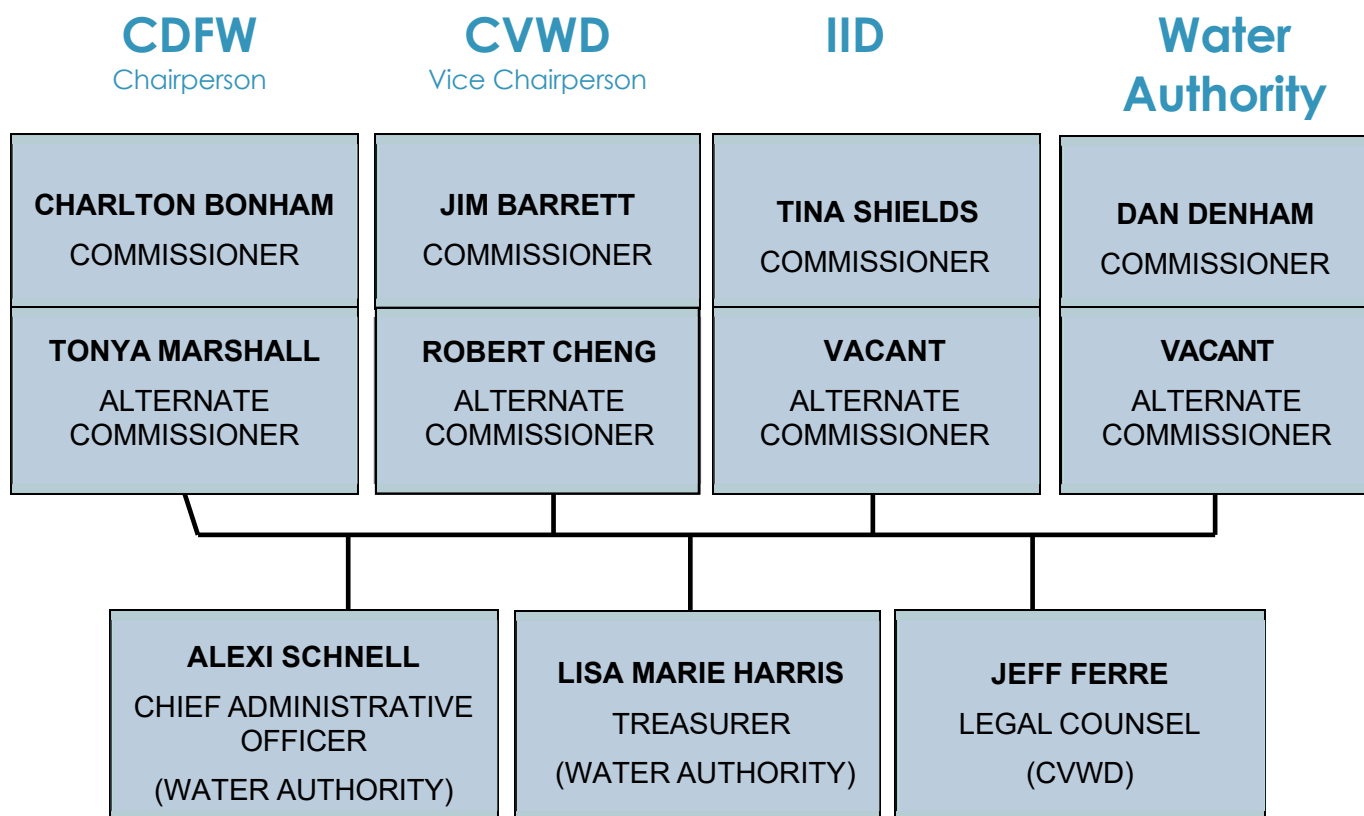


Figure 1. QSA JPA Organization Chart

CVWD, IID, and the Water Authority are required to provide up to \$133 million (in 2003 dollars) to pay for the QSA JPA mitigation program. Under the terms of the *Quantification Settlement Agreement Joint Powers Authority Creation and Funding Agreement* (JPA Agreement), the collective financial obligation of the water agencies is capped at \$133 million, and the State of California is responsible to pay for any QSA water transfer environmental mitigation costs that exceed \$133 million.

**SECTION 2: BUDGET OVERVIEW**

The QSA JPA Commission adopts an annual budget for the payment of environmental costs for QSA conserved water transfer mitigation projects in the Imperial Valley. The budget is developed by IID in coordination with the QSA Implementation Team (IT), which consists of CDFW, IID, and the U.S. Fish and Wildlife Service (USFWS). The annual budget provides revenues generated from agency contributions and interest earnings to meet anticipated fiscal year (FY) mitigation expenditures. Mitigation projects are implemented by IID under direction from the IT. Specific mitigation measures are implemented per environmental permitting requirements and involve various timeframes for completion. Detailed QSA JPA annual spending through FY 2022 by mitigation task is provided in Appendix 1.

The JPA Agreement provides a schedule of annual agency contributions that are due on December 31 of each calendar year. As a means of managing cash flow requirements for future mitigation activities, the JPA Agreement permits agencies to adjust their payment schedules by rescheduling future payments from outer years to the near term. Under the *Modification of Payment Schedules Pursuant to the QSA JPA Agreement (Advanced Funding Agreement)*, advanced payments by the agencies are due on July 1 and are discounted at six percent from the date of the scheduled payment to the date of the advance. The QSA JPA has advanced payments from the original JPA Agreement payment schedules to cover expected environmental mitigation expenses. In 2007, the water agencies modified their payment schedules to advance \$13.2 million in FYs 2007 and 2008 to cover mitigation requirements through 2013. In 2015, the Board of Directors (BOD) of the individual water agencies authorized advanced payments to the QSA JPA totaling \$40.5 million, consisting of \$10 million from the Water Authority, \$5 million from CVWD, and \$25.5 million from IID, scheduled over six years beginning in FY 2016. In 2022, IID’s BOD authorized a payoff of \$48.5 million for its remaining payments to the QSA JPA, consistent with the QSA JPA Agreement. The remaining payments per the 2015 Advanced Funding Agreement are shown in Table 1.

**Table 1. Water Agency Remaining Payment Schedule**

Year	CVWD		IID <sup>1</sup>		WATER AUTHORITY		TOTAL PAYMENTS	
	Due 12/31	Due 7/1	Due 12/31	Due 7/1	Due 12/31	Due 7/1	Calendar Year	Fiscal Year
2023	\$2,733,006				\$1,221,837		\$3,954,843	\$4,224,342
2024	\$151,876				\$1,345,439		\$1,497,315	\$3,954,843
2025	\$565,131				\$1,047,693		\$1,612,824	\$1,497,315
2026								\$1,612,824
<b>Total</b>	<b>\$3,450,013</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,614,969</b>	<b>\$0</b>	<b>\$7,064,982</b>	<b>\$11,289,324</b>

<sup>1</sup> The schedule has been modified to reflect IID’s September 29, 2022, early payoff (\$48.5 million) of its funding commitment to the QSA JPA.

### SECTION 3: REVIEW OF ACTIVITIES IN FY 2023 AND FY 2022

On June 6, 2022, the QSA JPA Commission adopted the FY 2023 budget in the amount of \$15,379,280. An amended FY 2023 budget of \$25,067,528 was later adopted on November 28, 2022, to reimburse IID for use of its property for Task 8 and for related third-party consultant costs. Table 2 shows the FY 2023 budgeted and projected spending by mitigation task, based on approved invoice totals to date and remaining fiscal year projections by IID. Major expenses in the FY 2023 budget include the Salton Sea Air Quality Mitigation Program (Task 24), reimbursement to IID for appraised value of Managed Marsh land (Task 8A), and the biologist team (Task 2).

