



NOTICE OF MEETING

Thursday, June 20, 2024

9:00 a.m. – Advisory Committee Meeting

**CHINO BASIN WATERMASTER
ADVISORY COMMITTEE MEETING**

9:00 a.m. – June 20, 2024
Mr. Jeff Pierson, Chair
Ms. Courtney Jones, Vice-Chair
Mr. Brian Geye, Second Vice-Chair
At The Offices Of

Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

(Meeting can also be taken remotely via Zoom at this [link](#))

AGENDA

CALL TO ORDER

ROLL CALL

AGENDA – ADDITIONS/REORDER

I. CONSENT CALENDAR

All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

A. MINUTES

Approve as presented:

Minutes of the Advisory Committee Meeting held on May 16, 2024 *(Page 4)*

B. FINANCIAL REPORTS

Receive and file as presented:

Monthly Financial Report for the Period Ended April 30, 2024 *(Page 11)*

C. APPLICATION: LOCAL STORAGE AGREEMENT – ONAP

Recommend to the Watermaster Board to approve the proposed agreements. *(Page 29)*

D. 2023 ANNUAL REPORT OF THE PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

Recommend Advisory Committee to recommend the Watermaster Board to receive and file. *(Page 37)*

II. BUSINESS ITEMS

A. WEST YOST ASSOCIATES, INC. CONTRACT

Provide advice and assistance to the Watermaster Board. *(Page 42)*

III. REPORTS/UPDATES

A. WATERMASTER LEGAL COUNSEL

1. May 31, 2024 Court Hearing (Watermaster 46th Annual Report; Semi-Annual OBMP Status Report 2023-2)
2. Court of Appeal Case No. E079052 (City of Chino, MVIC, MVWD, City of Ontario appeal re OAP Expenses and Attorney Fees)

3. Court of Appeal Consolidated Cases No. E080457 and E082127 (City of Ontario appeal re 2021-22 and 2022-23 Assessment Packages)
4. Court of Appeal Case No. E080533 (Cities of Chino, Ontario appeal re 2022-23 Watermaster budget expenses to support CEQA analysis)
5. Kaiser Permanente Lawsuit

B. ENGINEER

1. Chino Creek Monitoring Program
2. 2023 Prado Basin Habitat Sustainability Program Annual Report
3. Data Collection and Evaluation (Presentation)

C. GENERAL MANAGER

1. West Yost Associates, Inc. Contract
2. July Meeting Schedule
3. Other

D. INLAND EMPIRE UTILITIES AGENCY (Page 60)

1. Metropolitan Water District Activities Report (Written)
2. Water Supply Conditions (Written)
3. State and Federal Legislative Reports (Written)

E. METROPOLITAN MEMBER AGENCY REPORTS

IV. INFORMATION

A. RECHARGE INVESTIGATIONS AND PROJECTS COMMITTEE (RIPCOMM) (Page 83)

B. CHINO BASIN DAY (Page 96)

V. COMMITTEE MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

A Confidential Session may be held during the Advisory Committee meeting for the purpose of discussion and possible action.

VIII. FUTURE MEETINGS AT WATERMASTER

06/20/24	Thu	9:00 a.m.	Advisory Committee
06/25/24	Tue	9:00 a.m.	2025 Safe Yield Reevaluation – Scenario Design #3
06/27/24	Thu	9:30 a.m.	Watermaster Orientation*
06/27/24	Thu	11:00 a.m.	Watermaster Board
07/18/24	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPComm)

* The Watermaster Orientation series are held in person only with no remote access.

NOTE: Watermaster will be dark in July 2024 and can assist with any special meetings as requested. All regularly scheduled meetings will resume in August 2024.

ADJOURNMENT

Ruby Favela Quintero
Jordan Garcia
Erik Vides

Administrative Assistant
Senior Field Operations Specialist
Field Operations Specialist

WATERMASTER CONSULTANTS PRESENT ON ZOOM

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	West Yost
Garrett Rapp	West Yost

OTHERS PRESENT AT WATERMASTER

Eduardo Espinoza	Cucamonga Valley Water District
Jimmie Moffatt	Cucamonga Valley Water District

OTHERS PRESENT ON ZOOM

Gino Filippi	Agricultural Pool
Natalie Avila	City of Chino
Hye Jin Lee	City of Chino
Rob Hills	Cucamonga Valley Water District
Ben Roden	Cucamonga Valley Water District
Jerry Burke	Inland Empire Utilities Agency
Christiana Daisy	Inland Empire Utilities Agency
Kristine Day	Inland Empire Utilities Agency
Joel Ignacio	Inland Empire Utilities Agency
Eddie Lin	Inland Empire Utilities Agency
Michael Hurley	Inland Empire Utilities Agency
John Russ	Inland Empire Utilities Agency
Jesse Pompa	Jurupa Community Services District
Manny Martinez	Monte Vista Water District
Kevin O'Toole	Orange County Water District
Jay McRae	PSMJ Resources, Inc.
Carol Boyd	State of California – DOJ
Lewis Callahan	State of California – CDCR
Diana Frederick	State of California – CDCR
Marilyn Levin	State of California – DOJ
David De Jesus	Three Valleys Municipal Water District
Laura Roughton	Western Water
Mallory O'Conor	Western Water
Richard Rees	WSP USA

CALL TO ORDER

Chair Pierson called the Advisory Committee meeting to order at 9:00 a.m.

ROLL CALL

(00:01:01) Ms. Moore conducted the roll call and announced that a quorum was present.

AGENDA – ADDITIONS/REORDER

None

I. **CONSENT CALENDAR**

All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

A. MINUTES

Approve as presented:

Minutes of the Advisory Committee Meeting held on April 18 2024

B. FINANCIAL REPORTS

Receive and file as presented:

Monthly Financial Report for the Period Ended March 31, 2024

C. APPLICATION FOR RECHARGE – FONTANA WATER COMPANY (MAR)

Recommend to the Watermaster Board to approve Fontana Water Company’s Application for Recharge and direct Watermaster staff to account for this supplemental water recharge in Fontana Water Company’s existing Local Supplemental account.

(00:03:15)

Motion by Mr. Chris Diggs, seconded by Mr. Bryan Smith, Chair Pierson called for dissent, and none being noted, the motion was deemed passed unanimously among those present.

Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. THIRD AMENDMENT TO TASK ORDER NO. 9 UNDER THE MASTER AGREEMENT FOR COLLABORATIVE RECHARGE PROJECTS (PROJECT 23A)

Approve of the Third Amendment to Task Order No.9 to increase the total budgeted cost.

(00:03:38) Mr. Corbin prefaced the item and invited Mr. Ignacio of IEUA to give a presentation. A discussion ensued.

(00:20:58)

Motion by Mr. Brian Lee, seconded by Mr. Ron Craig, and passed unanimously by volume vote as attached to these minutes.

Moved to approve Business Item II.A., Third Amendment to Task Order No. 9 Under the Master Agreement for Collaborative Recharge Projects (Project 23a).

B. WATERMASTER FISCAL YEAR 2024/25 PROPOSED BUDGET

Recommend Advisory Committee approval of the Watermaster Fiscal Year 2024/25 Proposed Budget as presented.

(00:24:00) Mr. Corbin gave a report. A discussion ensued.

(00:34:31)

Motion by Mr. Brian Geye, seconded by Mr. Cris Fealy, and passed unanimously by volume vote as attached to these minutes.

Moved to approve Business Item II.B., Watermaster Fiscal Year 2024/25 Proposed Budget.

C. PSMJ STUDY (INFORMATION ONLY)

(00:34:55) Mr. Corbin prefaced the item and introduced Mr. Tellez Foster and Mr. McRae (PSMJ consultant) to give a presentation. A discussion ensued.

III. **REPORTS/UPDATES**

A. WATERMASTER LEGAL COUNSEL

1. May 31, 2024 Court Hearing (Watermaster 46th Annual Report; Semi-Annual OBMP Status Report 2023-2)
2. Court of Appeal Case No. E079052 (City of Chino, MVIC, MVWD, City of Ontario appeal re OAP Expenses and Attorney Fees)
3. Court of Appeal Consolidated Cases No. E080457 and E082127 (City of Ontario appeal re 2021- 22 and 2022-23 Assessment Packages)
4. Court of Appeal Case No. E080533 (Cities of Chino, Ontario appeal re 2022-23 Watermaster budget expenses to support CEQA analysis)
5. Kaiser Permanente Lawsuit

(01:36:25) Mr. Herrema gave a report.

B. ENGINEER

1. 2025 Safe Yield Reevaluation
2. Data Collection and Evaluation

(01:38:12) Mr. Rapp stated that the Engineer's report remained unchanged from those given at the Pool Committee meetings last week.

C. GENERAL MANAGER

1. Other

(01:39:37) Mr. Corbin stated he has nothing new to report.

D. INLAND EMPIRE UTILITIES AGENCY

1. Metropolitan Water District Activities Report (Written)
2. Water Supply Conditions (Written)
3. State and Federal Legislative Reports (Written)

There was no oral report given.

E. METROPOLITAN MEMBER AGENCY REPORTS

None

IV. **COMMITTEE MEMBER COMMENTS**

(01:40:46) Mr. Cris Fealy introduced and welcomed Ms. Megan Sims, Water Resources Analyst and alternate Pool member with Fontana Union Water Company.

V. **OTHER BUSINESS**

None

VI. **CONFIDENTIAL SESSION – POSSIBLE ACTION**

A Confidential Session may be held during the Advisory Committee meeting for the purpose of discussion and possible action.

None

ADJOURNMENT

Chair Pierson adjourned the Advisory Committee meeting at 10:41 a.m.

Secretary: _____

Approved: _____

Attachments:

1. 20240516 Volume Vote Outcome for Business Item II.A.
2. 20240516 Volume Vote Outcome for Business Item II.B.

**QUORUM
MET?**

YES



2024 ADVISORY COMMITTEE VOLUME VOTE
Assessment Year 2023-2024 (Production Year 2022-2023)

Enter Y or N in Each Cell

Party	Present (Y/N)	Vote (Y/N)	Assigned	Reallocated	Available	Quorum	Total Yes
Minor 1 - Santa Ana River Water Co.	Y	Y	3.192	0.000	3.192	3.192	3.192
Minor 2 - San Antonio Water Company	Y	Y	3.192	0.000	3.192	3.192	3.192
Chino Hills, City Of	Y	Y	2.666	0.000	2.666	2.666	2.666
Chino, City Of	Y	Y	4.507	0.000	4.507	4.507	4.507
Cucamonga Valley Water District	Y	Y	10.064	0.000	10.064	10.064	10.064
Fontana Union Water Company	Y	Y	4.371	0.000	4.371	4.371	4.371
Fontana Water Company	Y	Y	4.897	0.000	4.897	4.897	4.897
Jurupa Community Services District	Y	Y	5.429	0.000	5.429	5.429	5.429
Monte Vista Water District	Y	Y	6.199	0.000	6.199	6.199	6.199
Ontario, City Of	Y	Y	14.834	0.000	14.834	14.834	14.834
Pomona, City Of	Y	Y	13.396	0.000	13.396	13.396	13.396
Upland, City Of	Y	Y	2.254	0.000	2.254	2.254	2.254
AGRICULTURAL POOL	Y	Y	20.000	0.000	20.000	20.000	20.000
NON-AGRICULTURAL POOL	Y	Y	5.000	0.000	5.000	5.000	5.000
			100.000	0.000	100.000	100.000	100.000

CALCULATE
QUORUM

CALCULATE
VOTES

RESET ALL

RESET VOTES

"YES" VOTES
100.000%

"NO" VOTES
0.000%

PASSED

**QUORUM
MET?
YES**



2024 ADVISORY COMMITTEE VOLUME VOTE
Assessment Year 2023-2024 (Production Year 2022-2023)

Enter Y or N in Each Cell

Party	Present (Y/N)	Vote (Y/N)	Assigned	Reallocated	Available	Quorum	Total Yes
Minor 1 - Santa Ana River Water Co.	Y	Y	3.192	0.000	3.192	3.192	3.192
Minor 2 - San Antonio Water Company	Y	Y	3.192	0.000	3.192	3.192	3.192
Chino Hills, City Of	Y	Y	2.666	0.000	2.666	2.666	2.666
Chino, City Of	Y	Y	4.507	0.000	4.507	4.507	4.507
Cucamonga Valley Water District	Y	Y	10.064	0.000	10.064	10.064	10.064
Fontana Union Water Company	Y	Y	4.371	0.000	4.371	4.371	4.371
Fontana Water Company	Y	Y	4.897	0.000	4.897	4.897	4.897
Jurupa Community Services District	Y	Y	5.429	0.000	5.429	5.429	5.429
Monte Vista Water District	Y	Y	6.199	0.000	6.199	6.199	6.199
Ontario, City Of	Y	Y	14.834	0.000	14.834	14.834	14.834
Pomona, City Of	Y	Y	13.396	0.000	13.396	13.396	13.396
Upland, City Of	Y	Y	2.254	0.000	2.254	2.254	2.254
AGRICULTURAL POOL	Y	Y	20.000	0.000	20.000	20.000	20.000
NON-AGRICULTURAL POOL	Y	Y	5.000	0.000	5.000	5.000	5.000
			100.000	0.000	100.000	100.000	100.000

**CALCULATE
QUORUM**

**CALCULATE
VOTES**

RESET ALL

RESET VOTES

"YES" VOTES
100.000%

"NO" VOTES
0.000%

PASSED



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
Tel: 909.484.3888 www.cbwm.org

TODD M. CORBIN
General Manager

STAFF REPORT

DATE: June 2024
TO: Watermaster Committees & Board
SUBJECT: Monthly Financial Reports (For the Reporting Period Ended April 30, 2024) (Consent Calendar Item I.B.)

SUMMARY

Issue: Record of Monthly Financial Reports for the reporting period ended April 30, 2024) [Normal Course of Business]

Recommendation: Receive and file Monthly Financials Reports for the reporting period ended April 30, 2024) as presented.

Financial Impact: None.

Future Consideration

Advisory Committee – June 20, 2024: Receive and File

Watermaster Board – June 27, 2024: Receive and File

ACTIONS:

Appropriative Pool – June 13, 2024: Received and Filed

Non-Agricultural Pool – June 13, 2024: Received and Filed

Agricultural Pool – June 13, 2024: Received and Filed

Advisory Committee – June 20, 2024:

Watermaster Board – June 27, 2024:

Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program

BACKGROUND

A monthly reporting packet is provided to keep all members apprised of Watermaster revenues, expenditures, and other financial activity. Monthly reports include the following:

1. Cash Disbursements – Summarized report of all payments made during the reporting month.
2. Credit Card Expense Detail – Detail report of all credit card activity during the reporting month.
3. Combining Schedule of Revenues, Expenses & Changes in Net Assets – Detail report of all revenue and expense activity for the fiscal YTD, summarized by pool category.
4. Treasurer’s Report – Summary of Watermaster investments holdings and anticipated earnings as of month end.
5. Budget to Actual Report – Detail report of actual revenue and expense activity, shown for reporting month and YTD, comparatively to the adopted budget.
6. Monthly Variance Report & Supplemental Schedules – Supporting schedule providing explanation for major budget variances. Also provides several additional tables detailing pool fund balance, salaries expense, legal expense, and engineering expense.

DISCUSSION

Detailed explanation of major variances and other additional information can be found on the “Monthly Variance Report & Supplemental Schedules.”

Watermaster staff is happy to provide additional explanation or respond to any questions on these reports.

ATTACHMENTS

1. Monthly Financial Reports (April 30, 2024)



**Chino Basin Watermaster
Cash Disbursements
April 2024**

Date	Number	Vendor Name	Description	Amount
04/01/2024	24721	INLAND EMPIRE UTILITIES AGENCY	FY 23/24 Q4 Groundwater Recharge O&M	\$ (305,920.69)
04/01/2024	24722	RAUCH COMMUNICATION CONSULTANTS, INC.	Annual report services	(18,430.00)
04/01/2024	24723	WEST YOST	February engineering services	(235,842.62)
04/08/2024	ACH4/8/24	CALPERS	April Medical Insurance Premiums	(14,962.43)
04/10/2024	24724	APPLIED COMPUTER TECHNOLOGIES	March database consulting services	(4,250.00)
04/10/2024	24725	BOWCOCK, ROBERT		(750.00)
04/10/2024	24726	BURRTEC WASTE INDUSTRIES, INC.	Utilities: Waste	(160.73)
04/10/2024	24728	CHEF DAVE'S CATERING & EVENT SERVICES	Board meeting catering services	(958.94)
04/10/2024	24729	CURATALO, JAMES		(1,875.00)
04/10/2024	24730	DE HAAN, HENRY		(375.00)
04/10/2024	24731	EGOSCUE LAW GROUP, INC.	March OAP legal services	(15,700.00)
04/10/2024	24732	ELIE, STEVEN		(125.00)
04/10/2024	24733	EMPOWER LAB	March coaching services	(500.00)
04/10/2024	24734	FILIPPI, GINO		(625.00)
04/10/2024	24735	FRONTIER COMMUNICATIONS	Landline connection for Bay Alarm system	(152.44)
04/10/2024	24736	KAVOUNAS, PETER	Health and dental premium reimbursements	(1,478.36)
04/10/2024	24737	KUHN, BOB		(875.00)
04/10/2024	24738	PITNEY BOWES GLOBAL FINANCIAL SVCS.	Quarterly postage meter lease	(454.87)
04/10/2024	24739	PSMJ RESOURCES, INC	Advisory services for rate study	(4,000.00)
04/10/2024	24740	RON SHELLEY'S AUTOMOTIVE	Vehicle maintenance services	(755.23)
04/10/2024	24741	SPECTRUM ENTERPRISE	April internet services	(1,105.40)
04/10/2024	24742	STATE COMPENSATION INSURANCE FUND	FY 24 Worker's compensation insurance	(2,768.91)
04/10/2024	24743	ULTIMATE STAFFING SERVICES	Temporary employment services	(2,951.20)
04/10/2024	24744	UNION 76	March fuel purchases	(437.60)
04/10/2024	24745	VANGUARD CLEANING SYSTEMS	April janitorial service	(1,220.00)
04/10/2024	24746	VELTO, BILL		(375.00)
04/10/2024	24747	WAVE HR SOLUTIONS	March human resources services	(1,560.00)
04/10/2024	24748	WESTERN MUNICIPAL WATER DISTRICT		(500.00)
04/15/2024	24749	BROWNSTEIN HYATT FARBER SCHRECK	March legal services	(116,290.33)
04/15/2024	24750	LAW OFFICE OF ALLEN W. HUBSCH	April ONAP legal services	(1,011.50)
04/15/2024	24751	THRIVING EMPLOYER	Legal personnel matter services	(36,585.00)
04/17/2024	24752	CALIFORNIA BANK & TRUST	Account ending 6198 - See detail attached	(4,413.86)
04/17/2024	24753	ACWA JOINT POWERS INSURANCE AUTHORITY	May life insurance	(198.83)
04/17/2024	24754	CORELOGIC INFORMATION SOLUTIONS	March geographic package services	(125.00)
04/17/2024	24755	LEGAL SHIELD	April employee paid legal insurance	(119.55)
04/17/2024	24756	PIERSON, JEFFREY		(3,000.00)
04/17/2024	24757	SOUTHERN CA EDISON	Utilities: Electric	(1,239.11)
04/17/2024	24758	VERIZON WIRELESS	Internet services for Field Ops tablets	(276.47)
04/19/2024	24759	DE BOOM, NATHAN		(125.00)
04/19/2024	24760	GEYE, BRIAN		(625.00)
04/19/2024	24761	IN-SITU, INC.	Replacement transducer for monitoring	(7,157.38)
04/19/2024	24762	JOHN J. SCHATZ	July - March AP legal services	(88,259.27)
04/19/2024	24763	WEST YOST	March engineering services	(198,261.35)
04/22/2024	ACH4/22/24	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Annual Unfunded Accrued Liability-Plan 3299	(9,902.00)
04/24/2024	24764	CUCAMONGA VALLEY WATER DISTRICT	May lease	(11,727.00)
04/24/2024	24765	CUCAMONGA VALLEY WATER DISTRICT - UTILITY	Utilities: Water	(306.37)
04/24/2024	24766	EIDE BAILLY LLP	February accounting consulting services	(2,287.26)
04/24/2024	24767	GREAT AMERICA LEASING CORP.	March copy machine lease	(1,464.61)
04/24/2024	24768	READY REFRESH	Office water dispenser lease	(113.03)
04/24/2024	24769	SAN BERNARDINO COUNTY - DEPT. AIRPORTS	May rent for extensometer site	(172.00)
04/24/2024	24770	SOCALGAS	Utilities: Gas	(130.07)
04/24/2024	24771	STANDARD INSURANCE CO.	March life and disability coverage	(824.97)
04/24/2024	24772	TOM DODSON & ASSOCIATES	March services - OBMP Update	(12,367.50)
04/24/2024	24773	ULTIMATE STAFFING SERVICES	Temporary employment services	(2,951.20)
04/24/2024	24774	VC3, INC.	March IT services	(2,303.04)
04/24/2024	24775	VERIZON WIRELESS	Internet services and mobile broadband unlimited	(38.01)
04/26/2024	24776	CHEF DAVE'S CATERING & EVENT SERVICES	Board meeting catering services	(568.36)
04/26/2024	24777	EIDE BAILLY LLP	March accounting consulting services	(5,409.96)
04/26/2024	24778	SIGWAY ENERGY	Deposit for EV charging pedestal	(2,000.00)
04/26/2024	24779	SOUTHERN CALIFORNIA EDISON	Utilities: Electric	(93.16)
04/26/2024	24780	UNITED HEALTHCARE	May dental insurance coverage	(828.89)
04/26/2024	24781	VISION SERVICE PLAN	May vision insurance coverage	(113.85)



Chino Basin Watermaster
Cash Disbursements
April 2024

Date	Number	Vendor Name	Description	Amount
04/26/2024	24782	FEENSTRA, BOB		(1,500.00)
04/26/2024	24783	MARTINEZ, MANNY		(500.00)
Total for Month \$				(1,132,398.35)



Chino Basin Watermaster Credit Card Expense Detail April 2024

Date	Number	Description	Expense Account	Amount
04/17/2024	24752	CALIFORNIA BANK & TRUST		
		ONLC - Excel training: Charts, Formatting and Reporting - J. Garcia	6193 - Employee Training	(295.00)
		ONLC - Excel training: Charts, Formatting and Reporting - E. Vides	6193 - Employee Training	(295.00)
		The Toll Roads - West Yost meeting toll fee - E. Tellez Foster	6173 - Airfare/Mileage	(14.14)
		Mezzateranean Lunch - E. Tellez Foster, Justin Nakano, IEUA	6141.3 - Admin Meetings	(90.19)
		Some Crust Bakery - CBWM Employee Appreciation Day	6141.3 - Admin Meetings	(131.06)
		Coco's Restaurant - Breakfast Meeting - E. Tellez Foster, John Bosler	6141.3 - Admin Meetings	(33.80)
		Riverside Express Lanes - West Yost meeting toll fee - CBWM Ops	6173 - Airfare/Mileage	(0.75)
		Coco's Restaurant - Breakfast Meeting - E. Tellez Foster, C. Diggs	8312 - Meeting Expenses	(38.38)
		Southwest Airlines - ACWA Conference - E. Tellez Foster	6173 - Airfare/Mileage	(314.96)
		Panera Bread - CBWM Ops breakfast meeting	6141.3 - Admin Meetings	(60.87)
		REV Subscription - Speech to text transcription services	6112 - Subscriptions/Publications	(29.99)
		Top Golf - CBWM Team Building	6011.90 - Team Building-WM Staff	(187.97)
		Brandon's Diner - Lunch meeting - E. Tellez Foster and Don Pierro	6141.3 - Admin Meetings	(36.98)
		Amazon - Return - Napkin Holder	6031.7 - General Office Supplies	14.00
		Amazon - Return - Keyboard cover	6031.7 - General Office Supplies	7.75
		Amazon - Headphones - J. Garcia, E. Vides	6031.7 - General Office Supplies	(71.07)
		Amazon - Misc. Office Supplies	6031.7 - General Office Supplies	(55.16)
		Costco - Meeting supplies	6312 - Meeting Expenses	(493.68)
		Bamboo HR - HRIS and Timekeeping System	6061.2 - HRIS System	(227.59)
		Amazon - Badge Clips	6031.7 - General Office Supplies	(21.50)
		Lands End - Uniforms - Ops, D. Uriarte, and new Board members	6154 - Uniforms	(31.25)
		Web Network Solutions- Domain Name Renewal	6054 - Computer Software	(285.89)
		Amazon - Toner Cartridges	6031.7 - General Office Supplies	(251.90)
		Amazon - Coffee, badge holders	6031.7 - General Office Supplies	(32.55)
		Amazon - Wall Shelves for A. Nelson's office	6036 - Minor Office Furniture	(73.75)
		FedEx - Shipping of Pools packet for Brian Geye and Jeff Pierson	6042 - Postage - General	(73.76)
		LinkedIn - Premium Monthly Subscription	6112 - Subscriptions/Publications	(39.99)
		Letter Jacket - White Envelopes	6031.7 - General Office Supplies	(271.53)
		Pay Pal - ChatGPT 101 training for HR Pros - A. Nelson	6193 - Employee Training	(159.00)
		Pay Pal - ChatGPT 101 training for HR Pros - A. Nelson - transaction fee	6193 - Employee Training	(4.77)
		Lands End - Uniforms - Ops, D. Uriarte, and new Board members	6154 - Uniforms	(694.34)
		FedEx - Shipping of meeting packet - Bob Feenstra	6042 - Postage - General	(55.79)
		Amazon - Mailing envelopes	6031.7 - General Office Supplies	(81.84)
		Letter Jacket - Return - White Envelopes	6031.7 - General Office Supplies	271.53
		FedEx - Shipping of meeting packet	6042 - Postage - General	(20.05)
		Amazon - Dell docking station	6055 - Computer Hardware	(210.60)
		Amazon - Ops hat - J. Garcia	6154 - Uniforms	(22.04)
Total for Month \$				(4,413.86)



Chino Basin Watermaster

Combining Schedule of Revenues, Expenses & Changes in Net Assets

For the Period of July 1, 2023 through April 30, 2024

	JUDGMENT ADMIN.	OPTIMUM BASIN MGMT.	TOTAL JUDGMENT ADMIN & OBMP	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUND WATER REPLENISH.	GRAND TOTALS	ADOPTED BUDGET 2023-2024
				AP POOL	OAP POOL	ONAP POOL			
Administrative Revenues:									
Administrative Assessments	\$ 5,636,711	\$ 3,678,686	\$ 9,315,397	\$ 646,000	\$ -	\$ 31,000	\$ -	\$ 9,992,397	\$ 9,314,915
Interest Revenue	-	401,644	401,644	14,240	49,444	2,392	35,674	503,393	312,500
Groundwater Replenishment	-	-	-	-	-	-	349,825	349,825	-
Mutual Agency Project Revenue	186,412	-	186,412	-	-	-	-	186,412	186,412
Miscellaneous Income	-	-	-	-	-	-	-	-	-
Total Administrative Revenues	5,823,123	4,080,330	9,903,453	660,240	49,444	33,392	385,499	11,032,027	9,813,827
Administrative & Project Expenditures:									
Watermaster Administration	3,384,786	-	3,384,786	-	-	-	-	3,384,786	2,993,430
Watermaster Board-Advisory Committee	246,509	-	246,509	-	-	-	-	246,509	366,923
Optimum Basin Mgmt Administration	-	801,834	801,834	-	-	-	-	801,834	1,215,309
OBMP Project Costs	-	3,186,700	3,186,700	-	-	-	-	3,186,700	5,409,723
Pool Legal Services	-	-	-	-	121,611	18,459	-	140,070	241,578
Pool Meeting Compensation	-	-	-	-	35,875	5,875	-	41,750	45,807
Pool Special Projects	-	-	-	-	9,357	-	-	9,357	-
Pool Administration	-	-	-	-	-	-	-	-	327,067
Debt Service	-	583,281	583,281	-	-	-	-	583,281	1,665,475
Agricultural Expense Transfer ¹	-	-	-	166,843	(166,843)	-	-	-	-
Total Administrative Expenses	3,631,295	4,571,815	8,203,110	166,843	-	24,334	-	8,394,286	12,265,312
Net Ordinary Income	2,191,829	(491,485)	1,700,344	493,397	49,444	9,058	385,499	2,637,741	(2,451,485)
Other Income/(Expense)									
Replenishment Water Assessments	-	-	-	-	-	-	(1,920,791)	(1,920,791)	-
Refund-Basin O&M Expenses	(1,542,183)	-	(1,542,183)	-	-	-	-	(1,542,183)	-
Refund-Recharge Debt Service	-	-	-	-	-	-	-	-	-
Carryover Budget	-	-	-	-	-	-	-	-	2,277,562
Net Other Income/(Expense)	(1,542,183)	-	(1,542,183)	-	-	-	(1,920,791)	(3,462,973)	2,277,562
Net Transfers To/(From) Reserves	\$ 649,646	\$ (491,485)	\$ 158,161	\$ 493,397	\$ 49,444	\$ 9,058	\$ (1,535,292)	\$ (825,232)	\$ (173,923)
Net Assets, July 1, 2023			9,768,099	41,205	1,343,226	57,841	1,715,286	12,925,657	
Net Assets, End of Period			9,926,259	534,602	1,392,670	66,899	179,994	12,100,425	
Pool Assessments Outstanding ²				(238,028)	(731,123)	-			
Pool Fund Balance				\$ 296,574	\$ 661,547	\$ 66,899			

¹ Fund balance transfer as agreed to in the Peace Agreement.

² Outstanding balance of Pool Special Assessments



Chino Basin Watermaster

Treasurer's Report

April 2024

	Type	Monthly Yield	Cost	Market	% Total
Cash & Investments					
Local Agency Investment Fund (LAIF) *	Investment	4.27%	\$ 636,203	\$ 632,508	5.1%
CA CLASS Prime Fund **	Investment	5.40%	11,803,076	11,802,516	95.1%
Bank of America***	Checking		(30,859)	(30,859)	-0.2%
Bank of America	Payroll		-	-	0.0%
Total Cash & Investments			\$ 12,408,420	\$ 12,404,165	100.0%

* The LAIF Market Value factor is updated quarterly in September, December, March, and June.

** The CLASS Prime Fund Net Asset Value factor is updated monthly.

*** Negative balance due to the timing of a \$700,000 transfer from CLASS that posted on 5/1/24.

Certification

I certify that (1) all investment actions executed since the last report have been made in full compliance with Chino Basin Watermaster's Investment Policy, and (2) Funds on hand are sufficient to meet all foreseen and planned administrative and project expenditures for the next six months.

Anna Nelson, Director of Administration

Prepared By:

Daniela Uriarte, Senior Accountant



Chino Basin Watermaster

Budget to Actual

For the Period July 1, 2023 to April 30, 2024

	April 2024	YTD Actual	FY 24 Adopted Budget	\$ Over / (Under) Budget	% of Budget
1 Administration Revenue					
2 Local Agency Subsidies	\$ -	\$ 186,412	\$ 186,412	\$ -	100%
3 Admin Assessments-Appropriative Pool	-	9,669,482	8,886,165	783,317	109%
4 Admin Assessments-Non-Ag Pool	-	322,914	428,750	(105,836)	75%
5 Total Administration Revenue	-	10,178,809	9,501,327	677,482	107%
6 Other Revenue					
7 Appropriative Pool-Replenishment	-	335,840	-	335,840	N/A
8 Non-Ag Pool-Replenishment	-	13,985	-	13,985	N/A
9 Interest Income	64,469	503,393	312,500	190,893	161%
10 Miscellaneous Income	-	-	-	-	N/A
11 Carryover Budget	-	-	2,277,562	(2,277,562)	0%
12 Total Other Revenue	64,469	853,218	2,590,062	(1,736,843)	33%
13 Total Revenue	64,469	11,032,027	12,091,389	(1,059,361)	91%
14 Judgment Administration Expense					
15 Judgment Administration	15,438	306,056	721,698	(415,642)	42%
16 Admin. Salary/Benefit Costs	70,596	1,574,029	1,413,610	160,419	111%
17 Office Building Expense	17,849	176,413	208,510	(32,097)	85%
18 Office Supplies & Equip.	2,191	38,885	49,438	(10,553)	79%
19 Postage & Printing Costs	1,682	23,438	33,806	(10,368)	69%
20 Information Services	17,904	134,237	199,818	(65,581)	67%
21 Contract Services	7,925	140,753	60,200	80,553	234%
22 Watermaster Legal Services	138,513	853,497	565,964	287,533	151%
23 Insurance	-	46,256	50,468	(4,212)	92%
24 Dues and Subscriptions	280	37,688	40,027	(2,339)	94%
25 Watermaster Administrative Expenses	418	7,160	7,550	(390)	95%
26 Field Supplies	161	1,491	3,200	(1,709)	47%
27 Travel & Transportation	1,039	19,262	29,570	(10,308)	65%
28 Training, Conferences, Seminars	1,211	40,490	50,400	(9,910)	80%
29 Advisory Committee Expenses	4,179	35,581	105,823	(70,242)	34%
30 Watermaster Board Expenses	23,560	210,928	261,100	(50,172)	81%
31 ONAP - WM & Administration	2,573	27,045	106,194	(79,149)	25%
32 OAP - WM & Administration	2,779	35,101	108,700	(73,599)	32%
33 Appropriative Pool- WM & Administration	92,765	148,844	112,173	36,671	133%
34 Allocated G&A Expenditures	(25,557)	(225,860)	(440,829)	214,969	51%
35 Total Judgment Administration Expense	375,504	3,631,295	3,687,420	(56,125)	98%
36 Optimum Basin Management Plan (OBMP)					
37 Optimum Basin Management Plan	71,052	801,834	1,215,309	(413,476)	66%
38 Groundwater Level Monitoring	39,390	321,668	459,625	(137,957)	70%
39 Program Element (PE)2- Comp Recharge	19,468	1,192,541	1,672,577	(480,036)	71%
40 PE3&5-Water Supply/Desalte	26,049	64,027	105,677	(41,650)	61%
41 PE4- Management Plan	69,855	348,143	817,643	(469,500)	43%
42 PE6&7-CoopEfforts/SaltMgmt	37,187	451,940	1,117,623	(665,684)	40%
43 PE8&9-StorageMgmt/Conj Use	50,630	569,522	795,750	(226,228)	72%
44 Recharge Improvements	-	583,281	1,665,475	(1,082,194)	35%
45 Administration Expenses Allocated-OBMP	16,214	120,549	222,160	(101,611)	54%
46 Administration Expenses Allocated-PE 1-9	13,342	118,311	218,669	(100,358)	54%
47 Total OBMP Expense	343,187	4,571,815	8,290,508	(3,718,693)	55%
48 Pool Administration					
49 Appropriative Pool-Legal Services	-	-	-	-	N/A
50 OAP Legal & Technical Services	15,700	121,611	186,612	(65,001)	65%
51 OAP Meeting Compensation	2,000	35,875	40,932	(5,057)	88%
52 OAP Expense - Special Projects	-	9,357	-	9,357	N/A
53 ONAP - Legal Services	1,012	18,459	54,966	(36,507)	34%
53 ONAP - Meeting Compensation	875	5,875	4,875	1,000	121%
54 Total Pool Administration	19,587	191,177	287,384	(96,208)	67%
56 Other Expense					
57 Groundwater Replenishment	-	1,920,791	-	1,920,791	N/A
58 Reserve Refunds	-	1,542,183	-	1,542,183	N/A
59 Total Other Expense	-	3,462,973	-	3,462,973	N/A
60 Total Expenses	738,278	11,857,259	12,265,312	(408,052)	97%
61 Increase / (Decrease) to Reserves	\$ (673,809)	\$ (825,232)	\$ (173,923)	\$ (651,309)	



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Budget to Actual

The Budget to Actual report summarizes the operating and non-operating revenues and expenses of Chino Basin Watermaster for the fiscal year-to-date (YTD). Columns are included for current monthly and YTD activity shown comparatively to the FY 24 adopted budget. The final two columns indicate the amount over or under budget, and the YTD percentage of total budget used. As of April 30th, the target budget percentage is generally 83%.

Revenues

Lines 1-5 Administration Revenue – Includes local agency subsidies and administrative assessment for the Appropriative, Agricultural and Non-Agricultural Pools. Below is a summary of notable account variances at month end:

- Line 2 Local Agency Subsidies is at 100% of budget due to annual administrative assessment received from Metropolitan Water District.
- Lines 3-4 Administrative Assessments for the Agricultural and Non-Agricultural Pools include annual assessment invoices issued in November of each year, as well as special assessments issued at the direction of the respective Pools. The Appropriative Pool line is over budget due to changes in actual versus projected production, and special assessments issued.

Lines 6-12 Other Revenue – Includes Pool replenishment assessments, interest income, miscellaneous income, and carryover budget from prior years.

Expenses

Lines 14-35 Judgment Administration Expense – Includes Watermaster general administrative expenses, contract services, insurance, office and other administrative expenses. Below is a summary of notable account variances at month end:

- Line 16 Admin Salary/Benefit Costs includes wages and benefits for Watermaster administrative staff. YTD is over budget due to vacation, sick time, and severance payouts.
- Line 21 Contract Services includes outside services for the annual audit report, HR consulting, court filings, and accounting consulting. YTD is over budget due to increased consulting services not anticipated in the budget. These increased consulting service costs should be offset by savings in administrative salaries and benefits.
- Line 23 Insurance includes general liability insurance, directors' and officers' liability, municipalities coverage, environmental pollution liability and other various insurance policies. YTD is at 92% of budget due to the timing of annual renewals for the directors' and officers' policy and municipalities coverage.
- Line 24 Dues and Subscriptions is at 94% of budget due to the timing of annual dues for ACWA, SHRM, and CA Groundwater Coalition.
- Line 25 Watermaster Administrative Expenses include meeting expenses and supplies for admin, committee, and other meetings. YTD is at 95% due to increased meeting activity.

Lines 36-47 Optimum Basin Management Plan (OBMP) Expense – Includes legal, engineering, groundwater level monitoring, allocated administrative expenses, and other expenses.

Lines 48-54 Pool Administration Expenses – Includes expense activity relating to Pool specific fund balances. These include legal services for each Pool, Ag Pool meeting compensation, and Ag Pool special projects.



Chino Basin Watermaster Monthly Variance Report & Supplemental Schedules For the period July 1, 2023 to April 30, 2024

Lines 56-59 Other Expense – Includes groundwater replenishment, and various refunds as appropriate. YTD activity includes refunds for prior year recharge basin O&M expenses and excess reserves.



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Pool Services Fund Accounting

Each Pool has a fund account created to pay their own legal service invoices. The legal services invoices are funded and paid using the fund accounts (8467 for the Overlying Agricultural Pool (OAP), 8567 for the Overlying Non-Agricultural Pool (ONAP), and 8367 for the Appropriate Pool (AP)). Along with the legal services fund account for the OAP (8467), the OAP also has two other fund accounts for Ag Pool Meeting Attendance expenses (8470), and Special Projects expenses (8471). The ONAP also has a meeting compensation fund account (8511). Additionally, the OAP has a reserve fund that is held by Watermaster and spent at the direction of the OAP. The AP also has account 8368 relating to the Tom Harder contract. These fund accounts are replenished at the direction of each Pool, and the legal service invoices are approved by the Pool leadership and when paid by Watermaster, are deducted from the existing fund account balances. If the fund account for any pool reaches zero, no further payments can be paid from the fund and a replenishment action must be initiated by the Pool.

The following tables detail the fund balance accounts as of April 30, 2024 (continued next page):

Fund Balance For Non-Agricultural Pool Account 8567 - Legal Services	Fund Balance For Appropriate Pool Account 8367 - Legal Services
Beginning Balance July 1, 2023: \$ 56,965.90	Beginning Balance July 1, 2023: \$ (12,415.36)
Additions:	Additions:
Interest Earnings 2,392.21	Interest Earnings 14,239.67
Payments received on ONAP Assessment invoices issued 11/18/23 25,000.00	Payments received on AP Pool Assessment invoices issued 10/30/23 178,107.17
Subtotal Additions: 27,392.21	Subtotal Additions: 192,346.84
Reductions:	Reductions:
Invoices paid July 2023 - April 2024 (18,459.00)	Invoices paid July 2023 - April 2024 -
Budget Transfers (2,000.00)	Subtotal Reductions: -
Subtotal Reductions: (20,459.00)	Subtotal Reductions: -
Available Fund Balance as of April 30, 2024 \$ 63,899.11	Available Fund Balance as of April 30, 2024 \$ 179,931.48

Fund Balance For Non-Agricultural Pool Account 8511 - Meeting Compensation	Fund Balance For Appropriate Pool Account 8368 - Tom Harder Contract
Beginning Balance July 1, 2020: \$ 875.00	Beginning Balance July 1, 2023: \$ -
Additions:	Additions:
Payments received on ONAP Assessment invoices issued 11/18/23 6,000.00	Interest Earnings -
Budget Transfers 2,000.00	Payments received on AP Pool Assessment invoices issued 10/30/23 20,577.61
Subtotal Additions: 8,000.00	Subtotal Additions: 20,577.61
Reductions:	Reductions:
Compensation paid July 2023 - April 2024 (5,875.00)	Invoices paid July 2023 - April 2024 -
Subtotal Reductions: (5,875.00)	Subtotal Reductions: -
Available Fund Balance as of April 30, 2024 \$ 3,000.00	Available Fund Balance as of April 30, 2024 \$ 20,577.61



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Pool Services Fund Accounting – Cont.

Fund Balance for Agricultural Pool
Account 8467 - Legal Services

Beginning Balance July 1, 2023:	\$ 41,675.63
Additions:	
Payments received on AP Pool Assessment invoices issued 10/30/23	144,935.99
Total Additions:	<u>144,935.99</u>
Reductions:	
Invoices paid July 2023 - April 2024	<u>(121,610.50)</u>
Subtotal Reductions:	<u>(121,610.50)</u>
Available Fund Balance as of April 30, 2024	<u>\$ 65,001.12</u>

Agricultural Pool Reserve Funds
As shown on the Combining Schedules

Beginning Balance July 1, 2023:	\$ 612,103.32
Additions:	
YTD Interest earned on Ag Pool Funds FY 24	49,443.79
Transfer of Funds from AP to Special Fund for Legal Service Invoices	<u>121,610.50</u>
Total Additions:	<u>171,054.29</u>
Reductions:	
Legal service invoices paid July 2023 - April 2024	<u>(121,610.50)</u>
Total Reductions	<u>(121,610.50)</u>
Agricultural Pool Reserve Funds Balance as of Apr. 31, 2024:	<u>\$ 661,547.11</u>

Fund Balance For Agricultural Pool
Account 8470 - Meeting Compensation

Beginning Balance July 1, 2023:	\$ 950.98
Additions:	
Payments received on AP Pool Assessment invoices issued 10/30/23	28,987.20
Budget Transfers ¹	<u>10,993.67</u>
Subtotal Additions:	<u>39,980.87</u>
Reductions:	
Compensation paid July 2023 - April 2024	<u>(35,875.00)</u>
Subtotal Reductions:	<u>(35,875.00)</u>
Available Fund Balance as of April 30, 2024	<u>\$ 5,056.85</u>

Fund Balance For Agricultural Pool
Account 8471 - Special Projects

Beginning Balance July 1, 2023:	\$ 10,993.67
Additions:	
Payments received on AP Pool Assessment invoices issued 10/30/23	<u>35,364.38</u>
Subtotal Additions:	<u>35,364.38</u>
Reductions:	
Invoices paid July 2023 - April 2024	(9,357.00)
Budget Transfers ¹	<u>(10,993.67)</u>
Subtotal Reductions:	<u>(20,350.67)</u>
Available Fund Balance as of April 30, 2024	<u>\$ 26,007.38</u>

¹Per action taken at September pool committee meeting.

¹Per action taken at September pool committee meeting.



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Watermaster Salary Expenses

The following table details the Year-To-Date (YTD) Actual Watermaster burdened salary costs compared to the FY 24 adopted budget. The “\$ Over Budget” and the “% of Budget” columns are a comparison of the YTD actual to the annual budget. As of April 30th, the target budget percentage is generally 83%.

	Year to Date Actual	FY 23-24 Budget	\$ Over / (Under) Budget	% of Budget
WM Salary Expense				
5901.1 · Judgment Admin - Doc. Review	26,459	82,794	(56,335)	32.0%
5901.3 · Judgment Admin - Field Work	2,314	7,760	(5,446)	29.8%
5901.5 · Judgment Admin - General	50,923	60,129	(9,206)	84.7%
5901.7 · Judgment Admin - Meeting	10,373	2,633	7,740	393.9%
5901.9 · Judgment Admin - Reporting	1,324	31,033	(29,709)	4.3%
5910 · Judgment Admin - Court Coord./Attendar	8,774	19,098	(10,324)	45.9%
5911 · Judgment Admin - Exhibit G	1,592	2,370	(778)	67.2%
5921 · Judgment Admin - Production Monitorin	3,062	11,322	(8,260)	27.0%
5931 · Judgment Admin - Recharge Application	1,780	4,634	(2,854)	38.4%
5941 · Judgment Admin - Reporting	701	1,316	(615)	53.3%
5951 · Judgment Admin - Rules & Regs	-	12,726	(12,726)	0.0%
5961 · Judgment Admin - Safe Yield	1,049	26,330	(25,281)	4.0%
5971 · Judgment Admin - Storage Agreements	2,326	4,739	(2,413)	49.1%
5981 · Judgment Admin - Water Accounting/Da	94,135	109,793	(15,658)	85.7%
5991 · Judgment Admin - Water Transactions	3,550	8,688	(5,138)	40.9%
6011.11 · WM Staff - Overtime	10,005	15,000	(4,995)	66.7%
6011.4 · 457(f) NQDC Plan	18,494	55,467	(36,973)	33.3%
6011.10 · Admin - Accounting	175,900	367,685	(191,785)	47.8%
6011.15 · Admin - Building Admin	8,527	18,359	(9,832)	46.4%
6011.20 · Admin - Conference/Seminars	30,929	57,083	(26,154)	54.2%
6011.25 · Admin - Document Review	1,018	6,846	(5,828)	14.9%
6011.50 · Admin - General	366,257	569,850	(203,593)	64.3%
6011.60 · Admin - HR	74,054	43,489	30,565	170.3%
6011.70 · Admin - IT	43,368	53,975	(10,607)	80.3%
6011.80 · Admin - Meeting	37,566	90,440	(52,874)	41.5%
6011.90 · Admin - Team Building	7,941	41,304	(33,363)	19.2%
6011.95 · Admin - Training (Give/Receive)	20,877	34,312	(13,435)	60.8%
6017 · Temporary Services	34,660	24,000	10,660	144.4%
6201 · Advisory Committee	23,810	55,149	(31,339)	43.2%
6301 · Watermaster Board	77,888	61,818	16,070	126.0%
8301 · Appropriative Pool	34,887	53,761	(18,874)	64.9%
8401 · Agricultural Pool	12,437	51,549	(39,112)	24.1%
8501 · Non-Agricultural Pool	8,548	50,443	(41,895)	16.9%
6901.1 · OBMP - Document Review	27,542	89,136	(61,594)	30.9%
6901.3 · OBMP - Field Work	1,858	7,003	(5,145)	26.5%
6901.5 · OBMP - General	96,528	124,049	(27,521)	77.8%
6901.7 · OBMP - Meeting	26,742	57,589	(30,847)	46.4%
6901.9 · OBMP - Reporting	5,688	2,370	3,318	240.0%
7104.1 · PE1 - Monitoring Program	128,344	171,515	(43,171)	74.8%
7201 · PE2 - Comprehensive Recharge	35,009	57,925	(22,916)	60.4%
7301 · PE3&5 - Water Supply/Desalter	-	4,791	(4,791)	0.0%
7301.1 · PE5 - Reg. Supply Water Prgm.	-	2,633	(2,633)	0.0%
7401 · PE4 - MZ1 Subsidence Mgmt. Plan	802	13,055	(12,253)	6.1%
7501 · PE6 - Coop. Programs/Salt Mgmt.	5,105	8,027	(2,922)	63.6%
7501.1 · PE 7 - Salt Nutrient Mgmt. Plan	1,769	6,582	(4,813)	26.9%
7601 · PE8&9 - Storage Mgmt./Recovery	3,342	11,217	(7,875)	29.8%
Subtotal WM Staff Costs	1,528,254	2,591,787	(1,063,533)	59%
60184.1 · Administrative Leave	15,428	6,799	8,629	226.9%
60185 · Vacation	158,162	119,130	39,032	132.8%
60185.1 · Comp Time	1,194	-	1,194	100.0%
60186 · Sick Leave	44,894	83,123	(38,229)	54.0%
60187 · Holidays	-	-	-	0.0%
Subtotal WM Paid Leaves	219,678	209,052	10,626	105%
Total WM Salary Costs	1,747,932	2,800,839	(1,052,907)	62.4%



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Engineering

The following table details the Year-To-Date (YTD) Actual Engineering costs compared to the FY 24 adopted budget. The “\$ Over Budget” and the “% of Budget” columns are a comparison of the YTD actual to the annual budget. As of April 30th, the target budget percentage is generally 83%.

	Year to Date Actual	FY 23-24 Budget	\$ Over / (Under) Budget	% of Budget
Engineering Services Costs				
5901.8 · Judgment Admin - Meetings-Engineering Services	\$ -	\$ 45,097	\$ (45,097)	0.0%
5906.1 · Judgment Admin - Watermaster Model Update	-	41,235	(41,235)	0.0%
5906.71 · Judgment Admin - Data Requests-CBWM Staff	44,750	126,204	(81,454)	35.5%
5906.72 · Judgment Admin - Data Requests-Non-CBWM Staff	8,917	42,832	(33,915)	20.8%
5925 · Judgment Admin - Ag Production & Estimation	22,928	34,376	(11,449)	66.7%
5935 · Judgment Admin - Mat'l Physical Injury Requests	3,932	36,072	(32,140)	10.9%
5945 · Judgment Admin - WM Annual Report Preparation	11,671	15,416	(3,745)	75.7%
5965 · Judgment Admin - Support Data Collection & Mgmt Process	5,496	36,336	(30,841)	15.1%
6206 · Advisory Committee Meetings-WY Staff	7,535	23,466	(15,931)	32.1%
6306 · Watermaster Board Meetings-WY Staff	22,670	23,466	(796)	96.6%
8306 · Appropriative Pool Meetings-WY Staff	17,167	23,467	(6,300)	73.2%
8406 · Agricultural Pool Meetings-WY Staff	14,310	23,466	(9,156)	61.0%
8506 · Non-Agricultural Pool Meetings-WY Staff	10,144	23,466	(13,322)	43.2%
6901.8 · OBMP - Meetings-WY Staff	41,040	45,096	(4,056)	91.0%
6901.95 · OBMP - Reporting-WY Staff	53,194	57,316	(4,123)	92.8%
6906 · OBMP Engineering Services - Other	34,614	46,992	(12,378)	73.7%
6906.26 · 2020 OBMP Update	4,508	24,016	(19,508)	18.8%
7104.3 · Grdwtr Level-Engineering	184,156	256,445	(72,289)	71.8%
7104.8 · Grdwtr Level-Contracted Services	-	10,000	(10,000)	0.0%
7104.9 · Grdwtr Level-Capital Equipment	-	9,915	(9,915)	0.0%
7202 · PE2-Comp Recharge-Engineering Services	10,393	29,084	(18,691)	35.7%
7202.2 · PE2-Comp Recharge-Engineering Services	48,619	202,362	(153,742)	24.0%
7208 · SB88 Specs-Compliance-50% IEUA	-	54,012	(54,012)	0.0%
7210 · OBMP - 2023 RMPU	37,768	94,328	(56,561)	40.0%
7220 · Integrated Model Mtg./Tech. Review-50% IEUA	-	24,618	(24,618)	0.0%
7302 · PE3&5-PBHSF Monitoring Program	62,112	69,121	(7,009)	89.9%
7303 · PE3&5-Engineering - Other	635	15,632	(14,998)	4.1%
7306 · PE3&5-Engineering - Outside Professionals	1,280	6,500	(5,220)	19.7%
7402 · PE4-Engineering	171,161	262,544	(91,382)	65.2%
7402.10 · PE4-Northwest MZ1 Area Project	90,045	271,703	(181,658)	33.1%
7403 · PE4-Eng. Services-Contracted Services-InSar	21,365	175,000	(153,635)	12.2%
7406 · PE4-Engineering Services-Outside Professionals	52,613	76,552	(23,939)	68.7%
7408 · PE4-Engineering Services-Network Equipment	11,680	14,081	(2,401)	83.0%
7502 · PE6&7-Engineering	248,298	384,163	(135,865)	64.6%
7505 · PE6&7-Laboratory Services	32,236	49,164	(16,928)	65.6%
7508 · HC Mitigation Plan-50% IEUA (TO #6)	7,990	10,703	(2,713)	74.7%
7510 · PE6&7-IEUA Salinity Mgmt. Plan	15,766	34,631	(18,865)	45.5%
7511 · PE6&7-SAWBMP Task Force-50% IEUA	9,667	24,610	(14,944)	39.3%
7517 · Surface Water Monitoring Plan-Chino Creek - 50% IEUA	38,403	69,821	(31,418)	55.0%
7520 · Preparation of Water Quality Mgmt. Plan	86,039	157,692	(71,653)	54.6%
7610 · PE8&9-Support 2020 Mgmt. Plan	13,687	69,306	(55,618)	19.7%
7614 · PE8&9-Support Imp. Safe Yield Court Order	542,983	663,747	(120,764)	81.8%
7620 · OBMP - Evaluation of Extreme Future Planning Scenarios	9,510	51,130	(41,621)	18.6%
Total Engineering Services Costs	\$ 1,989,771	\$ 3,755,182	\$ (1,755,901)	53.0%

* West Yost and Subcontractor Engineering Budget of \$2,884,956 plus Carryover Funds from FY 2022/23 of \$870,226



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Legal

The following table details the YTD Brownstein Hyatt Farber Schreck (BHFS) expenses and costs compared to the FY 24 adopted budget. The “\$ Over Budget” and the “% of Budget” columns are a comparison of the YTD actual to the annual budget. As of April 30th, the target budget percentage is generally 83%.

	Year to Date Actual	FY 23-24 Budget	\$ Over / (Under) Budget	% of Budget
6070 · Watermaster Legal Services				
6071 · BHFS Legal - Court Coordination	\$ 329,836	\$ 171,260	\$ 158,576	192.6%
6072 · BHFS Legal - Rules & Regulations	-	92,900	(92,900)	0.0%
6073 · BHFS Legal - Personnel Matters	355,570	10,820	344,750	3286.2%
6074 · BHFS Legal - Interagency Issues	-	43,704	(43,704)	0.0%
6077 · BHFS Legal - Party Status Maintenance	1,205	13,730	(12,525)	8.8%
6078 · BHFS Legal - Miscellaneous (Note 1)	162,630	233,550	(70,920)	69.6%
Total 6070 · Watermaster Legal Services	849,242	565,964	283,278	150.1%
6275 · BHFS Legal - Advisory Committee	4,235	26,708	(22,473)	15.9%
6375 · BHFS Legal - Board Meeting	65,167	85,272	(20,105)	76.4%
6375.1 · BHFS Legal - Board Workshop(s)	-	18,499	(18,499)	0.0%
8375 · BHFS Legal - Appropriative Pool	8,354	33,385	(25,031)	25.0%
8475 · BHFS Legal - Agricultural Pool	8,354	33,385	(25,031)	25.0%
8575 · BHFS Legal - Non-Ag Pool	8,354	33,385	(25,031)	25.0%
Total BHFS Legal Services	94,463	230,634	(136,170)	41.0%
6907.3 · WM Legal Counsel				
6907.31 · Archibald South Plume	-	12,085	(12,085)	0.0%
6907.32 · Chino Airport Plume	720	12,085	(11,365)	6.0%
6907.33 · Desalter/Hydraulic Control	1,358	37,200	(35,842)	3.7%
6907.34 · Santa Ana River Water Rights	3,037	20,595	(17,558)	14.7%
6907.36 · Santa Ana River Habitat	-	30,090	(30,090)	0.0%
6907.38 · Reg. Water Quality Cntrl Board	2,484	30,090	(27,606)	8.3%
6907.39 · Recharge Master Plan	43,806	30,495	13,311	143.6%
6907.40 · Storage Agreements	-	16,960	(16,960)	0.0%
6907.41 · Prado Basin Habitat Sustainability	259	9,900	(9,641)	2.6%
6907.44 · SGMA Compliance	104	9,900	(9,797)	1.0%
6907.45 · OBMP Update	196,206	172,880	23,326	113.5%
6907.47 · 2020 Safe Yield Reset	20,991	33,920	(12,929)	61.9%
6907.48 · Ely Basin Investigation	86,869	126,040	(39,171)	68.9%
6907.90 · WM Legal Counsel - Unanticipated	-	37,395	(37,395)	0.0%
Total 6907 · WM Legal Counsel	355,833	579,635	(223,802)	61.4%
Total Brownstein, Hyatt, Farber, Schreck Costs	\$ 1,299,538	\$ 1,376,233	\$ (76,694)	94.4%



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Optimum Basin Management Plan (OBMP)

The following table details the Year-To-Date (YTD) Actual OBMP costs compared to the FY 24 adopted budget. The “\$ Over Budget” and the “% of Budget” columns are a comparison of the YTD actual to the annual budget. As of April 30th, the target budget percentage is generally 83%.

	Year to Date Actual	FY 23-24 Budget	\$ Over / (Under) Budget	% of Budget
6900 · Optimum Basin Mgmt Plan				
6901.1 · OBMP - Document Review-WM Staff	\$ 27,542	\$ 89,136	\$ (61,594)	30.9%
6901.3 · OBMP - Field Work-WM Staff	1,858	7,003	(5,145)	26.5%
6901.5 · OBMP - General-WM Staff	96,528	124,049	(27,521)	77.8%
6901.7 · OBMP - Meeting-WM Staff	26,742	57,589	(30,847)	46.4%
6901.8 · OBMP - Meeting-West Yost	41,040	45,096	(4,056)	91.0%
6901.9 · OBMP - Reporting-WM Staff	5,688	2,370	3,318	240.0%
6901.95 · OBMP - Reporting-West Yost	53,194	57,316	(4,123)	92.8%
Total 6901 · OBMP WM and West Yost Staff	252,590	382,559	(129,969)	66.0%
6903 · OBMP - SAWPA				
6903 · OBMP - SAWPA Group	24,071	24,071	0	100.0%
Total 6903 · OBMP - SAWPA	24,071	24,071	0	100.0%
6906 · OBMP Engineering Services				
6906.1 · OBMP - Watermaster Model Update	18,889	41,235	(22,346)	45.8%
6906.15 · Integrated Model Mtgs. - IEUA Costs	-	-	-	0.0%
6906.21 · State of the Basin Report	-	-	-	0.0%
6906.26 · 2020 OBMP Update	4,508	24,016	(19,508)	18.8%
6906.71 · OBMP - Data Requests - CBWM Staff	-	-	-	0.0%
6906.72 · OBMP - Data Requests - Non CBWM	-	-	-	0.0%
6906 · OBMP Engineering Services - Other	34,614	46,992	(12,378)	73.7%
Total 6906 · OBMP Engineering Services	58,011	112,243	(54,232)	51.7%
6907 · OBMP Legal Fees				
6907.31 · Archibald South Plume	-	12,085	(12,085)	0.0%
6907.32 · Chino Airport Plume	720	12,085	(11,365)	6.0%
6907.33 · Desalter/Hydraulic Control	1,358	37,200	(35,842)	3.7%
6907.34 · Santa Ana River Water Rights	3,037	20,595	(17,558)	14.7%
6907.36 · Santa Ana River Habitat	-	30,090	(30,090)	0.0%
6907.38 · Reg. Water Quality Cntrl Board	2,484	30,090	(27,606)	8.3%
6907.39 · Recharge Master Plan	43,806	30,495	13,311	143.6%
6907.40 · Storage Agreements	-	16,960	(16,960)	0.0%
6907.41 · Prado Basin Habitat Sustainability	259	9,900	(9,641)	2.6%
6907.44 · SGMA Compliance	104	9,900	(9,797)	1.0%
6907.45 · OBMP Update	196,206	172,880	23,326	113.5%
6907.47 · 2020 Safe Yield Reset	20,991	33,920	(12,929)	61.9%
6907.48 · Ely Basin Investigation	86,869	126,040	(39,171)	68.9%
6907.90 · WM Legal Counsel - Unanticipated	-	37,395	(37,395)	0.0%
Total 6907 · OBMP Legal Fees	355,833	579,635	(223,802)	61.4%
6908 · OBMP Updates				
6908.1 · 2020 OBMP Update-Dodson & Assoc.	88,996	107,578	(18,581)	82.7%
Total 6908 · OBMP Updates	88,996	107,578	(18,581)	82.7%
6909 · OBMP Other Expenses				
6909.1 · OBMP Meetings	-	1,500	(1,500)	0.0%
6909.3 · Other OBMP Expenses	3,258	2,724	534	119.6%
6909.6 · OBMP Expenses - Miscellaneous	-	5,000	(5,000)	0.0%
Total 6909 · OBMP Other Expenses	3,258	9,224	(5,966)	35.3%
Total 6900 · Optimum Basin Mgmt Plan	\$ 782,759	\$ 1,215,309	\$ (432,550)	64.4%



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

Judgment Administration

The following table details the Year-To-Date (YTD) Actual Judgment Administration costs compared to the FY 24 adopted budget. The “\$ Over Budget” and the “% of Budget” columns are a comparison of the YTD actual to the annual budget. As of April 30th, the target budget percentage is generally 83%.

	Year to Date Actual	FY 23-24 Budget	\$ Over / (Under) Budget	% of Budget
5901 · Admin-WM Staff				
5901.1 · Admin-Doc. Review-WM Staff	\$ 26,459	\$ 82,794	\$ (56,335)	32.0%
5901.3 · Admin-Field Work-WM Staff	2,314	7,760	(5,446)	29.8%
5901.5 · Admin-General-WM Staff	50,923	60,129	(9,206)	84.7%
5901.7 · Admin-Meeting-WM Staff	10,373	2,633	7,740	393.9%
5901.8 · Admin-Meeting - West Yost	-	45,097	(45,097)	0.0%
5901.9 · Admin-Reporting-WM Staff	1,324	31,033	(29,709)	4.3%
Total 5901 · Admin-WM Staff	91,393	229,446	(138,053)	39.8%
5900 · Judgment Admin Other Expenses				
5906.71 · Admin-Data Req-CBWM Staff	44,750	126,204	(81,454)	35.5%
5906.72 · Admin-Data Req-Non CBWM Staff	8,917	42,832	(33,915)	20.8%
5910 · Court Coordination/Attend-WM	8,774	19,098	(10,324)	45.9%
5911 · Exhibit G-WM Staff	1,592	2,370	(778)	67.2%
5921 · Production Monitoring-WM Staff	3,062	11,322	(8,260)	27.0%
5925 · Ag Prod & Estimation-West Yost	22,928	34,376	(11,449)	66.7%
5931 · Recharge Applications-WM Staff	1,780	4,634	(2,854)	38.4%
5935 · Admin-Mat'l Phy Inj Requests	3,932	36,072	(32,140)	10.9%
5941 · Reporting-WM Staff	701	1,316	(615)	53.3%
5945 · WM Annual Report Prep-West Yost	11,671	15,416	(3,745)	75.7%
5951 · Rules & Regs-WM Staff	-	12,726	(12,726)	0.0%
5961 · Safe Yield-WM Staff	1,049	26,330	(25,281)	4.0%
5965 · Support Data Collect-West Yost	5,496	36,336	(30,841)	15.1%
5971 · Storage Agreements-WM Staff	2,326	4,739	(2,413)	49.1%
5981 · Water Acct/Database-WM Staff	94,135	109,793	(15,658)	85.7%
5991 · Water Transactions-WM Staff	3,550	8,688	(5,138)	40.9%
Total 5900 · Judgment Admin Other Expenses	214,663	492,252	(277,589)	43.6%
Total 5900 · Judgment Administration	\$ 306,056	\$ 721,698	\$ (415,642)	42.4%



Chino Basin Watermaster

Monthly Variance Report & Supplemental Schedules

For the period July 1, 2023 to April 30, 2024

“Carry Over” Funding:

During the month of July 2023, the “Carry Over” funding was calculated. The Total “Carry Over” funding amount of \$2,277,561.54 has been posted to the general ledger accounts. The total amount consisted of \$870,226.24 from Engineering Services, \$816,709.78 from Capital Improvement Projects, \$464,627.66 from OBMP Activities, \$111,461.18 from Pool Funding Accounts, and \$14,536.68 from Administration Services. More detailed information is provided in the table below.

Carry Over Budget Detail - FY 23/24

Description	Amount	Account	Fiscal Year	Type
Other Office Equipment - Boardroom Upgrades	\$ 10,037.93	6038	FY 2020/21	ADMIN
Board Workshop Expenses - Misc.	4,498.75	6375.2	FY 2021/22	ADMIN
Meter Installation - New Meter Installation	175,400.00	7540	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	181,650.00	7545	FY 2018/19	OBMP
2022 OBMP Update - Dodson & Asso.	107,577.66	6908.1	FY 2022/23	OBMP
Watermaster Model Update	34,206.75	5906.1	FY 2022/23	ENG
Groundwater Level Monitoring Program	2,700.00	7104.3	FY 2022/23	ENG
PE2 - Comprehensive Recharge - Eng. Services	27,943.64	7202.2	FY 2020/21	ENG
PE2 - Comprehensive Recharge - Eng. Services	18,441.85	7202.2	FY 2021/22	ENG
PE2 - Comprehensive Recharge - Eng. Services	72,788.26	7202.2	FY 2022/23	ENG
SB88-Specs-Ensure Compliance-50% IEUA	54,012.38	7208	FY 2020/21	ENG
OBMP - 2023 RMPU	60,000.00	7210	FY 2022/23	ENG
Integrated Model - Meetings - 50% IEUA Costs	24,617.63	7220	FY 2021/22	ENG
PBHSP - Monitoring, Data Analysis, Reporting	21,000.00	7302	FY 2022/23	ENG
OBMP - Engineering Services	65,208.75	7402	FY 2022/23	ENG
PE4 - Northwest MZ-1 Area Project	23,805.91	7402.1	FY 2021/22	ENG
PE4 - Northwest MZ-1 Area Project	126,194.09	7402.1	FY 2022/23	ENG
PE4/MZ-1: InSAR - Outside Pro	85,000.00	7403	FY 2022/23	ENG
Ground Level Monitoring - Capital Equipment	5,000.00	7408	FY 2022/23	ENG
PE6-7: Coop Efforts/Salt Management:	40,000.00	7502	FY 2022/23	ENG
Groundwater Quality Monitoring Program	16,194.00	7505	FY 2022/23	ENG
Hydraulic Control Mitigation Plan Update-50% IEUA	9,687.25	7508	FY 2021/22	ENG
Hydraulic Control Mitigation Plan Update-50% IEUA	1,016.00	7508	FY 2022/23	ENG
IEUA - Update Recycle Water Permit - Salinity	19,752.23	7510	FY 2021/22	ENG
PE8&9 - Support Imp. 2020 Storage Mgmt. Plan	42,657.50	7610	FY 2020/21	ENG
Support Implementation of the Safe Yield Court Order:	120,000.00	7614	FY 2022/23	ENG
Upper Santa Ana River HCP (TO #7)	15,062.88	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	5,000.00	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	238,646.90	7690.8	FY 2016/17	PROJ
Jurupa Basin Berm & Trash Boom	358,000.00	7690.23	FY 2022/23	PROJ
Funds on Hold for Projects/Refund	200,000.00	7690.9	FY 2017/18	PROJ
Agricultural Pool - Legal Services	41,675.63	8467	FY 2022/23	AP
Agricultural Pool - Mtg. Attendance Compensation	950.98	8470	FY 2022/23	OAP
Agricultural Pool - Special Project Funding	10,993.67	8471	FY 2021/22	OAP
Non-Agricultural Pool - Meeting Compensation	875.00	8511	FY 2022/23	ONAP
Non-Agricultural Pool - Legal Services	56,965.90	8567	FY 2022/23	ONAP
Balance at 7/31/23	\$ 2,277,561.54			



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
Tel: 909.484.3888 www.cbwm.org

TODD M. CORBIN
General Manager

STAFF REPORT

DATE: June 20, 2024

TO: Advisory Committee Members

SUBJECT: Application: Local Storage Agreement - ONAP (Consent Calendar Item I.C.)

SUMMARY:

Issue: Consideration of an application for a Local Storage Agreement – Storage of Excess Carryover water by members of the Overlying (Non-Agricultural) Pool in amounts to be determined as of the close of Fiscal Year 2023/24 (June 30, 2024). [Within WM Duties and Powers]

Recommendation: Recommend to the Watermaster Board to approve the proposed agreements.

Financial Impact: None.

Future Consideration

Advisory Committee – June 20, 2024: Advice and Assistance

Watermaster Board – June 27, 2024: Approval

ACTIONS:

Appropriative Pool – May 9, 2024: Unanimously recommended Advisory Committee to recommend Watermaster Board approval.

Non-Agricultural Pool – May 9, 2024: Unanimously recommended its representatives to support at Advisory Committee and Watermaster Board subject to changes they deem appropriate.

Agricultural Pool – May 9, 2024: Unanimously recommended Advisory Committee to recommend Watermaster Board approval.

Advisory Committee – June 20, 2024:

Watermaster Board – June 27, 2024:

Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program

BACKGROUND

The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000 and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge, or transfer water, as well as for applications for credits or reimbursements and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

Pursuant to the Peace Agreement §5.2; Restated Judgment, Exhibit G, Non-Agricultural Pool Pooling Plan ¶¶7; Restated Judgment Exhibit H, and Appropriative Pool Pooling Plan ¶¶12, parties are required to have approved Local Storage Agreements for the amounts in their stored water accounts.

The following application for Local Storage Agreements was noticed to stakeholders on May 3, 2024:

- Consideration of Local Storage Agreements – Storage of Excess Carryover Water by the Non-Agricultural Pool in amounts to be determined, and as of the close of Fiscal Year 2023/24 (June 30, 2024).

DISCUSSION

At its April 11, 2024 meeting, the Overlying (Non-Agricultural) Pool directed its Chair and Counsel to submit a “universal” application (Form 1) for Overlying (Non-Agricultural) Pool Excess Carryover “for each member, a quantity equal to the surplus carryover of such member as of midnight on the evening of June 30, 2024” (Attachment 1).

The 500,000 acre-feet Safe Storage Capacity threshold analyzed in the OBMP Implementation Plan PEIR was re-examined and revised to 600,000 acre-feet, through June 30, 2021. On May 27, 2021, the Watermaster Board adopted Resolution 2021-03 (Implementation of the Local Storage Limitation Solution), finding that a proposed order should be filed with and adopted by the Court regarding the management and administration of volumes of stored water exceeding 500,000 acre-feet up to a maximum of 700,000 acre-feet. On June 25, 2021, the Court approved the Implementation of the Local Storage Limitation Solution, Increasing the Safe Storage Capacity threshold to 700,000 acre-feet through June 30, 2030, and thereafter 620,000 acre-feet through June 30, 2035.

Pursuant to the Peace Agreement, standard losses will be applied to all water placed into Local Supplemental Storage Accounts in a manner consistent with all other water held in storage.

The Application for Local Storage Agreements was presented to the Pool Committees on May 9, 2024. The Appropriative and Overlying (Agricultural) Pools both unanimously recommended the Advisory Committee to recommend to the Watermaster Board to approve the proposed agreements; the Overlying (Non-Agricultural) Pool unanimously recommended its representatives to support at Advisory Committee and Watermaster Board subject to changes they deem appropriate.

The quantities in Parties’ stored water accounts will be finalized at the time the 2024/25 Assessment Package is adopted (generally in November each year) and parties with increased balances as of the last approved Assessment Package will be required to execute a new storage agreement (Form 8).

ATTACHMENTS

1. Form 1 – Application for Local Storage Agreement including Attachment
2. Notice Forms

**APPLICATION
FOR
LOCAL STORAGE AGREEMENT**

APPLICANT

<u>Non-Agricultural Pool Committee, for its members</u> Name of Party	<u>April 11, 2024</u> Date Requested	_____ Date Approved
<u>Various</u> Street Address	<u>For each member, a quantity equal to the surplus carryover of such member as of midnight on the evening of June 30, 2024. See Attachment.</u>	
<u>Various</u> _____ <u>CA</u> _____ <u>Various</u> City State Zip Code		
Telephone: <u>Various</u> _____	Amount Requested	Amount Approved

Facsimile: Various

TYPE OF WATER TO BE PLACED IN STORAGE

Excess Carry Over Local Supplemental or Imported Both

PURPOSE OF STORAGE - Check all that may apply

- Stabilize or reduce future water costs/assessments.
- Facilitate utilization of other available sources of supply.
- Facilitate replenishment under certain well sites.
- Preserve pumping right for a changed future potential use.
- Other, explain Any purpose authorized or otherwise permitted under the Judgment and/or other governing documents

METHOD AND LOCATION OF PLACEMENT IN STORAGE - Check and attach all that may apply

<input type="checkbox"/> Recharge (Form 2)	N/A: This application applies only to surplus carryover of members of the Non-Agricultural Pool. Surplus carryover consists of unproduced ground water.
<input type="checkbox"/> Transfer of Right to Water in Storage (Form 3)	
<input type="checkbox"/> Transfer from another party to the Judgment (Form 5)	

METHOD AND LOCATION OF RECAPTURE FROM STORAGE - Check and attach all that may apply

<input type="checkbox"/> Pump from my wells (Form 4)	Other: Any method permitted under the Judgment and/or other governing documents.
<input type="checkbox"/> Transfer to another party to the Judgment (Form 3)	

WATER QUALITY AND WATER LEVELS

What is the existing water quality and what are the existing water levels in the areas that are likely to be affected?

For information about the water quality and water levels of the Basin, please see _____

http://www.cbwm.org/rep_engineering.htm and http://cbwm.org/rep_eng_maps.htm

MATERIAL PHYSICAL INJURY

Is the Applicant aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes [] No [X]

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

ADDITIONAL INFORMATION ATTACHED Yes [X] No []


Applicant,
Chair, Non-Agricultural Pool Committee, as authorized by affirmative action of the Committee at its regular meeting on April 11, 2024

TO BE COMPLETED BY WATERMASTER:

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: May 09, 2024

DATE OF APPROVAL FROM AGRICULTURAL POOL: May 09, 2024

DATE OF APPROVAL FROM APPROPRIATIVE POOL: May 09, 2024

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____ Agreement # _____

ATTACHMENT

This is an application for storage agreements authorized by the Non-Agricultural Pool Committee on behalf of the members of the Non-Agricultural Pool for surplus carryover of such members as of June 30, 2024.

In Section 8 of the Judgment, the Court determined that the members of the Non-Agricultural Pool were owners of an overlying water right. [Judgment, Section 8.] The allocation of Safe Yield to members of the Non-Agricultural Pool is not subject to adjustment for changes in Safe Yield. [Judgment, Section 44.]

If a member of the Non-Agricultural Pool produces less than its assigned share of Operating Safe Yield in any year, such unproduced water is considered “carryover,” and may be produced by such member in a subsequent year. [Judgment, Exhibit G, Section 7.] The first water produced by such member during any such subsequent year is deemed to be produced from any such carryover. [Judgment, Exhibit G, Section 7.] If the quantity of carryover of any member of the Non-Agricultural Pool in a year exceeds its production in such year, then such unproduced water is considered “surplus carryover.” [Judgment, Exhibit G, Section 7.] Section 7 of Exhibit G provides that members of the Non-Agricultural Pool shall execute storage agreements with Watermaster “as a condition of preserving such surplus carryover.”

The applicant understands that, at least in some instances, and for reasons unknown to the applicant, the term “surplus carryover” is referred to as “excess carryover.” For that reason, the applicant has checked the box marked “excess carryover” on this form.

The applicant understands that Watermaster reports the quantity of carryover and excess carryover of each member of the Non-Agricultural Pool in the annual assessment packages. The most recent annual assessment package is available on Watermaster’s website. http://www.cbwm.org/rep_finance.htm. Based on Section 7 of Exhibit G to the Judgment, as described in the preceding paragraph, the quantity added to the surplus carryover of each member of the Non-Agricultural Pool for the year ended June 30, 2024 is equal to or less than the carryover of such member for the year ended June 30, 2023.

Carryover becomes surplus carryover on June 30 of each year. In order to “preserve such surplus carryover,” the Non-Agricultural Pool Committee desires that members of the Non-Agricultural Pool have storage agreements in place on or prior to June 30 of each year, or, where doing so prior to June 30 is not feasible, as soon as practicable thereafter.



CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

LOCAL STORAGE AGREEMENT

Date of Notice:

May 3, 2024

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

**APPLICATION FOR LOCAL STORAGE
AGREEMENT**

The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process.

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **April 11, 2024**

Date of this notice: **May 03, 2024**

Please take notice that the following Application has been received by Watermaster:

- Notice of Application for a Local Storage Agreement – Storage of Excess Carryover Water by members of the Overlying (Non-Agricultural) Pool in amounts to be determined as of the close of Fiscal Year 2023/24 (June 30, 2024).

This **Application** will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool:	May 09, 2024
Non-Agricultural Pool:	May 09, 2024
Agricultural Pool:	May 09, 2024

This **Application** will be scheduled for consideration by the Advisory Committee **no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days** after the last pool committee reviews it.

After consideration by the Advisory Committee, the **Application** will be considered by the Board.

Unless the **Application** is amended, as **Contests** must be submitted a minimum of fourteen (14) days prior to the Advisory Committee’s consideration of an **Application**, parties to the Judgment may file **Contests** to the **Application** with Watermaster **within seven calendar days** of when the last pool committee considers it. Any **Contest** must be in writing and state the basis of the **Contest**.

Watermaster address:

Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Tel: (909) 484-3888
Web: www.cbwm.org



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
Tel: 909.484.3888 www.cbwm.org

TODD CORBIN
General Manager

STAFF REPORT

DATE: June 20, 2024

TO: Advisory Committee Members

SUBJECT: Prado Basin Habitat Sustainability Program 2023 Annual Report
(Consent Calendar Item I.D.)

SUMMARY:

Issue: Pursuant to the monitoring and mitigation requirements of the Peace II Subsequent Environmental Impact Report, the Prado Basin Habitat Sustainability Committee must prepare an Annual Report. The Committee presents its 8th Annual Report for Water Year 2023. [Within WM Duties and Powers]

Recommendation: Recommend to the Board to receive and file.

Financial Impact: None.

Future Consideration

Advisory Committee – June 20, 2024: Advice and assistance

Watermaster Board – June 27, 2024: Receive and file

ACTIONS:

Appropriative Pool – June 13, 2024: Unanimously recommended Advisory Committee to recommend the Watermaster Board to receive and file

Non-Agricultural Pool – June 13, 2024: Unanimously recommended its representatives to support at Advisory Committee and Watermaster Board subject to changes they deem appropriate

Agricultural Pool – June 13, 2024: Unanimously recommended Advisory Committee to recommend the Watermaster Board to receive and file

Advisory Committee – June 20, 2024:

Watermaster Board – June 27, 2024:

BACKGROUND

The Prado Flood Control Basin (Prado Basin) is located in the southernmost, downgradient portion of the Chino Groundwater Basin (Chino Basin). Surface-water flow within the middle Santa Ana River (SAR) and its tributaries discharge into and through the Prado Basin behind Prado Dam, the main flood-control facility on the middle SAR. The US Army Corps of Engineers, in coordination with the Orange County Water District (OCWD), regulates releases from Prado Dam for the purposes of flood control and groundwater recharge in Orange County. The SAR and its tributaries are unlined across the Prado Basin, which allows for groundwater/surface-water interaction. Depth to groundwater is relatively shallow in the Prado Basin area, where groundwater losses can occur via evapotranspiration by riparian vegetation and rising-groundwater outflow to the SAR and its tributaries.

The surface-water impoundments behind Prado Dam and the shallow groundwater have created within Prado Basin the largest riparian forest in Southern California. The riparian forest provides critical habitat for various threatened and endangered species including the Least Bell's vireo, Southwestern willow flycatcher, and the Santa Ana sucker.

To further implement the goals and objectives of the Chino Basin Optimum Basin Management Program (OBMP), the Chino Basin Watermaster (Watermaster) executed the Peace II Agreement in 2007. The primary features of the Peace II Agreement are expansion of pumping at the Chino Basin Desalter wells and Basin Re-operation for the attainment of Hydraulic Control of the Chino Basin. Hydraulic Control is defined as the elimination of groundwater discharge from the Chino-North Groundwater Management Zone (GMZ) to the Prado Basin, or its reduction to *de minimis* quantities (i.e., less than 1,000 acre-feet per year [afy]). Hydraulic Control ensures that the water management activities in the Chino-North GMZ will not impair the beneficial uses designated for the SAR downstream of Prado Dam. Basin Re-operation means the increase in controlled overdraft of the Chino Basin, as defined in the Judgment, from 200,000 acre-ft (af) over the period of 1978 through 2017 to 600,000 af through 2030. Both Chino Basin Desalter expansion and Basin Re-operation are required to achieve Hydraulic Control. Hydraulic Control was achieved in 2016 and will be maintained through Chino Desalter well pumping of 40,000 afy, and the completion of Basin Re-operation.

At the time of its consideration, OCWD expressed concern that one of the potential impacts of the Peace II Agreement activities described above would be the lowering of groundwater levels (drawdown) in the Prado Basin area, which might impact the riparian habitat that is dependent upon groundwater. To address the potential drawdown and its impact on the riparian habitat, the monitoring and mitigation requirements in the Peace II Subsequent Environmental Impact Report (SEIR) calls for the development and implementation of an adaptive management program for the Prado Basin habitat:

Biological Resources/Land Use & Planning—Section 4.4-3 of the Peace II SEIR

The Chino Basin Stakeholders are committed to ensuring that the Peace II Agreement actions will not significantly adversely impact the Prado Basin riparian habitat. This includes the riparian portions of Chino and Mill Creek's between the terminus of hard lined channels and Prado Basin proper.

The available modeling data in the SEIR indicates that Peace II Agreement implementation will not cause significant adverse effects on the Prado Basin riparian habitat. However, the following contingency measure will be implemented to ensure that the Prado Basin riparian habitat will not incur unforeseeable significant adverse effects, due to implementation of Peace II. IEUA, Watermaster, OCWD and individual stakeholders, that choose to participate, will jointly fund and develop an adaptive management program that will include, but not be limited to:

- *monitoring riparian habitat quality and extent;*
- *investigating and identifying essential factors to long-term sustainability of Prado Basin riparian habitat*
- *identification of specific parameters that can be monitored to measure potential effects of Peace II Agreement implementation effects on Prado Basin; and*

- *identification of water management options to minimize the Peace II Agreement effects on Prado Basin*

This adaptive management program will be prepared as a contingency to define available management actions by Prado Basin stakeholders to address unforeseeable significant adverse impacts, as well as to contribute to the long-term sustainability of the Prado Basin riparian habitat.

The above effort will be implemented under the supervision of a newly formed Prado Basin Habitat Sustainability Committee. This Committee will include representatives from all interested parties and will be convened by the Watermaster and IEUA. Annual reports will be prepared and will include recommendations for ongoing monitoring and any adaptive management actions required to mitigate any measured loss or prospective loss of riparian habitat that may be attributable to the Peace II Agreement. As determined by Watermaster and IEUA, significant adverse impacts to riparian habitat that are attributable to the Peace II Agreement will be mitigated.

Pursuant to these monitoring and mitigation requirements of the Peace II SEIR, the Inland Empire Utilities Agency (IEUA) and the Watermaster convened the Prado Basin Habitat Sustainability Committee (PBHSC) to develop the Prado Basin Habitat Sustainability Program (PBHSP). The PBHSP is an adaptive management program to ensure that the riparian habitat in the Prado Basin will not incur unforeseeable significant adverse effects due to implementation of the Peace II Agreement. Annual reports are prepared to document monitoring and modeling activities, the analysis and interpretation of the monitoring and modeling results, and any recommendations for changes to the PBHSP.

DISCUSSION

The Annual Report for Water Year 2023 is the eighth annual report prepared by the Watermaster and IEUA for the PBHSP. It documents the collection, analysis, and interpretations of the data and information generated by the PSHSP through September 30, 2023, and is organized into the following sections:

Section 1 – Introduction This section describes the background and objectives of the PBHSP and the Annual Report

Section 2 – Monitoring, Data Collection, and Methods This section describes the collection of recent monitoring data, and the groundwater-modeling activities performed during Water Year 2023 for the PBHSP

Section 3 – Results and Interpretations This section describes the results and interpretations that were derived from the information, data, and groundwater-modeling.

Section 4 – Conclusions and Recommendations This section summarizes the main conclusions and derived from the PBHSC through the prior water year and describes the recommended activities for the subsequent fiscal year as a proposed scope-of-work, schedule, and budget

Section 5 – References This section lists the publications cited in the report

The draft Annual Report for Water Year 2023 was published and distributed on May 1, 2024. Watermaster and IEUA presented the draft report to members of the PBHSC at a meeting on May 8, 2024. A four-week comment period was provided; comments were received and responded to in Appendix D of the Annual Report.

The Report's Main Findings and Recommendations

The main interpretations and findings of the PBHSP Annual Report for Water Year 2023 are:

- Based on the NDVI time series analysis, NDVI spatial change maps, and aerial photos, the quality (greenness) of the riparian habitat vegetation either increased or remained stable across most of the Prado Basin from 2022 to 2023. All observed increases in vegetation greenness were relatively minor and within range of historical one-year changes. These increases occurred during a time of above-average precipitation, slightly cooler temperatures, and historically high stream discharge conditions in Water Year 2023.
- There were three notable areas of decreases in greenness observed from the NDVI and air photos: i) two of the areas are seemingly related to above-average precipitation and the resulting large, persistent conservation pool retained by the Prado Dam and ii) the other area was the result of an undetermined land use change but could be related to the ACOE's Arundo removal actions or OCWD's Sediment Management Demonstration Project. No decreases in greenness were attributed to declining groundwater levels and there is no declining trend in habitat quality attributable to declining groundwater levels during the Peace II Agreement.
- From 2022-2023, groundwater levels at the PBHSP monitoring wells along Chino Creek, Mill Creek, and the Santa Ana River in the Prado Basin increased at most wells as a likely result of the increased precipitation and stream discharge.
- From 2016-2023, groundwater levels throughout most of the riparian vegetation extent in reaches of Chino Creek, Mill Creek and SAR changed within 5 feet, but there are some notable areas of change:
 - The northern portion of Mill Creek just south of monitoring well PB-2 saw groundwater levels decline by about eight feet from 2016-2022, likely due to increased pumping at the Chino Desalter well to the north. During 2023, groundwater levels increased by about four feet, and there has been no observed decline of greenness of the riparian vegetation in this area.
 - At the northernmost reach of Mill Creek near PB-2, the depth to groundwater has declined the most and is at an estimated depth of 10-15ft-bgs in Water Year 2023. Additional declines in groundwater levels in the area could result in adverse impacts to the riparian habitat.
 - Groundwater levels at northern reach of Chino Creek increased by about ten feet from 2016-2023, likely due to decreased pumping in the area.
 - Groundwater-level declines in the northern reach of the SAR near PB-3 are not a concern for the riparian vegetation because the depth to groundwater in this area is shallow (4 to 8ft-bgs) and is supported by SAR recharge.
- PBHSP monitoring and reporting should continue to monitor the extent and quality of the riparian habitat and the factors that can influence it as it has been conducted through Water Year 2023. The additional monitoring in the northernmost reach of Mill Creek set up in 2022 should continue as well. While the overall threat to riparian vegetation health has decreased despite the aforementioned declines in groundwater levels, it remains important to monitor that threat as well as any potential impacts to the extent and quality of the riparian habitat that could be caused by the lowering of groundwater levels in this area.

The high-frequency monitoring for groundwater elevation, temperature and EC at each pair of PBHSP monitoring wells and nearby surface water field measurements, initiated in 2023, should continue to better characterize groundwater/surface water interactions.

The item was presented at all three Pool Committee meetings on June 13, 2024 and was unanimously recommended to the Advisory Committee to recommend to the Board to receive and file.

ATTACHMENTS

1. Annual Report of the Prado Basin Habitat Sustainability Program Water Year 2023

CONSENT CALENDAR ITEM I.D.

2023 ANNUAL REPORT OF THE PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

Click on the link below to access the report:

<https://www.cbwm.org/pages/reports/engineering/pbhsc/>



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
Tel: 909.484.3888 www.cbwm.org

TODD M. CORBIN
General Manager

STAFF REPORT

DATE: June 20, 2024

TO: Advisory Committee Members

SUBJECT: West Yost Associates, Inc. Contract (Business Item II.A.)

SUMMARY:

Issue: Watermaster's current contract with West Yost Associates, Inc. (WY) expires on June 30, 2024. A new contract is proposed to provide services through June 30, 2029. [Normal Course of Business]

Recommendation: Provide advice and assistance to the Watermaster Board.

Financial Impact: The new contract will have no additional impact on the approved FY 2024/25 budget as the proposed for FY 2024/25 rates were factored into the development of the project budget.

Future Consideration

Advisory Committee – June 20, 2024: Advice and Assistance
Watermaster Board – June 27, 2024: Approval

ACTIONS:

Advisory Committee – June 20, 2024:
Watermaster Board – June 27, 2024:

BACKGROUND

Watermaster contracts with West Yost Associates, Inc. for Engineering services related to enforcement of the Judgment and implementation of the Optimum Basin Management Program (OBMP). WY scope includes among other items, support with Watermaster's reporting requirements, periodic calculation of the safe yield of Chino Basin, assistance with the ongoing monitoring program (water levels, ground levels, water quality, production, Prado Basin habitat, etc.), studies (e.g. salinity study), attendance at various meetings, development of management plans (OBMP, Recharge, Ground Level Movement, etc.).