**Table 2. Detailed FY 2023 Projected Expenditures**

TASK	TASK DESCRIPTION	BUDGETED FY 2023	PROJECTED FY 2023	BUDGET SAVINGS
2	QSA Implementation Team Biologists	\$ 1,197,060	\$ 1,197,060	\$ -
3	Environmental Reporting and Monitoring	\$ 560	\$ -	\$ (560)
4	Salton Sea Salinity and Elevation Program	\$ 8,000	\$ 5,000	\$ (3,000)
6	Tamarisk Scrub Habitat - Surveys and Mitigation	\$ 74,920	\$ 60,000	\$ (14,920)
8	Drain Habitat (Aquatic) - Create/Manage/Monitor "Managed Marsh" Areas	\$ 564,080	\$ 400,000	\$ (164,080)
8A	Reimbursement to IID for Appraised Value of Managed Marsh Land	\$ 9,685,748	\$ 9,182,030	\$ (503,718)
8B	Reimbursement to IID for Third-Party Appraiser	\$ 2,500	\$ 2,500	\$ -
15	Pre-Construction Activity Burrowing Owl Surveys and Relocation	\$ 3,390	\$ 1,000	\$ (2,390)
16	Burrowing Owl Relative Abundance & Distribution surveys	\$ -	\$ 2,762	\$ 2,762
17	Farmer and Public Education Program	\$ 7,600	\$ 5,636	\$ (1,964)
18	Desert Pupfish Abundance and Distribution Study	\$ 6,750	\$ 4,000	\$ (2,750)
19/19A	Pupfish Selenium Drain Studies	\$ 317,310	\$ 100,000	\$ (217,310)
20	Pupfish Construction and Maintenance Conservation Measures	\$ 257,500	\$ 5,000	\$ (252,500)
24	Salton Sea Air Quality	\$ 12,822,120	\$ 5,000,000	\$ (7,822,120)
36	JPA Audit Fees	\$ 10,770	\$ 10,770	\$ -
37	JPA Bank Fees	\$ 3,090	\$ 3,090	\$ -
38	Financial Advisor	\$ 16,000	\$ 16,000	\$ -
42	Brown Pelican - Sea	\$ 55,920	\$ -	\$ (55,920)
44	Pupfish Refugium	\$ 32,890	\$ 13,500	\$ (19,390)
46	QSA JPA Website	\$ 1,320	\$ -	\$ (1,320)
	<b>Total<sup>2</sup></b>	<b>\$ 25,067,528</b>	<b>\$ 16,008,348</b>	<b>\$ (9,059,180)</b>

<sup>2</sup> May not foot due to rounding.

The projected budget savings and delayed expenditures for FY 2023 of \$9,059,180 is mostly due to the deferral of items under the Salton Sea Air Quality Mitigation Program (Task 24) and savings on the reimbursement cost to IID for use of Managed Marsh property under Task 8A. Table 3 summarizes the FY 2023 budget projections.

**Table 3. FY 2023 Budget Summary<sup>3</sup>**

<b>FY 2023 BUDGET</b>	<b>PROJECTED FY 2023 EXPENDITURES</b>	<b>PROJECTED FY 2023 SAVINGS/DELAYS</b>
\$ 25,067,528	\$ 16,008,348	\$ 9,059,180

On November 28, 2022, the QSA JPA Commission accepted an audit of its basic financial statements by Davis Farr Certified Public Accountants for fiscal years ending June 30, 2022, and 2021. Audited FY 2022 environmental mitigation expenditures totaled \$6,086,015, as depicted in Appendix 1. Based upon the audited cash balance of \$33,879,122 at the end of FY 2022, FY 2023 projected agency contributions and interest earnings of \$54,713,376, and projected FY 2023 budget spending of \$16,008,348, the QSA JPA expects to have a positive cash balance of \$72,584,463 at the end of FY 2023 (Table 4).

**Table 4. FY 2023 Projected Fund Balance**

<b>DESCRIPTION</b>		<b>CASH FLOW</b>
FY 2022 Audited Fund Balance (6-30-22)		\$33,879,435
Sources	Mitigation Contributions	\$52,682,997
	Interest Income	\$2,030,379
		<b>\$54,713,376</b>
Uses	Environmental Mitigation	<b>\$(16,008,348)</b>
FY 2023 Projected Fund Balance (6-30-23)		<b>\$72,584,463</b>

<sup>3</sup> May not foot due to rounding.



**SECTION 4: FY 2024 BUDGET**

The FY 2023 budget provides projected revenues of \$54,713,376 to meet anticipated expenditures from July 1, 2022, through June 30, 2023, of \$16,008,348, resulting in a net gain of \$38,705,028 from the previous fiscal year. FY 2024 will begin with the projected year-end FY 2023 fund balance of \$72,584,463.

Information summarizing the FY 2024 budget is presented in Tables 5 and 6. Table 5 provides the agency contributions for FY 2024 per the 2015 Advanced Funding Agreement for CVWD and the Water Authority and reflects the September 2022 pay-off of contributions made by IID. Also provided in Table 5 are funding contributions by agency through FY 2023.

**Table 5. Summary of Mitigation Contributions by Water Agency**

AGENCY	CONTRIBUTIONS THROUGH FY 2023	FY 2024 CONTRIBUTIONS
CVWD	\$63,475,929	\$2,733,006
IID	\$104,058,578	\$ -
Water Authority <sup>4</sup>	\$87,422,891	\$1,221,837
<b>Total Agency Contributions</b>	<b>\$254,957,398</b>	<b>\$3,954,843</b>

Revenue sources for FY 2024 include agency contributions from CVWD and the Water Authority of \$3,954,843 and interest income estimated at \$1,815,000. Projected spending in FY 2024 is \$12,002,330 for environmental mitigation, shown by mitigation task in Table 7. Based upon the projected cash balance of \$72,584,463 at the end of FY 2023, FY 2024 combined revenue sources of \$5,769,843, and projected FY 2023 budget spending of \$12,002,330, the QSA JPA expects to have a positive cash balance of \$66,351,976 at the end of FY 2024 (Table 6). Projected uses exceed sources, indicating a decrease of \$6,232,487 in cash reserves for FY 2024.

**Table 6. FY 2024 Projected Fund Balance**

DESCRIPTION		CASH FLOW	
FY 2023 Projected Cash Balance (6-30-23)		\$72,584,463	
Sources	Mitigation Contributions	\$3,954,843	\$5,769,843
	Interest Income	\$1,815,000	
Uses	Environmental Mitigation	<b>\$(12,002,330)</b>	
FY 2024 Projected Cash Balance (6-30-24)		\$66,351,976	

<sup>4</sup> Water Authority contributions have been reduced by credits for payments made to the U.S. Bureau of Reclamation for implementation of Conservation and Mitigation Measures for the Colorado River.