The current contract between Watermaster and WY was entered into in June 2019 and expires June 30, 2024 (Attachment 1).

DISCUSSION

In considering future engineering services, Watermaster staff reviewed the overall performance of the scope of work by WY (understanding of work, quality of product, timeliness), and found the performance to meet the needs and expectations of Watermaster. In our carrying out our duties of Judgment administration and being good stewards of the parties' resources Watermaster retained the services of PSMJ, a firm specialized in compensation analysis for the architecture, engineering, and construction industries, to study the rates and the cost of switching to a new firm. The conclusions from the study were presented at the May 2024 Advisory Committee and Board meetings, and reflected that Watermaster is getting competitive rates comparable to industry standards and that switching to a new firm would be very costly.

Based on these findings, staff's recommendation is to consider the amended WY contract to establish billing rates for the services provided to Watermaster.

The proposed renewal is for a 5-year period to succeed the current contract. A longer renewal period appears to be more efficient and warranted given that WY services have consistently met or exceeded expectations and there is a value to the continuity of services especially during years where the Chino Valley Model and Safe Yield are being updated. To provide the parties with flexibility in the future, the contract contains a 90-day cancellation clause to protect both sides from a long-term commitment that may become untenable in the future.

The proposed contract (Attachment 3) shows the rates as proposed in the FY 2024/25 approved budget. Rates for subsequent fiscal years will be adjusted as negotiated and approved in the contract.

A redline version (Attachment 4) of the proposed contract highlighting the changes from the previous contract is attached.

Attachments 2-4, at the time of the notice, are still being finalized and will be available on or before the date of the Advisory Committee meeting.

The proposed contract has been reviewed by Watermaster legal counsel including specialized legal review of insurance and risk transfer terms. Additionally, the contract reflects a new requirement of WY to provide Cyber Liability Insurance which provides indemnification of Watermaster digital assets (Chino Valley Model and accompanying data) on consultant equipment and networks.

ATTACHMENTS

1. Contract for CBWM Engineering Services with WY July 1, 2019 through June 30, 2024
2. Proposed 5-year term contract with WY
3. Proposed rate structure for FY 2024/25
4. Redline version of the Proposed 5 year-term contract with WY

CONTRACT
FOR
CHINO BASIN WATERMASTER ENGINEERING SERVICES

THIS CONTRACT (the "Contract"), is by and between the Chino Basin Watermaster (hereinafter referred to as "Watermaster"), and, Wildermuth Environmental, Incorporated, of Lake Forest, California (hereinafter referred to as "Consultant"), for professional engineering services in support of the Watermaster and shall govern the relationship between the parties effective July 1, 2019.

NOW, THEREFORE, in consideration of the mutual promises and obligations set forth herein, the parties agree as follows:

1. WATERMASTER CONTRACT MANAGER ASSIGNMENT: All technical direction related to this Contract shall come from the designated Watermaster Contract Manager. Details of the Watermaster's assignment are listed below:

Watermaster Contract Manager: Peter Kavounas
General Manager or designee of
Chino Basin Watermaster
Address: 9641 San Bernardino Road
Rancho Cucamonga, CA 91730
Telephone: (909) 484-3888
Facsimile: (909) 484-3890
Email: pkavounas@cbwm.org

2. CONSULTANT CONTRACT MANAGER ASSIGNMENT: Special inquiries related to this Contract and the effects of this Contract shall be referred to the following:

Consultant Contract Manager: Mark J. Wildermuth
President
Wildermuth Environmental, Inc.
Address: 23692 Birtcher Drive
Lake Forest, California 92630
Telephone: (949) 420-3030
Facsimile: (949) 420-4040
Email: mwildermuth@weewater.com

3. ORDER OF PRECEDENCE: The documents referenced below represent the Contract Documents. Where any conflicts exist between the General Terms and Conditions, or addenda attached, then the governing order of precedence shall be as follows:

1. Task Orders for specific work assignments issued pursuant to this Contract.

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
JULY 1, 2019 THROUGH JUNE 30, 2024

2. Amendments to Contract
3. Contract, General Terms and Conditions.
4. SCOPE OF WORK, SCHEDULE AND SERVICES: Consultant Scope of Work, Schedule, and Services shall be in accordance with specific Task Orders that are issued pursuant to this Contract. Each Task Order will contain a scope of work, description of the deliverables, schedule, fee and the naming of a specific project manager for each Task Order.
5. TERM: The term of this Contract shall extend from July 1, 2019, and terminate on June 30, 2024, and will continue thereafter until one party elects to terminate with 90 days written notice.
6. COMPENSATION: Watermaster shall pay Consultant's properly executed monthly invoices, approved by the Watermaster Contract Manager, within thirty (30) days following receipt of the invoice. Payment will be withheld for any service, which does not meet Watermaster requirements or have proven unacceptable until such service is revised, resubmitted, and accepted by the Watermaster Contract Manager.

The Consultant will submit monthly invoices for each Task Order. Each invoice shall include a cost breakdown, billing message describing the work done during the monthly billing period, itemized material cost and reasonable and customary expenses, including that of other parties retained by Consultant and shall include the current monthly amount, and the cumulative amount invoiced to date. Exhibit A lists the hourly billing rates which will remain constant throughout the term of this contract. Material cost and reasonable expenses shall be submitted with receipts, and will be reimbursed at cost with no markup. Invoices shall not be submitted in advance.

In compensation for the work represented by this Contract, Watermaster shall pay Consultant's invoices up to the total fee established in each Task Order. Consultant shall not be paid for any amount exceeding the Task Order authorized fee, without an amendment to the Task Order.

Watermaster may, at any time, make changes to the scope of work in a Task Order, including additions, reductions, and changes to any or all of the work, as directed in writing by the Watermaster. Such changes shall be made by a written amendment to the Task Order. The Task Order authorized fee and schedule shall be equitably adjusted to account for such changes, and shall be set forth in the written amendment.

7. NO AUTHORITY TO BIND WATERMASTER: Consultant has no authority, right or ability to bind or commit Watermaster in any way or incur any debts or liabilities in the name of or on behalf of Watermaster (including, without limitation, by entering into contracts or agreeing to contract terms) without the express prior written consent of Watermaster in each individual instance, and will not attempt to do so or imply that it may do so. Consultant agrees not to advertise, promote or represent to any third party that Consultant or its agents or employees are the agents or employees of Watermaster. Consultant may represent only that the Parties have an independent contractor relationship pursuant to which Consultant has accepted an opportunity to provide

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
JULY 1, 2019 THROUGH JUNE 30, 2024

Consultant's customary services to Watermaster. Consultant will refrain from using Watermaster's name in any advertisement, promotion, business card, website, or similar manner without Watermaster's prior written consent. Consultant will not add to, delete from or modify any documentation or forms provided by Watermaster, except with the prior written consent of Watermaster.

8. CONTROL OF THE WORK: Consultant shall perform the work described in each Task Order. If performance of the work falls behind schedule, the Consultant shall use best efforts to accelerate the work to comply with the schedule in the Task Order. If the Consultant is unable to accelerate the work, the Consultant shall promptly notify the Watermaster Contract Manager of the delay, the causes of the delay, and submit a proposed revised completion schedule.
9. SERVICES FOR OTHER PARTIES: Consultant shall advise the Watermaster Contract Manager of any services that Consultant proposes to perform for other parties to the Chino Basin Judgment and shall receive written consent (in any form including email) from the Watermaster Contract Manager prior to engaging in such services. Any services contract between Consultant and a party to the Judgment shall contain a provision providing for the termination of the services should a conflict develop between the services and the services provided by Consultant to Watermaster. Notwithstanding the foregoing, Consultant shall not provide services to any party to the Judgment on a matter that will later be subject to Watermaster review. Furthermore, Consultant shall not provide services to the Inland Empire Utilities Agency, nor to the Three Valleys Municipal Water District and Western Municipal Water District to the extent that such services would involve matters within the Chino Basin, except through a services contract with Watermaster and those entities.

In any work for parties other than Watermaster, Consultant may make no representation as to the policy or position of Watermaster, other than as might be found in an existing publicly available document.

10. FITNESS FOR DUTY:
 - A. Fitness: Consultant shall institute steps to attempt to make certain that Consultant's personnel on the Jobsite:
 1. shall report for work in a manner fit to do their job;
 2. shall not be under the influence of or in possession of any alcoholic beverages or of any controlled substance (except a controlled substance as prescribed by a physician so long as the performance or safety of the Work is not affected thereby); and
 3. shall not have been convicted of any serious criminal offense which, by its nature, may have a discernible adverse impact on the business or reputation of Watermaster.

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
JULY 1, 2019 THROUGH JUNE 30, 2024

11. INSURANCE: During the term of this Contract, the Consultant shall maintain in full force and effect, at Consultant's sole expense, the following insurance.

A. Minimum Scope of Insurance:

1. General Liability: \$5,000,000 combined single limit per occurrence for bodily injury (including death), personal injury, property damage owned and non-owned equipment, blanket contractual liability, completed operations, explosion, collapse, underground excavation and removal of lateral support covering the Consultant's performance of the services under this Contract, which coverage shall be at least as broad as Insurance Services Office (ISO) Occurrence form CG 0001. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location, or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability: Automobile liability insurance which coverage shall be at least as broad as ISO Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto), and with a \$5,000,000 combined single limit per accident for bodily injury and property damage.
3. Workers' Compensation and Employers Liability: Workers' compensation limits covering its employees in performance of the services under this Contract as required by the Labor Code of the State of California and employers Liability limits of \$1,000,000 per accident.
4. Professional Liability insurance in the amount of \$1,000,000 per occurrence with a \$2,000,000 policy aggregate for protection from claims arising out of Consultant's wrongful acts, negligent actions, errors or omissions in performance of the services under this Contract. This coverage form may be "claims made" and include defense expense within the limit of liability. The policy shall contain a 2-year extended reporting period under which claims can be made for errors or omissions arising from the services.

At the time of the Parties' entrance into this Contract, Consultant maintains insurance coverages that meets these requirements, and Consultant will continue to maintain the insurance coverages for the duration of the Contract. All insurance coverage, as initially provided and as modified or changed, shall be subject to reasonable approval with copies being provided upon the request by Watermaster.

B. Deductibles and Self-Insured Retention: Any deductibles or self-insured retention, different from those generally available at reasonable cost, must be declared to and approved by the Watermaster.

C. Other Insurance Provisions: The policies are to contain or be endorsed to contain, the following provisions:

1. General Liability and Automobile Liability Coverage

- a. The Watermaster, its officers, officials, employees and volunteers are to be covered as insureds, endorsements as respects: liability arising out of activities performed by or on behalf of the Consultant, products and completed operations of the Consultant, premises owned, occupied or used by the Consultant, or automobiles owned, leased, hired or borrowed by the Consultant. The coverage shall contain no special limitations on the scope of protection afforded to the Watermaster, its officers, officials, employees or volunteers.
- b. The Consultant's insurance coverage shall be primary insurance as respects the Watermaster, its officer, officials, employees and volunteers. Any insurance or self-insurance maintained by the Watermaster, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.
- c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Watermaster, its officers, officials, employees or volunteers.
- d. The Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- e. The Consultant may satisfy the limit requirements in a single policy or multiple policies. Any such additional policies written as excess insurance shall not provide any less coverage than that provided by the first or primary policy and shall include a following form endorsement.

2. All Coverages

Each insurance policy required by this contract shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the Watermaster. Consultant shall provide thirty (30) days written notice to Watermaster prior to the non-renewal of any policy or policies required by this Contract. The Consultant shall be responsible for requiring and confirming that each sub-consultant and subcontractor meets the minimum insurance requirements specified above. The above insurance coverage shall not limit the indemnification obligations of the

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
JULY 1, 2019 THROUGH JUNE 30, 2024

Consultant and the failure to maintain the required coverages shall constitute a material breach of this Contract.

- D. Acceptability of Insurers: With the exception of Professional Liability Insurance, all insurance is to be placed with insurers with a Best's rating of no less than A+. Professional Liability Insurance is to be placed with insurers with a Best's rating of no less than B:VII.
- E. Verification of Coverage: Consultant shall furnish the Watermaster with certificates of insurance and with original endorsements effecting coverage required by the Watermaster for themselves and all subcontractors prior to commencing work or allowing any subcontractor to commence work under any subcontract. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All certificates and endorsements are to be approved by the Watermaster before work commences. The Watermaster reserves the right to require complete, certified copies of all required insurance policies, at any time.
- F. Submittal of Certificates: Consultant shall submit all required certificates and endorsements to the following:

Peter Kavounas
General Manager
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

12. LEGAL RELATIONS AND RESPONSIBILITIES

- A. Professional Responsibility: The Consultant shall be responsible, to the level of competency presently maintained by other practicing professionals performing the same or similar type of work.
- B. Status of Consultant: The Consultant is retained as an independent Consultant only, for the sole purpose of rendering the services described herein, and is not an employee of the Watermaster.
- C. Observing Laws and Ordinances: The Consultant shall keep itself fully informed of all existing and future state and federal laws and all county and city ordinances and regulations which in any manner affect the conduct of any services or tasks performed under this Contract, and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. The Consultant shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders and decrees, and shall protect and indemnify, as required herein, the Watermaster, its officers, employees and agents against any claim or liability arising from or based on the violation

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
JULY 1, 2019 THROUGH JUNE 30, 2024

of any such law, ordinance, regulation, order or decree, whether by the Consultant or its employees.

- D. Subcontract Services: Any subcontracts for the performance of any services under this Contract shall be subject to the written approval of the Watermaster Contract Manager.
- E. Indemnification: The Consultant agrees to protect, defend, indemnify and hold harmless the Watermaster, its officers, directors, agents, employees, servants, and volunteers free and harmless from liability, claims, judgments, costs and demands, including demands arising from injuries or death of persons and damage to property, including but not limited to attorneys', paralegal and experts' fees, costs and expenses, which arise out of or result from, directly or indirectly: 1) any and all negligent or omissions or willful misconduct of the Consultant or of any employee, sub-consultant or subcontractor of the Consultant in its performance of the services and obligations pursuant to this Contract (2) the violation of any governmental law or regulation, compliance with which is the responsibility of the Consultant; and (3) the failure, neglect or refusal of the Consultant or of any employee, sub-consultant or subcontractor of Consultant to faithfully perform the services and obligations under the Contract in a manner which meets the applicable standard of care; except for Watermaster's sole negligence or willful misconduct.

In this regard, if Watermaster receives any claim or demand, or suffers any loss for which the Consultant is responsible under the preceding paragraph, Watermaster shall promptly make written notification to the Consultant stating the nature and circumstances of the situation. The Consultant shall investigate and respond to Watermaster's notification of claim in writing within ten (10) business days, stating the Consultant's opinion as to the validity of Watermaster's claim, the causes and responsibility forming the basis for the claim, and intention as to the Consultant's further action toward resolving the claim.

During this period, the Consultant may involve its insurance carrier(s) for advice and counsel, if the Consultant deems appropriate, and shall either refer the entire matter to its insurance carrier and/or work diligently with Watermaster and other involved parties to arrive at a mutually satisfactory resolution. In the event that the matter is referred to the Consultant's insurance carrier, the Consultant's written response shall include the name, address and telephone number of the insurance company contact assigned to Watermaster's claim.

Watermaster shall, at all times, participate and cooperate with the Consultant in resolving any claim. If the Consultant shall fail to respond and take action to protect Watermaster, in Watermaster's reasonable opinion, Watermaster shall have the right, but not the obligation, to undertake the resolution and/or defense of the claim and to compromise or settle (exercising reasonable business judgment) the claim.

- F. Conflict of Interest: No official of the Watermaster who is authorized in such capacity and on behalf of the Watermaster to negotiate, make, accept or approve, or to take part in

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
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negotiating, making, accepting or approving this Contract, or any subcontract relating to services or tasks to be performed pursuant to this Contract, shall become directly or indirectly personally interested in this Contract.

- G. Equal Opportunity: During the performance of this Contract, the Consultant shall not unlawfully discriminate against any employee or employment applicant because of race, color, religion, sex, age, marital status, ancestry, physical or mental disability, sexual orientation, veteran status or national origin.
- H. Non-Conforming Work and Warranty: Consultant represents and warrants that the deliverables provided in each Task Order shall be adequate to serve the purposes described in each Task Order issued pursuant to the Contract. For a period of not less than one (1) year after completion of a Task Order, Consultant shall, at no additional cost to Watermaster, correct any and all errors in the deliverable. Upon request of Watermaster, Consultant shall correct any such error deemed important by Watermaster in its sole discretion to Watermaster's continued use of the Task Order deliverable pursuant to a schedule jointly agreed to by the Watermaster and the Consultant. The Consultant will use best efforts to correct all errors in a timely manner.
- I. Disputes:
1. All disputes arising out of or in relation to this Contract shall be determined in accordance with this section. The Consultant shall pursue the work to completion in accordance with the instruction of the Watermaster's Project Manager notwithstanding the existence of dispute. By entering into this Contract, both parties are obligated, and hereby agree, to submit all disputes arising under or relating to the Contract which remain unresolved after the exhaustion of the procedures provided herein, to independent arbitration. Except as otherwise provided herein, arbitration shall be conducted under California Code of Civil Procedure Sections 1280, et seq., or their successor. Both Watermaster and Consultant waive trial by jury and any appeal except as the appeal is provided below.
 2. In the event of arbitration, the parties hereto agree that there shall be a single neutral Arbitrator who shall be selected in the following manner:
 - a. The Demand for Arbitration shall include a list of five names of persons acceptable to the Consultant to be appointed as Arbitrator. The Watermaster shall determine if any of the names submitted by Consultant are acceptable and, if so, such person will be designated as Arbitrator. The Watermaster shall have seven (7) calendar days in which to determine if one such person is acceptable.

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CHINO BASIN WATERMASTER ENGINEERING SERVICES
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- b. In the event that none of the names submitted by Consultant are acceptable to Watermaster, or if for any reason the Arbitrator selected in Step (a) is unable to serve, the Watermaster shall submit to Consultant a list of five names of persons acceptable to the Watermaster for appointment as Arbitrator. The Consultant shall, in turn, have seven (7) calendar days in which to determine if one such person is acceptable.
 - c. If after Steps (a) and (b), the parties are unable to mutually agree upon a neutral Arbitrator, the matter of selection of an Arbitrator shall be submitted to the San Bernardino County Superior Court pursuant to Code of Civil Procedure Section 1281.6, or its successor. The costs of arbitration, including but not limited to reasonable attorneys' fees, shall be recoverable by the party prevailing in the arbitration. If this arbitration is appealed to a court pursuant to the procedure under California Code of Civil Procedure Section 1294, et seq., or their successor, the costs of arbitration shall also include court costs associated with such appeals, including but not limited to reasonable attorneys' fees which shall be recoverable by the prevailing party. If either Watermaster or Consultant desires to appeal the ruling of the arbitrator, then it may utilize this procedure to have a retired appellate judge to decide those issues being appealed in which case the party appealing shall pay the fees and costs of the arbitrator hearing the appeal and each party shall pay its own attorney's fees and costs for the appeal.
3. Joinder in Mediation/Arbitration: The Watermaster may join the Consultant in mediation or arbitration commenced by a contractor on the Project pursuant to Public Contracts Code Sections 20104 et seq. Such joinder shall be initiated by written notice from the Watermaster's representative to the Consultant.
- J. Attorneys' Fees: In the event an action is commenced by a party to this Contract against the other to enforce its rights or obligations arising from this Contract, the prevailing party in such action, in addition to any other relief and recovery ordered by the court or arbitration, shall be entitled to recover all statutory costs, plus reasonable attorneys' fees.
13. OWNERSHIP OF ORIGINAL WORK PRODUCTS CREATED IN THIS CONTRACT. Watermaster shall own all work products that were initially created pursuant to work which was or will be billed to Watermaster by Consultant. This includes, but is not limited to, current and future iterations of the Chino Basin Groundwater Model developed by Consultant. If the Watermaster chooses to use the model itself, have another entity (e.g., another consultant or government entity) use the model or its input files or results, then the Watermaster:
- A. Will assume all liabilities resulting from the use of the model and the reliance on the results of the model;

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CHINO BASIN WATERMASTER ENGINEERING SERVICES
JULY 1, 2019 THROUGH JUNE 30, 2024

- B. Will for a period of ten years from the effective date of this Contract provide the Consultant with copies of the final input and output files that Watermaster and/or other entity is relying on.

Consultant may use the model or derivatives of the model for non-Watermaster-related investigations provided that Consultant provides notice to the Watermaster of such investigations.

- 14. OWNERSHIP OF ORIGINAL WORK PRODUCTS CREATED BY THE CONSULTANT. Work products that remain proprietary to Consultant shall include:

- A. The relational database and supporting software tools collectively called "HydroDaVE"; the Consultant will provide the Watermaster a license to use HydroDaVE during the term of this Contract without cost to the Watermaster.

- B. Any GIS shape files, database files or any other files or work products that were initially developed by Consultant at non-Watermaster expense that were subsequently used by the Consultant in the development of a work product for the Watermaster.

- 15. Watermaster shall not release to any third party for any reason any work product that is proprietary to the Consultant without prior written permission from the Consultant. The Consultant shall not release to any third party for any reason any work product owned by Watermaster. In regard to the release of the model to third parties, it is presently Watermaster's practice to require any party obtaining access to the model to assume all liabilities resulting from the third party's use of or reliance on its use of the model, and to indemnify both Watermaster and Consultant as to the same.

- 16. Before Watermaster releases any work product owned by Watermaster to any third party, it shall receive written releases of liability in favor of both Watermaster and Consultant prior to such release.

- 17. PUBLIC RECORDS POLICY: The Watermaster shall use its best efforts to notify Consultant of any requests for disclosure of any documents pertaining to Consultant.

In the event of litigation concerning disclosure of information Consultant considers exempt from disclosure; (e.g., Trade Secret, Confidential, or Proprietary) Watermaster shall act as a stakeholder only, holding the information until otherwise ordered by a court or other legal process. If Watermaster is required to defend an action arising out of a Public Records Act request for any of the information Consultant has marked "Confidential," "Proprietary," or "Trade Secret," Consultant shall, if it decides to pursue such exemption from disclosure, defend and indemnify Watermaster from all liability, damages, costs, and expenses, including attorneys' fees, in any action or proceeding arising under the Public Records Act.

In the event of litigation concerning disclosure of information Watermaster considers exempt from disclosure; (e.g., Trade Secret, Confidential, or Proprietary) Consultant shall act as a stakeholder only, holding the information until otherwise ordered by a court or other legal process. If

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Watermaster is required to defend an action arising out of a Public Records Act request for any of the information Watermaster has marked "Confidential," "Proprietary," or "Trade Secret," Watermaster shall, if it decides to pursue such exemption from disclosure, defend and indemnify Consultant from all liability, damages, costs, and expenses, including attorneys' fees, in any action or proceeding arising under the Public Records Act.

18. TITLE AND RISK OF LOSS:

A. Documentation: Except as pertains to proprietary work product of the Consultant or stated otherwise in each Task Order, title to the Documentation (Work Products) created in a Task Order shall pass to Watermaster when prepared; however, a copy may be retained by Consultant for its records and internal use.

The Work Products shall not be changed or used for purposes other than those set forth in the Task Order without the prior written approval of Consultant. If Watermaster releases the Work Products to a third party without Consultant's prior written consent, or changes or uses the Work Products other than as intended hereunder, Watermaster shall do so at its sole risk and discretion, and Watermaster shall indemnify the Consultant against any and all claims and/or damages resulting from or connected with the release of or any third party's use of the Work Products.

B. Material: Unless stated otherwise in each Task Order, title to all Material, field or research equipment, and laboratory equipment, procured or fabricated under the Contract shall pass to Watermaster when procured or fabricated, and such title shall be free and clear of any and all encumbrances. Consultant shall have risk of loss of any Material or Watermaster-owned equipment of which it has custody. Watermaster shall indemnify the Consultant against any and all claims and/or damages resulting from or connected with the use of all Material, field or research equipment, and laboratory equipment, procured or fabricated under the Contract that are subsequently used by the Watermaster or by third parties.

C. Disposition: Consultant shall dispose of items to which Watermaster has title as directed in writing by the Watermaster Contract Manager.

19. NOTICES: Any notice may be served upon either party by delivering it in person, or by depositing it in a United States Mail deposit box with the postage thereon fully prepaid, and addressed to the party at the address set forth below:

Watermaster: Peter Kavounas
General Manager
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

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Consultant: Mark J. Wildermuth
President
Wildermuth Environmental, Inc.
23692 Birtcher Drive
Lake Forest, CA 92630

Any notice given hereunder shall be deemed effective in the case of personal delivery, upon receipt thereof, or, in the case of mailing, at the moment of deposit in the course of transmission with the United States Postal Service.

20. SUCCESSORS AND ASSIGNS: All of the terms, conditions and provisions of this Contract shall inure to the benefit of and be binding upon the Watermaster, the Consultant, and their respective successors and assigns. Notwithstanding the foregoing, no assignment of the duties or benefits of the Consultant under this Contract may be assigned, transferred or otherwise disposed of without the prior written consent of the Watermaster; except that it may be assigned without such consent to a related entity, an affiliate or wholly owned subsidiary of Consultant; and, any such purported or attempted assignment, transfer or disposal without the prior written consent of the Watermaster shall be null, void and of no legal effect whatsoever.
21. RIGHT TO AUDIT: The Watermaster reserves the right to review and/or audit all Consultant's records related to the Work. The option to review and/or audit may be exercised during the term of the Contract, upon termination, upon completion of the Contract, or at any time thereafter up to twelve (12) months after final payment has been made to Consultant. The Consultant shall make all records and related documentation available at the place of business of Consultant within three (3) working days after said records are requested by the Watermaster. Notwithstanding the foregoing, an adjustment may only be requested and a claim made during the term of each Task Order and for one year following its final payment. Following the termination of the claim period then Consultant may destroy its records for such Task Order.
22. INTEGRATION: The Contract Documents represent the entire Contract of the Watermaster and the Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered by the Contract Documents. This Contract may not be modified, altered or amended except by written mutual agreement by the Watermaster and the Consultant.
23. GOVERNING LAW: This Contract is to be governed by and constructed in accordance with the laws of the State of California, in the County of San Bernardino.
24. TERMINATION FOR CONVENIENCE: Either party has the right to suspend, cancel or terminate this Contract at any time upon thirty (30) days written notice to the other party. In the event of such termination, within 60 days the Consultant shall deliver all work product to Watermaster and Watermaster shall pay Consultant for all authorized and Consultant-invoiced services up to the date of such termination.

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25. FORCE MAJEURE: Neither party shall hold the other responsible for the effects of acts occurring beyond their control; e.g., war, riots, strikes, natural disasters, etcetera.
26. NOTICE TO PROCEED: No services shall be performed or furnished under this Contract unless and until this document has been properly signed by all responsible parties and a Notice to Proceed has been issued to the Consultant on a specific Task Order.

IN WITNESS WHEREOF, the parties hereto have caused the Contract to be entered as of the day and year written above.

CHINO BASIN WATERMASTER:

Peter Kavounas

Date

General Manager

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CHINO BASIN WATERMASTER ENGINEERING SERVICES
July 1, 2019 THROUGH JUNE 30, 2024

WILDERMUTH ENVIRONMENTAL, INC.

 6-4-2019

Mark J. Wildermuth
President / WSE
General Manager

Date

CONTRACT

CHINO BASIN WATERMASTER ENGINEERING SERVICES
July 1, 2019 THROUGH JUNE 30, 2024

Exhibit A
Consulting Engineering Services
Time and Materials Billing Schedule
July 1, 2019 through June 30, 2024

Professional Billing Rates

Professional Level	FY 2019/20 Hourly Rate
Principal III Engineer/Scientist	\$271
Principal II Engineer/Scientist	\$254
Principal I Engineer/Scientist	\$241
Supervising II Engineer/Scientist	\$225
Supervising I Engineer/Scientist	\$219
Senior II Engineer/Scientist	\$196
Senior I Engineer/Scientist	\$184
Staff II Engineer/Scientist	\$159
Staff I Engineer/Scientist	\$148
Technical Editor	\$126
Field Technician	\$80
Administrative Assistant	\$126
Intern	\$65

*Appearance at depositions and expert witness testimony in court — billed at twice the hourly rate listed above for a minimum of eight hours each day. Professional billing rates, other than for Principal III Engineer/Scientist, will be increased in each of FY 2020/21 and 2021/22 by the Bureau of Labor Statistics' Riverside-San Bernardino-Ontario Consumer Price Index. Professional billing rates for FY 2022/23 and FY 2023/24 will be redetermined in May 2022 by Watermaster's General Manager based on economic conditions.

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Other Direct Costs

ODC Type	Cost
Automobiles	Current IRS Rates
Field Vans	\$0.80 per Mile
Tolls	As incurred at prevailing rates
Internal Printing	
8.5x11 Color	\$0.35 each page
11x17 Color	\$0.50 each page
8.5x11 Black & White	\$0.20 each page
11x17 Black & White	\$0.35 each page
Field Equipment	
Aquacalc	\$28 per day
Low Flow Sampling Device	\$75 per day
Precision Water Level Meter	\$19 per day
Pygmy Flow Meter	\$28 per day
Sump Pump	\$24 per day
Water Level Meter	\$32 per day
Water Quality Meter	\$27 per day
Turbidity Meter	\$22 per day
Rental Equipment and All Other ODCs	Passed through with no mark-up



CHINO BASIN WATERMASTER

ADVISORY COMMITTEE

June 20, 2024

INLAND EMPIRE UTILITIES AGENCY REPORTS

The following items are provided for receive and file.

- Metropolitan Water District Activities Report
- Water Supply Conditions
- State and Federal Legislative Reports

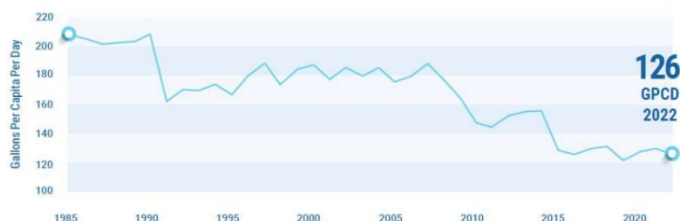
For More Information Contact:

 Eddie Lin
 elin@ieua.org
 909.993.1740

See www.MWDh2o.com for the latest information from MWD and tune into livestream broadcasts of meetings.

MWD Potable Per Capita Water Use Down Nearly 40%

Since 1990, MWD has experienced potable per capita water use decline by nearly 40%. This decrease is largely associated with increases in conservation and the adoption of recycled water use.



MWD Continues to Discuss Business Model Refinement

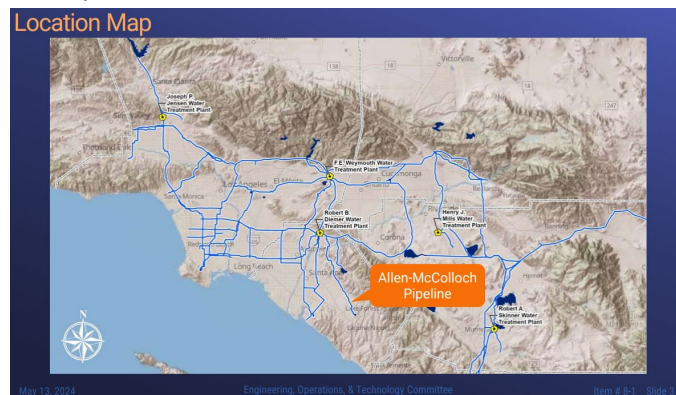
On May 30, 2024, the Subcommittee on Long-Term Regional Planning Processes and Business Modeling met to continue discussion on refining the MWD business model as part of the CAMP4W process. 2024 MWD sales are projected to be 1.17 million acre-feet (AF), the lowest in over 30 years. Currently, treatment costs are 85% fixed, while the revenue collection is structured as a per AF charge making it 100% variable. As part of the adoption of the latest rates, there was board direction to consider modification of how the treatment surcharge is calculated. Other topics discussed included the history of the Local Resource Program, which MWD has invested \$1.6 Billion into since its inception in the early 1980's and has generated 8,252,000 AF of supplies.

MWD Board Adopts Resolution to Continue Standby Charge for FY 24/25

On May 14, 2024, the MWD board approved a Resolution to continue the Water Standby Charge for fiscal year 2024/2025. Twenty-two MWD member agencies previously elected to pay all or a portion of their Readiness-to-Serve (RTS) charge obligation through the continuance of MWD's water standby charge collected from parcels or acres within those member agencies' service areas. This action follows approval of the RTS charge in April 2024. The option to participate in the Standby Charge is no longer available.

MWD Board Approves Contract for Allen-McColloch Pipeline Rehabilitation

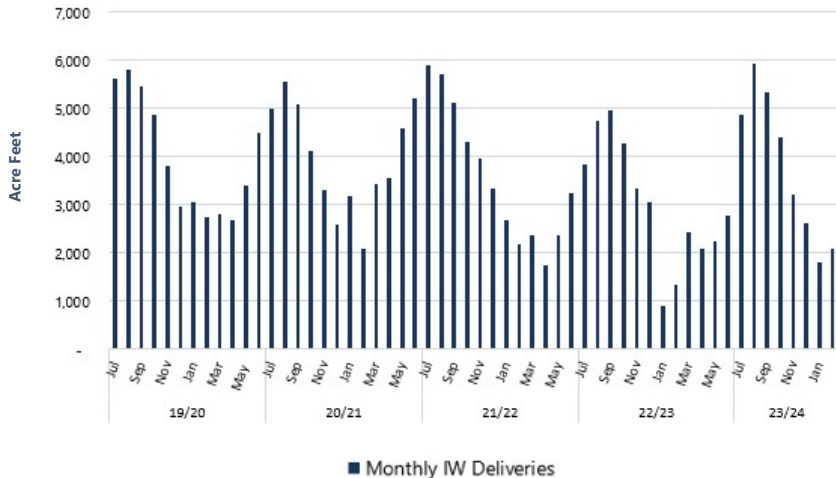
On May 14, 2024, the MWD board of Directors awarded a \$24,912,000 contract to J.F. Shea Construction Inc. for urgent rehabilitation of prestressed concrete cylinder pipe portions of the Allen-McColloch Pipeline. The award covers a complete steel relining of the prestressed concrete cylinder pipeline downstream of OC-88 Pump Station. A complete relining was determined to be the most efficient, cost-effective way to minimize service interruptions and reduce the risk of concrete failure after consultation with Municipal Water District of Orange County.



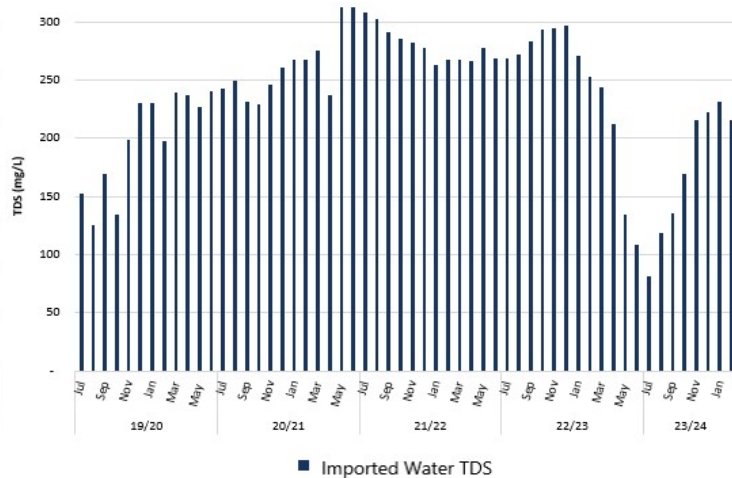
Approved Rates and Charges from May 2024, MWD Engineering, Operations, Technology Committee.

Imported Water

Full Service Imported Water Deliveries Summary
(FY 2019/20 to 2023/24)

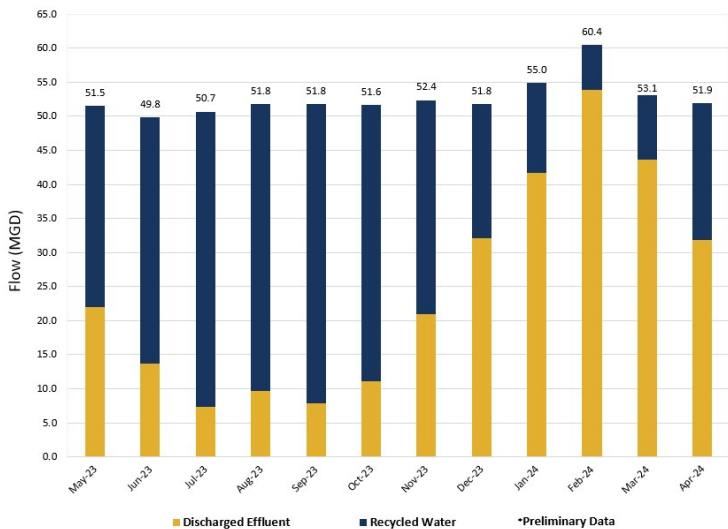


Imported Water TDS Summary
(FY 2019/20 to 2023/24)

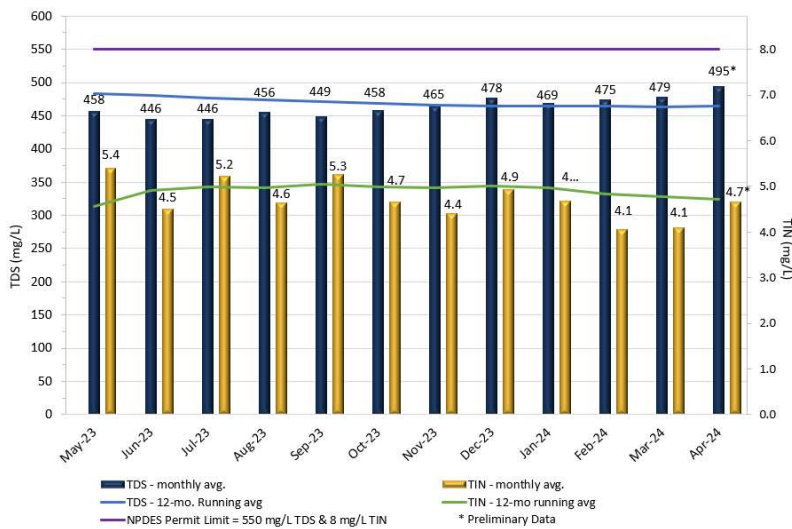


Recycled Water

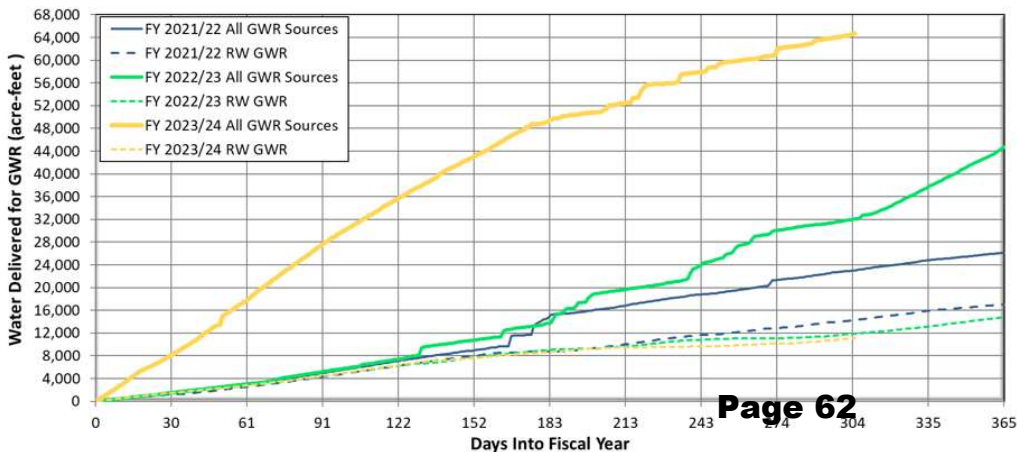
Recycled Water Use



Agency-Wide Effluent TDS & TIN



Groundwater Recharge



APRIL 2024 NOTES:

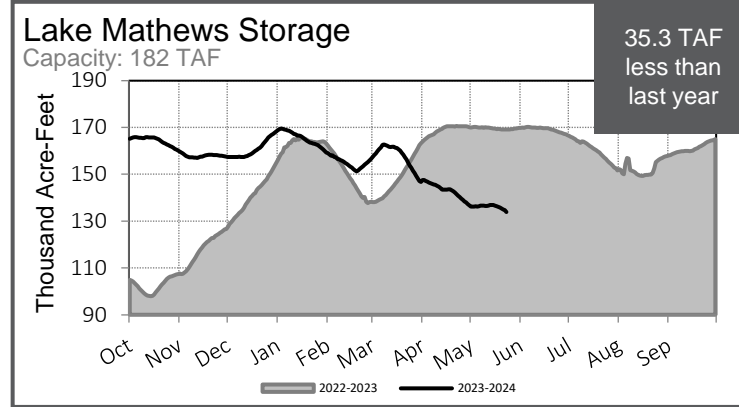
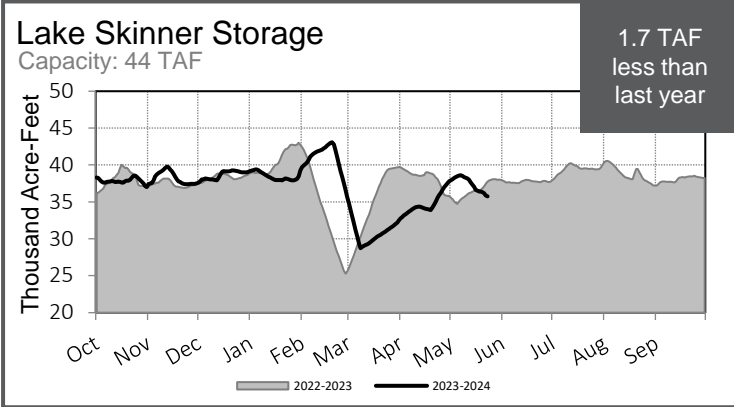
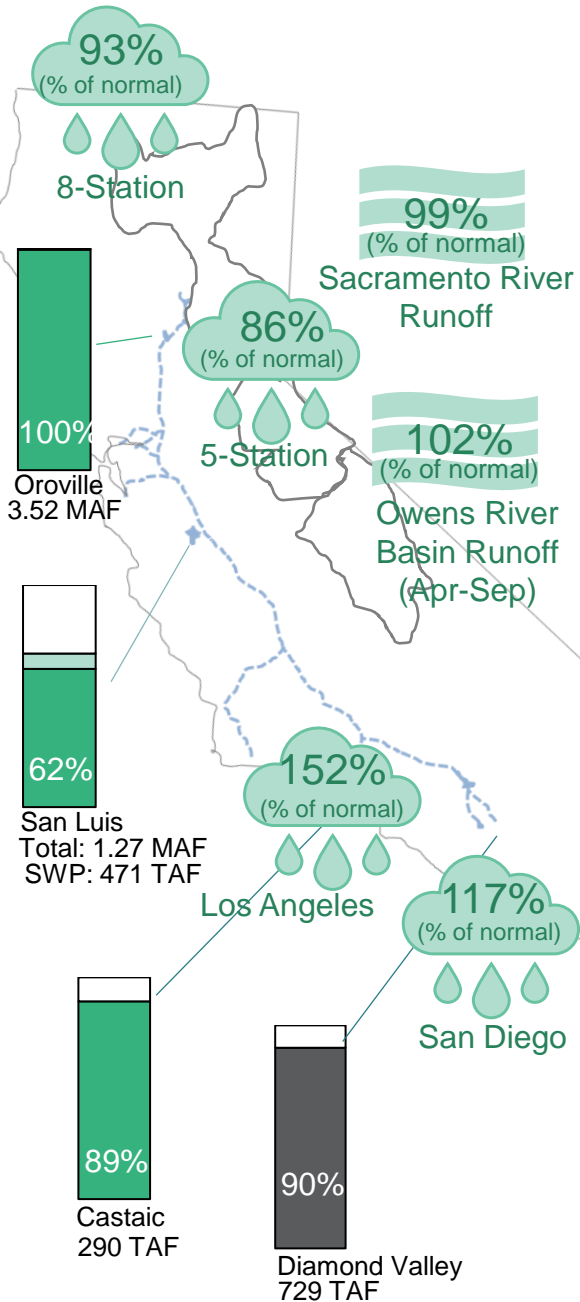
- Total stormwater and dry weather flow recharged was preliminarily estimated at 974 acre-feet.
- Recycled water delivered for recharge totaled 984 acre-feet.
- There was 583 acre-feet of imported water recharged in the Chino Basin from MWD and SAWCo.
- Chino Basin Watermaster removed 4.2% for evaporation losses from delivered supplemental water sources (imported water and recycled water).
- Considering evaporation losses, total recharge was preliminarily estimated at 2,475 acre-feet.



2024 SWP Table A – 40% - 764,600 AF

Projected 2024 CRA Diversions – 959,000 AF

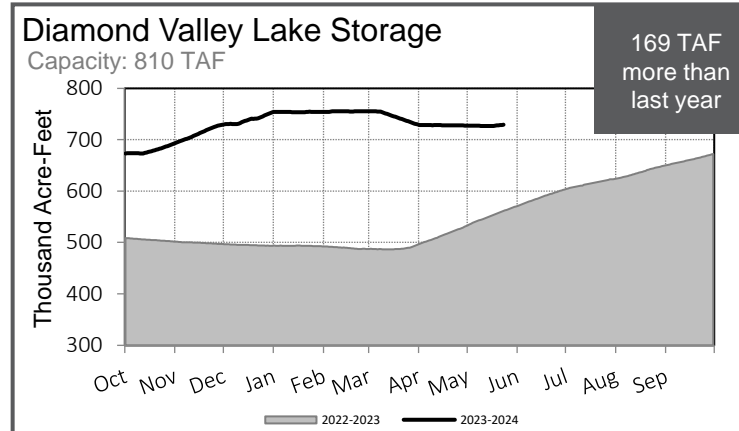
Metropolitan Resources



MWD WSDM Storage

Calendar Year 2024

	Put Capacity (2024)
Lake Mead ICS	78,000 acre-feet
State Water Project System	302,000 acre-feet
In-Region Supplies and WSDM Actions	109,000 acre-feet



Highlights

Learn more about imported supplies:

State Water Project: <https://www.mwdh2o.com/state-water-project-map/>
 Colorado River Aqueduct: <https://www.mwdh2o.com/colorado-river-aqueduct-map/>



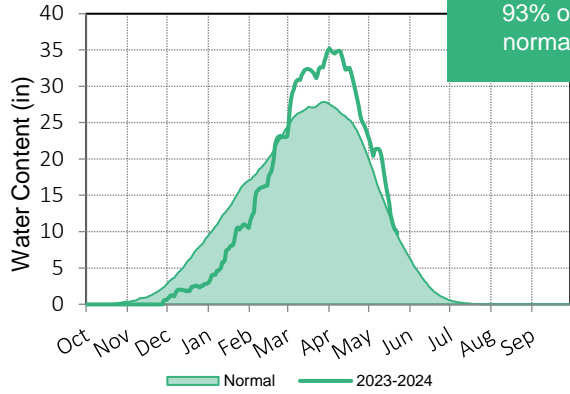
This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale.

State Water Project Resources

As of: 05/22/2024

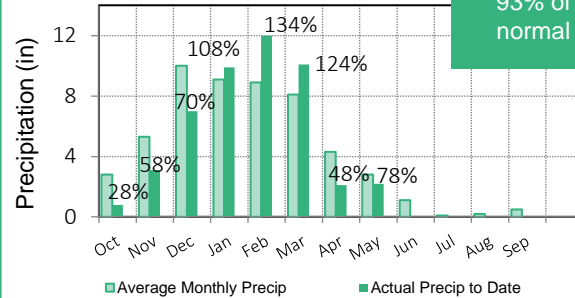
Northern Sierra Snowpack

9.7 in
93% of normal



8 Station Index Precipitation

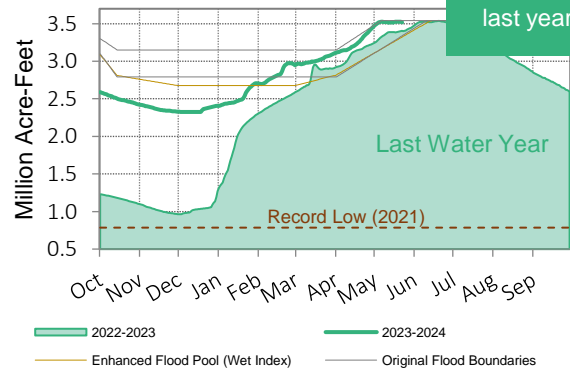
47.2 in
93% of normal



Oroville Reservoir Storage

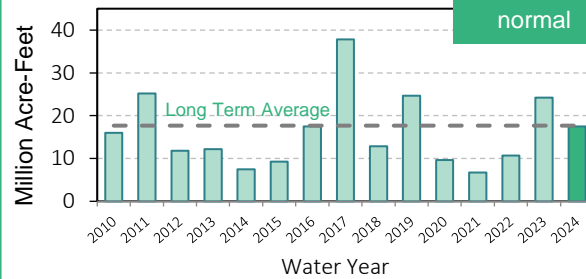
Capacity: 3.54 MAF

112 TAF
more than last year



Sacramento River Runoff

Forecast:
99% of normal



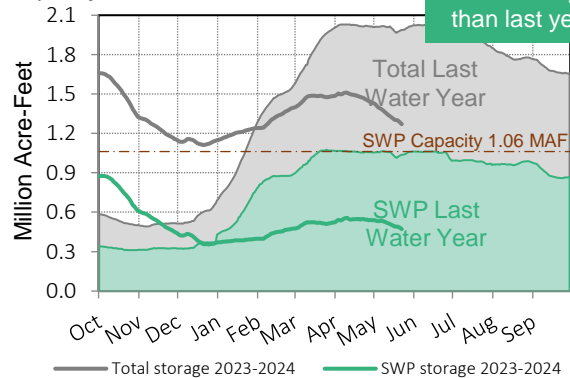
Other SWP Supplies - Carryover

- Article 56c 200,000 acre-feet
- Article 12e 8,400 acre-feet
- Article 14b 19,500 acre-feet

San Luis Reservoir Storage

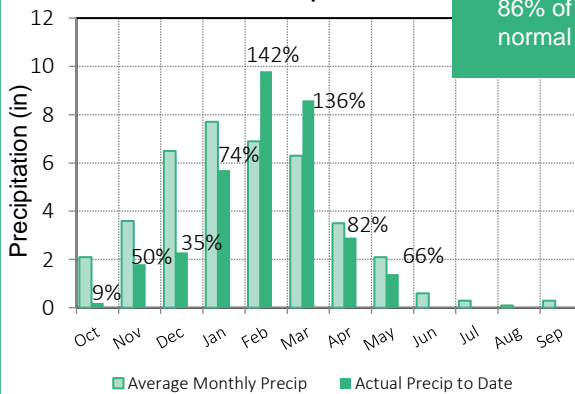
Capacity: 2.04 MAF

566 TAF less
SWP storage
than last year



5 Station Index Precipitation

32.7 in
86% of normal

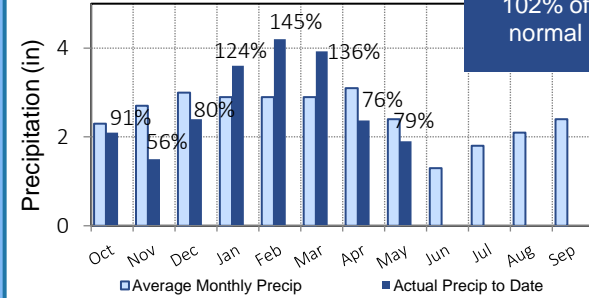


Colorado River Resources

As of: 05/22/2024

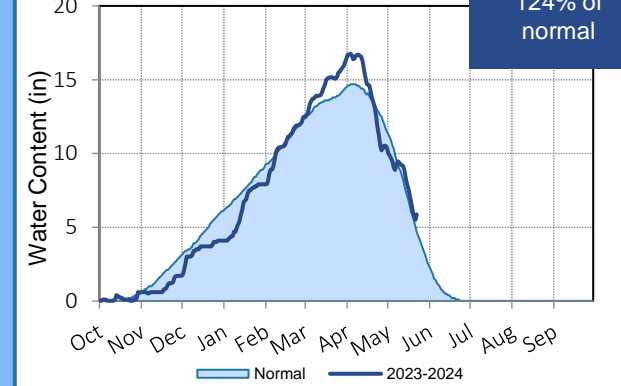
Upper Colorado Precipitation

21.7 in
102% of normal



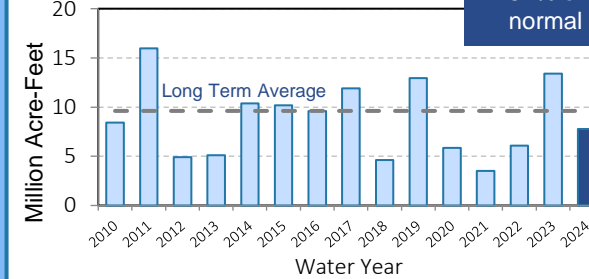
Upper Colorado Snowpack

5.9 in
124% of normal



Powell Unregulated Inflow

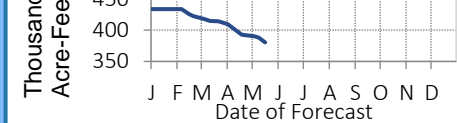
Forecast:
81% of normal



PVID/Yuma Agricultural Use

Annual Forecasted for 2024

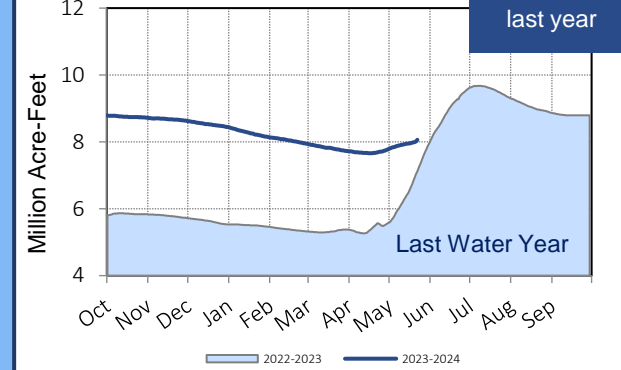
Forecasted
Use for 2024:
380 TAF



Lake Powell Storage

Capacity: 24.3 MAF

925 TAF
more than last year



Projected Lake Mead ICS

Calendar Year 2024

Put (+) / Take (-)
-65,000

Lake Mead Surplus/Shortage Outlook

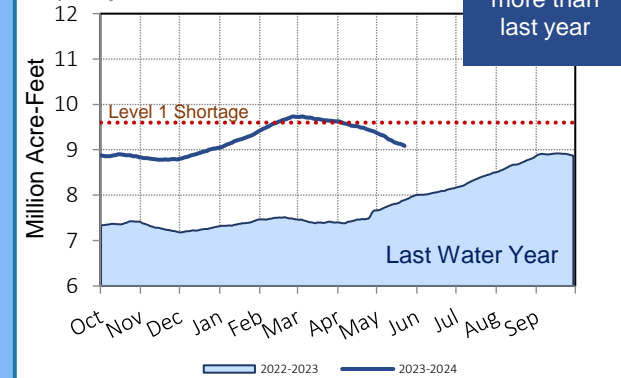
	2024	2025	2026
Surplus	0%	0%	0%
Shortage	100%	90%	83%
Metropolitan DCP*			10% 195 TAF

Likelihood based on results from the January 2024 CRMMS in Ensemble Model/CRSS model run. Includes DCP Contributions.
* Chance of required DCP contribution by Metropolitan. Volume is average contribution when needed.

Lake Mead Storage

Capacity: 26.1 MAF

1.19 MAF
more than last year



IEUA BILLS— May 28, 2024

Bill Number	Author/Sponsor	Title and/or Summary	Summary	IEUA Position/ Bill Location	Positions Taken by Associations & Regional Agencies
Bills With Positions					
AB 1820	Schiavo (D)	Housing development projects: applications: fees and exactions.	This bill would authorize a development proponent that submits a preliminary application for a housing development project to request a preliminary fee and exaction estimate, as defined, and would require the local agency to provide the estimate within 20 business days of the submission of the preliminary application. For development fees imposed by an agency other than a city or county, the bill would require the development proponent to request the fee schedule from the agency that imposes the fee.	NEUTRAL In Senate awaiting committee assignment	ACWA- Neutral
AB 2079	Bennett (D)	Groundwater extraction: large-diameter, high-capacity wells: permits.	This bill would require a local enforcement agency, as defined, to perform specified activities at least 30 days before determining whether to approve a permit for a new large-diameter, high-capacity well, as defined. By imposing additional requirements on a local enforcement agency, the bill would impose a state-mandated local program. The bill would require a groundwater sustainability agency with oversight for the area of the basin where the local enforcement agency has well permitting jurisdiction to provide specified information to the local enforcement agency, including, but not limited to, the name of the applicable groundwater sustainability agency, the agency manager and contact information, and the applicable sustainable management criteria related to groundwater levels, including the groundwater level measurable objectives and minimum thresholds. The bill would provide various requirements for the local enforcement agency to consider before approving or denying a permit. The bill would provide exemptions for its provisions for specified wells if they are proposed to be constructed with well screens and pump depths below the applicable minimum thresholds for groundwater levels as reported by the groundwater sustainability agency. The bill would provide that its provisions apply only to applications for permits for the construction, maintenance, abandonment, or destruction of water wells in basins identified in the Department of Water Resources Bulletin 118.	NEUTRAL In Senate awaiting committee assignment	ACWA oppose unless amended
SB 366	Caballero (D)	The California Water Plan:	This bill would revise and recast certain provisions regarding The California Water Plan to, among other things, require the department to	SUPPORT	ACWA support SCWC Support

Note: Bills in Italics have failed and will not continue in 2024.

	CMUA	long-term supply targets	instead establish a stakeholder advisory committee and to expand the membership of the committee to include tribes, labor, and environmental justice interests. The bill would require the department, in coordination with the California Water Commission, the State Water Resources Control Board, other state and federal agencies as appropriate, and the stakeholder advisory committee to develop a comprehensive plan for addressing the state's water needs and meeting specified long-term water supply targets established by the bill for purposes of "The California Water Plan."	TWO YEAR BILL Asm. Water, Parks & Wildlife Committee	
SB 903	<i>Skinner (D)</i>	<i>Environmental health: product safety: perfluoroalkyl and polyfluoroalkyl substances.</i>	<i>This bill would, beginning January 1, 2030, prohibit a person from distributing, selling, or offering for sale a product that contains intentionally added PFAS, as defined, unless the Department of Toxic Substances Control has made a determination that the use of PFAS in the product is a currently unavoidable use, the prohibition is preempted by federal law, or the product is used. The bill would specify the criteria and procedures for determining whether the use of PFAS in a product is a currently unavoidable use, for renewing that determination, and for revoking that determination. The bill would require the department to maintain on its internet website a list of each determination of currently unavoidable use, when each determination expires, and the products and uses that are exempt from the prohibition. The bill would impose a civil penalty for a violation of the prohibition, as specified. The bill would establish the PFAS Penalty Account and require all civil penalties received to be deposited into that account and, upon appropriation by the Legislature, to be used for the administration and enforcement of these provisions, as specified. This bill would, by January 1, 2027, require the department to adopt regulations to carry out the provisions of this bill. The bill would require the regulations to establish and provide for the assessment of an application fee. The bill would create the PFAS Oversight Fund and require all application fees to be deposited into the fund. The bill would require moneys in the account, upon appropriation by the Legislature, to be used to cover the department's reasonable costs of administering this act. This bill contains other existing laws.</i>	<i>SUPPORT</i> <i>HELD Senate Appropriations Committee</i>	<i>CASA Sponsor ACWA Support</i>
SB 937	Wiener	Development projects: permits and other entitlements: fees and charges	This bill would extend by 24 months the period for the expiration, effectuation, or utilization of a housing entitlement, entitlement for a priority residential development project, as those terms are defined, that was issued before January 1, 2024, and that will expire before December 31, 2025, except as specified. The bill would toll this 24-month extension during any time that the housing entitlement is the subject of a legal challenge. By adding to the duties of local officials with respect to housing entitlements, this bill would impose a state-mandated local program. The bill would include findings that changes proposed by this bill address a matter of statewide concern rather than a municipal affair and, therefore, apply to all cities, including charter cities.	Neutral In Assembly awaiting committee assignment	ACWA Neutral
SB 1210	Skinner (D)	New housing construction:	This bill would, for new housing construction, require the above-described utilities, on or before January 1, 2026, to publicly post on their internet	Neutral	ACWA, CMUA Neutral

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		electrical, gas, sewer, and water service connections: charges	websites (1) the schedule of fees for a service connection, capacity, or other point of connection charge for each housing development type, including, but not limited to, accessory dwelling unit, mixed-use, multifamily, and single-family developments, except as specified, and (2) the estimated timeframes for completing typical service connections needed for each housing development type, as specified. The bill would exempt from its provisions an independent special district that does not maintain an internet website due to a hardship, as provided. To the extent that this bill imposes new requirements on certain local agencies, the bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws.	In Assembly awaiting committee assignment	
SB 1218	Newman (D)	Water: emergency water supplies	This bill would declare that it is the established policy of the state to encourage and incentivize, but not mandate, the development of emergency water supplies, and to support their use during times of water shortage.	SUPPORT In Assembly awaiting committee assignment	IRWD Sponsor SCWC Support
Priority Watch Bills					
AB 817	Pacheco (D)	Open meetings: teleconferencing: subsidiary body	This bill, until January 1, 2026, would authorize a subsidiary body, as defined, to use similar alternative teleconferencing provisions and would impose requirements for notice, agenda, and public participation, as prescribed. In order to use teleconferencing pursuant to this act, the bill would require the legislative body that established the subsidiary body by charter, ordinance, resolution, or other formal action to make specified findings by majority vote, before the subsidiary body uses teleconferencing for the first time and every 12 months thereafter.	TWO YEAR BILL 6/5 Senate Local Government Committee	ACWA Support
AB 1573	Friedman (D)	Water conservation: landscape design: model ordinance	This bill would require the updated model ordinance to include provisions that require that plants included in a landscape design plan be selected based on their adaptability to climatic, geological, and topographical conditions of the project site, as specified. The bill would also exempt landscaping that is part of a culturally specific project, as defined, ecological restoration projects that do not require a permanent irrigation system, mined-land reclamation projects that do not require a permanent irrigation system, and existing plant collections, as part of botanical gardens and arboretums open to the public, from the model ordinance. The bill would require the updated model ordinance to include provisions that, among other changes, prohibit the use of traditional overhead sprinklers on all new and rehabilitated landscapes and require that new and rehabilitated landscapes use only water efficient irrigation devices.	TWO YEAR BILL In Senate awaiting committee assignment	ACWA- Oppose unless amended
AB 1827	Papan (D)	Local government: fees and charges: water: higher-	This bill would provide that the fees or charges for property-related water service imposed or increased, as specified, may include the incrementally higher costs of water service due to specified factors, including the higher water usage demand of parcels. The bill would provide that the costs associated with higher water usage demands, the maximum potential water use, or a projected peak water usage demand may be allocated using any	In Senate awaiting committee assignment	IRWD Sponsor ACWA, SCWC Support

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		consumptive water parcels.	method that reasonably assesses the water service provider's cost of serving those parcels that are increasing potential water usage demand, maximum potential water use, or project peak water use demand. The bill would declare that these provisions are declaratory of existing law. This bill contains other existing laws.		
AB 2257	Wilson (D)	Local government: property-related water and sewer fees and assessments: remedies.	This bill would prohibit, if a local agency complies with specified procedures, a person or entity from bringing a judicial action or proceeding alleging noncompliance with the constitutional provisions for any new, increased, or extended fee or assessment, as defined, unless that person or entity has timely submitted to the local agency a written objection to that fee or assessment that specifies the grounds for alleging noncompliance, as specified. This bill would provide that local agency responses to the timely submitted written objections shall go to the weight of the evidence supporting the agency's compliance with the substantive limitations on fees and assessments imposed by the constitutional provisions. The bill would also prohibit an independent cause of action as to the adequacy of the local agency's responses. This bill contains other related provisions and other existing laws.	In Senate awaiting committee assignment	ACWA Sponsored bill
AB 2346	Lee (D)	Organic waste reduction regulations: procurement of recovered organic waste products.	This bill would authorize local jurisdictions to be credited for the procurement of recovered organic waste products through an agreement with a direct service provider, as defined, and would allow the direct service provider agreement to include the procurement of recovered organic waste products on a prospective or retrospective basis as long as the purchase of those products occurs during the year for which the local jurisdiction seeks credit. The bill would also authorize local jurisdictions to count towards their procurement targets, compost produced and procured from specified compost operations, as defined, and, until 2030, investments made for the expansion of the capacity of compostable materials handling operations or community composting operations, as provided.	Senate Environmental Quality Committee	
AB 2409	Papan (D)	<i>Office of Planning and Research: permitting accountability transparency dashboard.</i>	<i>The bill would also require the dashboard to include, but not be limited to, information for each permit to be issued by a state agency that is required for the completion of the project, including, among other requirements, the permit application submission date. The bill would require each state agency with a responsibility for issuing a permit for a covered project to provide information in the appropriate time and manner as determined by the office. The bill would also make related findings and declarations.</i>	<i>Held in Asm. Appr. Comm</i>	<i>CMUA Sponsor</i>
AB 2515	Papan (D)	Menstrual products: perfluoroalkyl and polyfluoroalkyl substances (PFAS)	This bill would similarly prohibit any person from selling in the state any menstrual products that contain regulated PFAS, as defined. The bill would require, no later than January 1, 2027, the Department of Toxic Substances Control (DTSC), in consultation with the State Department of Public Health, to identify and assess the hazards of chemicals or chemical classes that can provide the same or similar function in menstrual products as regulated PFAS and that can impact vulnerable populations and to make this information publicly available on the DTSC's internet website. The bill would authorize the department to adopt regulations, as specified, for the	In Senate awaiting committee assignment	

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			purposes of implementing and enforcing these provisions. The bill would make a violation of these provisions punishable by civil fines, as specified, and would make any fine or order by the department appealable to the Board of Environmental Safety. The bill would create, and would require all fines collected by the department to be deposited in, the T.A.M.P.O.N. Act Fund. The bill would also authorize any person to bring an action in superior court for a violation of this prohibition, and would authorize the court to grant injunctive relief. This bill contains other existing laws.		
<i>AB 2626</i>	<i>Dixon (R)</i>	<i>Advanced Clean Fleets regulations: local governments.</i>	<i>This bill would extend the compliance dates for local government set forth in the Advanced Clean Fleets Regulation by 10 years. The bill would prohibit the state board from taking enforcement action against a local government for violating the Advanced Clean Fleets Regulation if the alleged violation occurs before January 1, 2025. This bill contains other existing laws.</i>	<i>Failed deadline</i>	
AB 2729	Patterson, Joe (R)	Residential Fees and Charges	Existing law prohibits a local agency that imposes fees or charges on a residential development for the construction of public improvements or facilities from requiring the payment of those fees or charges until the date of the final inspection or the date the certificate of occupancy is issued, whichever occurs first, except that the payment may be required sooner if the local agency determines that the fees or charges will be collected for public improvements or facilities for which an account has been established and funds appropriated and for which the local agency has adopted a proposed construction schedule or plan prior to final inspection or issuance of the certificate of occupancy, or if the fees or charges are to reimburse the local agency for expenditures previously made. This bill would delete the above-described authorization for a local agency to require payment of fees or charges prior to the date of final inspection or issuance of the certificate of occupancy, whichever occurs first.	In Senate awaiting committee assignment	
AB 2735	Rubio, B (D)	Joint powers agreements: public utilities	This bill would authorize a public utility, as defined, to enter into a joint powers agreement with a public agency for the purpose of jointly exercising any power common to the contracting parties. The bill would also authorize a public utility and one or more public agencies to provide insurance, as specified, by a joint powers agreement. The bill would also authorize a public utility and one or more public agencies to enter into a joint powers agreement for the purposes of risk-pooling, as specified.	In Senate awaiting committee assignment	CA Water Assn. Sponsor
AB 2875	Friedman (D)	Wetlands: state policy	This bill would declare that it is the policy of the state to ensure no net loss and long-term gain in the quantity, quality, and permanence of wetlands acreage and values in California. The bill would make related legislative findings and declarations.	In Senate awaiting committee assignment	
AB 2947	Lackey (R)	Water: turfgrass conversion	<i>This bill would prohibit the department, when it allocates funding for turf replacement programs, from excluding urban water suppliers' turfgrass conversion rebate programs if the rebate program requires the recipient of a rebate to achieve a net water savings and to use the most efficient turfgrass irrigation equipment, as provided. The bill would require an</i>	<i>Held in Asm. Appr Comm</i>	<i>Sponsor: Scott's Miracle Grow</i>

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			<i>urban water supplier that offers a turfgrass conversion rebate program to report annually to the department on the number of turfgrass conversions that are funded through the program and the estimated water savings from the program.</i>		
<i>AB 3050</i>	<i>Low (D)</i>	<i>Artificial intelligence</i>	<i>This bill would require the Department of Technology to issue regulations to establish standards for watermarks to be included in covered AI-generated material, as defined. The bill would require the department's standard to, at minimum, require an AI-generating entity to include digital content provenance in the watermarks. The bill would prohibit an AI-generating entity from creating covered AI-generated material unless the material includes a watermark that meets the standards established by the department. The bill would provide that the prohibition becomes operative on the date that is one year after the date on which the department issues the regulations to establish standards for watermarks. This bill contains other related provisions and other existing laws.</i>	<i>Failed Deadline</i>	
<i>AB 3073</i>	<i>Haney (D)</i>	<i>Wastewater testing: illicit substances</i>	<i>The bill would require the department, on or before July 1, 2025, to solicit voluntary participation from local public health agencies and wastewater treatment facilities, as specified. The bill would require the department to work with the participating agencies and facilities to collect samples and to arrange for those samples to be tested by qualified laboratories. The bill would require the department, in consultation with public health agencies and subject matter experts, to analyze test results to determine possible public health interventions.</i>	<i>Held in Asm. Appr. Comm</i>	<i>CASA Support ACWA Watch</i>
<i>AB 3121</i>	<i>Hart (D)</i>	<i>Urban retail water suppliers: written notice: conservation order: dates.</i>	<i>This bill would instead provide that the date the board is authorized to issue a written notice to January 1, 2026 and a conservation order to January 1, 2027.</i>	<i>Senate Natural Resources & Water Committee</i>	
<i>AB 3219</i>	<i>Shanchez (R)</i>	<i>Advanced Clean Fleets regulations: local governments</i>	<i>This bill would provide that the requirements of the Advanced Clean Fleets Regulation do not apply to the purchase by a local government of vehicles with a gross vehicle weight rating greater than 8,500 pounds if the price of the zero-emission version of a vehicle is more than an unspecified percentage of the price of a comparable internal combustion engine version of that vehicle.</i>	<i>Failed Deadline</i>	
<i>SB 1110</i>	<i>Ashby (D)</i>	<i>Urban retail water suppliers: informational order: conservation order</i>	<i>This bill would require the board to additionally consider lower cost actions the water supplier has implemented or will implement in order to help the water supplier achieve overall water supply resiliency in determining whether to issue an informational order. This bill contains other related provisions and other existing laws.</i>	<i>In Assembly awaiting committee assignment</i>	<i>ACWA Favor</i>
<i>SB 1135</i>	<i>Limon (D)</i>	<i>Greenhouse Gas Reduction Fund:</i>	<i>This bill, in the 2025–26 fiscal year through the 2035–36 fiscal year, would transfer 1% of the annual proceeds of the Greenhouse Gas Reduction Fund, not to exceed \$120,000,000 per fiscal year, to the California</i>	<i>Held in Sen Appr. Comm</i>	

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		<i>income taxes: credit</i>	<i>Compost Tax Credit Fund, which the bill would establish. This bill contains other related provisions and other existing laws.</i>		
<i>SB 1147</i>	<i>Portantino (D)</i>	<i>Drinking water: bottled water: microplastics levels</i>	<i>This bill would require, among other things, the Office of Environmental Health Hazard Assessment (OEHHA) to study the health impacts of microplastics in drinking water, including bottled water, in order to evaluate and identify safe and unsafe levels of microplastics in those types of water, and, on or before January 1, 2026, to develop and deliver to the state board, among other things, public health standards and goals for a safe level of microplastics in those waters. The bill would require the state board, on or before January 1, 2028, to adopt and implement those public health standards and goals developed and delivered by OEHHA, and to provide those public health standards and goals to local water agencies, along with other specified information provided by OEHHA. The bill would also require the state board to establish testing and reporting requirements for an annual testing of microplastics in bottled water sold in or into this state, as specified.</i>	<i>Failed Deadline</i>	<i>ACWA & CASA oppose unless amended</i>
<i>SB 1259</i>	<i>Niello (R)</i>	<i>California Environmental Quality Act: judicial review</i>	<i>The bill would authorize the motion to be heard on shortened time at the court's discretion. The bill would authorize a plaintiff or petitioner to request the court's permission to withhold the public disclosure of a person or entity who made a monetary contribution. The bill also would require the plaintiff or petitioner to use reasonable efforts to identify the actual persons or entities that are the true source of the contributions, to include the exact total amount contributed, and to identify any pecuniary or business interest related to the project of any person or entity that contributes in excess of \$10,000 to the costs of the action, as specified. The bill would, except as provided, prohibit those disclosures from being admissible into evidence for any purpose. The bill would provide that a failure to comply with these requirements may be grounds for dismissal of the action by the court.</i>	<i>Failed passage in Env. Quality</i>	
<i>SB 1330</i>	<i>Archuleta (D)</i>	<i>Urban retail water supplier: water use</i>	<i>This bill would require the board to adopt variances recommended by the department for unique uses that can have a material effect on an urban retail water supplier's urban water use objective. The bill would provide that variances adopted by the board shall not be subject to a threshold of significance. The bill would require an urban retail water supplier to self-certify the amount of water included in its urban water use objective that is attributable to a variance.</i>	<i>In Assm awaiting committee assignment</i>	<i>ACWA Support</i>
<i>SB 1390</i>	<i>Caballero (D)</i>	<i>Groundwater recharge: floodflows: diversion</i>	<i>This bill would extend the operation of these requirements to diversions commenced before January 1, 2034. The bill would revise, recast, and expand the conditions that are required to be met to include a requirement that a local or regional agency make a declaration that its proposed diversion is in accordance with one of certain enumerated plans relating to flood control or flood risk, as specified, or a county emergency operations plan. The bill would also require the final report to contain information, if applicable, describing the forecasting models used to determine a likely</i>	<i>In Assm awaiting committee assignment</i>	

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			imminent escape of surface water and a description of the methodology used to determine the abatement of flood conditions.		
SB 1402	Min (D)	30x30 goal: state agencies: adoption, revision, or establishment of plans, policies, and regulations	This bill would require all state agencies, departments, boards, offices, commissions, and conservancies to consider the 30x30 goal when adopting, revising, or establishing plans, policies, and regulations.	In Assm awaiting committee assignment	

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FY25 Appropriations Update

House Appropriations Committee Chair Tom Cole (R-OK) announced several important fiscal year (FY) 2025 appropriations updates, including subcommittee allocations and a markup schedule for all twelve annual appropriations bills. Funding levels include defense and non-defense spending as developed by the *Fiscal Responsibility Act of 2023*.

FY25 Appropriations Bill	Subcommittee Allocation (in billions)	Subcommittee Markup Date	Full Committee Markup Date
Agriculture-Rural Development	\$25.873	June 11 th	July 10 th
Commerce-Justice-Science	\$78.288	June 12 th	July 9 th
Defense	\$833.053	June 5 th	June 13 th
Energy-Water Development	\$59.19	June 28 th	July 9 th
Financial Services	\$23.608	June 5 th	June 13 th
Homeland Security	\$64.805	June 4 th	June 12 th
Interior-Environment	\$37.739	June 28 th	July 9 th
Labor-HHS	\$186.586	June 27 th	July 10 th
Legislative Branch	\$7.125	May 23 rd	June 13 th
MilCon-VA	\$147.520	May 21 st	May 23 rd
State-Foreign Ops	\$51.713	June 4 th	June 12 th
THUD	\$90.4	June 27 th	July 10 th

Additionally, House Members have submitted their fifteen community project requests to the House Appropriations Committee for consideration in the appropriations bills. Members are required to post their projects lists on their websites. For IEUA, Rep. Torres submitted the Chino Basin Advanced Water Purification Demonstration Facility request to the Committee for \$3 million.

EPA Releases National Security Memorandum for Critical Infrastructure

The Environmental Protection Agency (EPA) released a new [National Security Memorandum](#) (NSM) to replace the decade-old presidential policy document on critical infrastructure protection. The NSM clarifies the roles and responsibilities of the lead

federal agencies identified to improve the resilience of our critical infrastructure sectors against all hazards. EPA is the lead federal agency for the water sector. The NSM also implements a coordinated nationwide approach to assess and manage sector-specific risks.

Congress Begins Consideration of Farm Bill

The House Agriculture Committee approved [H.R. 8467, the Farm, Food, and National Security Act of 2024](#), with a 33 to 21 vote. This bill aims to reauthorize funding for food and farm assistance programs through FY 2029. Meanwhile, the Senate Agriculture Committee introduced their version, [the Rural Prosperity and Food Security Act](#). Congress must act quickly to reconcile differences between the two proposals, as funding for existing programs established by the 2018 farm bill will expire on September 30th unless lawmakers pass new legislation or an extension.

Legislative Activity

House Passes Special District Grant Accessibility Act. On May 7th, the House passed the *Special District Grant Accessibility Act* ([H.R. 7525](#)) by a vote of 352-27. The legislation would require that special districts be recognized as units of local government for the purposes of federal grant eligibility. The bill was transmitted to the Senate and referred to the Homeland Security and Government Affairs Committee for consideration.

Federal Funding Opportunities & Announcements

EPA Publishes Clean Heavy-Duty Vehicles Grant Program NOFO. EPA published a [NOFO](#) for \$932 million in competitive grant funding under the Clean Heavy-Duty Vehicles Program. The program will help support the replacement of existing non-zero-emission Class 6 and 7 heavy-duty vehicles with zero-emission Class 6 and 7 heavy-duty vehicles (including some transit vehicles). Applications are due by July 25, 2024.

EPA Announces \$3 Billion for Lead Pipe Replacement. EPA [announced](#) \$3 billion in funding to help all states and territories identify and replace lead service lines through the Lead Service Line formula grant program. The awarded funding will be proportional to the number of lead service lines identified in each state or territory. In addition, EPA released a [memo](#) and [outreach documents](#) that clarify how states and territories can use this funding and other funding opportunities to reduce lead exposure in drinking water.

Reclamation Announces Funding for Endangered Species Protection and Conservation in the Colorado River Basin. The Bureau of Reclamation (Reclamation) [announced](#) \$21 million for endangered species recovery and conservation in the Colorado River Basin.

Reclamation Announces Funding for Large-Scale Water Recycling. Reclamation [announced](#) \$179.5 million for the first round of funding for the Large-Scale Water

Recycling Program created in the Bipartisan Infrastructure Law. Four programs were selected for funding (three in California and one in Utah).

Reclamation Announces WaterSMART Drought Resiliency Awards. Reclamation [announced](#) \$147.6 million for the FY24 WaterSMART Drought Resiliency grant program. The grants will support building new or upgrading existing infrastructure, recharging aquifers, advancing water recycling and treatment, and supporting innovative technology development.

Reclamation Announces Funding for San Joaquin Valley Drought Resilience. Reclamation announced \$81 million through a [Memorandum of Understanding](#) (MOU) signed with the Central Valley Project South-of-Delta contractors – including the San Luis & Delta-Mendota Water Authority, San Joaquin River Exchange Contractors Water Authority and Friant Water Authority. The MOU identifies a framework, long-term drought plan, and a 2024 Pilot Program, including a “drought pool,” to build drought resiliency in the San Joaquin Valley.

Reclamation Announces FY24 Aging Infrastructure Grants. Reclamation [announced](#) \$520 million through the FY24 Aging Infrastructure program. The grants will support projects that improve water conveyance and storage, increase safety, improve hydropower generation, and provide water treatment.

Federal Agency Personnel & Regulatory Announcements

EPA Transmits Clean Watersheds Survey to Congress. EPA [transmitted](#) its 2022 Clean Watershed Needs Survey to Congress. The survey is a comprehensive report on wastewater, stormwater, and other clean water infrastructure needs nationwide. EPA estimates \$630 billion is needed over the next 20 years for clean water infrastructure.

EPA Publishes Final PFOA and PFOS CERCLA Rule. EPA published its [final rule](#) to designate two per- and polyfluoroalkyl substances (PFAS) — perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), including their salts and structural isomers — as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), also known as Superfund. The rule will enable investigation and cleanup of these chemicals and ensure that leaks, spills, and other releases are reported. The rule is effective July 8th.

EPA Issues Final Methane GHG Reporting Rule for Petroleum and Natural Gas Systems. EPA issued a [final rule](#) updating methane emissions reporting requirements for petroleum and natural gas systems through the EPA’s Greenhouse Gas (GHG) Reporting Program. The rule includes provisions that improve the quantification of methane emissions, incorporate advances in methane emissions measurement technology, and streamline compliance with other EPA regulations. The final rule is effective January 1st.

EPA Announces 2023 Top Cities for ENERGY STAR Certified Buildings. EPA announced its [annual Top Cities for ENERGY STAR](#) certified commercial and multifamily buildings for 2023. Los Angeles came in first with 876 certified buildings, followed by Washington, DC, with 631, and New York with 390. The list includes the top 25 cities by metro area, and there are separate top ten lists for mid-sized and small cities.

##



May 29, 2024

To: Inland Empire Utilities Agency

From: Michael Boccadoro
Beth Olhasso

RE: May Report

Overview:

Reservoirs remain full, with the exception of San Luis Reservoir. Water managers hope that as the last of the snow melts, excess water can be moved through the Delta and into storage in San Luis. Lake Oroville is sitting at 99 percent capacity, 126 percent of normal; Lake Shasta is sitting at 96 percent of capacity, 114 percent of average; San Luis Reservoir is at 62 percent of capacity; 85 percent of average.

A recent report by the Department of Water Resources (DWR) highlights how technology is being used and improved to determine if the Delta pumps can be operated when protected fish might or might not be nearby. Using deterrent tactics including sound, bubbles and lights, to using real-time identification of juvenile salmon, managers hope to be able to better manage water exports in coming years.

Southern California Edison (SCE) recently filed preliminary data indicating they intend to lower rates by 9.1 percent in the short-term due to higher than expected demand and lower natural gas prices. Importantly, the filing noted that SCE will file an update in November which could eliminate the decrease or even request an increase. Additionally, SCE still has a massive, 38 percent rate increase pending at the Public Utilities Commission in their General Rate Case.

The “Taxpayer Protection and Government Accountability Act” has gotten its day in the California Supreme Court. Governor Newsom and the Legislature have challenged the constitutionality of the measure that is slated for the November ballot. Legislators, the Governor and associations including the CA Special Districts Association, are using every tool to try to ensure the measure, that would not only make it harder to pass taxes and fees at the state and local level, but eliminate fees imposed going back to 2022, does not appear on the November ballot. The Supreme Court is expected to issue their ruling before the late June deadline for the ballot to be finalized.

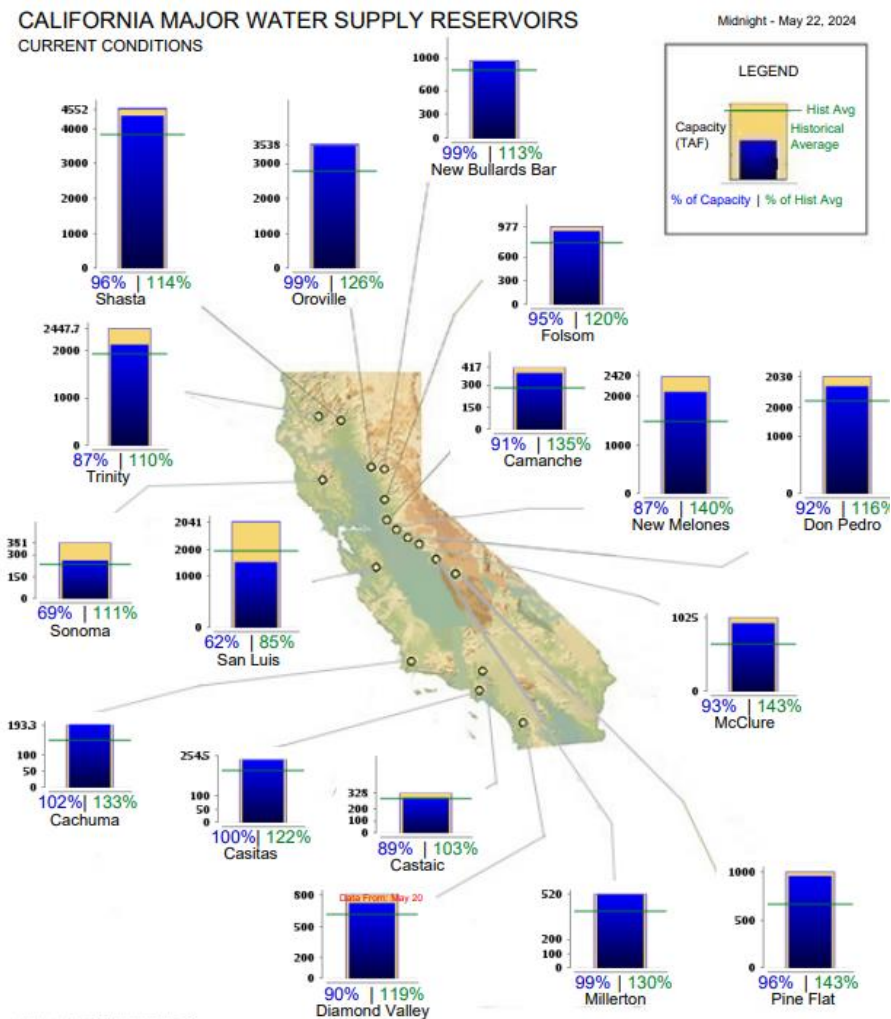
May was a busy month in the Legislature, with bills having to pass through the Appropriations Committee and off the floor of their house of origin by May 24. Of the 2,159 bills introduced in 2024, 1,410 remain for action in the second house. Notably, SB 903 (Skinner), CASA’s bill that regulate PFAS was held on the Appropriations Suspense File due to cost concerns. AB 2109 (Bennett) regarding groundwater wells was amended to exclude wells owned by urban retail water suppliers, remediation wells and injection wells, removing the opposition of the coalition IEUA was working with. Bills addressing urban water use efficiency have been amended to remove all of the substantive changes, as they await greater discussion after the State Water

Board finalizes the regulations later this summer. Policy committees will be ramping up hearings as they hear bills from the other house.

Inland Empire Utilities Agency Status Report – May 2024

Water Supply Conditions

As the heat kicks up, the snowpack is rapidly melting and reservoirs remain above average for this time of year, with the exception of San Luis Reservoir which is limited due to ongoing Delta pumping restrictions. The statewide snowpack is at 60 percent normal for this date. Lake Oroville is at 126 percent of average, 99 percent capacity; Shasta is at 114 percent average, 96 percent capacity; San Luis Reservoir is at 85 percent average, 62 percent capacity, a 10 percent drop in a month. If San Luis is to gain any storage, Delta pumps will need to be running at full blast before releases are slowed down as the summer progresses.



Delta Operations Update

While the water year has been average, State Water Project Contractors are well aware that exports through the Delta have been deeply constrained. Operation of the pumps depends heavily on the number of juvenile steelhead and salmon present at the time of pumping. This spring, higher than expected numbers of winter-run Chinook salmon and steelhead were being collected at a DWR’s Skinner Fish Facility, resulting in significant water export reductions.

DWR recently detailed some of the data collected to help explain what happened.

- 3.4 million salmon tagged with coded wires between late Dec 2023 and March 2024
 - Only 400 caught in fish screens.
 - 1.5 million estimated to have made it to the SF Bay
- “Disco Barriers”- bubbles, lights and sounds used to deter migrating salmon and steelhead from swimming near the pumps and predator rich waters, for the most part succeeded in keeping salmon and steelhead in the Sacramento River contributing to a high-survival rate.
- Rapid genetic technology is being used to determine which Chinook salmon runs are showing up at the fish screens.
 - Determining which river, San Joaquin or Sacramento, the identical looking juvenile salmon come from is critical to determining when the pumps may operate.
 - The rapid technology is only in its second year of testing and it seems that most of the Chinook salmon collected at the fish screens showed most were non-listed runs.
- DWR Conclusion: DWR will use science from genetic and barrier technologies to provide improved assessments of real-time risks so that water operations and environmental protections can be more effectively managed.

Southern California Edison Proposes Rate Reduction

Southern California Edison (SCE) recently filed their initial Energy Resources Recovery Account (ERRA) application which seeks a 9.1 percent decrease in rates. While this is good news, SCE also noted that their October update to the ERRA could result in a net increase to rates. The short-term reduction in rates is resulting from a decrease in forecasted “generation service revenue requirement” and to a lesser extent the “delivery service revenue requirement.”