Table 7. Detailed FY 2024 Projected Expenditures

TASK	TASK DESCRIPTION	FY 2024 BUDGET
1	QSA Implementation Team	\$ -
2	QSA Implementation Team Biologists	\$ 1,355,620
3	Environmental Reporting and Monitoring	\$ -
4	Salton Sea Salinity and Elevation Program	\$ 8,000
5	Salton Sea Mitigation Water to Salton Sea	\$ -
6	Tamarisk Scrub Habitat – Surveys and Mitigation	\$ 61,810
7	Drain Habitat - Initial Vegetation and Habitat Surveys	\$ -
8/8A/8B	Drain Habitat (Aquatic) - Create/Manage/Monitor "Managed Marsh" Areas	\$ 561,580
9	Drain Habitat Restrictions/Requirements for Construction and Maintenance	\$ -
10/10A	Worker Education Program Covered Species Training and Manual	\$ -
11	Desert Habitat Survey and Mapping of Right of Way	\$ -
12	Desert Habitat Create/Maintain Desert Habitat	\$ -
13	Changes to Operations on IID Canals to Avoid Covered Species	\$ -
14	Burrowing Owl Worker Annual Education and Manual	\$ -
15	Pre-Construction Activity Burrowing Owl Surveys and Relocation	\$ 1,500
16	Burrowing Owl Relative Abundance and Distribution Surveys	\$ -
17	Farmer and Public Education Program	\$ 5,000
18	Desert Pupfish Abundance and Distribution Study	\$ 6,750
19/19A	Pupfish Selenium Drain Studies	\$ 183,140
20	Pupfish Construction and Maintenance Conservation Measures	\$ 100,000
21	Salvage of Razorback Suckers when Dewatering Canals	\$ -
22	Maintain Habitat on Fallowed Parcels	\$ -
23	Covered Species Baseline and Monitoring Surveys	\$ 3,280
24	Salton Sea Air Quality	\$ 9,613,060
25	Minimize Dust Emissions from Fallowed Lands	\$ -
26	Drain Connectivity to Salton Sea Elevation Decrease	\$ -
27	Grade Spoil/Roads from Drain Maintenance	\$ -
28	Power Line Markers for Pumpback and Seepage Recovery Systems	\$ -
29	Prepare and Implement Management Plan for Abandoned Portions of AAC	\$ -
30	Southwestern Willow Flycatcher Surveys and Habitat Monitoring	\$ -
31	Elf Owl Surveys	\$ -
32	Desert Tortoise Survey and Avoidance	\$ -
33	Least Tern Surveys	\$ -
34	Rail and Bittern Surveys	\$ -
35	Management and Planning	\$ -
36	JPA Audit Fees	\$ 12,920
37	JPA Bank Fees	\$ 3,090
38	Financial Advisor	\$ 18,000
39	Bond Counsel Fees	\$ -
40	2001 Biological Opinion Measures	\$ -
41	Brown Pelican Coast	\$ -
42	Brown Pelican Sea	\$ 55,920
43	Salton Sea Shoreline Strand Study	\$ -
44	Pupfish Refugium	\$ 12,660
45	Recreation Facilities at Salton Sea	\$ -
46	QSA JPA Website Maintenance Services	\$ -
<b>Total</b>		<b>\$ 12,002,330</b>

**SECTION 5: FY 2024 WORK PLAN**

The FY 2024 budget totaling \$12,002,330 includes environmental mitigation activities for compliance with environmental permits and regulatory requirements. A detailed breakdown of anticipated expenditures by task is provided in Table 7. Mitigation measures are implemented consistent with environmental permit requirements of the QSA conserved water transfers. Major expenditure categories for mitigation measures to be implemented in FY 2023 are shown in Table 8 and include: the Salton Sea Air Quality Mitigation Program (Task 24), the biologist team (Task 2), and the Managed Marsh Areas (Task 8).

**Table 8. Major Expenditures in FY 2024**

TASK	TASK DESCRIPTION	FY 2024 BUDGET	PERCENT OF TOTAL BUDGET
24	Salton Sea Air Quality	\$ 9,613,060	80%
2	QSA Implementation Team Biologists	\$ 1,355,620	11%
8	Drain Habitat (Aquatic) – Create, Manage, Monitor "Managed Marsh" Areas	\$ 561,580	5%
--	Other Tasks	\$ 472,070	4%
<b>Total</b>		<b>\$ 12,002,330</b>	<b>100%</b>

Implementation of the Salton Sea Air Quality Mitigation Program (Task 24) is the largest budgeted expenditure for FY 2024 totaling \$9,613,060 or 80 percent of the total FY 2024 budget. Air quality mitigation includes annual emissions inventory, air quality network operations and maintenance, proactive dust control planning, groundwater development, air quality mitigation planning, and restricting public access to the Salton Sea playa. Expenditures for FY 2024 include groundwater development at Bombay Beach.

The QSA IT Biologists (Task 2) is the second largest budgeted expenditure making up \$1,355,620 or 11 percent of the total budget. This item includes funding for nine full-time staff and expenses for their fleet of vehicles.

The Managed Marsh Areas (Task 8) is the third largest budgeted expenditure totaling \$561,580 or five percent of the total FY 2024 budget. Expenditures for FY 2024 include operations and maintenance of the existing marsh (all three phases).

Other tasks make up the remaining four percent of the FY 2024 expenditures totaling \$472,070.

The budget also includes reimbursements to the Water Authority for designated financial costs such as bank fees, audit fees, and financial consultants (investment management). Audited historical spending by task is included as Appendix 1. Detailed summaries for individual mitigation measures by task, including a detailed breakdown of FY 2024 expenditures and planned and completed work, are included in Appendix 2.

## Appendix 1 – Audited Historical QSA JPA Spending, FY 2004 - FY 2022

Task	Task Description	Total FY 2004-2022	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015	FY 2004-2014
1	QSA Implementation Team	\$383,879									\$383,879
2	QSA Implementation Team Biologists	\$9,606,323	\$920,524	\$982,168	\$910,337	\$1,081,358	\$1,026,602	\$769,055	\$613,942	\$505,547	\$2,796,790
3	Environmental Reporting and Monitoring	\$82,458									\$82,458
4	Salton Sea Salinity and Elevation Program	\$45,386	\$15,326	\$8,447	\$4,129	\$4,895	\$7,100				\$5,489
5	Salton Sea Mitigation Water to Salton Sea	\$96,666,141			\$7,043,618	\$34,142	\$9,851,798	\$18,412,449	\$17,483,767	\$11,607,035	\$32,233,332
6	Tamarisk Scrub Habitat - Surveys and Mitigation	\$22,154	\$7,678		\$4,928						\$9,548
7	Drain Habitat - Initial Vegetation and Habitat Surveys	\$209,123									\$209,123
8	Drain Habitat (Aquatic) - Create/Manage/Monitor "Managed Marsh" Areas	\$17,002,205	\$403,912	\$2,615,125	\$2,206,448	\$1,911,610	\$439,409	\$297,032	\$389,963	\$2,787,567	\$5,951,139
9	Drain Habitat Restrictions/Requirements for Construction and Maintenance	\$8,473									\$8,473
10/10a	Worker Education Program Covered Species Training and Manual	\$35,302									\$35,302
11	Desert Habitat Survey and Mapping of Right of Way	\$379,191									\$379,191
12	Desert Habitat Create/Maintain Desert Habitat	\$17,300									\$17,300

Appendix 1 – Audited Historical QSA JPA Spending, FY 2004 - FY 2022

Task	Task Description	Total FY 2004-2022	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015	FY 2004-2014
13	Changes to Operations on IID Canals to Avoid Covered Species	\$0									\$0
14	Burrowing Owl Worker Annual Education and Manual	\$10,411									\$10,411
15	Pre-Construction Activity Burrowing Owl Surveys and Relocation	\$927,555	\$3,933				\$7,164	\$1,540	\$6,765		\$908,153
16	Burrowing Owl Relative Abundance and Distribution Surveys	\$3,516,853		\$46,155	\$206,984	\$224,314		\$20,000	\$59,509	\$28,172	\$2,931,719
17	Farmer and Public Education Program	\$18,248	\$2,493	\$1,600	\$2,437	\$2,150	\$1,600	\$935	\$1,416	\$1,435	\$4,182
18	Desert Pupfish Abundance and Distribution Study	\$75,202	(\$17,165)	\$60,307	\$17,653	\$116	\$8		\$24		\$14,259
19	Pupfish Selenium Drain Studies	\$2,519,974	\$58,234	\$167,559	\$118,586	\$157,978	\$36,468	\$66,650		\$1,482	\$1,913,017
20	Pupfish Construction and Maintenance Conservation Measures	\$246,879	\$65,382	\$4,273	\$4,234	\$124,105	\$11,653	\$504			\$36,728
21	Salvage of Razorback Suckers when Dewatering Canals	\$9,534									\$9,534
22	Maintain Habitat on Fallowed Parcels	\$0									\$0
23	Covered Species Baseline and Monitoring Surveys <sup>1</sup>	\$5,395,188					\$800	\$947	\$17,000	\$62	\$5,376,379
24	Salton Sea Air Quality	\$32,991,027	\$4,588,075	\$5,478,183	\$4,553,484	\$4,024,938	\$3,483,968	\$3,809,309	\$2,797,387	\$601,399	\$3,654,284

<sup>1</sup> Includes Avian Studies from FY 2006, 2007, and 2008.

## Appendix 1 – Audited Historical QSA JPA Spending, FY 2004 - FY 2022

Task	Task Description	Total FY 2004-2022	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015	FY 2004-2014
25	Minimize Dust Emissions from Fallowed Lands	\$57,775									\$57,775
26	Drain Connectivity to Salton Sea Elevation Decrease	\$0									\$0
27	Grade Spoil/Roads from Drain Maintenance	\$0									\$0
28	Power Line Markers for Pumpback and Seepage Recovery Systems	\$1,960									\$1,960
29	Prepare and Implement Management Plan for Abandoned Portions of AAC	\$0									\$0
30	Southwestern Willow Flycatcher Surveys and Habitat Monitoring <sup>2</sup>	\$62,938									\$62,938
31	Elf Owl Surveys	\$0									\$0
32	Desert Tortoise Survey and Avoidance	\$0									\$0
33	Least Tern Surveys	\$0									\$0
34	Rail and Bittern Surveys	\$0									\$0
35	Management and Planning	\$336,979					\$1,367	\$9,354	\$4,190	\$3,229	\$318,839
36	JPA Audit Fees	\$179,518	\$10,560	\$10,770	\$10,560	\$10,350	\$10,350	\$10,350	\$12,147	\$11,911	\$92,520

<sup>2</sup> Includes Task 46 from previous years.

## Appendix 1 – Audited Historical QSA JPA Spending, FY 2004 - FY 2022

Task	Task Description	Total FY 2004-2022	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015	FY 2004-2014
37	JPA Bank Fees	\$33,417	\$1,776	\$2,082	\$2,495	\$1,405	\$1,526	\$1,584	\$1,609	\$1,678	\$19,262
38	Financial Advisor	\$51,294	\$12,567	\$9,230							\$29,497
39	Bond Counsel Fees	\$25,000									\$25,000
40	2001 Biological Opinion Measures	\$3,349,126									\$3,349,126
41	Brown Pelican Coast	\$0									\$0
42	Brown Pelican Sea	\$5,517	\$329	\$4,017	\$1,171						\$0
43	Salton Sea Shoreline Strand Study	\$0									\$0
44	Pupfish Refugium	\$66,866	\$3,051			\$3,174			\$1,840	\$21,284	\$37,517
45	Recreation Facilities at Salton Sea	\$22,603				\$3,911	\$10,999	\$6,565		\$1,128	\$0
46	QSA JPA Website	\$9,340	\$9,340								\$0
<b>Total</b>		<b>\$174,371,139</b>	<b>\$6,086,015</b>	<b>\$9,389,916</b>	<b>\$15,087,064</b>	<b>\$7,584,446</b>	<b>\$14,890,812</b>	<b>\$23,406,274</b>	<b>\$21,389,559</b>	<b>\$15,571,929</b>	<b>\$60,965,124</b>
<b>Biological Opinion Measures Credited to Water Authority</b>		<b>\$3,349,126</b>									<b>\$3,349,126</b>
<b>Total JPA Expenditures</b>		<b>\$171,022,013</b>	<b>\$6,086,015</b>	<b>\$9,389,916</b>	<b>\$15,087,064</b>	<b>\$7,584,446</b>	<b>\$14,890,812</b>	<b>\$23,406,274</b>	<b>\$21,389,559</b>	<b>\$15,571,929</b>	<b>\$57,615,998</b>

Appendix 2 – Work Plan by Mitigation Task

**Work Task 1: QSA Implementation Team**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$383,879

**Description and Purpose:** The Quantification Settlement Agreement (QSA) Implementation Team (IT) is to hold quarterly IT meetings consisting of representatives from Imperial Irrigation District (IID), U.S. Fish and Wildlife Service (USFWS), and California Department of Fish and Wildlife (CDFW), to guide implementation of the Habitat Conservation Plan (HCP) and In-Valley California Endangered Species Act (CESA) Permit for the duration of the HCP and CESA Permit.

**Permit Reference:** HCP; CESA Permit 4(a)(ii) and MMRP 8

**Accomplishments Through FY 2022:** Held quarterly implementation team meetings and review annual budget.

**FY 2023 Activities:** Quarterly implementation team meetings were held virtually at no cost to the QSA JPA.

**Proposed FY 2024 Activities:** No expense to the QSA JPA is expected for this item due to quarterly implementation team meetings being held virtually.



## Appendix 2 – Work Plan by Mitigation Task

**Work Task 2: QSA Implementation Team Biologists**

<b>PROPOSED FY 2024</b>	<b>PROJECTED FY 2023</b>	<b>BUDGETED FY 2023</b>	<b>SPENT THROUGH FY 2022</b>
\$1,355,620	\$1,197,060	\$1,197,060	\$9,606,323

**Description and Purpose:** Salary and expenses for IT Biologists.

**Permit Reference:** HCP, General 1; CESA Permit 4(a)(i) and MMRP 7

**Accomplishments Through FY 2022:** Cover environmental mitigation staff expenses.

**FY 2023 Activities:** Fund environmental mitigation staff and vehicles.

**Proposed FY 2024 Activities:** Continue to fund environmental mitigation staff and vehicles.

### Work Task 3: Environmental Reporting and Monitoring

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$560	\$82,458

**Description and Purpose:** Report annually to USFWS and CDFW the amount of water conserved, transferred, and allowed to flow to the Salton Sea.

Make available to USFWS and CDFW valley-wide statistics regarding agricultural production and implementation of water conservation measures, including total acreage in agricultural production in the IID water service area, acres of each crop grown, acres of land fallowed, acres of participating farms, and total amount of water conserved and transferred.

Submit annual report to SWRCB on actions taken to comply with the mitigation measures and conservation strategies included in the Final EIR/EIS and HCP and all other state and federal permits and regulatory requirements.

Prepare Adaptive Management Plan for monitoring effectiveness of mitigation measures. Submit reports of the previous year's activities to USFWS, CDFW and SWRCB including details of fish and wildlife conservation actions implemented, monitoring/surveying activities, and water conservation activities.

**Permit Reference:** HCP Chp 4; In-Valley Biological Opinion, TC Reporting Requirements; CESA Permit Conditions of Approval, General Conditions (a) and (b) and MMRPs; SWRCB Section 4

**Accomplishments Through FY 2022:** Annual report sent by March 31 of each year for the previous calendar year.

**FY 2023 Activities:** Funds budgeted for printing and shipping costs for annual reports but no costs were incurred by QSA JPA.

**Proposed FY 2024 Activities:** No expense expected for this item due to annual reports being submitted electronically and posted on IID's website.

## Appendix 2 – Work Plan by Mitigation Task

**Work Task 4: Salton Sea Salinity and Elevation Program**

<b>PROPOSED FY 2024</b>	<b>PROJECTED FY 2023</b>	<b>BUDGETED FY 2023</b>	<b>SPENT THROUGH FY 2022</b>
\$8,000	\$5,000	\$8,000	\$45,386

**Description and Purpose:** To demonstrate compliance with the Salton Sea Habitat Conservation Strategy, monitor salinity and elevation of the Salton Sea.