CUSTOMER BILL IMPACT TABLE

Bundled Average Rates (¢/kWh)				
Customer Group	Current Rates	Proposed Change	Proposed Rates	% Change
Residential	33.8	(2.59)	31.2	-7.7%
Lighting - Small and Medium Power	30.1	(2.27)	27.8	-7.6%
Large Power	20.5	(2.70)	17.8	-13.2%
Agricultural and Pumping	24.0	(2.37)	21.6	-9.9%
Street and Area Lighting	36.5	(2.27)	34.2	-6.2%
Standby	17.0	(2.02)	15.0	-11.9%
Total	28.5	(2.58)	25.9	-9.1%

Additionally, SCE is still seeking a 38 percent increase in rates by 2028 in its current General Rate Case.

CA Supreme Court Hears “Taxpayer Protection and Government Accountability Act” Case

The California Supreme Court heard arguments in early May on the Constitutionality of the initiative that has qualified for the November ballot. As discussed in previous reports, the initiative, filed by the CA Business Roundtable, would not only make it harder for agencies such as IEUA to propose fees for essential services, but retroactively eliminate any fee increases adopted going back to 2022.

Governor Newsom and the Legislature have taken several steps to try to remove the measure from the ballot or make it harder for the initiative to pass, should the Supreme Court allow it to remain on the ballot.

The CA Special Districts Association has been representing the water community on this matter and was a party to an [amicus brief](#) filed with the court. The Court will hand down an opinion by the end of June, which is the deadline for any measures to be removed from the ballot.

FY 24-25 State Budget Update

The Governor released his May Revise on May 10, noting that after the “early budget solutions” a \$27.6B deficit remains. The Governor’s May Revise detail is difficult to follow, even for legislators, who have repeatedly questioned the Department of Finance on not only how decisions were made on what the Governor is proposing to cut, but also the specifics on the cuts being proposed.

California lawmakers recently approved another bill with \$1.6 billion in budget fixes, part of a \$17 billion agreement to shave down the state’s projected deficit. The Legislature’s action comes after Gov. Gavin Newsom, Assembly Speaker Robert Rivas, D-Hollister, and Senate President Pro Tem Mike McGuire, D-Healdsburg, announced they had all agreed to the set of fiscal adjustments. The bill is considered “early action” because leaders are taking steps to address a projected budget deficit of up to \$73 billion before they enter into negotiations over the fiscal year 2024-2025 spending plan.

The latest cuts are part of the overall early action package that contains \$17.3 billion in budget solutions, with \$3.6 billion in cuts, \$5.2 billion in revenue and borrowing, \$5.2 billion in delays and deferrals and \$3.4 billion in cost shifts from the general fund to other state accounts.

Budget committees have had hearings to discuss the Governor’s proposal, but haven’t proposed any measures of their own. With public testimony concluded on the Assembly side, and likely the Senate side as well, budget details will be released and voted on without further input from the public. The legislature has until June 15 to pass a budget, although negotiations will likely commence for several additional weeks prior to the July 1 start of the fiscal year.

Legislative Update

Late May was a busy time in the Legislature with two critical deadlines for bills. Bills needed to clear the Appropriations Committee “Suspense File” by May 17 and then their “House of Origin” by May 24. With a tough budget year, 32 percent of all bills were held in the Appropriations Committees due to significant state costs.

Bills fared slightly better coming off the floor with 61 percent of Assembly bills and 75 percent of Senate bills passing over into the opposite house.

Unfortunately, due to high cost concerns, SB 903 (Skinner), CASA’s bill to regulate PFAS was held in Appropriations Committee. CASA has indicated they are ready for a multi-year effort and plan to introduce the bill again in 2025.

Other priority legislation for 2024 include:

Water Use Efficiency: SB 1110 and SB 1330 are the two bills on WUE that survived out of their first house. Both had to take amendments that narrow the effectiveness of the bills. The Legislature seems hesitant to make changes to the regulations before they are finalized by the SWRCB. This could change once the regulations are finalized later this summer.

Water Quality/PFAS:

- AB 3073 (Haney), after successful intervention by CASA, the bill was amended create a pilot program for POTWs to voluntarily collect wastewater samples and send to the SWRCB for testing of “illicit substances.” The bill was held in the Appropriations Committee.
- SB 1147 (Portantino) was recently amended at the request of the water community to narrow the bill to require OEHHA and the State Board to adopt a standard testing methodology for microplastics. The bill passed out of the Senate and is awaiting committee assignment in the Assembly.

Connection Fees: The legislature is looking to improve the state’s housing crisis by changing the way connection fees are collected. The bill with the most significant concerns for IEUA was SB 1210 (Skinner, D- Berkeley). The bill, as introduced, would have prevented a connection or capacity fee from exceeding one percent of the building permit value and would spread the connection fee collection out over a period of ten years. The bill was recently amended to alleviate the concerns of the water community. The bill passed out of the Senate.

Flood Flows: SB 1390 (Caballero) attempts to ensure that regulations don’t get in the way when excess water is available for diversion for groundwater recharge. MWD has flagged the bill as potentially of concern due to lack of provisions to protect existing water rights holders and has been working with the author on amendments. Amendments recently went into print to address the issues identified, though MWD hasn’t confirmed their position.

Advanced Clean Fleets: AB 2626 (Dixon) & AB 3219 (Sanchez) would both delay the Advanced Clean Fleets rules for local governments—neither bill advanced past the policy committee deadline.

Groundwater: AB 2079 (Bennett) was amended late in the policy process and required some quick evaluation by IEUA. Mr. Bennett has historically been interested in SGMA regulated basins, however AB 2079 would put requirements on not only SGMA regulated basins, but also adjudicated basins. The bill would essentially impose a ban on new large-diameter, high capacity wells if the well would be within ¼ mile of a well used for domestic water supply or community water supply, or the well would be located within ¼ mile of an area that has subsided greater than half of a foot since January 1, 2015. IEUA coordinated a coalition of associations in the region to secure amendments that exclude drinking water wells, monitoring wells, wells of a retail water agency and injection wells. The amendments remove the opposition of the IEUA coalition.

****NEW BILL ALERT****

A group of environmental justice groups are proposing legislation to create Low Income Rate Assistance programs for water and wastewater customers. The language is expected to go into SB 1255, though it is not expected to be in print for a number of weeks.

IEUA and its member agencies have been discussing the proposed legislation and WCA is participating in an ACWA workgroup to try to craft acceptable amendments. The proposed language would create a “voluntary contribution” on all water and wastewater bills that customers may opt-out of, should they choose. The proponents have expressly rejected a request to make the contribution “opt-in.” Additionally, Prop 218 experts have been engaged to determine if this proposal is even legal.

Recharge Investigations and Projects Committee Meeting

Agenda

When: Thursday, April 18, 2024 @ 9:30 a.m.

Where: Chino Basin Watermaster
9641 San Bernardino Rd.
Rancho Cucamonga, CA 91730
(Meeting can be taken remotely via Zoom)

- Join from PC/Smart Device:
[https://us06web.zoom.us/j/81182521019?pwd=qz9T6QkP65rrlVXxP7xDzeZWv2Ojac.
1](https://us06web.zoom.us/j/81182521019?pwd=qz9T6QkP65rrlVXxP7xDzeZWv2Ojac.1)
- Dial by Phone: 1 669 444 9171 US

Meeting ID: 811 8252 1019
Passcode: 022838

Topics:

1. Introductions
2. New/Old Projects consideration
 - a) Open forum for potential new projects
 - b) Reverse Tile Drain presentation
3. IEUA/CBWM joint projects
 - a) Status updates
 - i) 23a Project impacts and increase costs
 - b) Budget updates
 - c) Briefing on SRF loans and Grants
4. Board Requested Recharge Projects Analysis

Next Recharge Investigations and Projects Committee (RIPComm) Meeting Date:

Thursday, July 18, 2024 @ 10:00 a.m. **Page 83**

POST 2014 STORMWATER RECHARGE PROGRAM
PROJECT NOS. RW15003.00/.01/.02/.03/.04/.05/.06 & RW15004.00
STATUS UPDATE: APRIL 10, 2024

“Post 2014 Stormwater Recharge Program” recommended for final design, bid and construction:

PID	Basin Projects	Post 2014 Stormwater Recharge Program ⁽²⁾	Initial Yield		Updated Yield ⁽¹⁾	
			SW	RW	SW	RW
			acre-feet per year			
12	Lower Day Basin	Increase stormwater diversion and basin storage	789	-	993	-
11	Victoria Basin	Improve the infiltration rate and increase storage by removing settled deposits	43	120	75	120
2	Montclair Basins	Increase storage and recharge capacity by directing more channel flow	248	-	96	-
18a	CSI Basin ⁽³⁾	New storage and recharge facility by deepening basin	81	-	-	-
23a	Wineville, Jurupa, RP3 & Force Main	Improve storage and recharge capacity with pumps/conveyance systems between basins and provide new diversion structures	3,166	2,905	2,921	2,905
Total			4,327	3,025	4,085	3,025

(1) Updated to reflect new values as calculated after the completion of the PDR.

(2) San Sevaine Basin Improvement project is a part of the “Post 2014 Stormwater Recharge Program” but it is not listed here for it has its own status update sheet.

(3) 18a (CSI) removed from the list of ongoing RMPU projects. Yield value of 100 AFY is removed.

Project Budget:

Project Budget
\$31,829,520

Actual Cost to Date
\$28,683,468

	RMPU Projects	Total Project Cost	Actual Cost (to date)	
Ongoing Projects	Lower Day Basin (PID 12)	\$4,008,000	\$4,014,957	
	Victoria Basin (PID 11)	\$176,072	\$176,072	
	Montclair Basins (PID 2)	\$1,788,100	\$473,052	
	RP-3 Basin ⁽⁴⁾	\$2,612,496	\$2,385,723	
	Wineville Basin ⁽⁴⁾	(23a)	\$22,683,844	\$21,072,656
	Jurupa Basin ⁽⁴⁾			
	Wineville/Jurupa Force Main ⁽⁴⁾			
Deferred Projects	East Decléz (Non RMPU Project)	\$114,000	\$114,000	
	Decléz Basin (PID 27)	\$105,000	\$105,000	
	Turner Basin (PID 14)	\$42,000	\$42,000	
	Ely Basin (PID 15a)	\$236,000	\$236,000	
	CSI Basin (PID 18a)	\$64,008	\$64,008	
Total		\$31,829,520	\$28,683,468	

Cost Sharing Documents:

Lower Day Basin – PID 12 (Task Order No. 2)	
Watermaster’s Share	\$2,883,000
IEUA’s Share	\$0
Grant Funding	\$1,125,000
Sub-Total	\$4,008,000
Victoria Basin – PID 11 (Task Order No. 10)⁽⁵⁾	
Watermaster’s Share	\$88,036
IEUA’s Share	\$88,036
Sub-Total	\$176,072
Montclair Basin – PID 2 (Task Order No. 11)	
Watermaster’s Share	\$1,788,100
IEUA’s Share	\$0
Sub-Total	\$1,788,100
Wineville/Jurupa/RP3/Force Main – PID 23a (Task Order No. 9)⁽⁶⁾	
Watermaster’s Share	\$14,102,916
IEUA’s Share	\$360,043
Grants	\$10,833,381
Sub-Total	\$25,296,340
East Declaz/Declaz – PID 27 /Turner – PID 27/Ely PID – 15a (Task Order No.1)	
Watermaster’s Share	\$497,000
IEUA’s Share	\$0
Sub-Total	\$497,000
CSI Basin (Task Order 12)	
Watermaster’s Share	\$64,008
IEUA’s Share	\$0
Sub-Total	\$64,008
Total	\$31,829,520

(4) Task Order No. 9 was amended in May/June 2021 to reflect current project cost.

(5) Amending TO 10 to reflect the total project cost from the projected cost of \$168,800 to the final cost of \$176,072.

(6) Includes RP-3, Wineville, Jurupa, and Wineville-Jurupa Force Main’s total projected costs. Task Order Amendment 2 in Aug/Sep 2022 to reflect revised total project budget due to additional construction cost.

Grant/Loan Update:

RMPU Projects	Total Project Cost	Funding Program	Grant Amount
Lower Day Basin (PID 12)	\$4,008,000	Grant Prop. 84 DWR/SAWPA	\$750,000
		USBR	\$375,000
Victoria Basin (PID 11)	\$168,800	-none-	
Montclair Basins (PID 2)	\$1,788,100	SRF Loan	
RP-3 Basin ⁽⁷⁾	\$1,819,300	SWRCB – Stormwater	\$809,214
		USBR	\$290,000
Wineville/Jurupa /Force Main ⁽⁷⁾	\$20,220,952	SWRCB – Stormwater	\$8,994,167
		2018 Water Smart Drought	\$740,000
Total	\$28,005,153		\$11,958,381

(7) Task Order No. 9 was amended in May/June 2021 to reflect added grants.

Project Update:

The following are updates to each of the on-going RMPU projects:

- a) **Victoria Basin** – Project completed.
- b) **Wineville/Jurupa Storm Water Distribution Pipeline** –

Noted construction issues:

- Permit delay with Fish and Wildlife – Aug. 2021
- Utility conflicts along Jurupa Road/Street, conflicts required pipeline adjustments and changes to means and methods – Jan. 2022
- Conflict with existing Storm drain discharge found within the forebay, needed grading plan changes – Jan. 2022
- RP3 Basin Delays due to utility conflicts – Jan. 2022
- Changes to rubber dam “auto deflate” control mechanism, required designing new system and programming – Nov. 2022
- The project has experienced delays due to adverse weather conditions, particularly an unusually high amount of rain events. Construction activities within the Wineville Basin area had to be put on hold due to the rain and wet condition – Mar. 2023
- Pump Submittals delayed by Contractor, submittal not meeting project requirements – Aug. 2023
- Delays with Southern California Edison, late responses in providing electrical connections – Oct. 2023

Impacts to Project:

- Delayed project completion to Jul. 2025 to Dec. 2025
- Rebidding of the Pumps to others (three to four months for bidding)
- Increased project costs (projected below):

INCREASED COSTS	ADDITIONAL COST	REVISED BUDGET
<i>RP3 Basin Improvements</i>	\$833,196	\$2,652,496
<i>Wineville Basin Improvements PID23a (7690.36) (Task No. 9)</i>		\$ 6,203,320
<i>Jurupa Basin Improvements PID23a (7690.36) (Task No. 9)</i>	\$2,450,000	\$ 2,461,965
<i>Wineville/Jurupa Force Main PID 23a (7690.36) (Task No. 9)</i>		\$17,262,757
TOTAL	\$3,283,196	\$28,579,538

The major construction of the Wineville/Jurupa/Distribution System is approximately 80% complete. However, with the ongoing delays with SCE and the Pumps, the project continues to hold at 75% of the construction schedule.

- c) **Montclair Basin** –Last year’s rains have given opportunities to take available water from Metropolitan Water District (MWD) for groundwater storage. So, the proposed recharge

improvement was on hold for that year to allow IEUA and Chino Basin Watermaster to convey and capture available water from MWD for groundwater recharge. The nearby San Antonia Creek channel and the Montclair Basin are actively a part of the program to move available water through a channel and stored within a basin. IEUA plans to start bid and construction as noted schedule below.

- d) **Lower Day Basin** – Project is completed. Due to communication conflicts with existing controls, the system integration was delayed final completion. IEUA is finalizing the system integration with the Contractor. This will allow Ground Water Recharge to fully operate the new improvements remotely and locally.

- e) **RP-3 Basin Improvement** – Demo work completed/Excavation completed. Construction of the Diversion Structure is completed. IEUA is addressed a potential delay claim of \$260,000 due to extended project scheduled by negotiation the cost to \$176,501. The Contractor is requesting compensation with extended overhead costs due to the added construction period. After a careful review of the TIA by IEUA staff and CAPO (project scheduler), the analysis is found to be acceptable, and the negotiated compensation of \$176,501 is fair and reasonable.

Wineville/Jurupa/Force main (PID 23a):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/12/21	Completed
Design	12/18/14	02/28/20	Completed
Bid and Award	01/12/21	06/16/21	Completed
Construction	06/16/21	12/31/25	In Progress

Montclair Basin (PID 2):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/30/23	Completed
Design	12/18/14	02/28/20	Completed
Bid and Award	05/31/24	08/21/24	Not Started
Construction	08/31/24	10/31/25	Not Started

Lower Day (PID 12):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	07/19/19	Completed
Design	12/18/14	07/19/19	Completed
Bid and Award	07/19/19	12/11/19	Completed
Construction/Close Out	12/11/19	12/31/23	Completed

RP-3 Basin (PID 23a):

<u>Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>
Project Development	07/01/14	12/17/14	Completed
Preliminary Design	12/18/14	06/21/17	Completed
Environmental	12/18/14	12/31/17	Completed
Permits	06/22/17	01/09/18	Completed
Design	12/18/14	12/14/17	Completed
Bid and Award	01/10/18	06/20/18	Completed
Construction	06/21/18	11/31/23	Completed



Wineville Basin – Rubber Dam Building
(Completed Building Structure)



Wineville Basin – New Gate holding water before the Forebay Area
(Completed Gate)



Wineville Basin – New Concrete to Forebay
(Completed Spillway with New Gate)



Wineville Basin – Pump Station
(Completed Building)



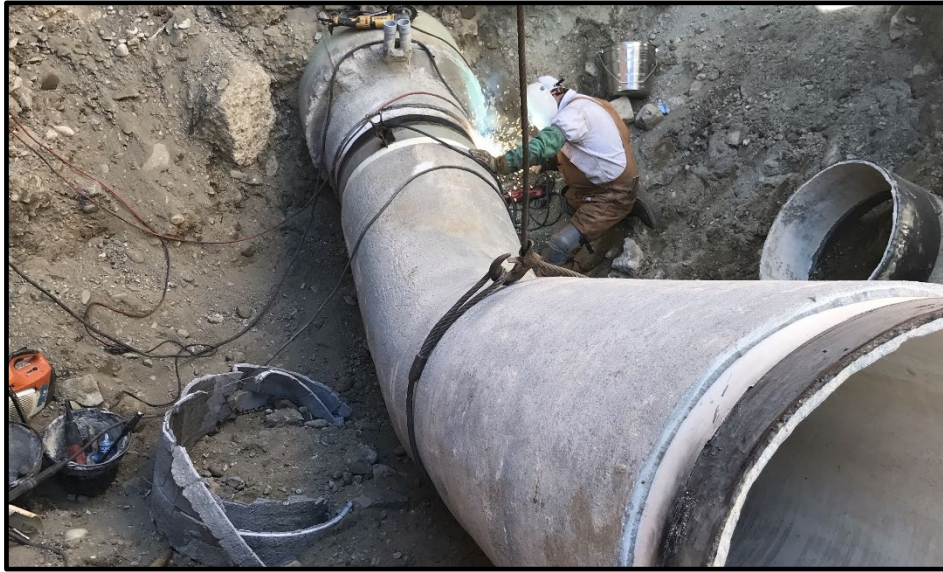
Wineville Basin Improvement – Outlet Diversion Structure
(Installation of new Gate)



Wineville Basin Improvement – New Gate before the Forebay
(Completed gate installation)



Wineville Basin Improvement – Basin
(Completed Concrete Work in Basin)



Jurupa Basin Improvement - Channel Diversion
(Welding of New Piping into Jurupa)



Lower Day Basin Improvement – Day Creek Diversion
(Test Operation of the Gate Dam System – Main Channel)



Lower Day Basin Improvement – Day Creek Diversion
(Test Operation of Gate Dam System – Onto Diversion Channel)

Recharge Investigation and Projects Committee, PAGE 1 OF 2

A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14

Project Name (Project ID) (Cost Sharing Task Order)	IEUA Project No.	Project Cost To Date	Approved Budget	COST SHARE		BUDGET ALLOCATION			IEUA PROJECT COSTS		CBWM PROJECT COSTS		
				IEUA	CBWM	Grant Funding	IEUA	CBWM	Share on Actual Cost To Date	Remaining Balance	Share on Actual Cost To Date	Invoices Paid To Date	Remaining Balance
Pre-RMPU Ongoing Projects													
GWR SCADA Upgrades (7690.61) (Task No. 4) ¹	EN14047.00	\$ 774,979	\$ 892,000	50%	50%	\$ 139,650	\$ 376,175	\$ 376,175	\$ 326,825	\$ 49,350	\$ 326,825	\$ 376,175	\$ 0
COMMUNICATION Upgrades (7690.62) (Task No. 3)	EN12019.00	\$ 1,227,096	\$ 1,227,096	50%	50%	\$ 192,850	\$ 517,123	\$ 517,123	\$ 517,123	\$ -	\$ 517,123	\$ 526,075	\$ (8,952)
Upper Santa Ana River HCP (7690.70) (Task No. 7)	RW15002.00	\$ 149,000	\$ 160,000	50%	50%	\$ -	\$ 80,000	\$ 80,000	\$ 74,500	\$ 5,500	\$ 74,500.00	\$ 59,937	\$ 20,063
SUBTOTAL PRE-RMPU PROJECTS		\$ 2,151,075	\$ 2,279,096	---	---	\$ 332,500	\$ 973,298	\$ 973,298	\$ 918,448	\$ 54,850	\$ 918,448	\$ 962,187	\$ 11,111
RMPU Projects													
San Sevaine Improvements PID7 (7690.40) (Task No. 8)	EN13001.00	\$ 6,294,711	\$ 6,460,000	50%	50%	\$ 3,625,000	\$ 1,417,500	\$ 1,417,500	\$ 1,381,231	\$ 36,269	\$ 1,381,231	\$ 368,410	\$ 1,049,090
Lower Day Basin Improvement PID12 (7690.8) (Task No. 2) *	RW15004.00	\$ 4,014,957	\$ 4,008,000	0%	100%	\$ 1,125,000	\$ -	\$ 2,883,000	\$ -	\$ -	\$ 4,014,957	\$ 488,252	\$ 2,394,748
East Decler (7690.16) (1st Amendment - Task No. 1) *	RW15003.01	\$ 114,000	\$ 114,000	0%	100%	\$ -	\$ -	\$ 114,000	\$ -	\$ -	\$ 114,000	\$ 112,829	\$ -
Decler Basin PID 27 (7690.21) (Task No. 1) *	RW15003.00	\$ 105,000	\$ 105,000	0%	100%	\$ -	\$ -	\$ 105,000	\$ -	\$ -	\$ 105,000	\$ 105,000	\$ -
Turner Basins PID14 (7690.21) (Task No. 1) *	RW15003.00	\$ 42,000	\$ 42,000	0%	100%	\$ -	\$ -	\$ 42,000	\$ -	\$ -	\$ 42,000	\$ 42,000	\$ -
Ely Basin PID15a (7690.21) (Task No. 1) *	RW15003.00	\$ 236,000	\$ 236,000	0%	100%	\$ -	\$ -	\$ 236,000	\$ -	\$ -	\$ 236,000	\$ 236,000	\$ -
Victoria Basin Improvements PID11 (7690.25) (Task No. 10) *	RW15003.02	\$ 176,072	\$ 176,072	50%	50%	\$ -	\$ 88,036.000	\$ 88,036	\$ 88,036.000	\$ -	\$ 88,036	\$ 88,036	\$ -
Montclair Basin Improvements PID2 (7690.26) (Task No.11) *	RW15003.03	\$ 473,052	\$ 1,788,100	0%	100%	\$ -	\$ -	\$ 1,788,100	\$ -	\$ -	\$ 473,052	\$ 151,532	\$ 1,636,568
CSI Basin Improvements PID 18a (7690.27) (Task No. 12) *	RW15003.04	\$ 64,008	\$ 64,008	0%	100%	\$ -	\$ -	\$ 64,008	\$ -	\$ -	\$ 64,008	\$ 64,008	\$ -
RP3 Basin Improvements PID23a (7690.35) (Task No. 9) *	RW15003.05	\$ 2,385,723	\$ 1,819,300	50%	50%	\$ 1,099,214	\$ 360,043	\$ 360,043	\$ (643,255)	\$ 1,003,298	\$ (643,255)	\$ 77,088	\$ 282,955
Wineville Basin Improvements PID23a (7690.36) (Task No. 9) ² *	RW15003.06		\$ 5,617,131	0%	100%	\$ 2,329,003	\$ -	\$ 3,288,128	\$ -	\$ -	\$ 5,041,856	\$ 476,021	\$ 2,812,106
Jurupa Basin Improvements PID23a (7690.36) (Task No. 9) ² *	RW15003.06	\$ 21,072,656	\$ 2,229,319	0%	100%	\$ 924,331	\$ -	\$ 1,304,988	\$ -	\$ -	\$ 2,001,005	\$ 188,923	\$ 1,116,065
Wineville/Jurupa Force Main PID 23a (7690.36) (Task No. 9) ² *	RW15003.06		\$ 15,630,591	0%	100%	\$ 6,480,833	\$ -	\$ 9,149,758	\$ -	\$ -	\$ 14,029,795	\$ 1,324,607	\$ 7,825,151
Post 2014 Storm Water Recharge Program *		\$ 28,683,468	\$ 31,829,520			\$ 11,958,381	\$ 448,079	\$ 19,423,060	\$ (555,219)	\$ 1,003,298	\$ 25,566,455	\$ 3,354,295	\$ 16,067,593
SUBTOTAL RMPU PROJECTS	---	\$ 34,978,179	\$ 38,289,520	---	---	\$ 15,583,381	\$ 1,865,579	\$ 20,840,560	\$ 826,013	\$ 1,039,566	\$ 26,947,686	\$ 3,722,705	\$ 17,116,683
GRAND TOTALS	---	\$ 37,129,254	\$ 40,568,616	---	---	\$ 15,915,881	\$ 2,838,877	\$ 21,813,858	\$ 1,744,460	\$ 1,094,417	\$ 27,866,133	\$ 4,684,892	\$ 17,127,794

NOTES:

¹ Watermaster Board approved an additional amount of \$45,700 (50% of the anticipated additional costs of \$91,400) on November 25, 2014 for the Programmable Logic Controller (PLC) replacements at the five Rubber Dam/Basin systems.

² On August/September 2022, Watermaster and IEUA approved Amendment No. 2 to TO#9 to reflect the revised project budget due to additional construction costs

Updated: 4/10/2024

Version: 2022-10

Recharge Investigation and Projects Committee, (COMPLETED PROJECTS) PAGE 2 of 2

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
Project Name	CBWM Fiscal Year 2022/23									CBWM Future Years				
	CURRENT YEAR CBWM BUDGET				CURRENT YEAR CBWM ACTUALS					CBWM FUTURE BUDGET NEEDS				
	Budget Carry-Over	Approved Budget	Budget Amendments/ Transfers	Total Fiscal Year Budget	Actual to Date (Including Paid & Outstanding Invoices)	Remaining Balance Available	Completed Projects With Available Funds To Be Distributed ¹	CBWM Remaining Projected Costs	Budget Amendment Required? (Yes/No)	Projected CarryOver Funds FY 2022/23	Fiscal Year 2023/24	Fiscal Year 2024/25	Fiscal Year 2025/26	Fiscal Year 2026/27
Pre RMPU Ongoing Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL PRE-RMPU PROJECTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	\$ -
RMPU Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -
Funds on Hold for Projects (7690.9) ¹	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL RMPU PROJECTS	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	---	\$ -	\$ -	\$ -	\$ -	\$ -
GRAND TOTALS	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000	\$ -	---	\$ -	\$ -	\$ -	\$ -	\$ -

NOTES:

¹ By unanimous action of the Board on June 24, 2021 the amount of \$200,000.00 will be kept on hold until the warranty period for the San Sevaire Project has expired, and no warranty issues are noted.

Updated: 4/10/2024
Version: 2022-10



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
Tel: 909.484.3888 www.cbwm.org

TODD M. CORBIN
General Manager

STAFF REPORT

DATE: June 20, 2024
TO: Advisory Committee Members
SUBJECT: Chino Basin Day 2024 (Information Item IV)
SUMMARY:

Issue: To provide information to Watermaster parties about the Chino Basin Day event held on May 28, 2024.

Recommendation: Information Only

Financial Impact: None

Future Consideration

Advisory Committee – June 20, 2024: Information Only
Watermaster Board – June 27, 2024: Information Only

ACTIONS:

Appropriative Pool – June 13, 2024: Information Only
Non-Agricultural Pool – June 13, 2024: Information Only
Agricultural Pool – June 13, 2024: Information Only
Advisory Committee – June 20, 2024: Information Only
Watermaster Board – June 27, 2024: Information Only

BACKGROUND

In 2018, and to better coalesce as basin partners, Watermaster, IEUA, CDA, and SAWPA organized a meeting with the Regional Board staff to share with the regulators about contemporary issues in the Chino Basin. This meeting was so successful that it quickly became a tradition in which the agencies get together annually to refresh current staff and educate any new staff about Chino Basin's regulatory framework, provide updates on current programs and projects, and anticipate and plan for future water quality challenges in the foreseeable future.

DISCUSSION

This year, the session was hosted at the Inland Empire Utilities Agency in partnership with Watermaster, and the Chino Basin Desalter Authority on May 28, 2024. Attendees included Mr. Eric Lindberg, Mr. Keith Person, and Ms. Cindy Li of the Santa Ana Regional Water Quality Control Board, Mr. Shivaji Deshmukh, General Manager of IEUA; Mr. Todd Corbin, General Manager of Watermaster; Mr. Tom O'Neill, General Manager of the CDA, and various other staff members from the respective agencies.

The Regional Board was updated on the Chino Basin Maximum Benefit Salt and Nutrient Management Plan, recycled water activities, future infrastructure, among other water resources topics as shown on the agenda as provided in Attachment 1. The day-long meeting provided a forum to address upcoming challenges such as changing cultural conditions, future projects and monitoring, and regulatory updates allowing the Regional Board to offer feedback and comments in an informal and open manner. The day concluded with a tour of the Chino Creek Wetlands and a visit to the IEUA Water Quality Laboratory.

As in previous years, the event was a success and provided attendees with the status of pertinent Chino Basin activities and was well received by the Regional Board. With the ever-changing landscape of groundwater management, this partnership with the Regional Board will continue to serve the Chino Basin well. The collective agencies look forward to continuing this annual tradition well into the foreseeable future.

ATTACHMENTS

1. Chino Basin Day Agenda
2. Chino Basin Max Benefit Presentation
3. Basin Plan Amendment Presentation
4. CDA Systems Presentation
5. Chino Creek 1B Presentation
6. Water Quality ECMP Presentation
7. IEUA Updates Presentation
8. Chino Basin Program Presentation



Chino Basin Day
May 28, 2024 – 11:30 AM to 3:30 PM
IEUA HQ-B; Koopman Event Room
6075 Kimball Avenue
Chino, CA 91708

Agenda

1. Opening Remarks – Watermaster/IEUA
2. Introductions – ALL
3. Lunch
4. Maximum Benefit Regulatory Compliance Updates
 - a. Maximum Benefit — West Yost
 - b. Basin Plan Amendment – West Yost
5. CDA Operations Update – CDA
 - a. South Archibald Plume and Chino Airport Plume Remediation – CDA
6. Regional Water Quality Discussion
 - a. Chino Creek Monitoring Program – West Yost
 - b. Water Quality Management Program and Emergent Contaminant Monitoring Plan – West Yost
7. Break
8. IEUA Updates
 - a. Update on Efforts – IEUA
 - b. Water Use Objective – IEUA
 - c. Chino Basin Program – IEUA CBP Team
9. Open Discussions/Questions
10. Tour of Facilities (IEUA Waterwise Garden/Wetlands and Laboratory)



Chino Basin Maximum Benefit Salt and Nutrient Management Plan (SNMP)

Background - Challenges

- 1990 – increasing population and water demands
- The Court required Watermaster to develop management plan to ensure groundwater supply reliability pursuant to the Judgement
- Watermaster recognized that the plan must address the following:
 - Reduced Basin yield due to urbanization
 - High TDS/nitrate in groundwater due to past dairy and agriculture operations
 - Untapped recycled water supply
 - Land subsidence
 - Other groundwater contaminants of concern



Background - Challenges

- 2000 – Watermaster adopted the Optimum Basin Management Plan (OBMP) as the management plan
- The OBMP includes 9 program elements to address achieve the following:
 - Enhance Basin Water Supplies
 - Protect and Enhance Water Quality
 - Enhance Management of the Basin
 - Equitably Finance the OBMP implementation

Optimum Basin Management Program



Phase I Report

Prepared for
Chino Basin Watermaster

August 19, 1999

WE Wildermuth
Environmental



OBMP Program Elements

1 - Comprehensive Monitoring Program

2 - Comprehensive Recharge Program

3 - Water Supply Plan for the Impaired Areas of the Basin

(Groundwater Desalters)

4 - Comprehensive Groundwater Management Plan to Address Land Subsidence

5 - Regional Supplemental Water Program

(Increase recycled water use!)

6 - Cooperative Programs with the Regional Board and Other Agencies to Address Groundwater Contamination

7 - Salt Management Program

(TDS and nitrate)

8 - Groundwater Storage Management Program

9 - Storage and Recovery Programs

OBMP Program Elements

- Critical local supply reliability components included:
 - Utilizing recycled water for direct non-potable use in lieu of producing groundwater or importing SWP water
 - Recharging the basin with recycled, storm, and imported waters to increase yield
 - Desalting high TDS/N groundwater in historic agriculture area



Barriers to OBMP Implementation

- There was no assimilative capacity in the Chino Basin where the activities were planned
- The TDS concentrations of recycled water and imported water were greater than the low-concentration TDS antidegradation objectives
 - Antidegradation TDS objectives ranged from 250 to 280 mg/l
 - Recycled water TDS ranged from 450 to 540 mg/l
 - Imported water TDS ranged from 100 to 430 mg/l
- Thus, Recycled water for direct use and recharge were restricted
- Analysis of traditional mitigation options demonstrated minimal water quality benefits

Maximum-Benefit Solution

- Watermaster proposed alternative maximum-benefit based TDS/N objectives to create assimilative capacity and enable permitting of recycled water use
 - Maximum benefit TDS and N objectives of 420 and 5 mg/l, respectively
- Also proposed a management plan to ensure protection of beneficial uses of water supplies under the higher concentration objectives
- Components of the OBMP could function as the comprehensive plan to sustainably manage basin water quality and increase local water supplies →
Maximum Benefit Commitments



Maximum Benefit Commitments

Commitments 1 & 2

Surface water and groundwater monitoring

Commitments 3 & 4

Expand and operate the Desalters at an ultimate capacity of 40,000 afy

Commitment 5

Construct and operate recharge facilities

Commitment 6

Ensure that the IEUA recycled water TDS does not exceed the permit *

Commitment 7

Ensure that the TDS/N of artificial recharge is equal to or less than the objective for Chino-North**

Commitment 8

Maintain hydraulic control of outflows from Chino-North to de minimis levels (<1,000 afy)

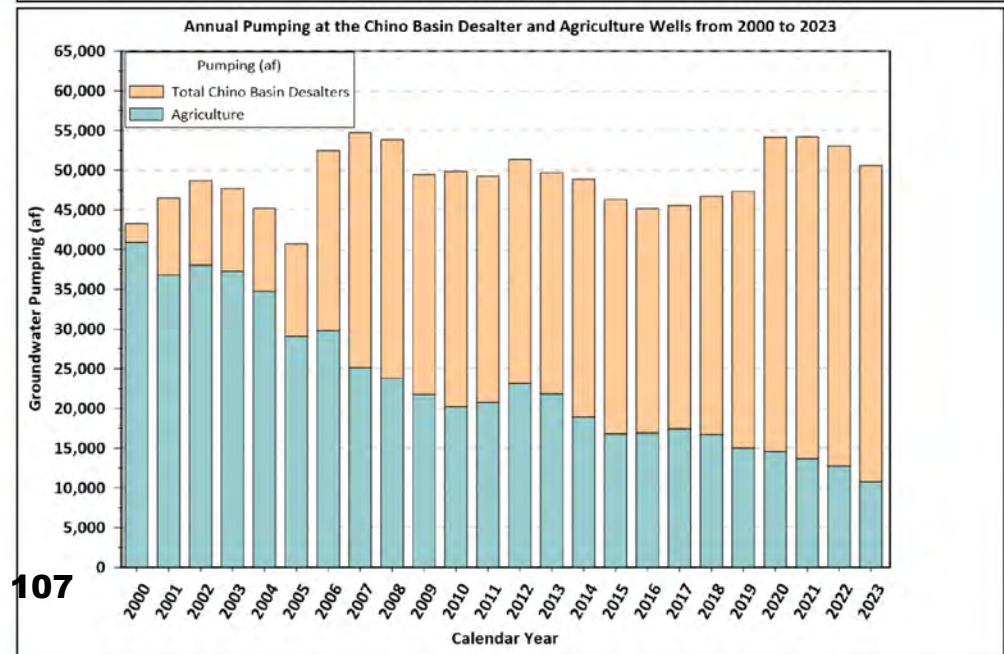
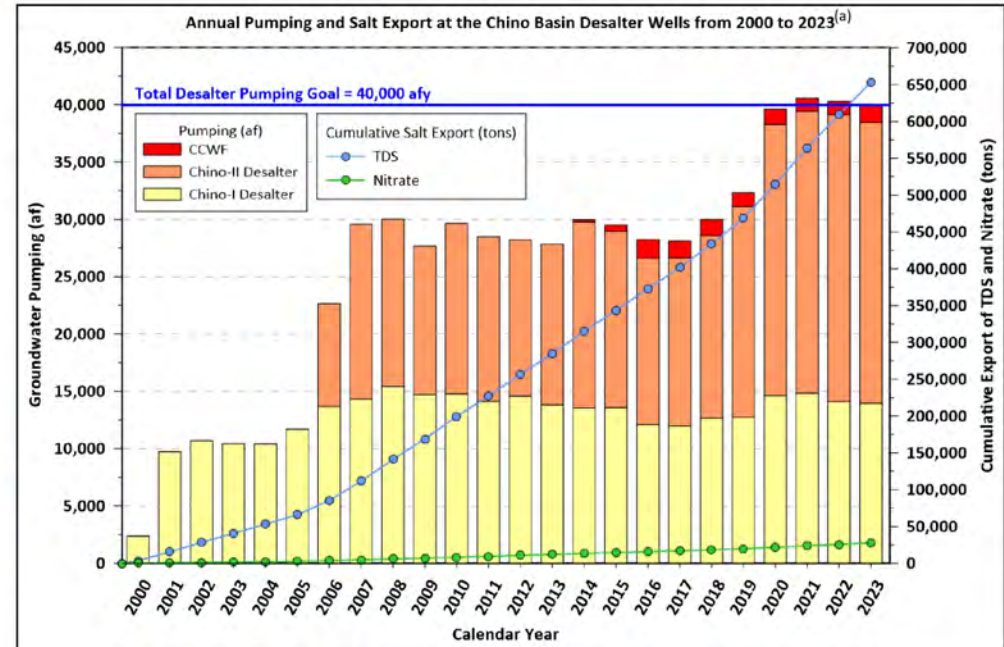
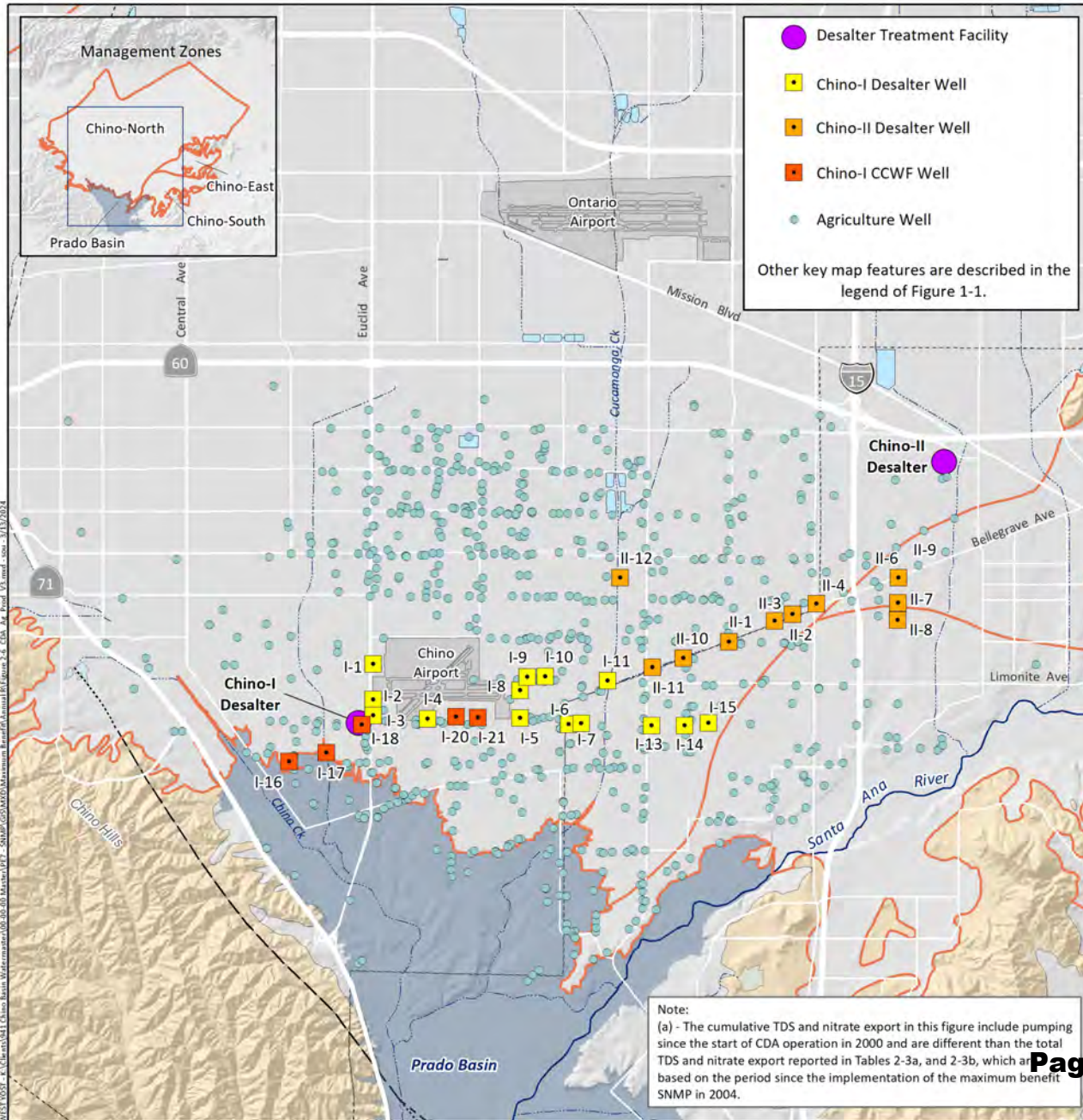
Commitment 9

Recompute ambient water quality every three years

**Watermaster and IEUA have petitioned the Regional Board to amend the averaging period to a ten-year flow-weighted average of all treatment plants