**Permit Reference:** SWRCB-6; CESA Permit MMRP 40

**Accomplishments Through FY 2022:** Completed annual selenium monitoring.

**FY 2023 Activities:** Continued selenium analysis at the Salton Sea.

**Proposed FY 2024 Activities:** Continue selenium analysis at the Salton Sea including airboat and monitoring equipment expenses.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 5: Salton Sea Mitigation Water to Salton Sea**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$96,666,141

**Description and Purpose:** To implement refined Salton Sea Habitat Conservation Strategy (SSHCS), which requires provision of mitigation water to the Salton Sea for the first 15 years of the project to mitigate reductions in inflow due to the transfer of water to the Water Authority.

Mitigation water will be delivered in accordance with the schedule in Table 1-3 of the 9/03 Addendum.

**Permit Reference:** SWRCB CESA Permit 4(c)(i) and MMRP13

**Accomplishments Through FY 2022:**

Delivered 46,546 AF of mitigation water to the Salton Sea to resolve 2010 pre-delivery payback in FY 2020. Mitigation task is complete.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 6: Tamarisk Scrub Habitat - Surveys and Mitigation

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$61,810	\$60,000	\$74,920	\$22,154

**Description and Purpose:** To develop preconstruction survey checklists and protocols in consultation with the IT, to identify proposed construction and impacted vegetation and covered species. Specific survey protocol will be developed to monitor and quantify changes in the amount/quality of habitat in consultation with USFWS and CDFW.

Includes the evaluation of all potential cottonwood-willow and tamarisk stands for Southwestern Willow Flycatcher breeding habitat suitability, prior to IID water conservation activities that could impact tamarisk habitat.

**Permit Reference:** HCP-TREE 1-3; In-Valley Biological Opinion, Willow Flycatcher Measures 1 to 4; CESA Permit 4(f) and MMRP 21-27, 29-36, 41, 42

**Accomplishments Through FY 2022:** Managed Marsh Complex native tree habitat in buffer zones installed.

**FY 2023 Activities:** Conducted operation and maintenance of native tree habitat.

**Proposed FY 2024 Activities:** Continue operation and maintenance of native tree habitat including repairs to flood irrigation, invasive species control, and supplemental planting.

### Work Task 7: Drain Habitat - Initial Vegetation and Habitat Surveys

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$209,123

**Description and Purpose:** To complete drain vegetation database, conduct covered species baseline surveys as necessary, and participate in a comprehensive planning process to address selenium impacts. Includes the evaluation of all potential cottonwood-willow and tamarisk stands for southwestern willow flycatcher breeding habitat suitability, based on characterizations provided in the draft Southwestern Willow Flycatcher Recovery Plan.

**Permit Reference:** HCP, Drain Habitat 1; In-Valley Biological Opinion Willow Flycatcher Measures 1 to 4; CESA Permit, 4(g) and MMRPs

**Accomplishments Through FY 2022:** Completed baseline drain survey.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 8: Drain Habitat (Aquatic) - Create/Manage/Monitor "Managed Marsh" Areas**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$561,580	\$400,000	\$564,080	\$17,002,205

**Description and Purpose:** To create 959 acres of managed marsh habitat over a 15 year period, 1/3 of the total within the first five years. The specific amount will be determined by the IT, and approved by USFWS and CDFW, based upon the drain vegetation survey (an amount equal to the total amount of habitat in the drains), as well as the acreage required to compensate for selenium effects. Due diligence will be conducted on land chosen for Managed Marsh and land will be purchased for managed marsh.

**Permit Reference:** HCP Drain Habitat; In-Valley Biological Opinion-Rail CM 1-2; CESA 4(g)(i) and MMRP 45, 46, 47, 88, 101, 102, 103

**Accomplishments Through FY 2022:** Phase I built in 2009 - 365 acres. Phase II built in 2014 - 360 acres. Phase III design and construction completed. Buffer zones double as native tree habitat for construction projects.

**FY 2023 Activities:** Conducted operation & maintenance (O&M) of Phases I, II, and III of Managed Marsh Complex.

**Proposed FY 2024 Activities:** Continue O&M of Managed Marsh Complex Phases I, II, and III.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 8A: Reimbursement to IID for Appraised Value of Managed Marsh Land**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$9,182,030	\$9,685,748	\$ -

**Description and Purpose:** Reimburse IID for the appraised value of the land underlying the Managed Marsh Areas (Task 8).

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** Reimbursed IID for the use of its land for the Managed Marsh.

**Proposed FY 2024 Activities:** N/A.



Appendix 2 – Work Plan by Mitigation Task

**Work Task 8B: Reimbursement to IID for Third-Party Appraiser**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$2,500	\$2,500	\$ -

**Description and Purpose:** Reimburse IID for direct costs incurred by hiring a third-party appraiser (contractor) to determine the value of the land underlying the Managed Marsh Areas (Task 8).

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** Reimbursed IID for its third-party appraiser.

**Proposed FY 2024 Activities:** N/A.

### Work Task 9: Drain Habitat Restrictions/Requirements for Construction and Maintenance

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$8,473

**Description and Purpose:** To implement the listed measures when conducting scheduled construction activities within rights-of-way along the AAC, East Highline, and portions of the Westside Main, Thistle, and Trifolium Extension Canals containing desert habitat (these measures may be modified during the permit term with the approval of USFWS and CDFW or based on survey results or adaptive management).

**Permit Reference:** HCP-Drain 3; CESA Permit 4(f)(i, ii, iii, and ix), 4(g), 4(i)(iv) and MMRP 36, 49, 50, 70, 71, 76, 77, 89

**Accomplishments Through FY 2022:** Completed pre-construction surveys for construction activities.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 10/10A: Worker Education Program Covered Species Training and Manual

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$35,302

**Description and Purpose:** To implement an annual worker education program for workers conducting O&M and construction activities to ensure compliance with the Desert Habitat Conservation Strategy. A worker education manual is to be prepared with the concurrence of USFWS and CDFW; copies are to be distributed to each person conducting O&M activities along the AAC, East Highline, Westside Main, Thistle, or Trifolium canals.

Includes review of worker education manual, updates as appropriate, and distribution to workers; copies are to be given to USFWS and CDFW. Workers' compliance is to be monitored with worker education manual procedures, and any infractions will be reported by the IT Biologist to the worker's supervisor.

**Permit Reference:** HCP-Desert 1; CESA Permit 4(i) MMRP 58, 59, and 60

**Accomplishments Through FY 2022:** Annual worker education trainings conducted at the beginning of each calendar year and then an additional training mid-year for new employees.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A. Transitioned to online video training. No expense planned this year.

## Appendix 2 – Work Plan by Mitigation Task

**Work Task 11: Desert Habitat Survey and Mapping of Right of Way**

<b>PROPOSED FY 2024</b>	<b>PROJECTED FY 2023</b>	<b>BUDGETED FY 2023</b>	<b>SPENT THROUGH FY 2022</b>
\$ -	\$ -	\$ -	\$379,191

**Description and Purpose:** To conduct a desert habitat survey encompassing IID's rights-of-way along the AAC (from the intersection with the East Highline Canal to the desilting basins at Imperial Dam) and the Westside Main, East Highline, Thistle, and Trifolium Extension Canals where the rights-of-way contain or are adjacent to desert habitat. Includes Identifying and mapping habitat and habitat features. A report of the results of the desert habitat survey is to be reported to USFWS and CDFW. The worker education manual will be updated to include a habitat map and map(s) of known locations of each of the covered species within the canal rights-of-way.