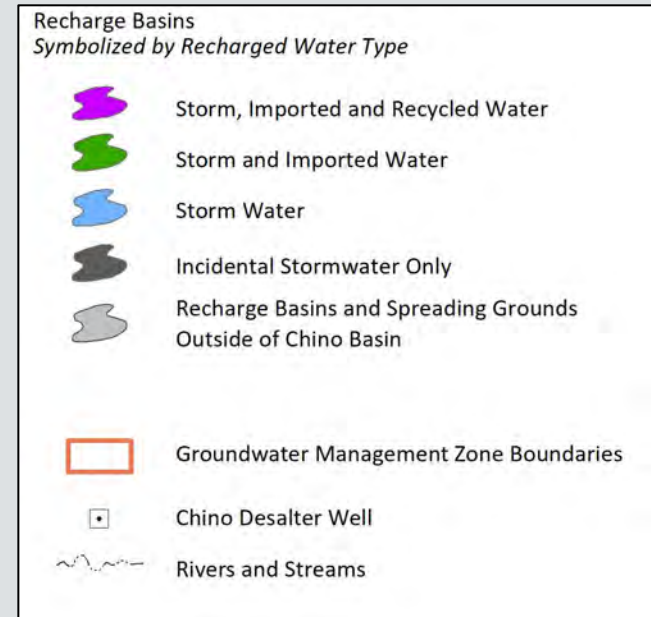
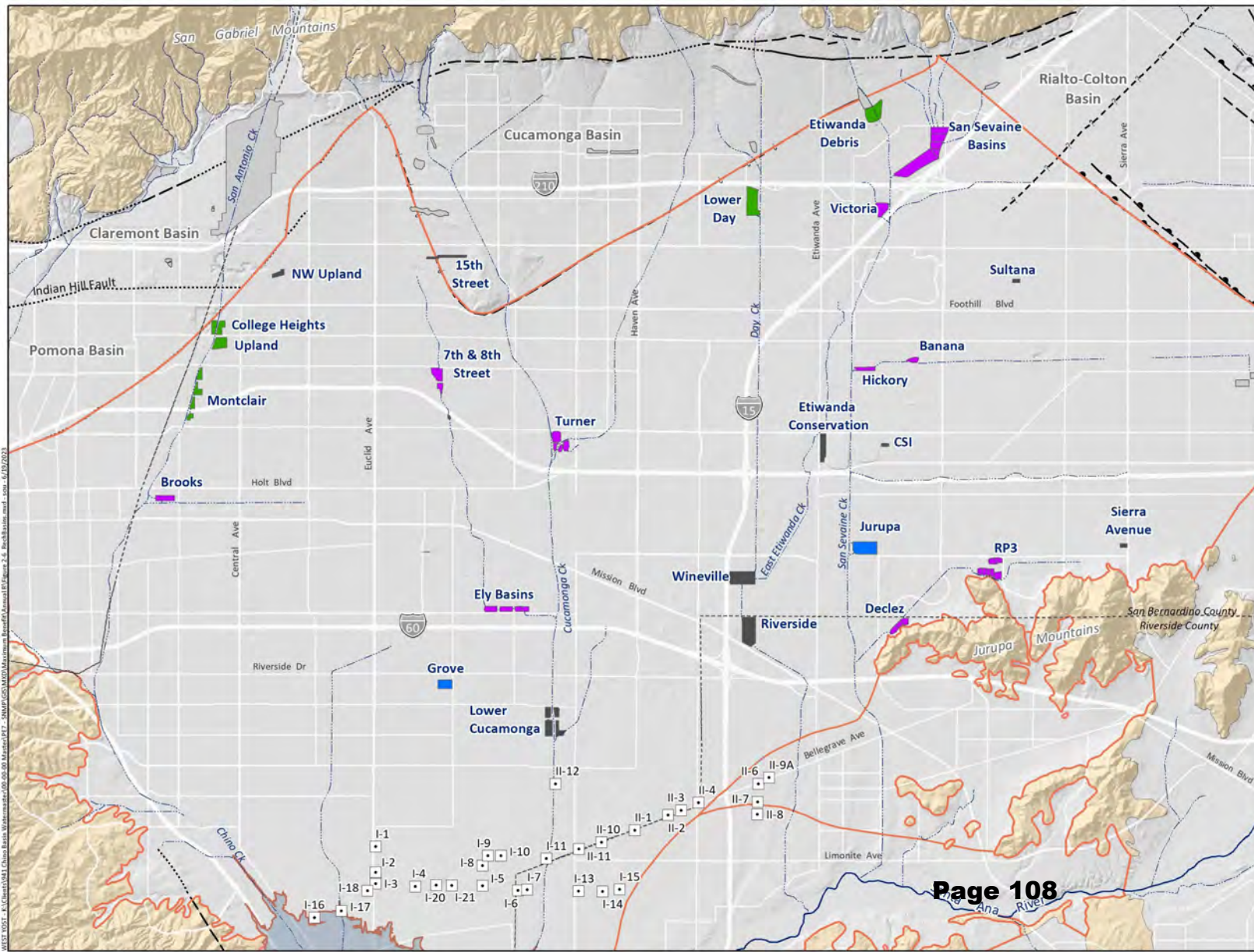
** Watermaster and IEUA have petitioned the Regional Board to amend the averaging period to a ten-year flow-weighted average of all recharge sources

Compliance Status – Desalter Pumping (Nos. 3 & 4 met)

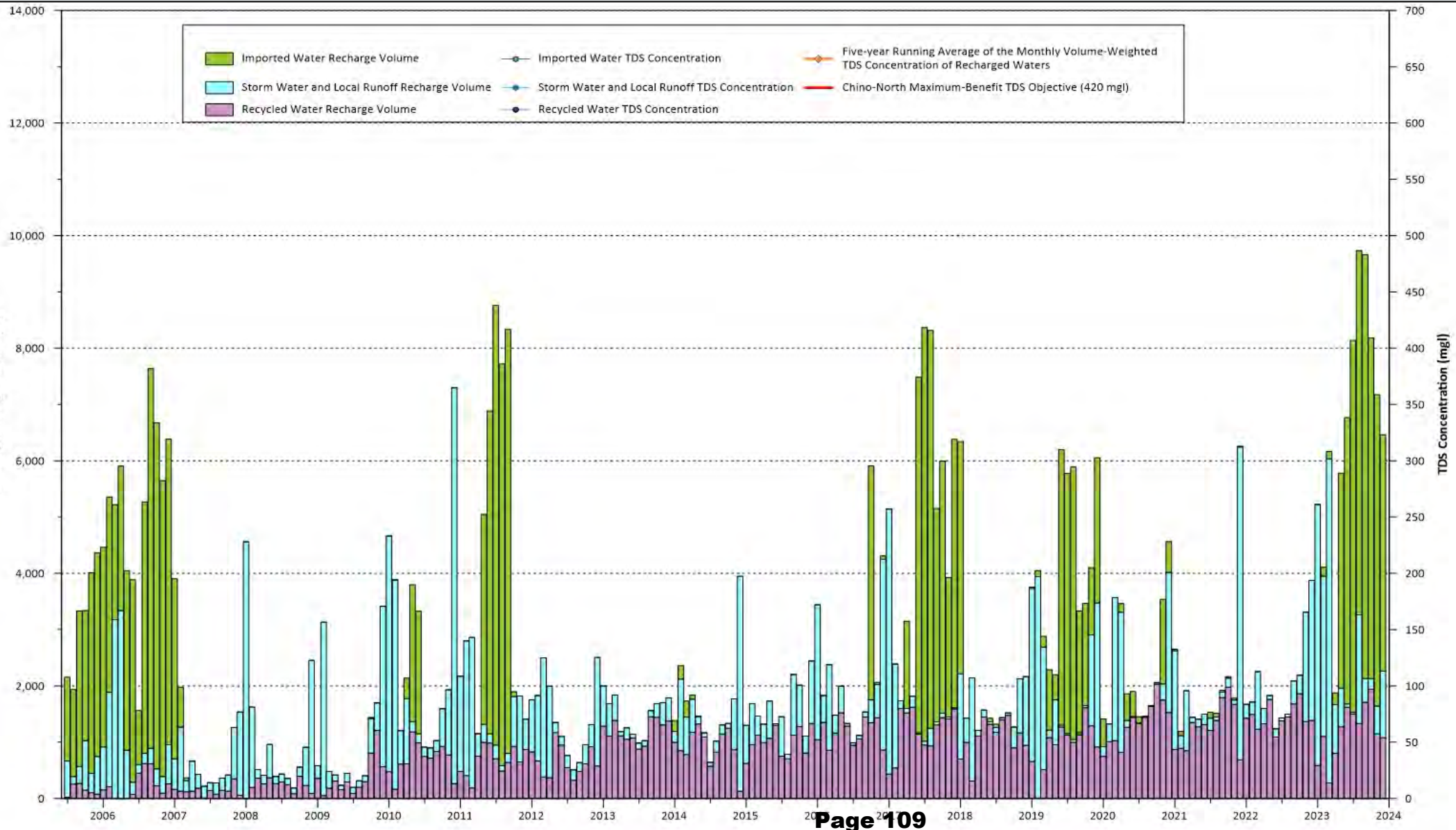


Compliance Status – Managed Recharge (Nos. 5 & 7 met)

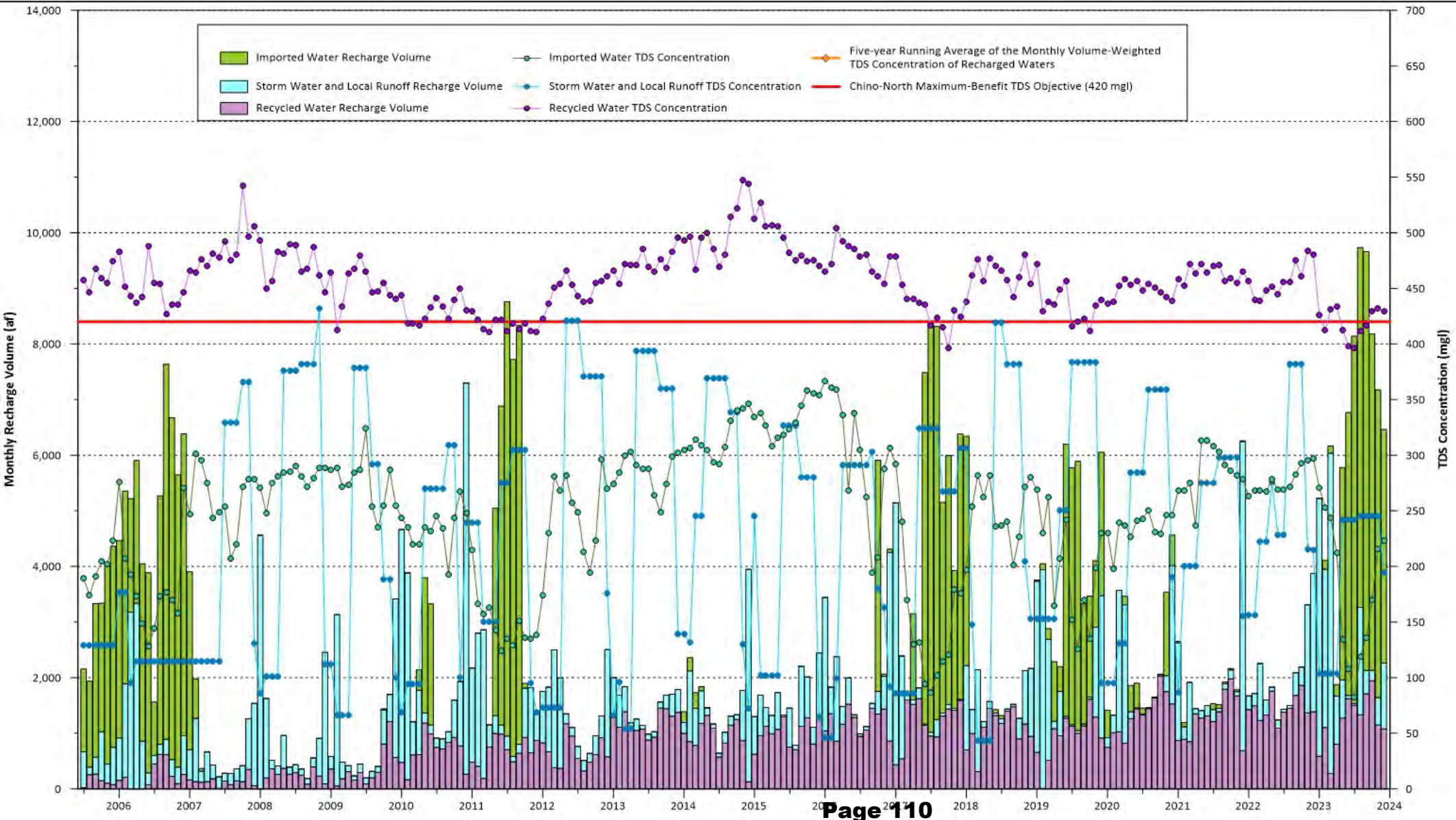
- Constructed recharge facilities
- Monitoring and tracking the recharge volume and TDS/N concentrations



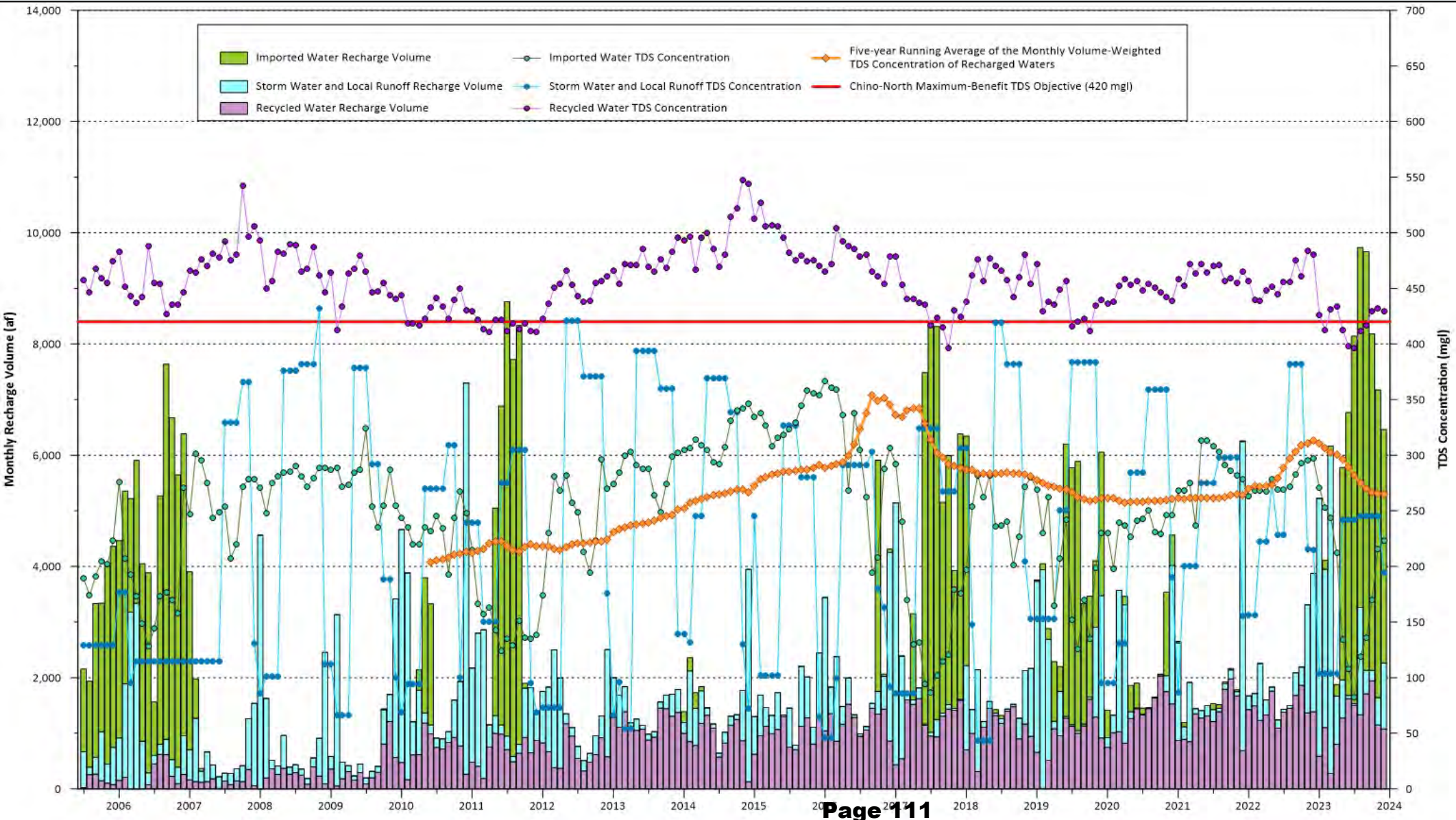
Compliance Status – Managed Recharge (Nos. 5 & 7 met)



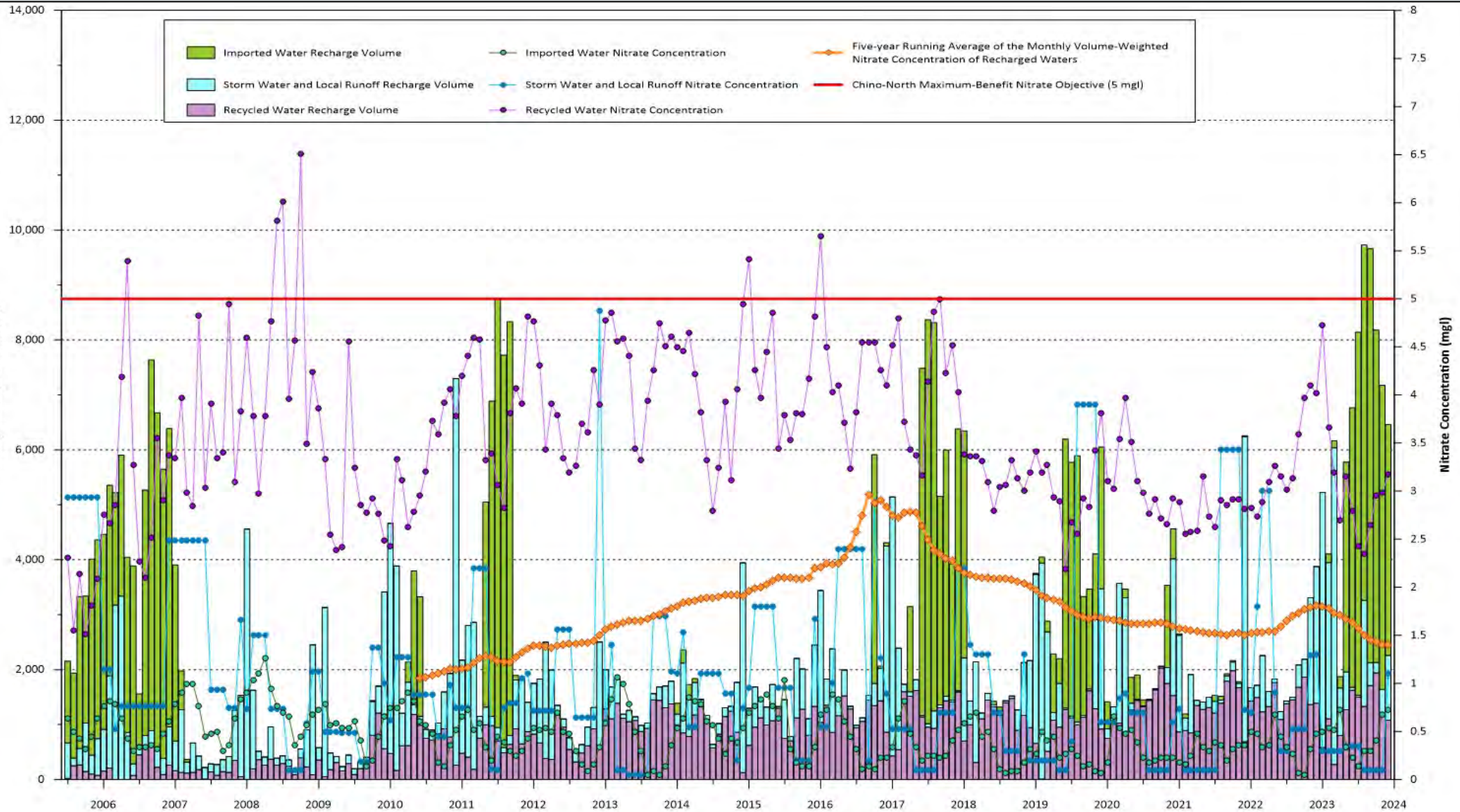
Compliance Status – Managed Recharge (Nos. 5 & 7 met)



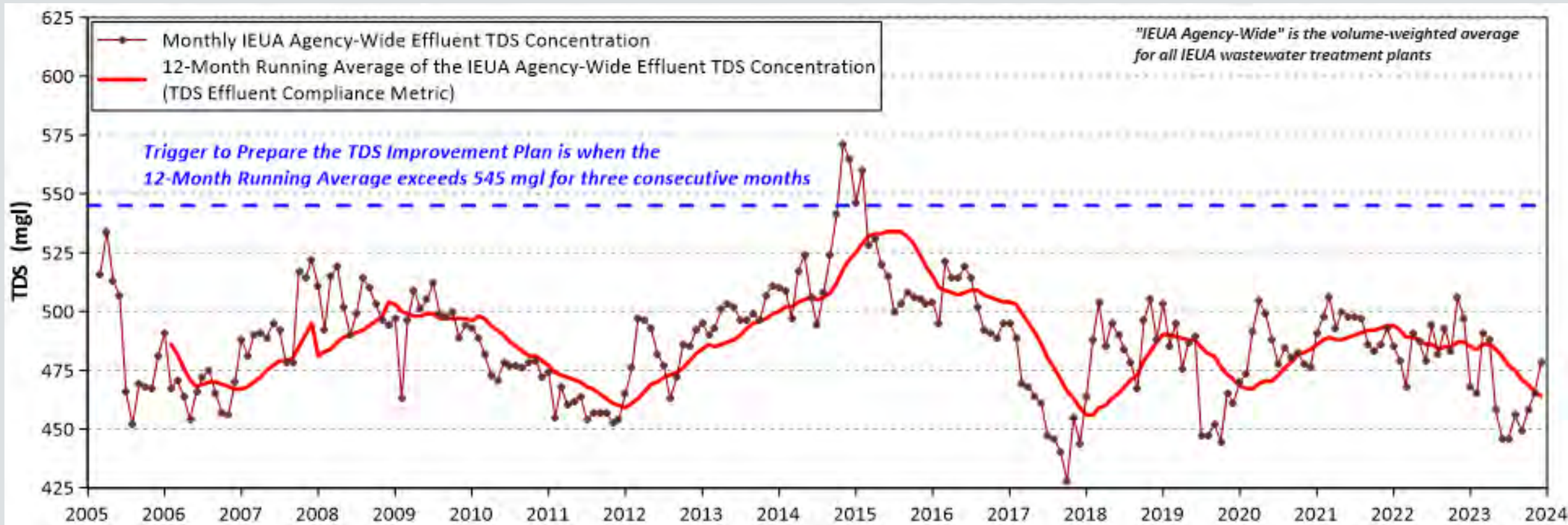
Compliance Status – Managed Recharge (Nos. 5 & 7 met)



Compliance Status – Managed Recharge (Nos. 5 & 7 met)

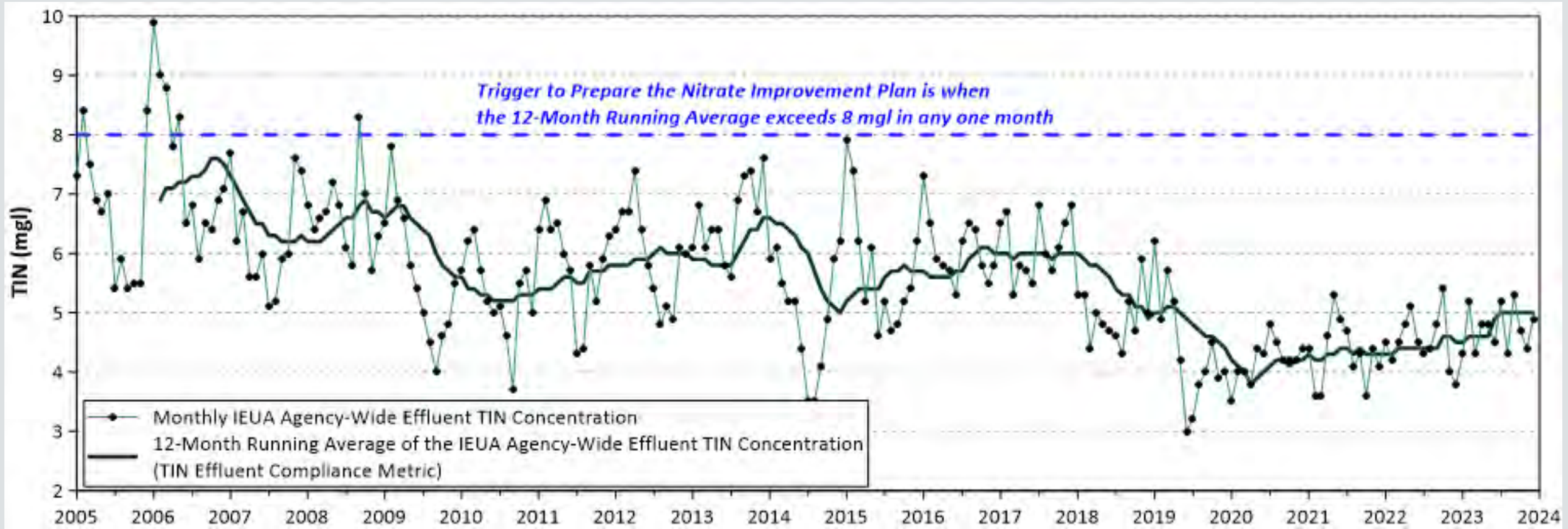


Compliance Status – Effluent TDS (No. 6 met)



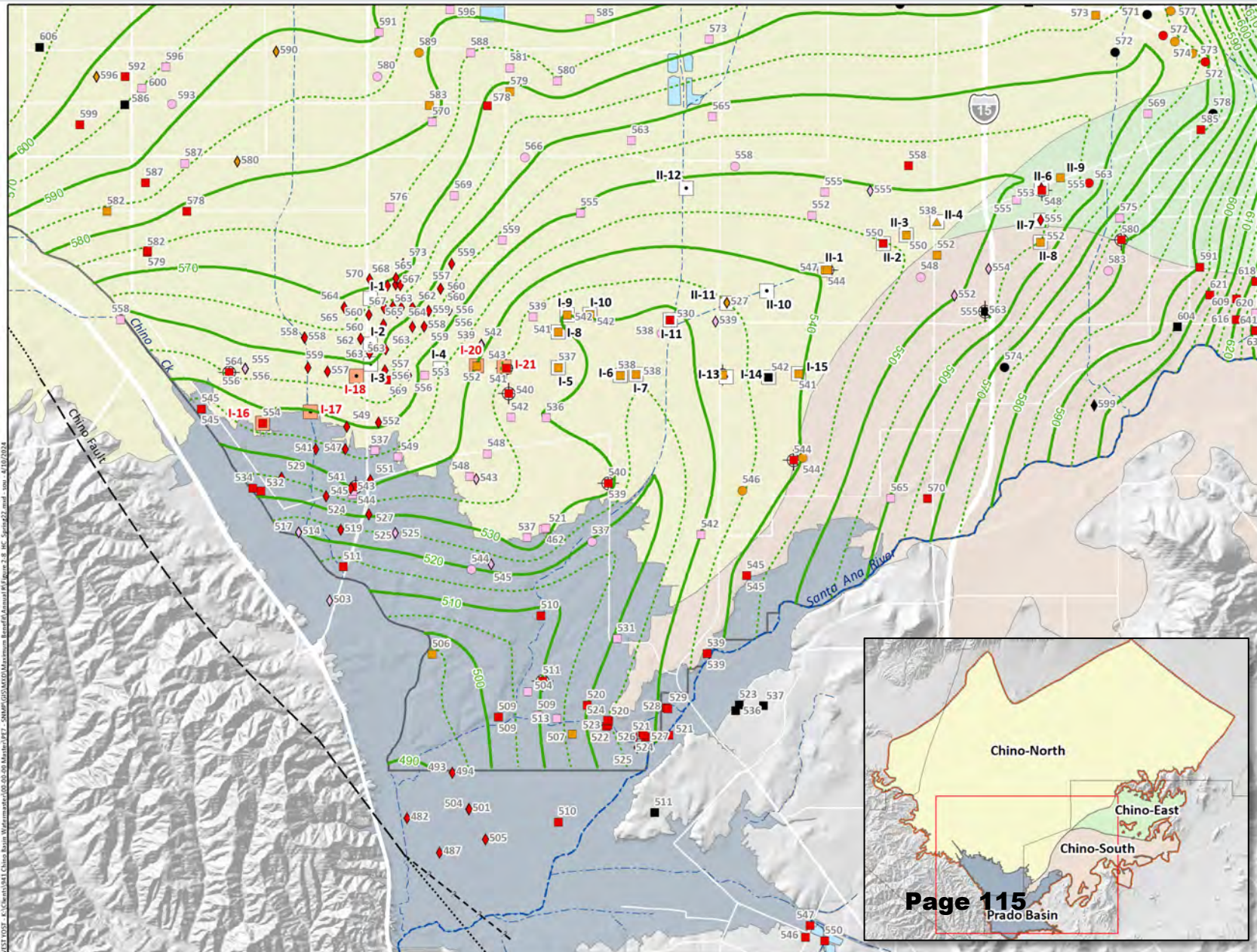
➤ IEUA TDS permit limit is 550 mg/l

Compliance Status – Effluent TIN (No. 6 met)



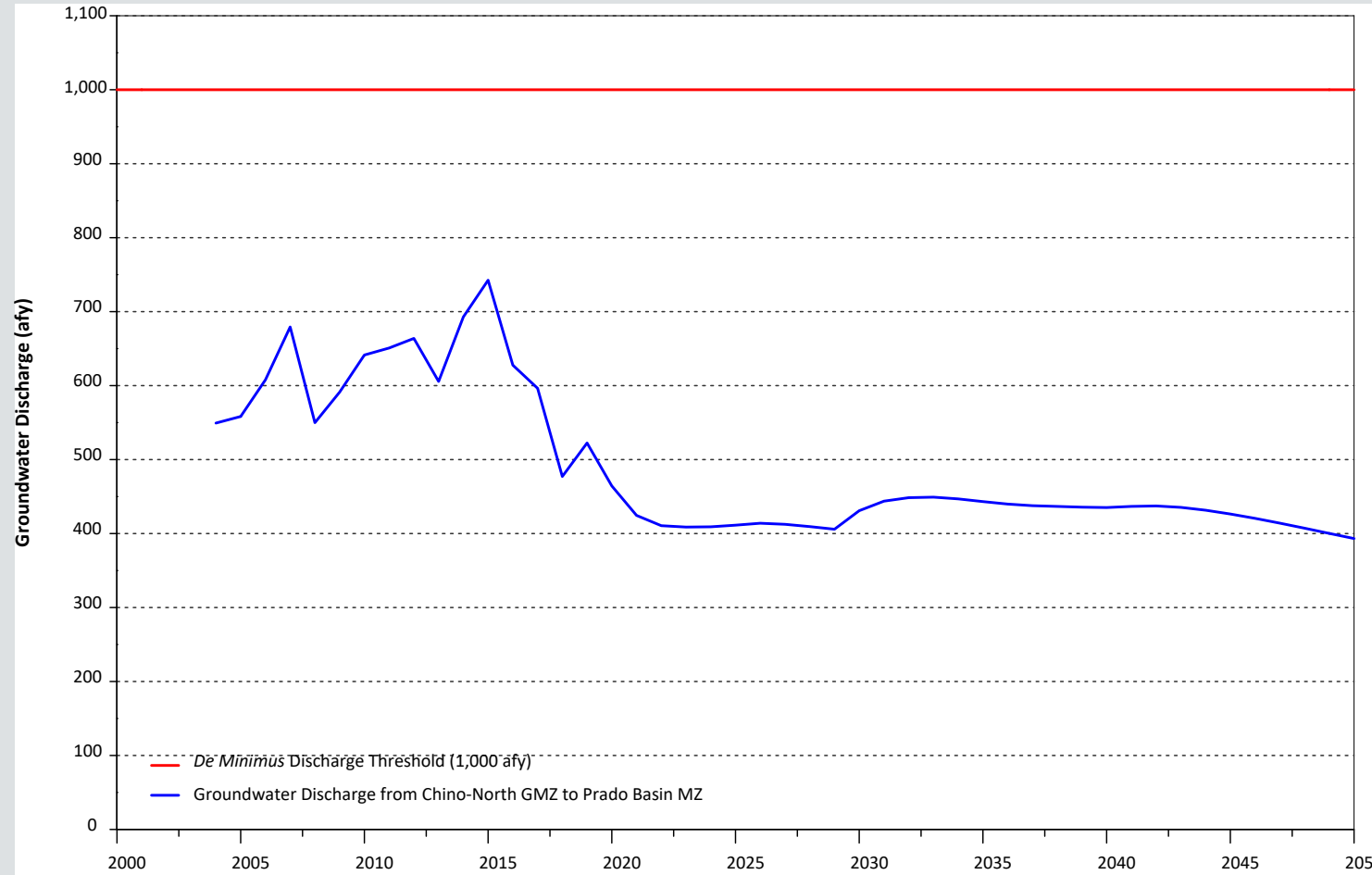
➤ IEUA TIN permit limit is 8 mg/l

Compliance Status – Hydraulic Control (No. 8 met)



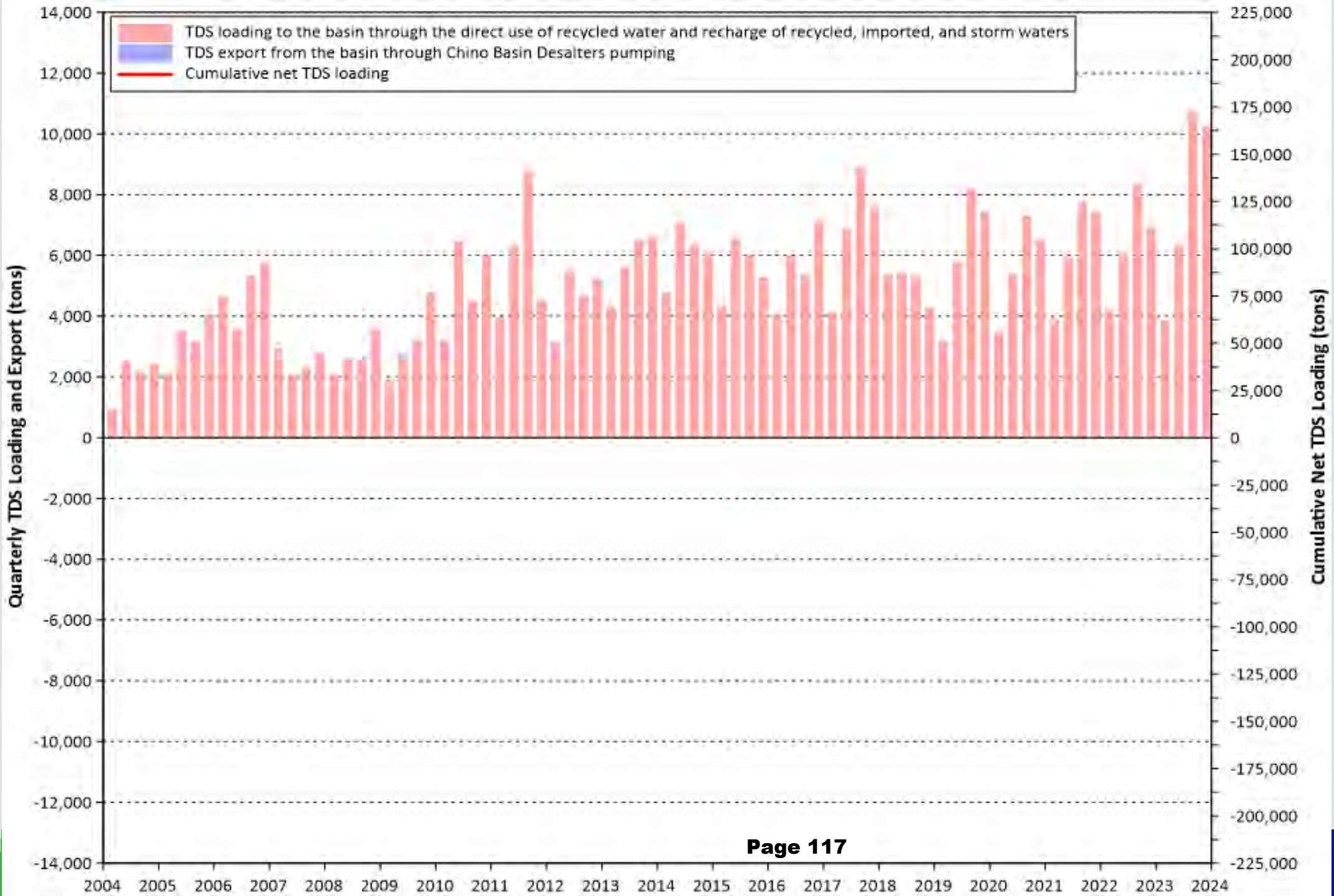
- Hydraulic control is achieved when groundwater discharge from the Chino-North to Prado Basin is eliminated or reduced to de minimis levels (<1,000 afy)
- 2022 groundwater elevation contours demonstrate regional depression in groundwater levels surrounding the
 - Chino-II wellfield and
 - the eastern half of the Chino-I desalter well I-20

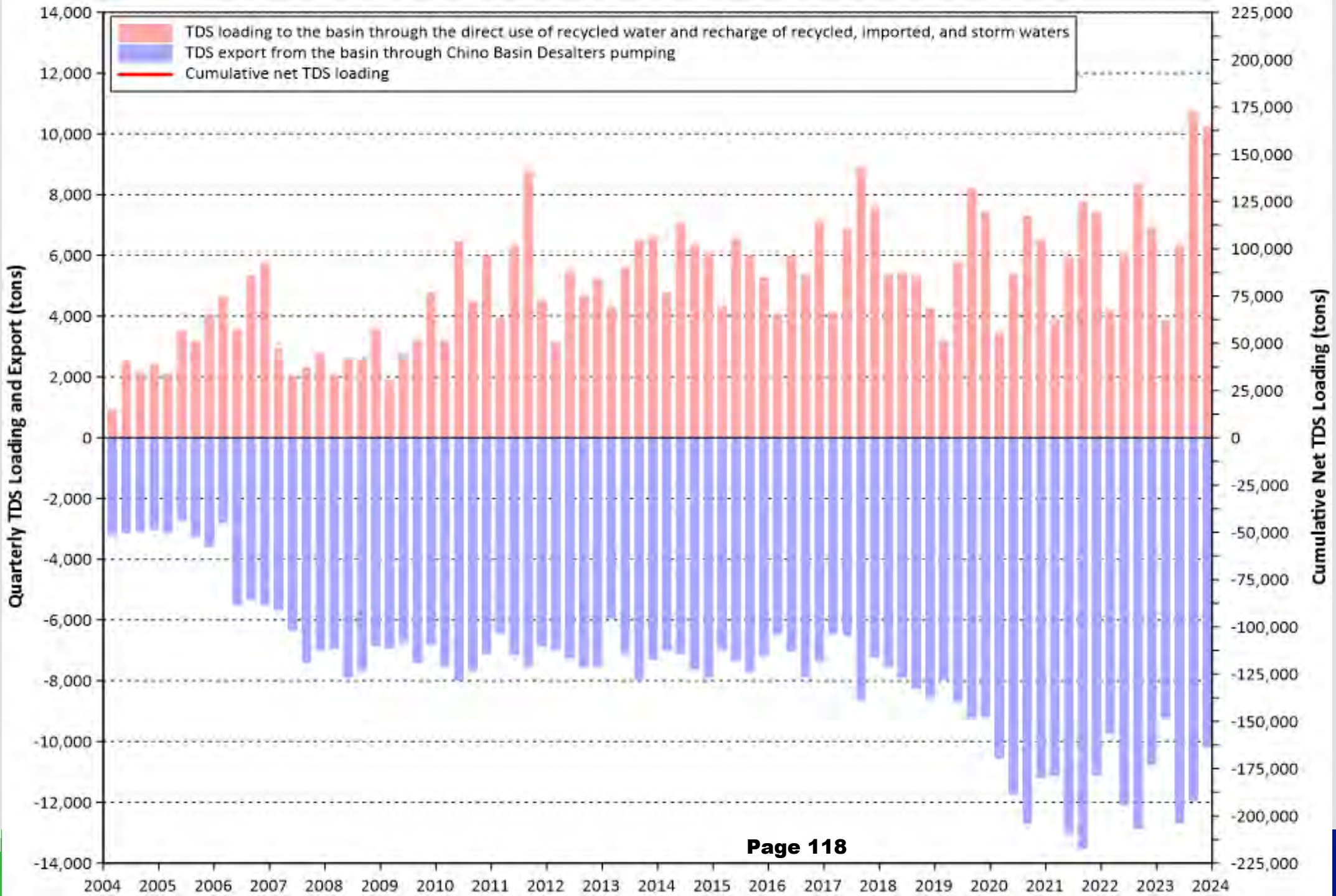
Compliance Status – Hydraulic Control (No. 8 met)

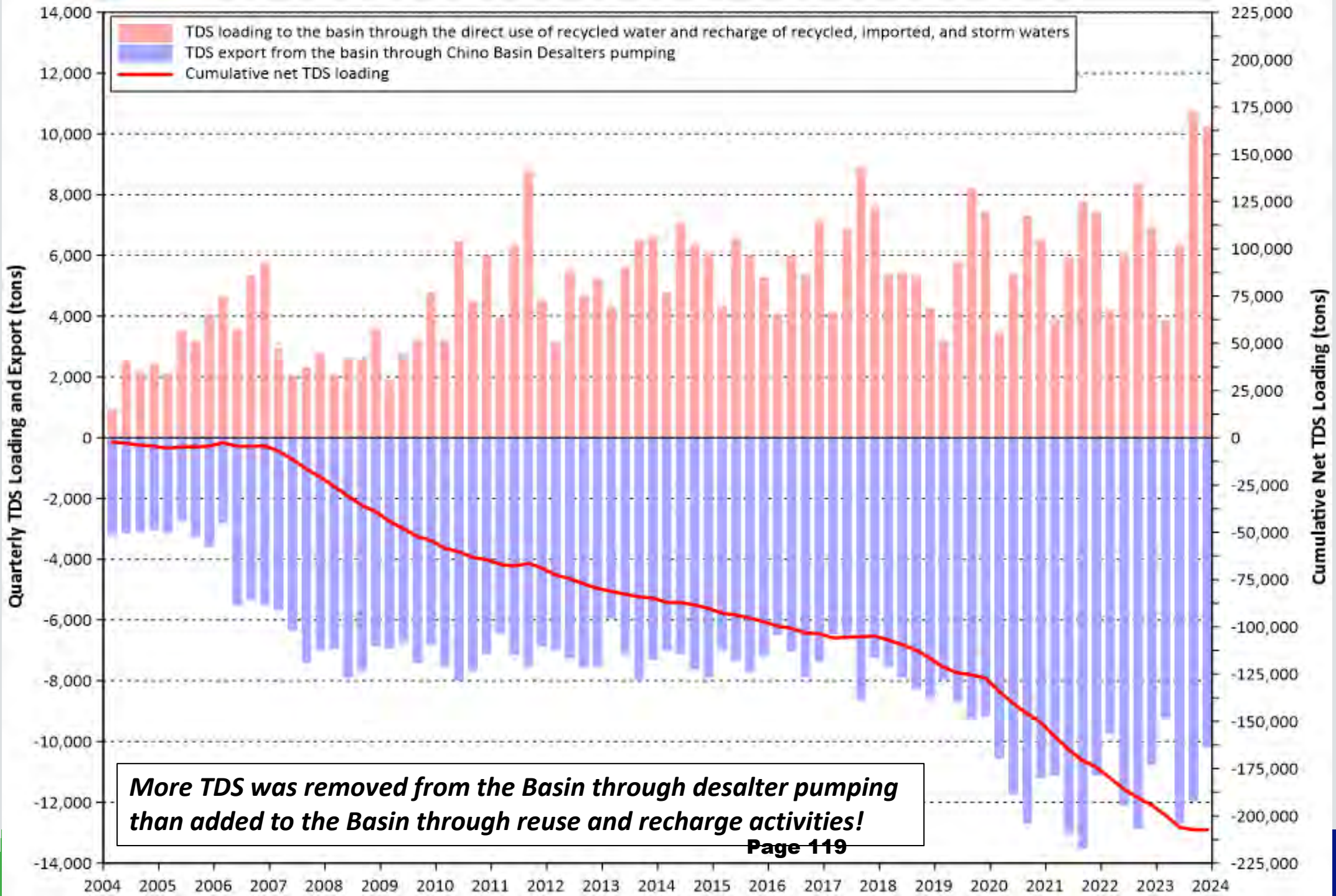


Historical and projected groundwater discharge from Chino-North to Prado Basin

- Projected groundwater discharge from 2020 Safe Yield Recalculation
- Groundwater discharge averages around 490 afy, which is less than de minimis threshold of 1,000 afy from 2000 through 2050

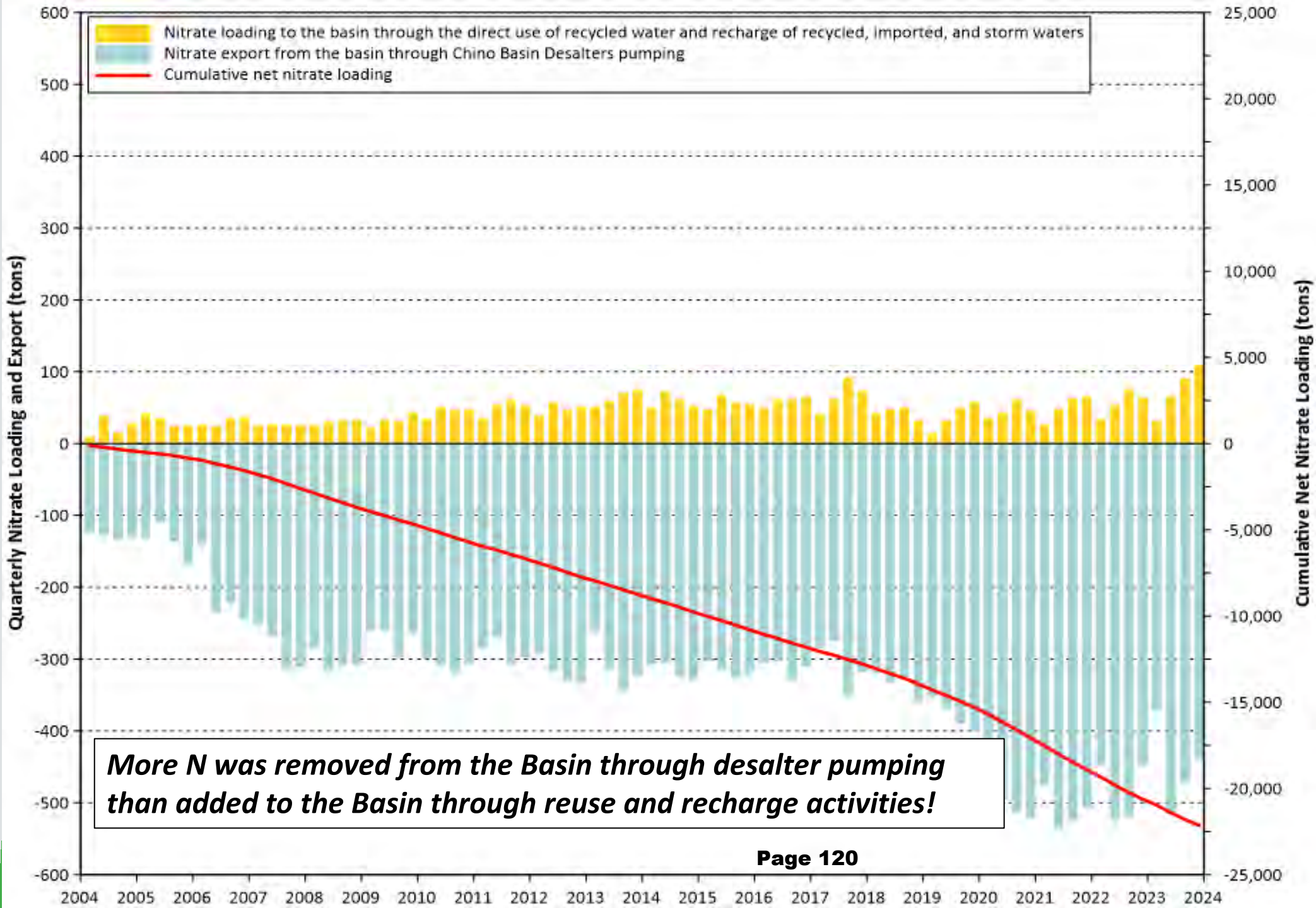






Successful
Basin
Management
Story!

More TDS was removed from the Basin through desalter pumping than added to the Basin through reuse and recharge activities!



Successful
Basin
Management
Story!



Basin Plan Amendment to Update the Chino Basin Maximum Benefit Commitments

Two Projects, One Basin Plan Amendment

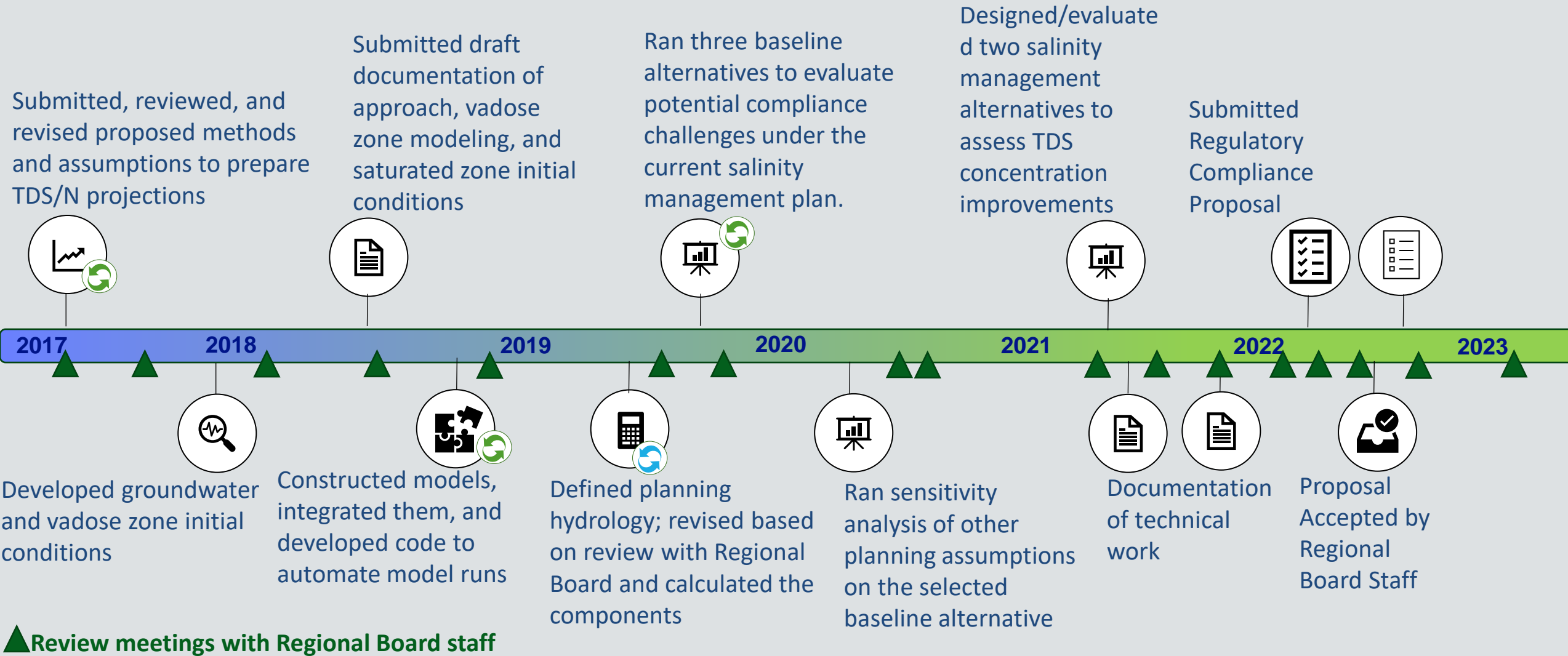
Watermaster/IEUA

- Amend IEUA recycled water permits to longer-term averaging periods for compliance with TDS limitations to address compliance during drought periods
- ✓ Regional Board staff-level approval – July 15, 2022

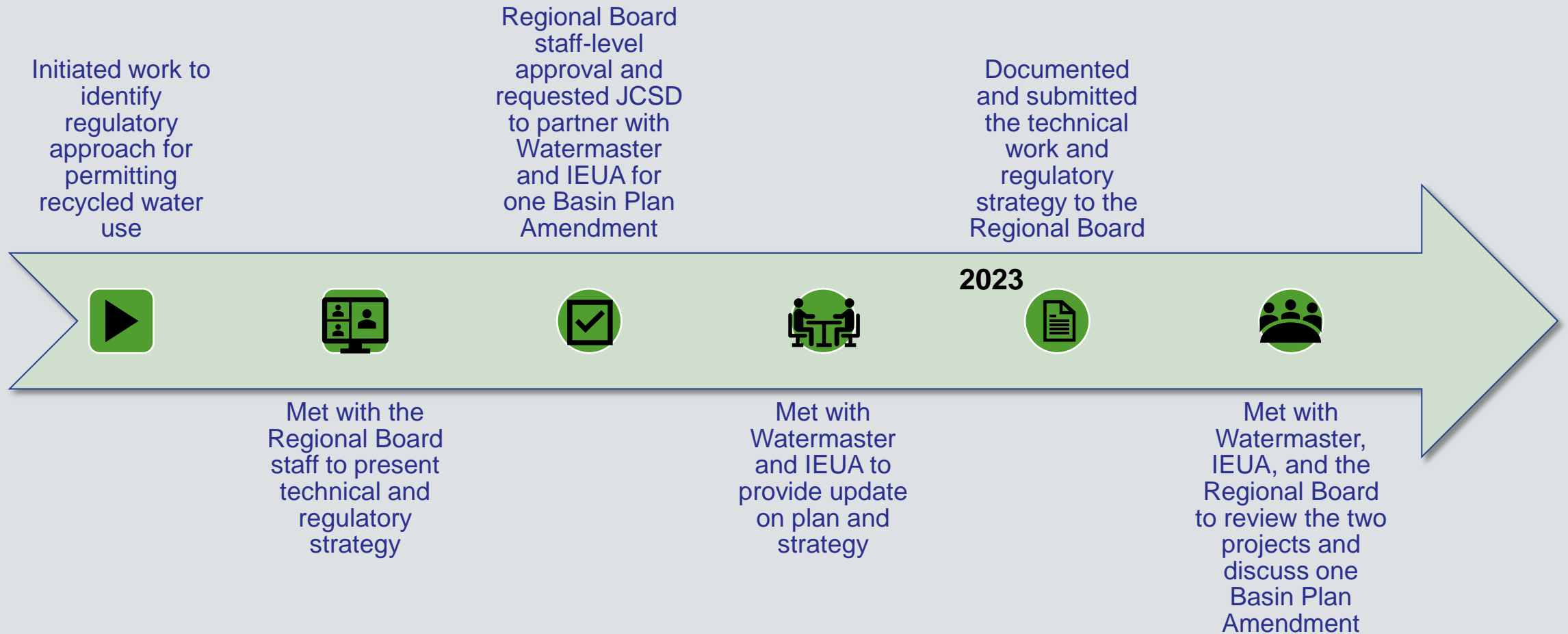
JCSD

- Initiate recycled water use within JCSD service area to increase recycled water use in the Basin
- ✓ Regional Board staff-level approval – May 27, 2022

Watermaster/IEUA – Work Completed 2017-2023



JCSD – Work Completed 2021-2023



Changes to the Maximum Benefit SNMP and Commitments



Amend IEUA Effluent Compliance Metric and trigger for action based on 10-year volume-wtd effluent TDS



Amend managed recharge compliance metric based on 10-year volume-wtd recharge TDS



Add JCSD as responsible party to the implementation of the SNMP



Allow for use of other sources of recycled water in Chino Basin, so long as compliance with effluent limits

Changes to the Maximum Benefit SNMP and Commitments



Update monitoring program workplan (last update was 2012) -
(Tentatively planned to begin July 2024)



Prepare research plan to address the limitations of water quality modeling tools - *(Tentatively planned to begin July 2024)*



5-year update of the water quality model and projections – *(Tentatively planned to begin July 2026, following flow model update)*

Scope of Work to Support Basin Plan Amendment

Materials for CEQA Scoping Meeting



Substitute Environmental Document (SED)



Staff Report



Board Resolution



Basin Plan redline



Scientific Peer Review Package

ADA Compliance

Slides for presentation at Water Board hearing

Administrative Record

Others, as needed





Basin Plan Amendment Timeline

Work initiated in July 2023 and expected to complete in August 2025

- Complete CEQA Scoping Meeting, SED, Draft Staff Report, Draft Resolution
— Ongoing (expect to complete in August 2024)
- Prepare Peer Review Application
— 2 months (August to September 2024)
- Scientific Peer Review (including address comments)
— 6 months (October 2024 to March to 2025)
- Finalize Package and ADA Compliance
— 2 months (April to May 2025)
- Notice for Santa Ana Regional Board Hearing and Hold Hearing
— 2 months (June to August 2025)



CDA Systems Overview and Project Updates

May 2024

Outline

CDA Overall System

- System Description

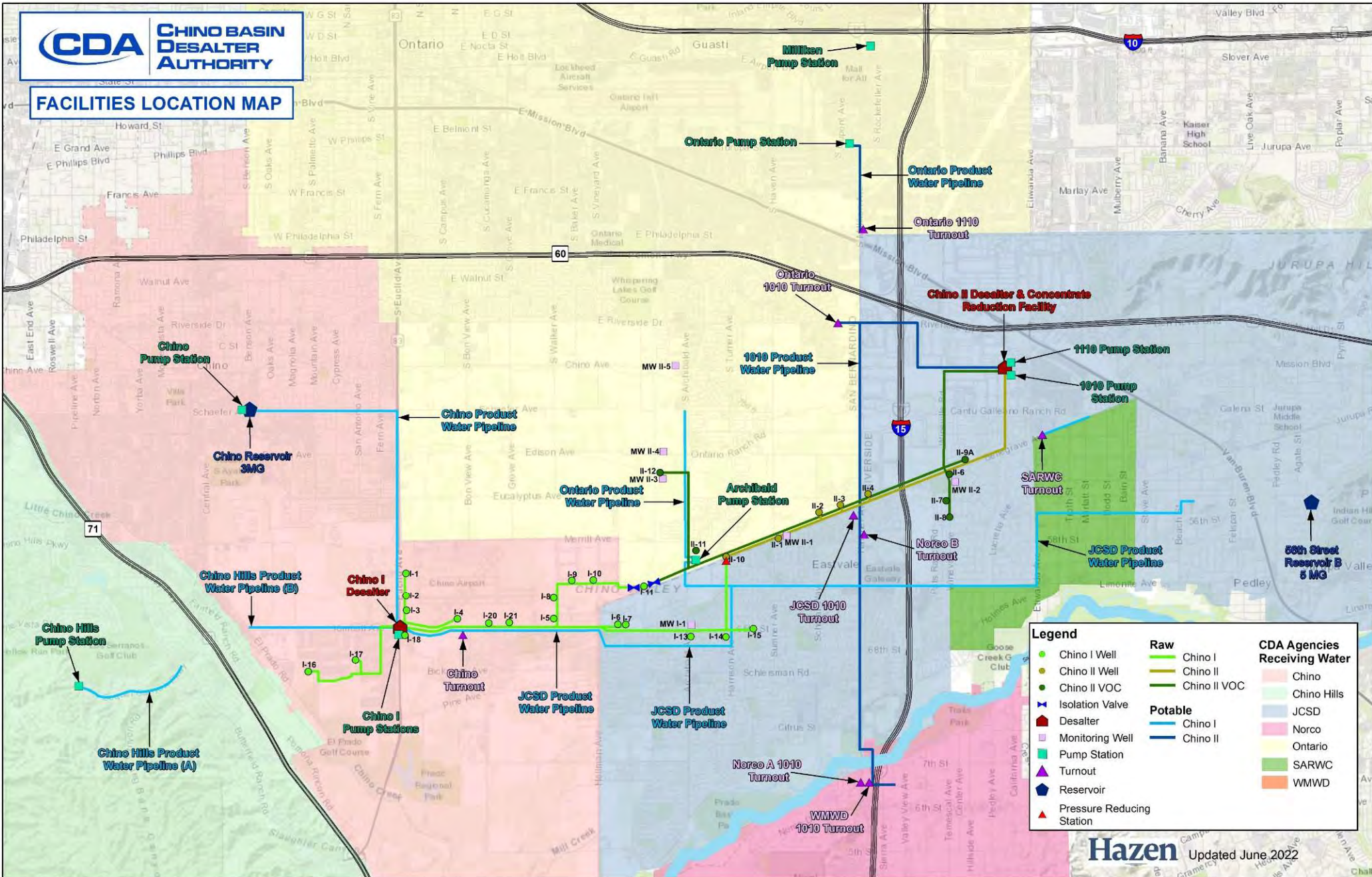
Chino I Desalter VOC Treatment Facilities

- Project Description
- Operational Performance

South Archibald Plume Cleanup Project

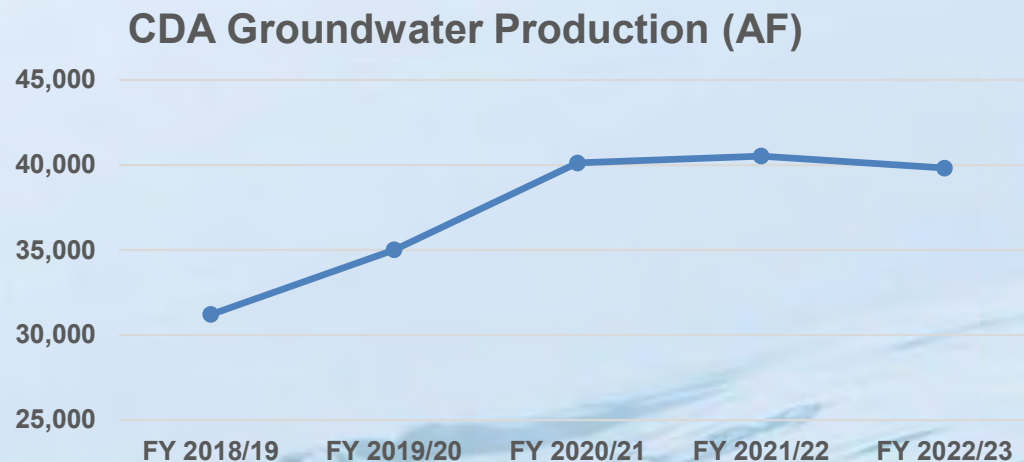
- Project Description
- Operational Performance

CDA Overall System



CDA Overall System Description

- Groundwater Extracted: 40,000 AF/Year
 - 30 Wells
 - 2 separate well fields (Chino I and Chino II)
 - CDA wells strategically located in cooperation with Chino Basin Watermaster and the RWQCB as part of the Optimum Basin Management Program (OBMP)
- Treated Water: 35,200 AF/Year



CDA Overall System Description





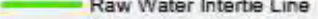
- Two Desalters
 - Chino I – Constructed by SAWPA (2000):
 - Reverse Osmosis/Ion Exchange/Air Stripping/GAC
 - Operated by IEUA (contract w/CDA)
 - Production ~12 mgd
 - Chino II (2006):
 - Reverse Osmosis/Ion Exchange/Air Stripping
 - Operated by Jurupa CSD (contract w/CDA)
 - Production up to 23.5 mgd
 - Concentrate Reduction Facility (2017) recovers and treats portion of RO brine waste
- Brine Disposal: SAWPA Inland Empire Brine Line (IEBL)
- Exports ~ 23,000 tons of salt annually from Chino Basin

Chino I VOC Treatment Facilities Project

- Project Goals:
 - Prevent Spreading and Expedite Clean-up of Chino Airport Plume
 - Removal of VOCs and 1,2,3-TCP from CDA Wells (I-1 through I-4, I-16, I-17, and I-18) and 10 New County Wells
 - Room for future expansion to treat CDA Wells I-20 and I-21 if necessary
- Treatment System:
 - Cartridge Filtration followed by GAC Treatment System for both CDA and County Wells
 - Treatment System Capacity: North CDA System (1,255 gpm) and South County System (2,325 gpm)
- Systems placed in operation in April 2023 with CDA wells
- VOC removal through March 2024: 262 lbs TCE and 10 lbs 1,2,3-TCP
- Additional County wells scheduled to be operational in third quarter of FY 2024/25

Chino II Desalter – South Archibald Plume Project

LEGEND

-  VOC Wells
-  Non VOC Wells
-  VOC Pipelines
-  Raw Water Transmission Line
-  Raw Water Intertie Line



Chino II South Archibald Plume Project

- Plume cleanup is a cooperative project between IEUA and CDA with goals to remove TCE by pumping and treatment, minimize migration of the TCE plume, and assist in nitrate/TDS removal and hydraulic control of the Chino Groundwater Basin.
- Well II-12
 - Operational in August 2021
 - TCE concentrations in the 30s (ug/L)
- Air Strippers
 - Three new air stripper towers in service
 - Achieves TCE in total plant blend below MCL

Well II-12 Operation

- Well II-12 Performance for period 8/23/21 through 3/31/24
 - Total groundwater extracted = 7,820 acre-feet
 - TCE concentration (average) and Total TCE Removed = 33 ug/L; 670 lb
 - Nitrate concentration (average) and Total Nitrate Removed = 13 mg/L-N; 280,000 lb
 - TDS concentration (average) and Total TDS Removed = 425 mg/L; 9,300,000 lb
 - Potable water delivered to distribution = 7,430 acre-feet



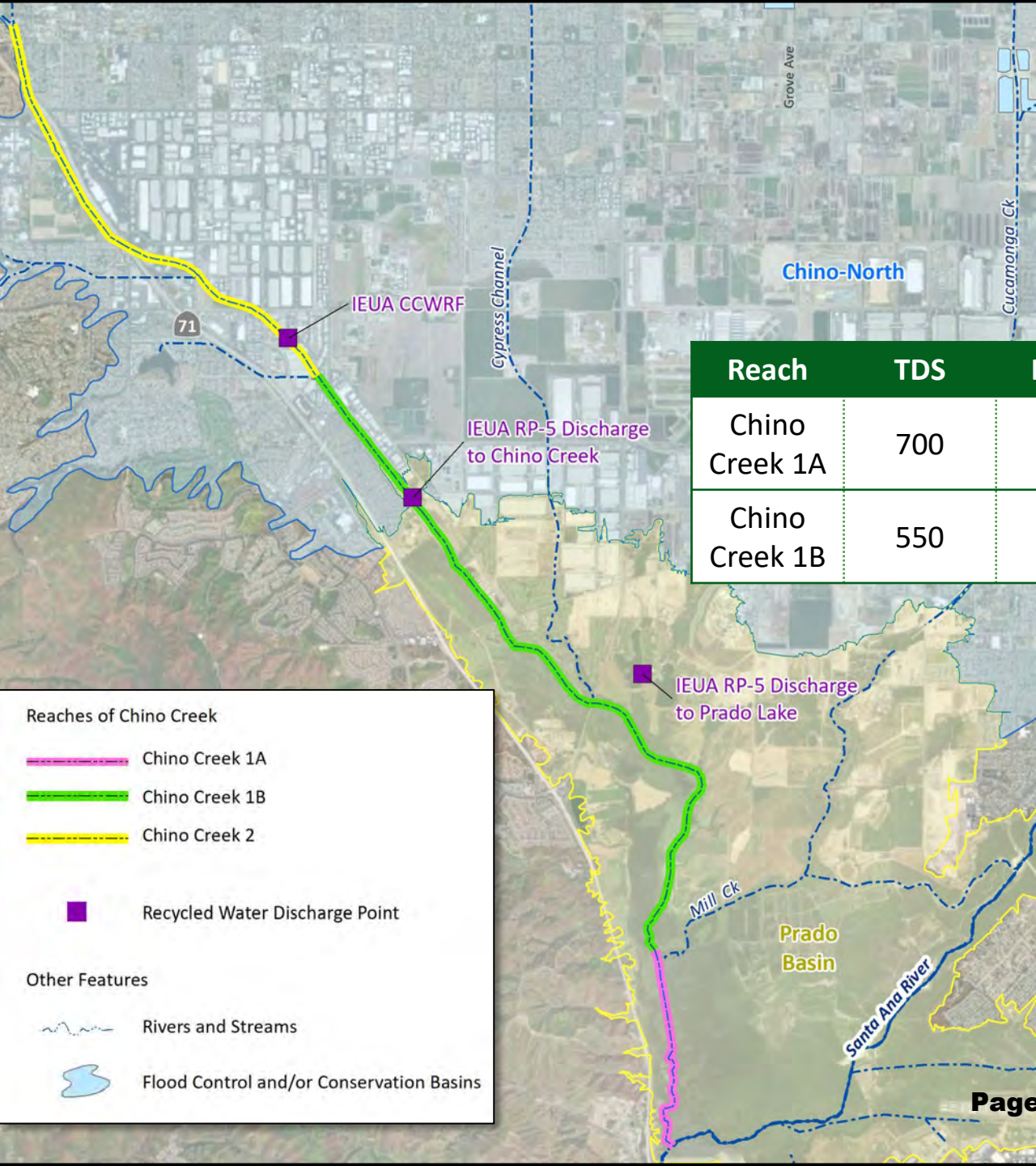
Chino Creek Monitoring Program

Background

Basin Plan Objectives

Reach	TDS	Hardness	Sodium	Chloride	TIN	Sulfate	COD
Chino Creek 1A	700	350	110	140	10	150	30
Chino Creek 1B	550	240	75	75	8	60	15

- Chino Creek 2 has no water quality objectives



Background

Integrated Report

- Assessment and report of surface water quality conditions compared to objectives – 305(b) Report
- Water bodies with water quality conditions that exceed the objectives (impaired water bodies) – 303(d) List

February 2023 – Draft 2024 Integrated Report

- Chino Creek 1B listed as impaired in 303(d) List

January 2024 – Final 2024 Integrated Report


- Chino Creek 1B updated to 305(b) Category 3 – Insufficient data to make final determination but the limited data indicates that there may be impaired



Background



- Review historical monitoring activities and data




- Characterize conditions upstream and along Chino Creek compared to objectives



- Assess if there are data gaps



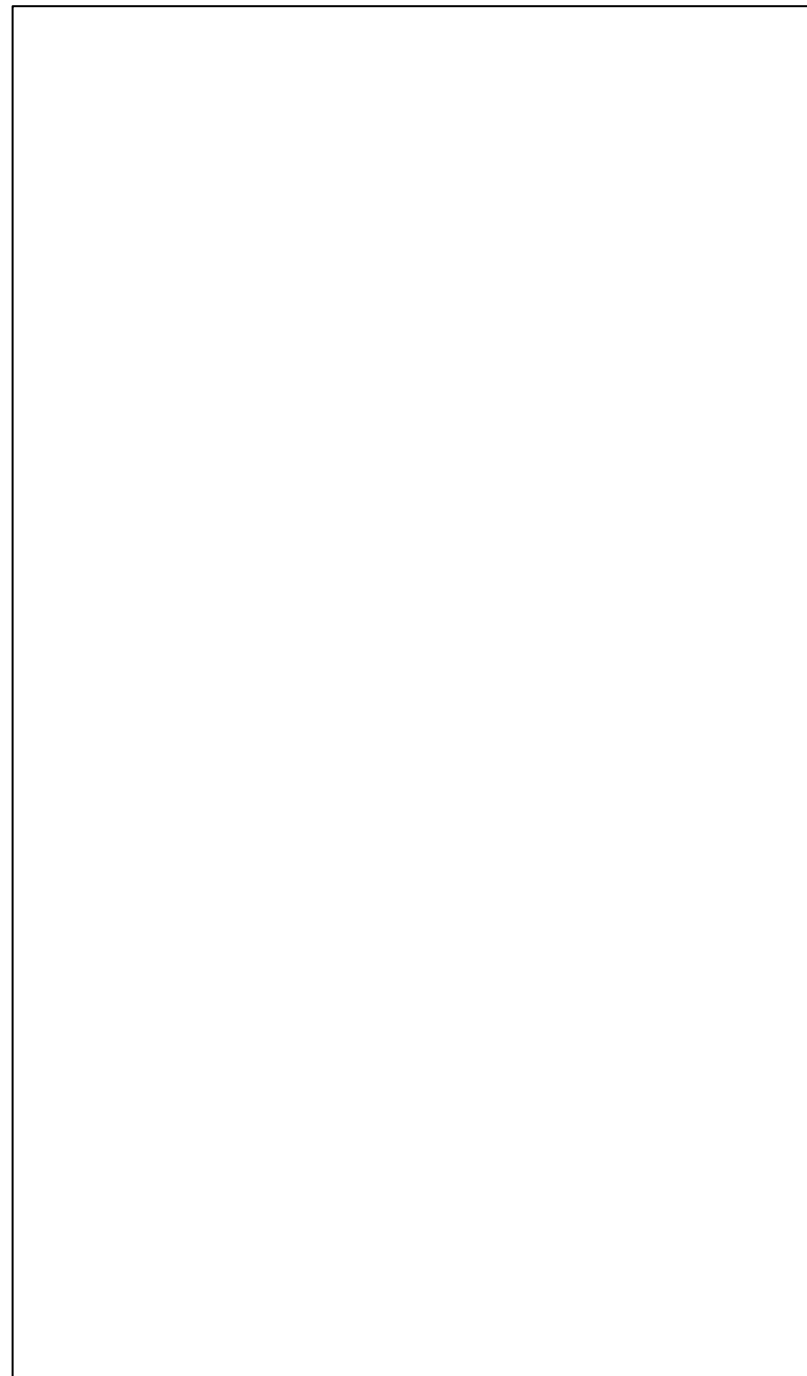
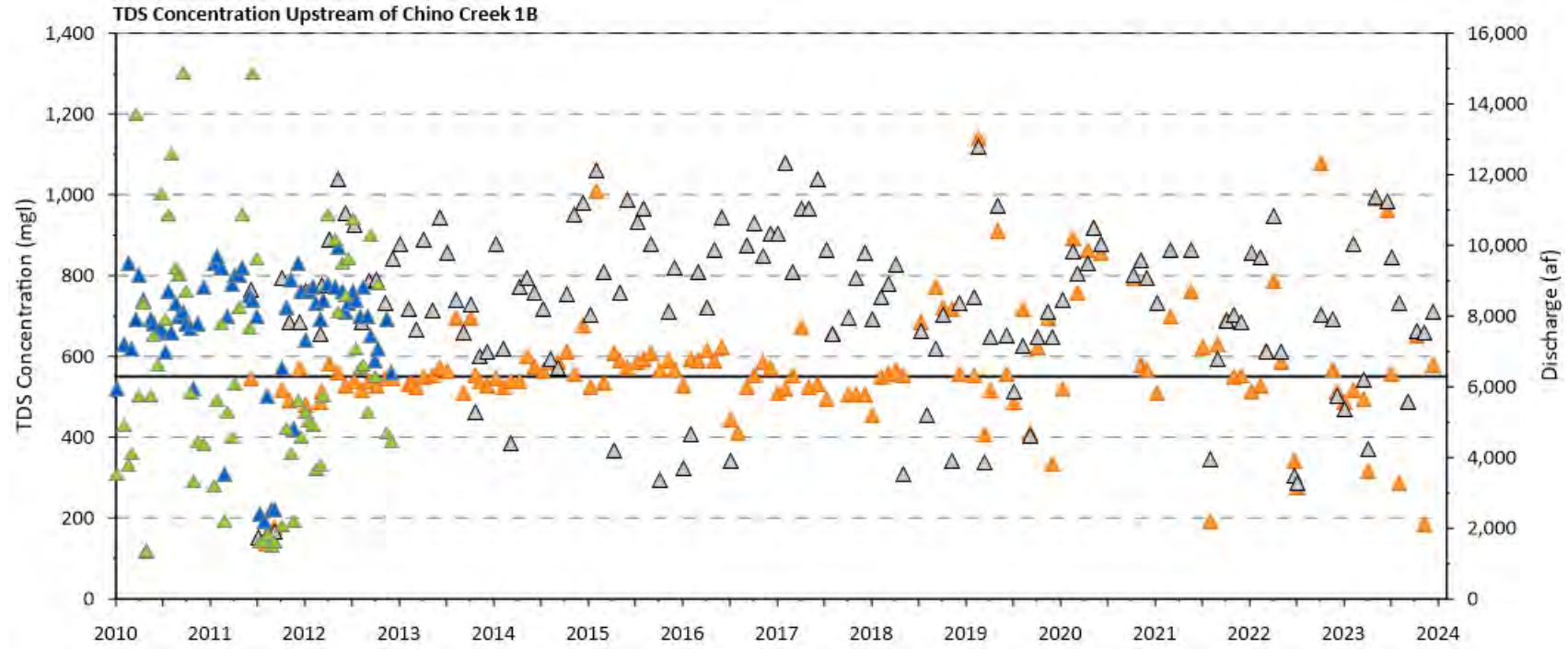
- Review data guideline or requirements (Listing Policy)

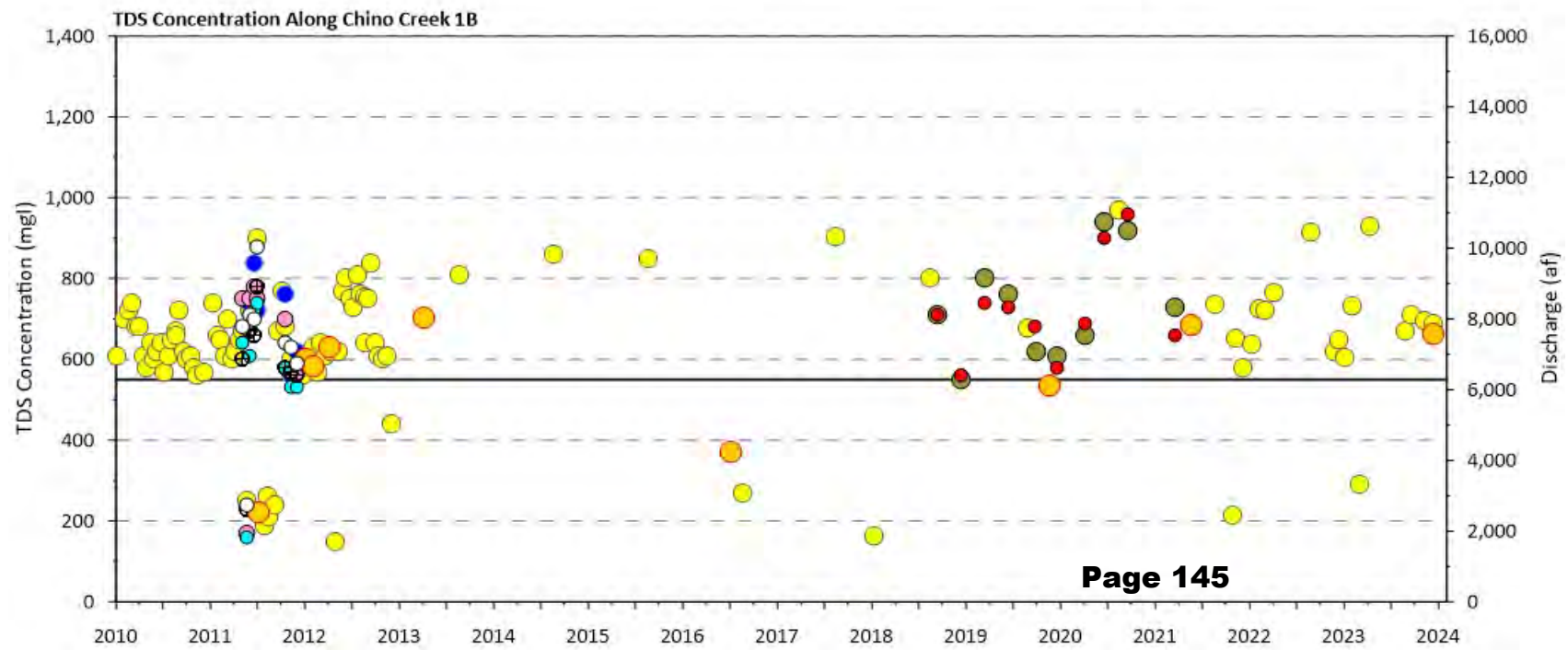
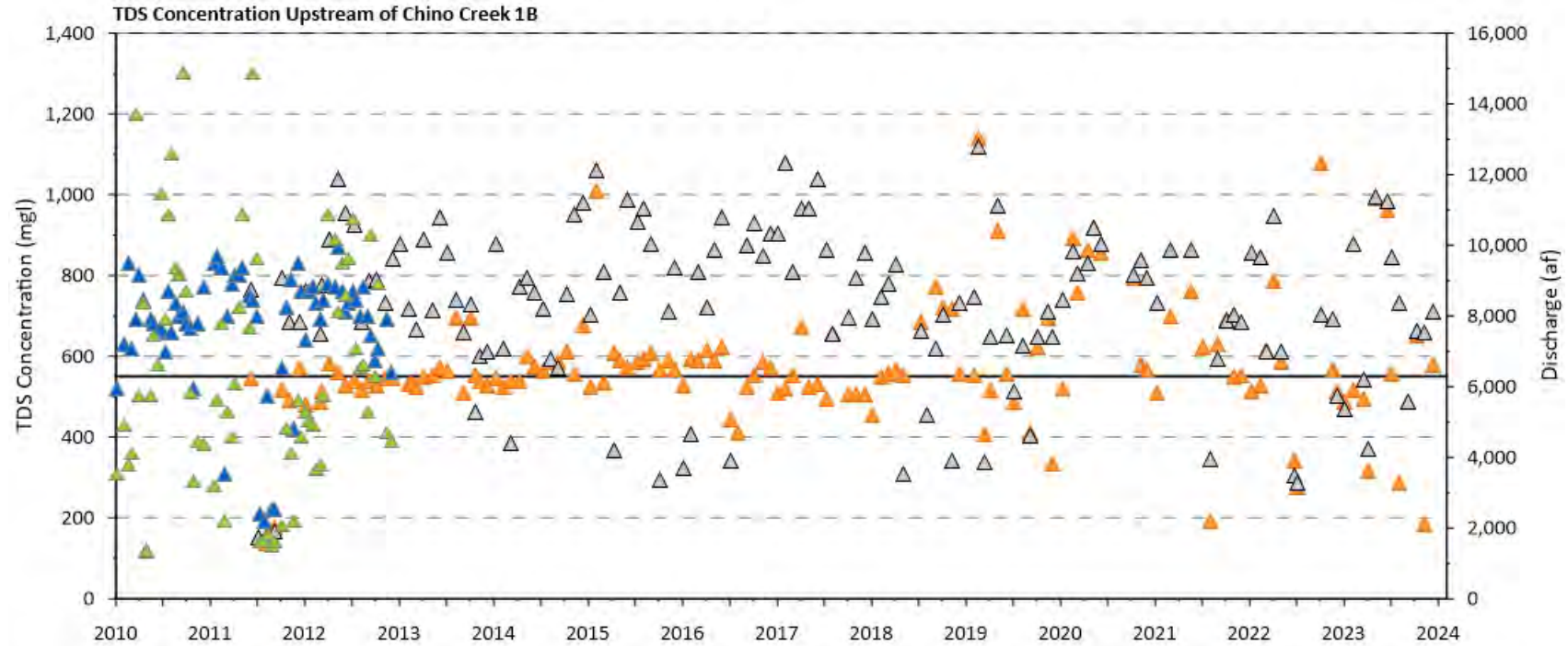


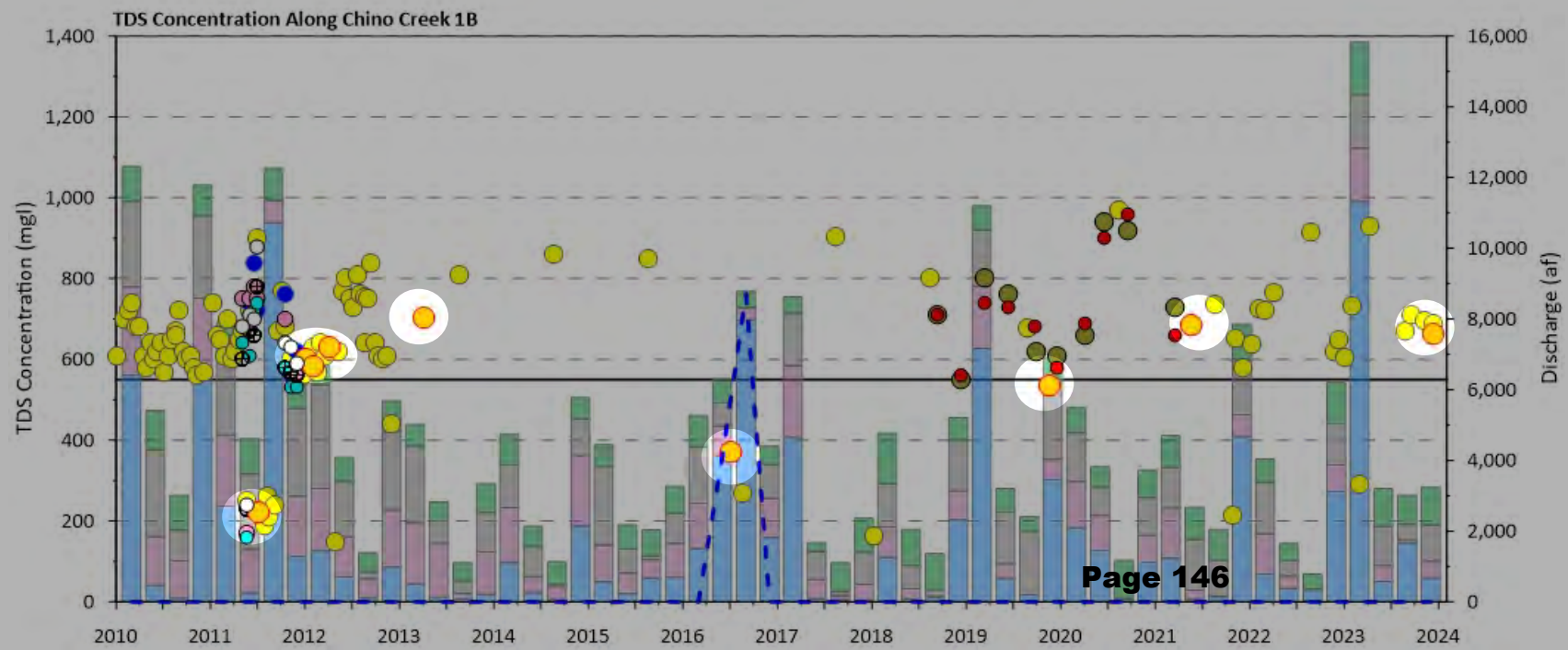
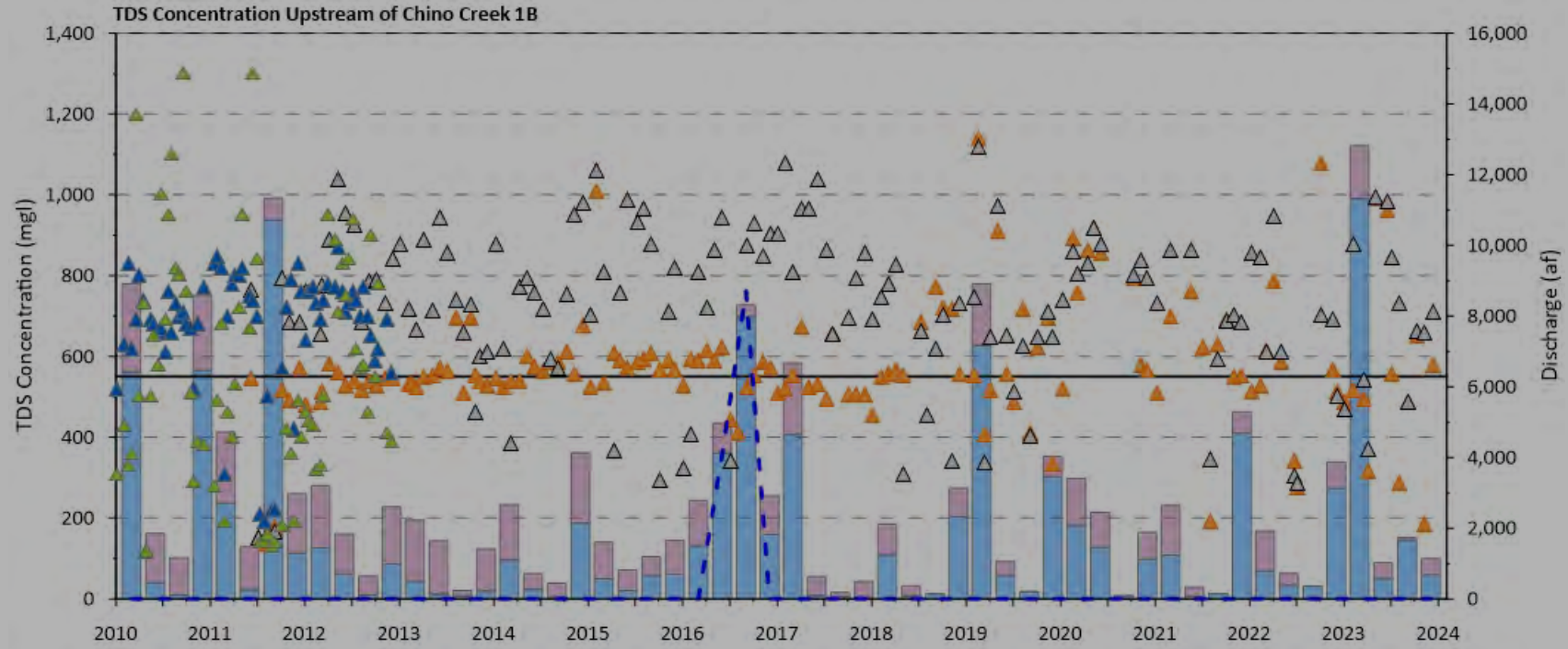
- Coordinate with the Regional Board staff