**Permit Reference:** HCP DH 4; CESA Permit 4(i)(v) MMRP 64

**Accomplishments Through FY 2022:** Habitat survey conducted as part of initial habitat mapping at the beginning of the QSA.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 12: Desert Habitat Create/Maintain Desert Habitat**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$17,300

**Description and Purpose:** To determine the amount of habitat lost, and work with the IT to identify a replacement property (in a 1:1 ratio to the lost acreage) to be acquired or covered with a conservation easement if desert habitat used by covered species would be permanently lost due to O&M or construction activities. IID may not permanently remove more than 100 acres of desert habitat and/or tamarisk scrub habitat over the permit term.

**Permit Reference:** HCP-DH 5; CESA Permit 4(i)(vi) and MMRP 66, 67, 68

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 13: Changes to Operations on IID Canals to Avoid Covered Species

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To implement the listed "interim" practices in connection with O&M activities. These measures may be modified during the permit term based upon survey results or adaptive management.

**Permit Reference:** HCP, Desert 2; CESA Permit, Conditions 4(i)(iii), 4(i)(vii) to (xiv) and MMRP 50, 60, 62, 63, 70, 71, 76 and 77

**Accomplishments Through FY 2022:** No major modifications to operations & maintenance activities to date.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 14: Burrowing Owl Worker Annual Education and Manual

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$10,411

**Description and Purpose:** To develop and implement an annual worker education program to ensure workers are familiar with Burrowing Owl mitigation measures. Also to ensure new workers are informed of and understand the HCP requirements. A worker education manual is to be prepared and distributed to each person conducting drain cleaning or canal maintenance procedures and refresher instruction is to be conducted. Copies of the manual are to be provided to USFWS and CDFW and approval of the workers' manual from USFWS and CDFW must be obtained. The IT Biologist will conduct random checks of workers to ensure compliance with the HCP.

**Permit Reference:** HCP, Owl 1

**Accomplishments Through FY 2022:** The Burrowing Owl Worker Education and Manual have been combined with Task 10/10A: Worker Education Program to conduct one annual worker education program. All Water Department O&M and construction workers are trained in January of each year. Zanjeros and water patrolmen are trained in February/March of each year. A mid-year make up training is conducted for anyone who missed trainings at the beginning of the year or who have been hired since trainings occurred.

**FY 2023 Activities:** Annual education program rolled into Task 10/10A.

**Proposed FY 2024 Activities:** Annual education program rolled into Task 10/10A.

## Appendix 2 – Work Plan by Mitigation Task

## Work Task 15: Pre-Construction Activity Burrowing Owl Surveys and Relocation

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$1,500	\$1,000	\$3,390	\$927,555

**Description and Purpose:** To implement the following in connection with construction and O&M activities:

- Conduct visual inspection of banks and indicate location of burrows; avoid collapsing or filling burrows, exercise care in removing sediment, and avoid moving the excavator bucket directly over a burrow.
- Develop standard operating procedures through teamwork of IT biologist and maintenance workers for drain/canal cleaning.

**Permit Reference:** HCP-Owl 2-8

**Accomplishments Through FY 2022:** Annual inspections of canals and drains prior to all operations and maintenance activities.

**FY 2023 Activities:** Conducted annual inspections of canals and drains for burrows prior to all operations and maintenance activities.

**Proposed FY 2024 Activities:** Continue annual inspections of canals and drains for burrows prior to all operations and maintenance activities.



### Work Task 16: Burrowing Owl Relative Abundance and Distribution Surveys

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$2,762	\$ -	\$3,516,853

**Description and Purpose:** To prepare and conduct a study design for a relative abundance and distribution survey of burrowing owls (BUOW) in the HCP area; prepare in consultation with a statistician; obtain IT approval of the study design.

**Permit Reference:** HCP, Owl 7

**Accomplishments Through FY 2022:** Population studies conducted in 2007/2008. Sub-sampling conducted in 2011/2012. "Efficacy study" on burrowing owl marking protocol in 2015/2016. Two-year subsampling effort in 2019 and 2020.

**FY 2023 Activities:** Unexpected charge for materials related this task.

**Proposed FY 2024 Activities:** N/A. No surveys planned.

## Appendix 2 – Work Plan by Mitigation Task

**Work Task 17: Farmer and Public Education Program**

<b>PROPOSED FY 2024</b>	<b>PROJECTED FY 2023</b>	<b>BUDGETED FY 2023</b>	<b>SPENT THROUGH FY 2022</b>
\$5,000	\$5,636	\$7,600	\$18,248

**Description and Purpose:** To implement a farmer and public education program on burrowing owls; periodically include information on burrowing owls in water bills to farmers.

**Permit Reference:** HCP, Owl 9

**Accomplishments Through FY 2022:** Design an advertisement and public outreach presentations to various groups.

**FY 2023 Activities:** Provided public outreach presentations and engaged with school-age students to design local magazine advertisements for burrowing owls.

**Proposed FY 2024 Activities:** Continue public outreach presentations, design an ad, etc.

### Work Task 18: Desert Pupfish Abundance and Distribution Study

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$6,750	\$4,000	\$6,750	\$75,202

**Description and Purpose:** To develop in coordination with the IT a protocol for monitoring pupfish presence in drains currently maintained, and in drain channels constructed, to increase the amount of potential pupfish drain habitat under Pupfish 3.

**Permit Reference:** HCP, Pupfish 4; In-Valley Biological Opinion, Pupfish CM 3; CESA Permit

**Accomplishments Through FY 2022:** Desert pupfish distribution monitoring protocol, purchasing of equipment, and implementation to date. IID environmental mitigation staff trained to survey for pupfish within drains around the Salton Sea.

**FY 2023 Activities:** Conducted pupfish distribution surveys.

**Proposed FY 2024 Activities:** IID staff will monitor pupfish within IID drains at the Salton Sea.

### Work Task 19/19A: Pupfish Selenium Drain Studies

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$183,140	\$100,000	\$317,310	\$2,519,974

**Description and Purpose:** To operate and maintain drains in a manner that minimizes the effects of water conservation on water quality. To implement the selenium drain monitoring study. To work together with the IT to determine the best means for managing the drain channels to minimize potential selenium effects on pupfish, based upon the findings of studies conducted by USFWS or others and continue funding of the Selenium Toxicity Study.

**Permit Reference:** HCP-Pupfish 4; CESA Permit Conditions 4(j)(ii), 4(j)(vi), 4(j)(vii), 4(j)(x); MMRP 80, 81, 87, 94; In-Valley Biological Opinion; SWRCB Order

**Accomplishments Through FY 2022:** USGS Selenium Study completed in 2009. Recommendations from USGS study used to create Selenium Work Plan for the RWQCB Ag Waiver completed. First year of three year study began in late 2018.

**FY 2023 Activities:** Conducted selenium analysis within IID drains, equipment costs, and data analysis.

**Proposed FY 2024 Activities:** Ongoing selenium work plan activities including water quality samples and monitoring.

## Appendix 2 – Work Plan by Mitigation Task

**Work Task 20: Pupfish Construction and Maintenance Conservation Measures**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$100,000	\$5,000	\$257,500	\$246,879

**Description and Purpose:** To implement the listed measures in connection with construction activities (i.e., in-channel modifications) that directly affect pupfish drains and require dewatering or removal of drain sections.

**Permit Reference:** HCP-Pupfish 6; CESA Permit MMRP 80, 86, 89, 90, 94, 95, 96, 97; In-Valley Biological Opinion

**Accomplishments Through FY 2022:** Any required drain maintenance activities have been consulted with CDFW. Pupfish trapping occurred five consecutive days with no pupfish caught before work has started.

**FY 2023 Activities:** Worked to develop a Pupfish Habitat Connectivity Plan with consultant, USFWS, CDFW and CVWD for IID and CVWD drains.

**Proposed FY 2024 Activities:** Develop a Pupfish Drain Connection Plan & Design.

## Work Task 21: Salvage of Razorback Suckers when Dewatering Canals

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$9,534

**Description and Purpose:** The IT will develop a procedure for salvaging and returning fish to the Colorado River and ensure that a person qualified to capture and handle razorback suckers, and approved by USFWS and CDFW, will be present during dewatering of main canals or reservoirs.

**Permit Reference:** HCP-Razorback Sucker 1; CESA Permit 4(k)(i) and MMRP 99

**Accomplishments Through FY 2022:** No relocation efforts have been conducted to date.

**FY 2023 Activities:** No razorback suckers were found.

**Proposed FY 2024 Activities:** Relocation of razorback suckers if needed.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 22: Maintain Habitat on Fallowed Parcels**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** N/A

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** Task has no value. Fallowed parcels are privately owned with residual cover from previous crops. Fallowed parcels are scattered around the valley, so no one area has had a significant percentage of fallowed lands.

**FY 2023 Activities:** N/A. Fallowing is no longer conducted as a conservation measure post 2017.

**Proposed FY 2024 Activities:** N/A.

### Work Task 23: Covered Species Baseline and Monitoring Surveys

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$3,280	\$ -	\$ -	\$5,395,188

**Description and Purpose:** To work with the IT to define specific surveys and studies to be conducted as part of a study program for the "Other Species" listed in Table 3.9-1 of the HCP within the HCP area. The use of created or acquired native tree habitat is to be monitored. A baseline desert survey will be conducted.

**Permit Reference:** HCP-OTHER Species 1 and 2; CESA Permit 4(i)(v) and MMRP 35, 48, 64, 65; HCP; CESA Permit 4(i)(v) and MMRP 64; HCP DH 2, DH3, DH4

**Accomplishments Through FY 2022:** Baseline survey of covered species completed in 2009. Imagery purchased for Imperial Valley Agricultural area. Annual marsh bird protocol surveys and Southwest Willow Flycatcher surveys conducted.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** Continue surveys of covered species primarily for marsh birds at the Managed Marsh and southwest willow flycatchers.



### Work Task 24: Salton Sea Air Quality

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$9,613,060	\$5,000,000	\$12,822,120	\$32,991,027

**Description and Purpose:** To continue implementation of the 4-step air quality plan: (1) Restrict Access, (2) Research and Monitoring, (3) Emission Reduction Credits, (4) Direct Emissions Reductions.

**Permit Reference:** SWRCB-8; EIR/EIS STEP 2, AQPLAN-AQ 7

**Accomplishments Through FY 2022:** Annual emissions inventory, air quality network operations & maintenance, proactive dust control planning, groundwater development, air quality emissions inventory.

**FY 2023 Activities:** Developed groundwater resources at Clubhouse and Salton City.

**Proposed FY 2024 Activities:** Annual emissions inventory, air quality network operations & maintenance, proactive dust control planning, groundwater development at Bombay Beach, air quality mitigation planning, and restrict public access on Salton Sea playa.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 25: Minimize Dust Emissions from Fallowed Lands**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$57,775

**Description and Purpose:** To implement at least one of the Best Management Practices ("BMPs") to minimize PM10 emissions prior to and after fallowing.

**Permit Reference:** SWRCB-8; EIR/EIS-AQ 3

**Accomplishments Through FY 2022:** Fallowed fields are required to have a crop left in place for dust mitigation at the owners expense. No cost to the JPA.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 26: Drain Connectivity to Salton Sea Elevation Decrease

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To ensure an appropriate level of connectivity between pupfish populations within individual drains that connect to the Sea and are below the first check (at the north and south ends of the Sea) if Salton Sea conditions become unsuitable for pupfish. To maintain created pupfish habitats for the duration of the term of the take permits.

**Permit Reference:** HCP-SS 2; In-Valley Biological Opinion; CESA Permit MMRP 79, 80

**Accomplishments Through FY 2022:** Drain connectivity for pupfish due to salinity levels is included in Task 20.

**FY 2023 Activities:** Included in Task 20.

**Proposed FY 2024 Activities:** Included in Task 20.

### Work Task 27: Grade Spoil/Roads from Drain Maintenance

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** When grading spoils from drain or canal cleaning, the soil to be graded will first be rolled away from the channel and broken up into small clods and slowly rolled back towards the channel. Care will be taken to not roll the soil back down the slope.

**Permit Reference:** Owl-3, HCP

**Accomplishments Through FY 2022:** IID protocols for drain and canal cleaning include spoil to be graded away from the channel. Costs for burrowing owl marking included in Task 15.

**FY 2023 Activities:** Included in Task 15.

**Proposed FY 2024 Activities:** Included in Task 15.

### Work Task 28: Power Line Markers for Pumpback and Seepage Recovery Systems

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$1,960

**Description and Purpose:** To install markers in accordance with industry standards in order to reduce bird strikes and to alert birds to the presence of the lines if IID builds additional power lines to provide power to pumps for tailwater return systems. If additional lines are erected, submit a report to USFWS and CDFW.

**Permit Reference:** HCP-AG 1; CESA Permit MMRP 55, 57

**Accomplishments Through FY 2022:** N/A

**FY 2023 Activities:** N/A

**Proposed FY 2024 Activities:** N/A

Appendix 2 – Work Plan by Mitigation Task

**Work Task 29: Prepare and Implement Management Plan for Abandoned Portions of AAC**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To prepare and implement a Management Plan for abandoned portions of AAC.

**Permit Reference:** CESA Permit MMRP 78

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 30: Southwestern Willow Flycatcher Surveys and Habitat Monitoring

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$62,938

**Description and Purpose:** To carry out Southwestern Willow Flycatcher Surveys.

**Permit Reference:** CESA Permit 4(f) and MMRP 41, 42; HCP; In-Valley Biological Opinion, Willow Flycatcher Measures

**Accomplishments Through FY 2022:** Included in Task 23.

**FY 2023 Activities:** Included in Task 23.

**Proposed FY 2024 Activities:** Included in Task 23.

Appendix 2 – Work Plan by Mitigation Task

### Work Task 31: Elf Owl Surveys

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To carry out pre-construction surveys of potential habitat with a 0.25 mile radius for nesting owls.

**Permit Reference:** CESA Permit 4(f)(ix) and MMRP 44

**Accomplishments Through FY 2022:** Included in Task 23.

**FY 2023 Activities:** Included in Task 23.

**Proposed FY 2024 Activities:** Included in Task 23.



## Appendix 2 – Work Plan by Mitigation Task

**Work Task 32: Desert Tortoise Survey and Avoidance**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To carry out pre-construction surveys and avoidance or minimization.

**Permit Reference:** CESA Permit 4(i) and MMRP 71 to 75; HCP DH 2 and DH 3

**Accomplishments Through FY 2022:** Included in Task 23.

**FY 2023 Activities:** Included in Task 23.

**Proposed FY 2024 Activities:** Included in Task 23.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 33: Least Tern Surveys**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** Permittee is to use fencing or other techniques to protect nesting terns if least terns begin nesting at the Salton Sea.

**Permit Reference:** CESA Permit 4(e) and MMRP 20

**Accomplishments Through FY 2022:** Included in Task 23.

**FY 2023 Activities:** Included in Task 23.

**Proposed FY 2024 Activities:** Included in Task 23.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 34: Rail and Bittern Surveys**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To carry out Managed Marsh monitoring and initial baseline monitoring of suitable agricultural drain habitat.

**Permit Reference:** CESA Permit 4(g) and MMRPs 51, 52, 54; In-Valley Biological Opinion, Rail Measures; HCP

**Accomplishments Through FY 2022:** Included in Task 23.

**FY 2023 Activities:** Included in Task 23.

**Proposed FY 2024 Activities:** Included in Task 23.

### Work Task 35: Management and Planning

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$336,979

**Description and Purpose:** Management and Planning.

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** Costs for monthly accounting, invoicing, and budget development.

**FY 2023 Activities:** Monthly accounting, invoicing, and budget development were managed internally by IID staff at no expense to the QSA JPA.

**Proposed FY 2024 Activities:**

No expense to the QSA JPA is expected for this item. Monthly accounting, invoicing, and budget development will continue to be managed internally by IID staff.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 36: JPA Audit Fees**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$12,920	\$10,770	\$10,770	\$179,518

**Description and Purpose:** To pay for JPA audit fees.

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** Paid for JPA auditor services.

**FY 2023 Activities:** Paid for JPA auditor services

**Proposed FY 2024 Activities:** Pay for JPA auditor services.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 37: JPA Bank Fees**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$3,090	\$3,090	\$3,090	\$33,417

**Description and Purpose:** To pay for JPA bank fees.

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** Paid for JPA bank fees.

**FY 2023 Activities:** Paid for JPA bank fees.

**Proposed FY 2024 Activities:** Pay for JPA Bank Fees.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 38: Financial Advisor**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$18,000	\$16,000	\$16,000	\$51,294

**Description and Purpose:** To pay for financial advisor services.

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** In FY07, the QSA JPA hired First Southwest Company as a financial advisor tasked with analyzing projected expenditures and existing payment schedules to develop options for an upcoming deficit. This led to the 2007 Advanced Payment Agreement. In FY20, the QSA JPA hired Chandler Asset Management as an investment advisor.

**FY 2023 Activities:** Paid for investment management services (Chandler Asset Management).

**Proposed FY 2024 Activities:** Pay for investment management services (Chandler Asset Management).

Appendix 2 – Work Plan by Mitigation Task

**Work Task 39: Bond Counsel Fees**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$25,000

**Description and Purpose:** To pay for bond counsel fees.

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** In FY07, the QSA JPA hired Orrick, Herrington and Sutcliffe to advise on the potential issuance of bonds.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.



Appendix 2 – Work Plan by Mitigation Task

**Work Task 40: 2001 Biological Opinion Measures**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$3,349,126

**Description and Purpose:** Bureau of Reclamation implementation of “on-river” measures including backwater marsh creation, razorback sucker stocking, willow flycatcher habitat, and bonytail chub rearing. Costs for this task have been credited to the Water Authority.

**Permit Reference:** 2001 LCR BO; CESA

**Accomplishments Through FY 2022:** Section 9.5 of the JPA Agreement provides for a \$3.118 million credit to the Water Authority for certain on-river mitigation activities that are implemented by the Bureau of Reclamation (BOR). Specifically, the language states “SDCWA shall receive credit toward its payment obligations under this Agreement, not to exceed a present value of \$3,118,000, for payments made to BOR for satisfaction of Environmental Mitigation Requirements pursuant to that agreement among BOR, MWD, and SDCWA, dated October 10, 2003, regarding responsibility for implementation of Conservation and Mitigation Measures for the Colorado River described in a US Fish and Wildlife Service Biological Opinion dated January 12, 2001.”

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 41: Brown Pelican Coast**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To construct, maintain, and monitor major coastal roost sites in San Diego Bay and Santa Barbara Harbor.

**Permit Reference:** CESA 4(d); 2002 In-Valley BO BP CM-1

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 42: Brown Pelican Sea**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$55,920	\$ -	\$55,920	\$5,517

**Description and Purpose:** To construct, maintain, and monitor roost sites at the Salton Sea.

**Permit Reference:** CESA 3(c); 2002 In-Valley BO BP CM-1; HCP SS-1

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** IID consulted with CDFW on the scope of this task.

**Proposed FY 2024 Activities:** Develop a construction cost estimate for this task.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 43: Salton Sea Shoreline Strand Study**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$ -

**Description and Purpose:** To survey for and mitigate, if required, impacts to tamarisk scrub upon completion of Salton Sea mitigation deliveries.

**Permit Reference:** HCP SS-3; HCP 4(f)

**Accomplishments Through FY 2022:** N/A.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A. No imagery is expected to be purchased and existing IID equipment will be used.

## Appendix 2 – Work Plan by Mitigation Task

**Work Task 44: Pupfish Refugium**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$12,660	\$13,500	\$32,890	\$66,866

**Description and Purpose:** To construct and maintain one refugium pond.

**Permit Reference:** HCP SS-2; 2002 In-Valley BO DP CM-1; CESA 4(j)

**Accomplishments Through FY 2022:** Pupfish refugium built in 2010 and stocked in 2016.

**FY 2023 Activities:** Environmental mitigation staff began operation and maintenance of the refugium in summer 2022.

**Proposed FY 2024 Activities:** Continue pupfish refugium operations and maintenance, including water monitoring, cleaning, and maintenance.

Appendix 2 – Work Plan by Mitigation Task

**Work Task 45: Recreation Facilities at Salton Sea**

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$ -	\$22,603

**Description and Purpose:** To relocate boat launch site and/or maintain boat launch connection to Salton Sea.

**Permit Reference:** SWRCB Order Measure R-7; 2002 EIS/EIR Measure R-7

**Accomplishments Through FY 2022:** Inventory of recreational facilities around the Salton Sea.

**FY 2023 Activities:** N/A.

**Proposed FY 2024 Activities:** N/A.

### Work Task 46: QSA JPA Website Maintenance Services

PROPOSED FY 2024	PROJECTED FY 2023	BUDGETED FY 2023	SPENT THROUGH FY 2022
\$ -	\$ -	\$1,320	\$9,340

**Description and Purpose:** Maintain the QSA JPA website.

**Permit Reference:** N/A

**Accomplishments Through FY 2022:** The QSA JPA website was developed.

**FY 2023 Activities:** Operated and maintained the QSA JPA website using Water Authority staff to minimize costs to the JPA.

**Proposed FY 2024 Activities:** No expense to the QSA JPA is expected for this item. Continue operation and maintenance of QSA JPA website using Water Authority staff.

# RECOMMENDATION

Adopt the QSA JPA Fiscal Year 2024  
Budget & Work Plan in the amount of  
\$12,002,330.



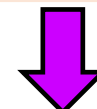


# QSA JPA PROJECTED CASH FLOW AS OF JUNE 2023

Negative Cash Balance



100% Budget Execution	FY 23	FY 24	FY 25	FY 26*	FY 27	FY 28	FY 29	FY 30	FY 31
Cash Balance	\$72,584,463	\$66,351,588	\$52,932,302	\$39,286,589	\$23,360,174	\$6,655,788	\$(10,898,417)	\$(29,062,032)	\$(47,679,737)



75% Budget Execution	FY 23	FY 24	FY 25	FY 26*	FY 27	FY 28	FY 29	FY 30	FY 31
Cash Balance	\$72,584,463	\$69,352,170	\$60,144,997	\$50,831,981	\$39,421,345	\$27,440,586	\$14,836,151	\$1,584,344	\$(12,339,326)

59% Budget Execution	FY 23	FY 24	FY 25	FY 26*	FY 27	FY 28	FY 29	FY 30	FY 31
Cash Balance	\$72,584,463	\$71,272,543	\$64,766,588	\$58,221,032	\$49,700,495	\$40,742,857	\$31,306,275	\$21,372,399	\$10,922,263

\*Last scheduled water agency payment