- Develop work plan and QAPP



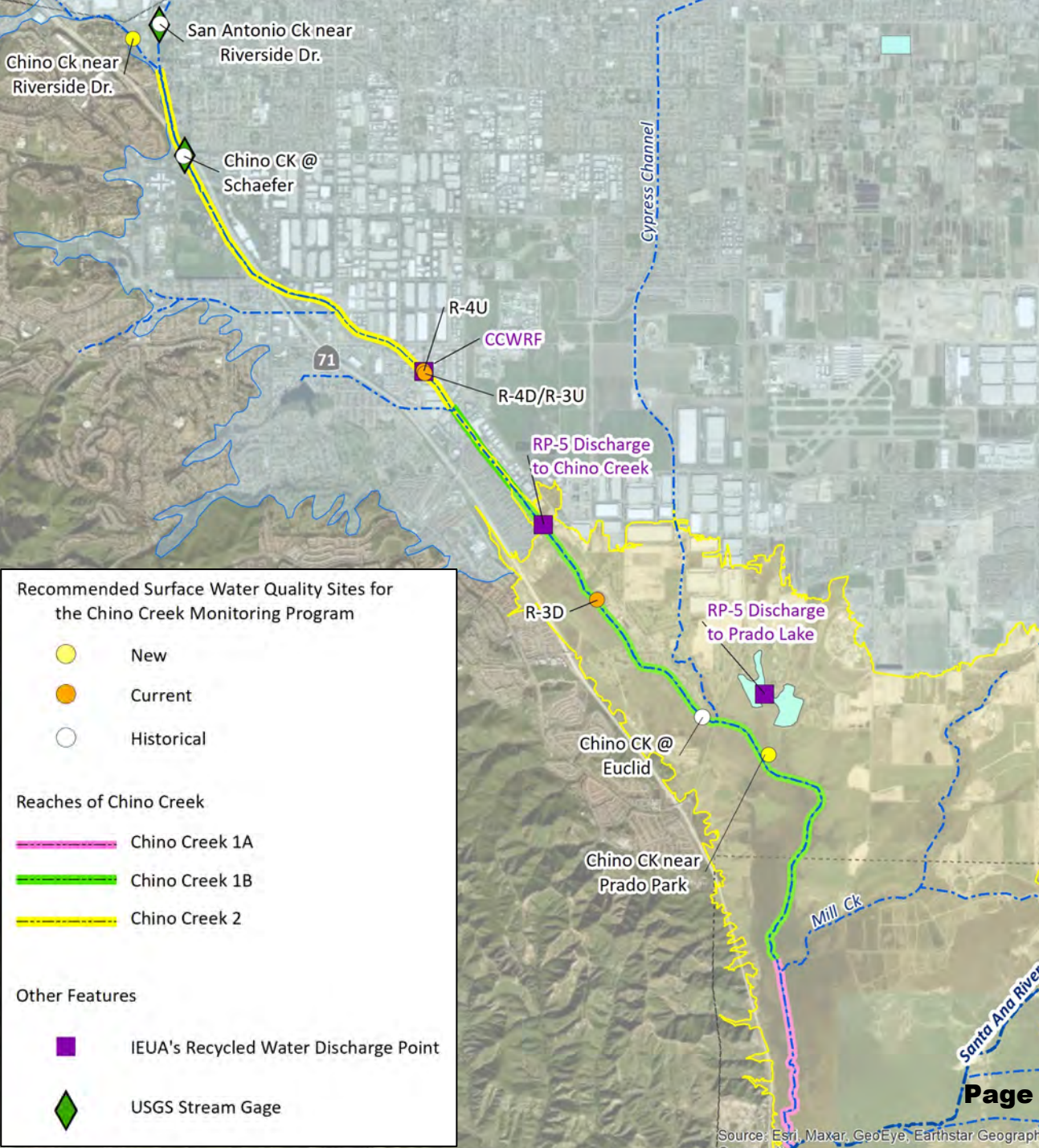




- TDS averaged around 650 mg/l
- TDS generally higher than objective for Chino Creek 1B

- TDS averaged around 635 mg/l
- Sites that are close in proximity have similar TDS
- There are more data compared to what were used in the 2024 Integrated Report

- Supported by a Quality Assurance Project Plan (QAPP)
- Data submitted to CEDEN or other acceptable state databases
- Data should be spatially and temporally representative of the surface water

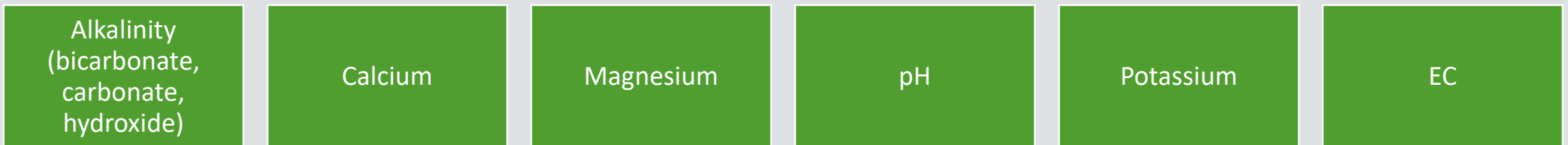


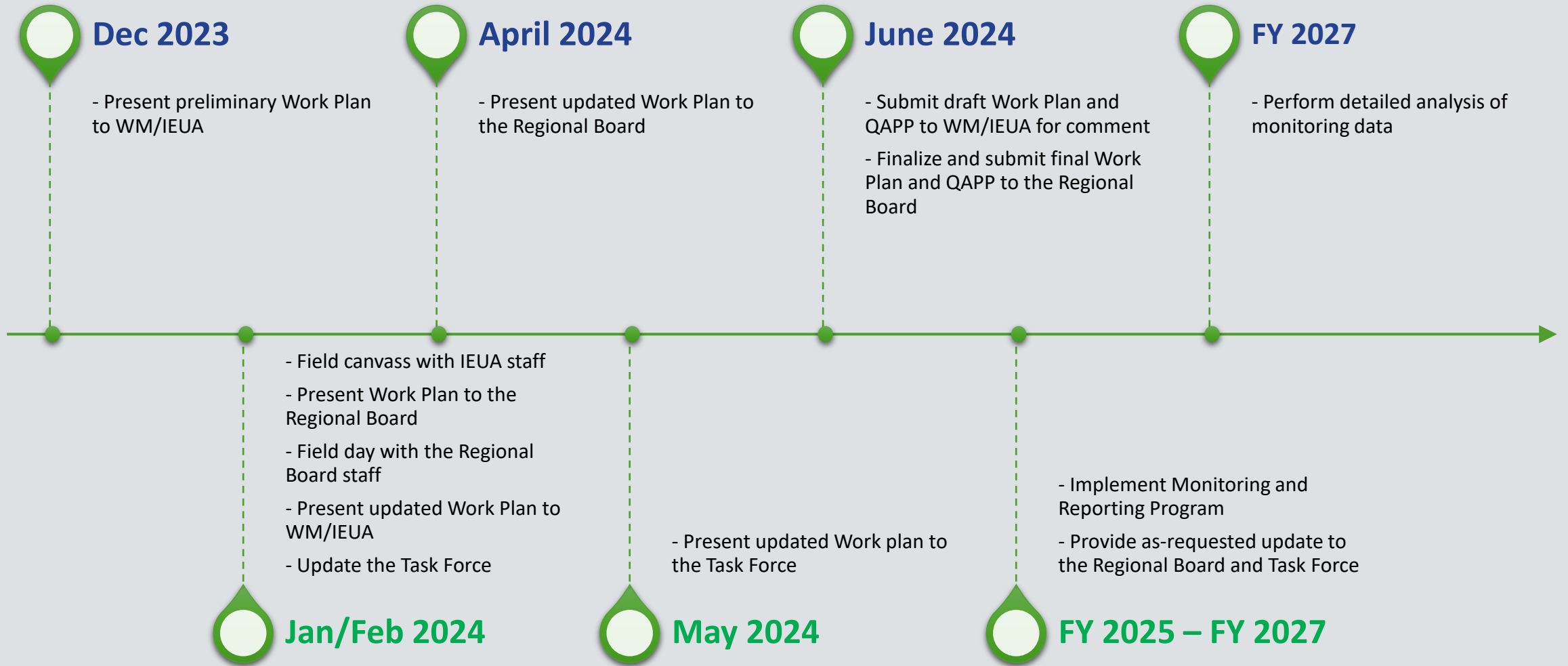
- 8 total sites with monthly sampling
- Why these locations?
 - Spatially distributed at various segment of the creek
 - Sample before and after IEUA discharge points to understand how conditions change before and after recycled water discharges
 - Sample upstream of the reach to understand loadings to Chino Creek 1B





Constituents to help understand sources of dissolved minerals (source water “fingerprint”)





Water Quality Management Program and Emerging Contaminants Monitoring Plan

MAY 27, 2024





2000 Chino Basin Optimum Basin Management Program (OBMP) – And Water Quality Management



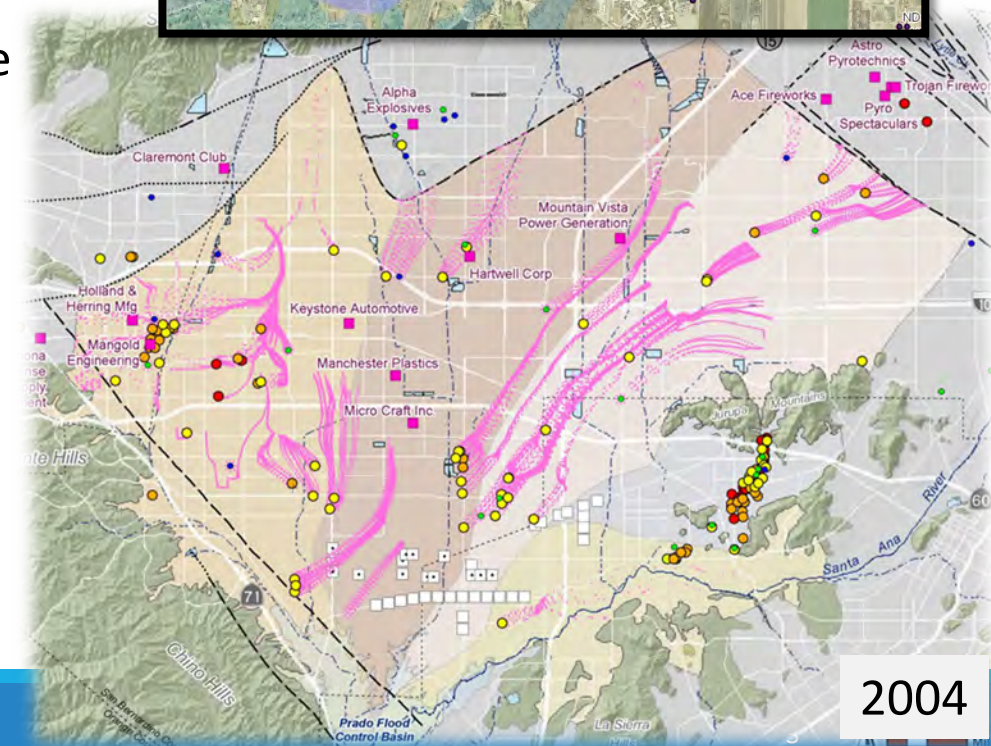
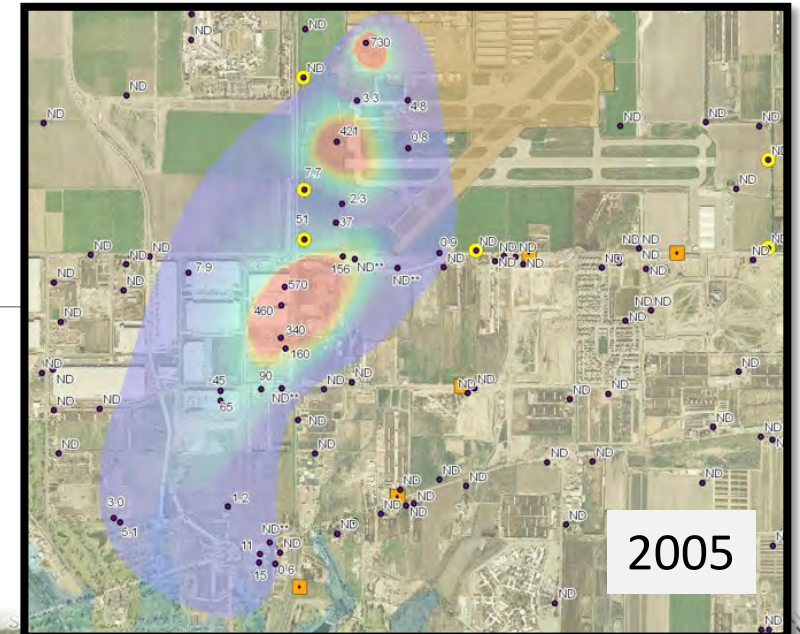
PE 6—Develop and Implement Cooperative Programs with the Regional Board and Other Agencies to Improve Basin Management

- Assess water quality trends in the basin
- Evaluate the impact of OBMP implementation on water quality
- Determine whether point and non-point contamination sources are being addressed by water quality regulators
- Enable collaboration with water quality regulators to identify and facilitate the cleanup of soil and groundwater contamination

- 2003 **Water Quality Committee (WQC)** convened to coordinate PE 6 activities (met 2003-2010)


- WQC Scope of Work - September 2003:

1. Locate the leading edge of the Kaiser Steel TDS/TOC/VOC plume
2. Identify potential sources of perchlorate in the basin.
3. Identify the source of the VOC anomaly located south of the Ontario Airport and north of the Chino-1 Desalter.
4. Identify source(s) of the Chino Airport VOC plume. Regional Board has identified a PRP. Watermaster tracking the progress.





2020 OBMP Update (2020 OBMPU):

- Stakeholders determined that goals and PEs from 2000 OBMP were still relevant and defined updated management activities to achieve the OBMP goals.
- Specific new action defined for PE 6: 

Development of a Water Quality Management Plan (WQMP) - address emerging contaminants of concern to better prepare the parties for addressing compliance with new drinking water regulations, individually or collaboratively.

- Position the parties to optimally protect beneficial uses and their ability to pump their groundwater rights.
- Enhance Watermaster's ability to factor in water quality management considerations



- The WQC reconvened in FY 2023/24:
 - Objectives for a Water Quality Management Program - and refine Scope of Work
 - Plans for an Emerging Contaminants Monitoring Plan (ECMP)

- WQMP Objectives:



Regular education and sharing information on emerging WQ regulations



Inform stakeholders on available WQ data and information



Implement Emerging Contaminants Monitoring Plan to monitor and characterize contaminant occurrence in Chino Basin



Enhance ability to identify impacts to Basin that could result from operational or management responses to WQ regulations



Enhance ability to identify multi-agency and/or multi-benefit projects



Track available grant funding and loan opportunities

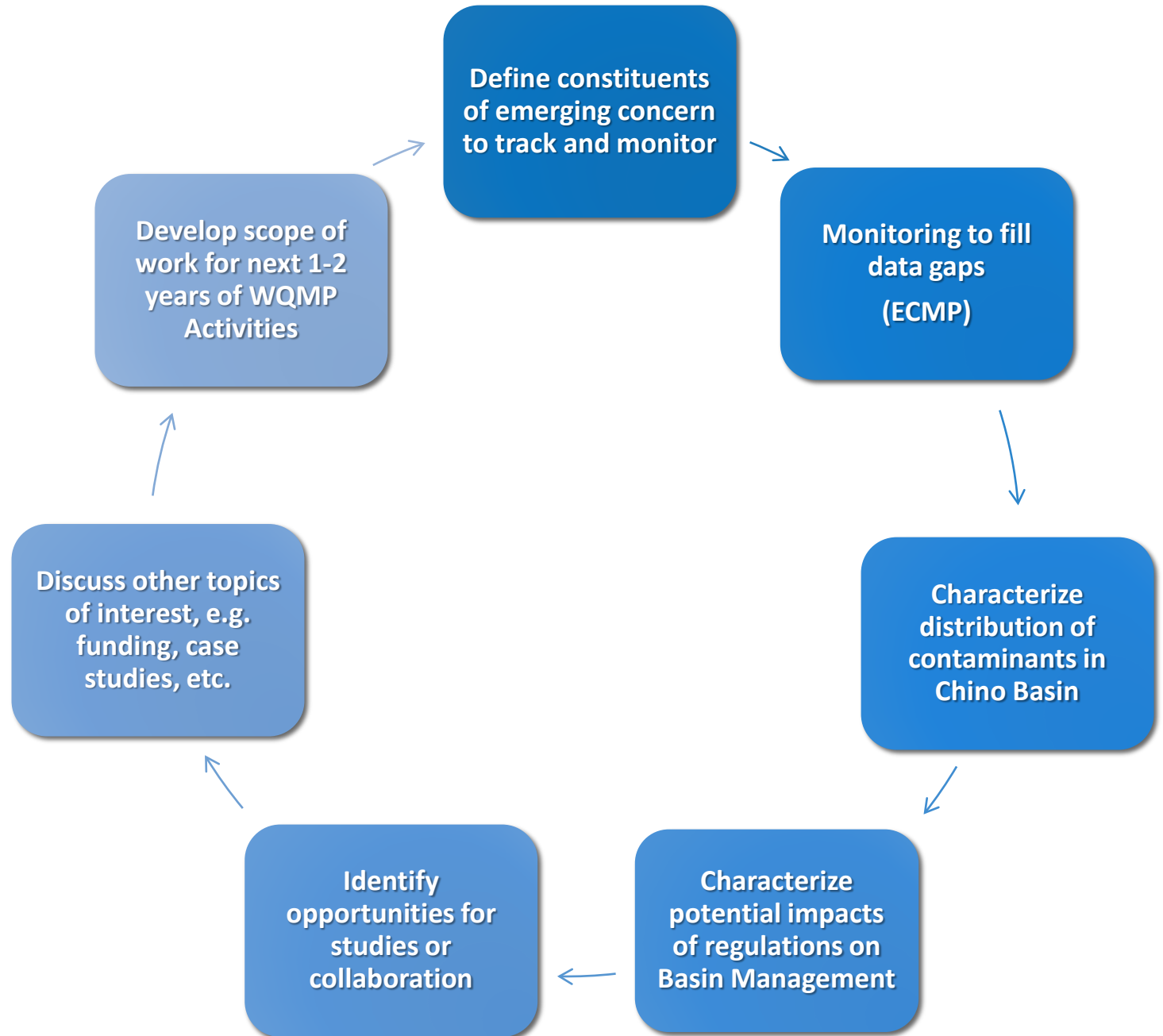


Conduct other activities to address WQ concerns, based on stakeholder interest.

WQMP

Adaptable Flexible
Program Lead by the
WQC

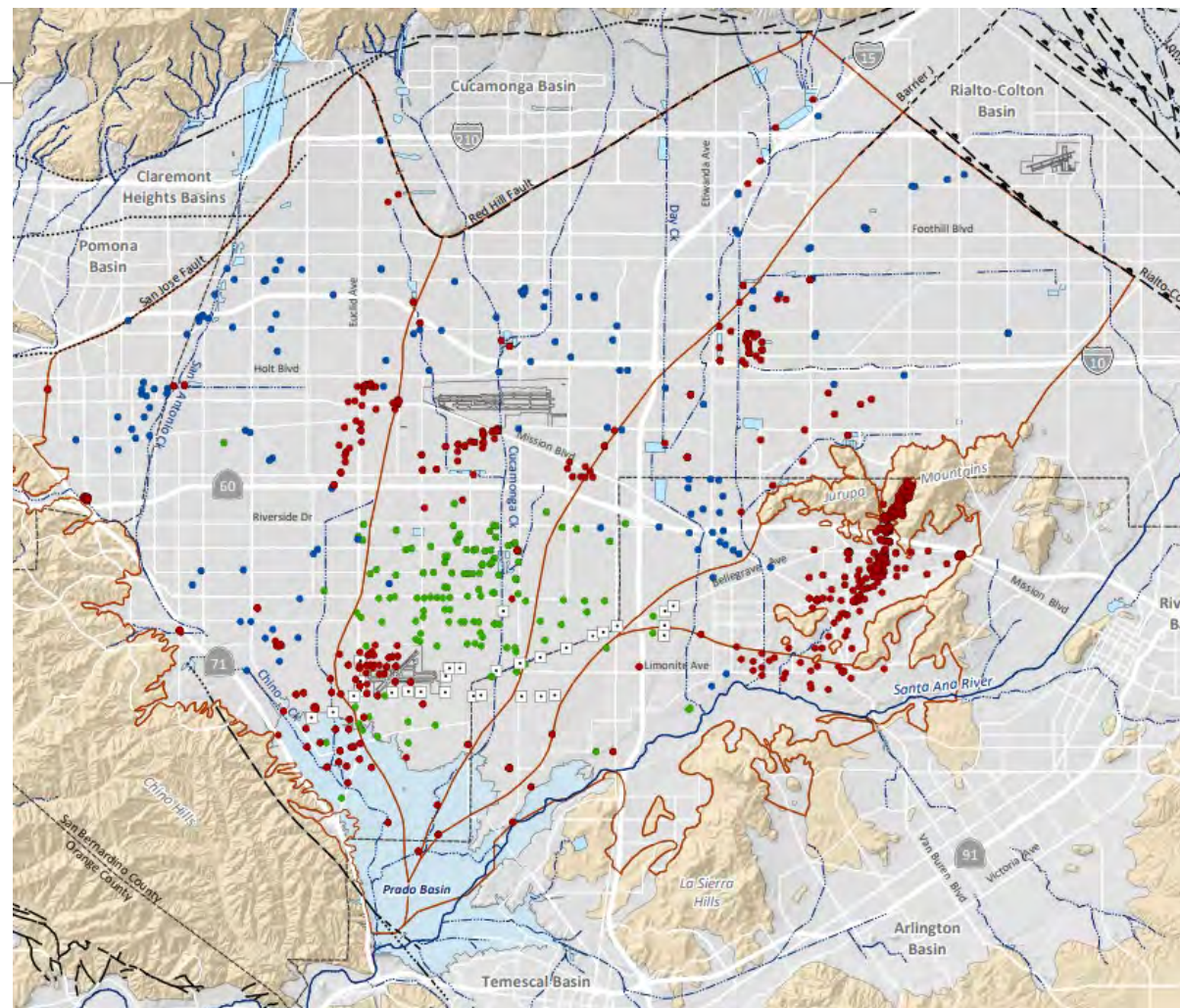
Framework being
reestablished under
PE 6 - similar to the
process implemented
from 2003 to 2010





Emerging Contaminants Monitoring Plan (ECMP)

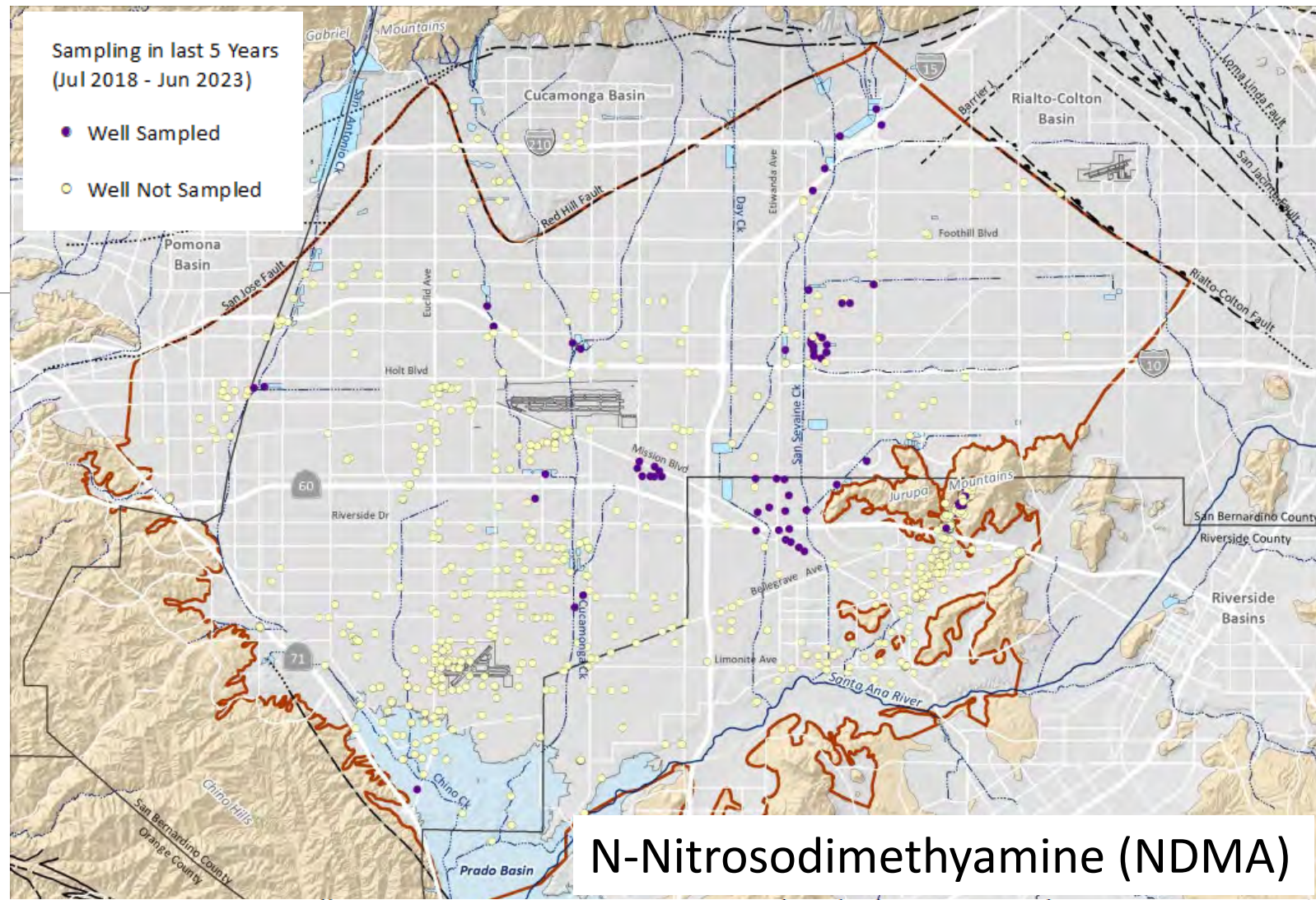
- Data collected will support the understanding of emerging contaminants in the Chino Basin and inform WQC discussions and objectives of the WQMP.





ECMP – Evaluation of Current Monitoring for ECs

Initial List of Potential ECs to Consider



N-Nitrosodimethylamine (NDMA)

Well Type	# of Wells Not Sampled	# of Wells Sampled	# of Wells with Detections
Appropriator	164	16	1
Monitoring - Watermaster	53	23	0
Monitoring - Cleanup site	651	99	61
Private	130	0	0
Total	998	138	62



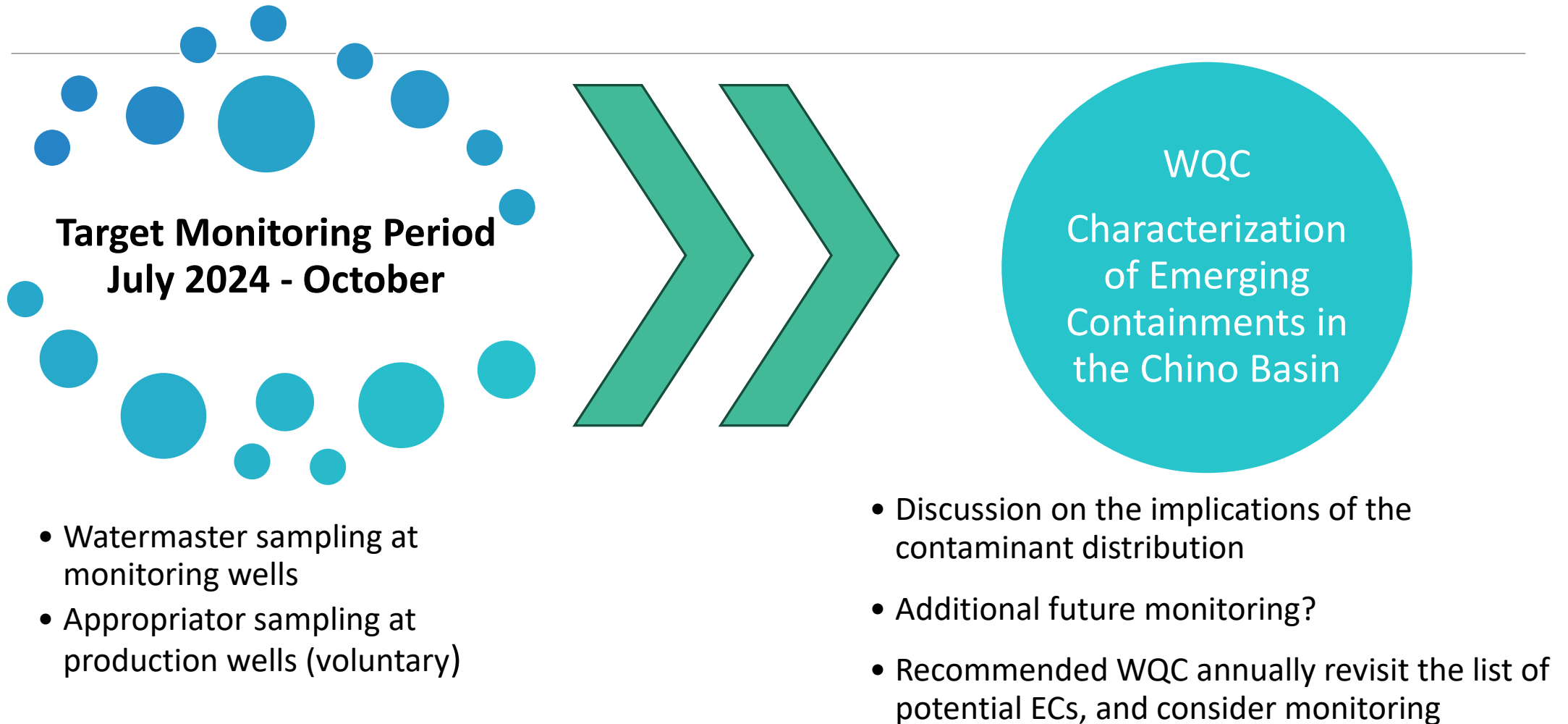
Emerging Contaminants Monitoring Plan (ECMP)

Table 4. Recommended ECMP for FY 2024/25

Contaminant	Detection Limit	Laboratory Analytical Method	Estimated Laboratory Cost	Monitor at Well Type				
				Appropriator Well	Watermaster Monitoring Well	IEUA Monitoring Well	Cleanup Site Monitoring Well ^(b)	Private Well ^(c)
1,4 - Dioxane	1 µg/l	EPA 522	\$195	X	X	X		
NDMA	0.003 µg/l	EPA 521	\$240	X	X			
Perchlorate (low-level method)	1 µg/l	EPA 314	\$30	X	X	X		
PFAS (55 Compounds)	1 ng/l	Cyclopure - DEXSORB [®] ^(a)	\$79		X			
Manganese	2 µg/l	EPA 200.8	\$15		X			
Mercury	0.2 µg/l	EPA 200.8	\$35		X			
Cadmium	0.5 µg/l	EPA 200.8	\$15		X			
Cost per Sample by Well Type:				\$465	\$609	\$225	\$0	\$0
Target Percentage of Wells to Sample by Well Type:				30-50%	50%	50%	0%	0%

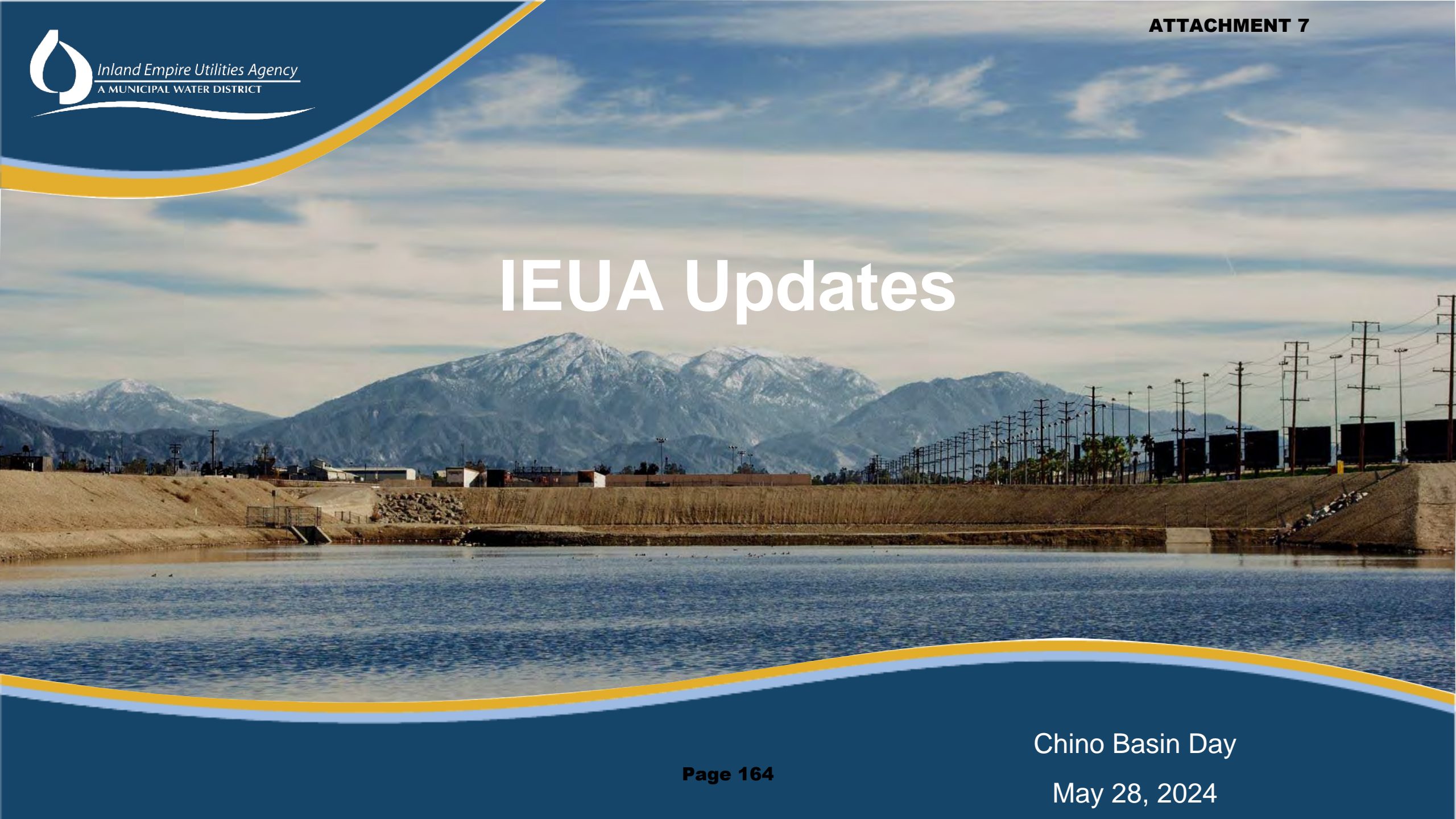


Emerging Contaminants Monitoring Plan (ECMP) – Next Steps

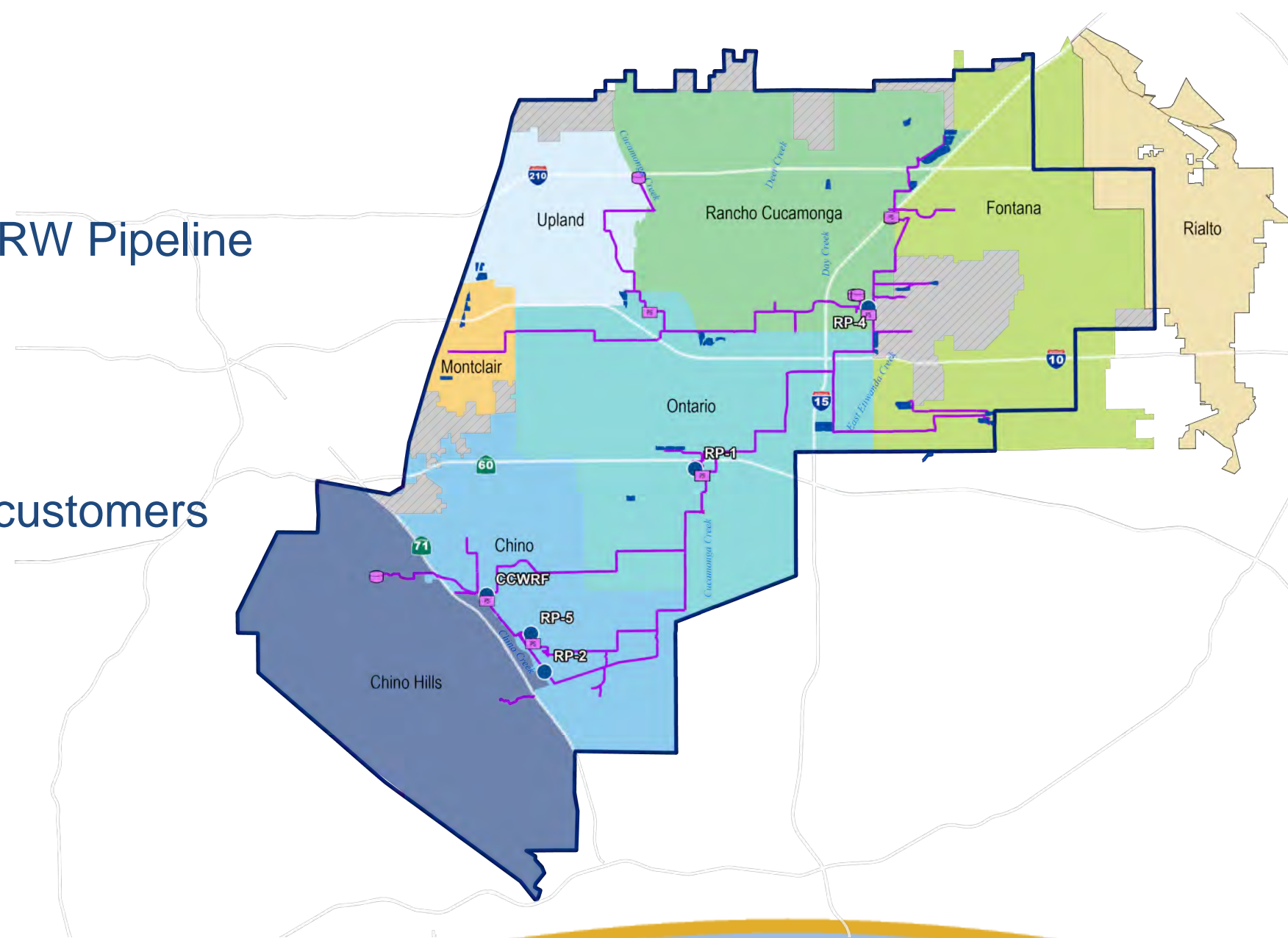




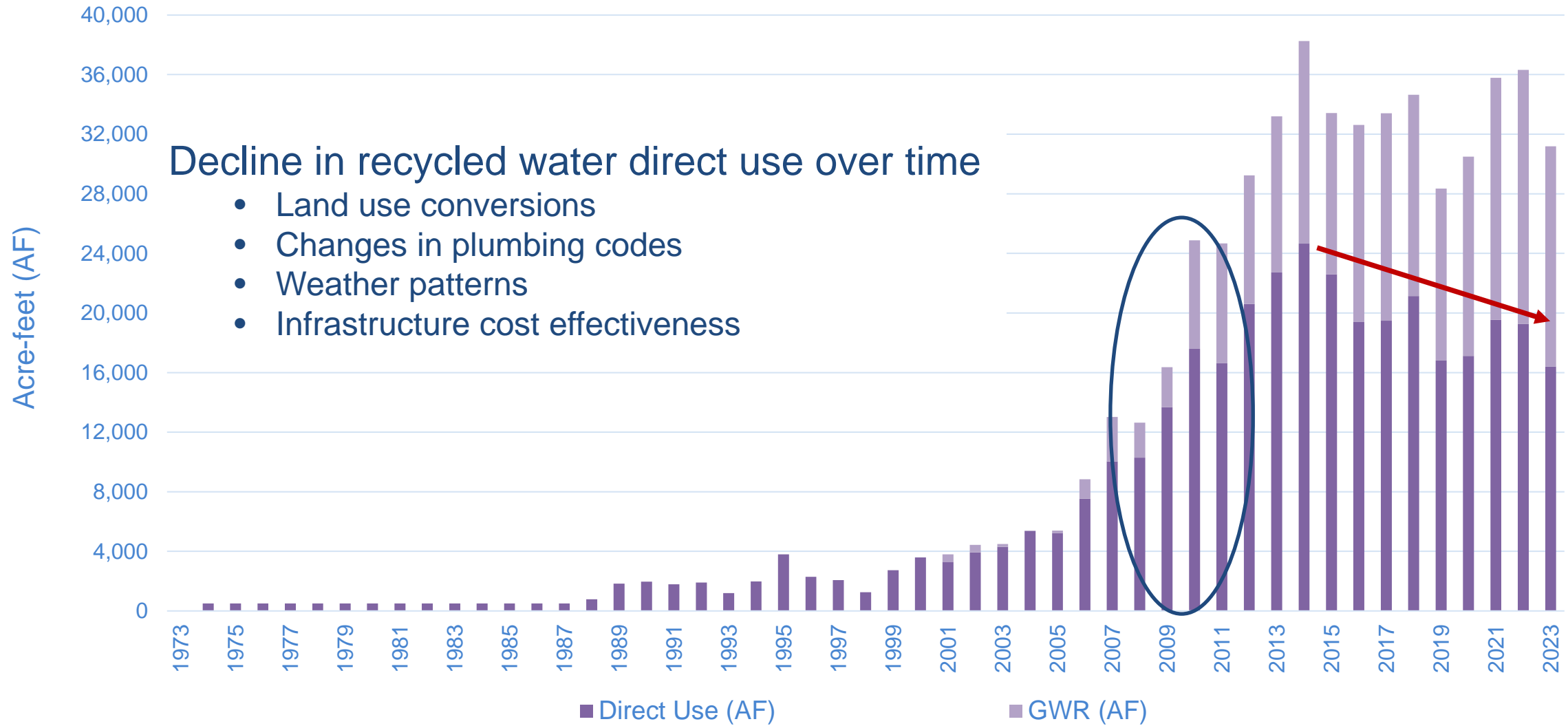
IEUA Updates



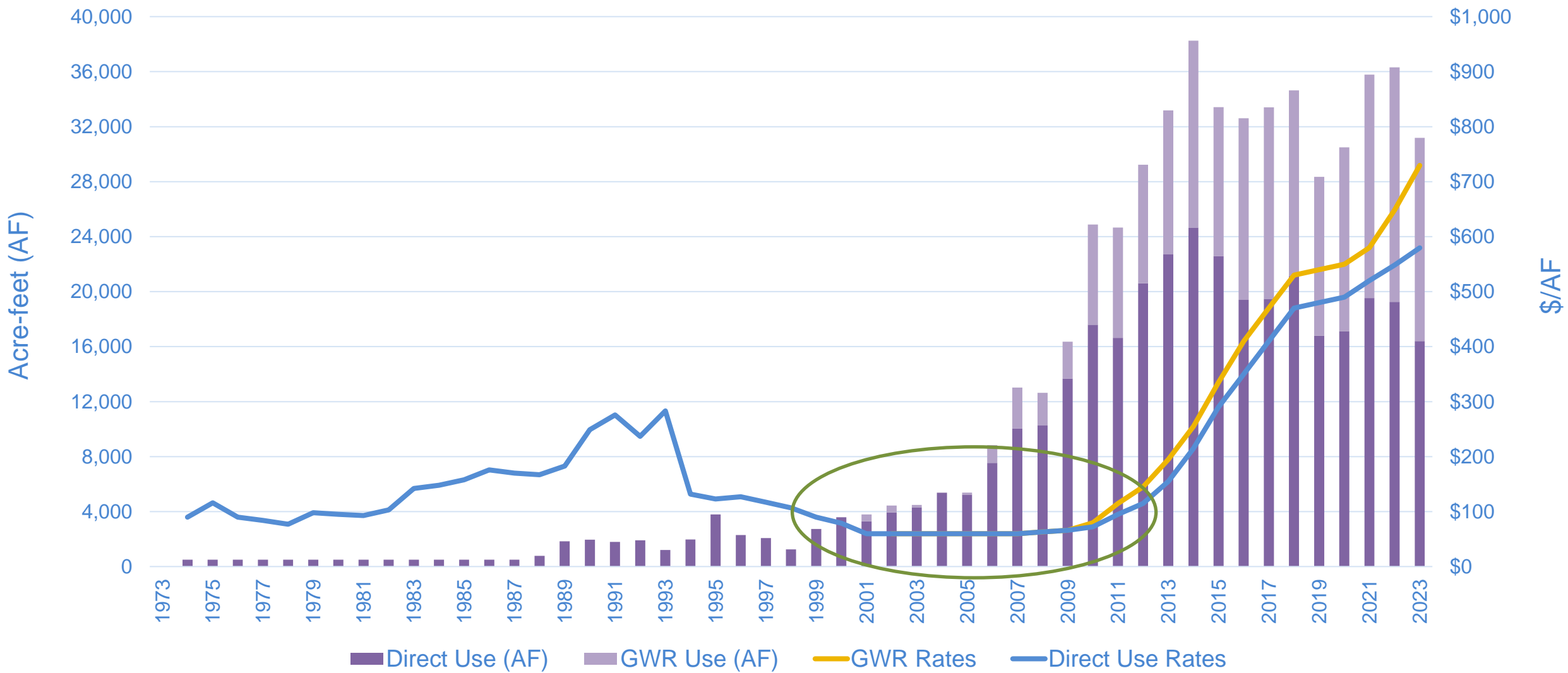
- 90+ Miles of Regional RW Pipeline
- 6 Pressure Zones
- 9 Pumping Stations
- 4 Storage Tanks
- Over 1,200 direct use customers
- 19 Recharge Sites



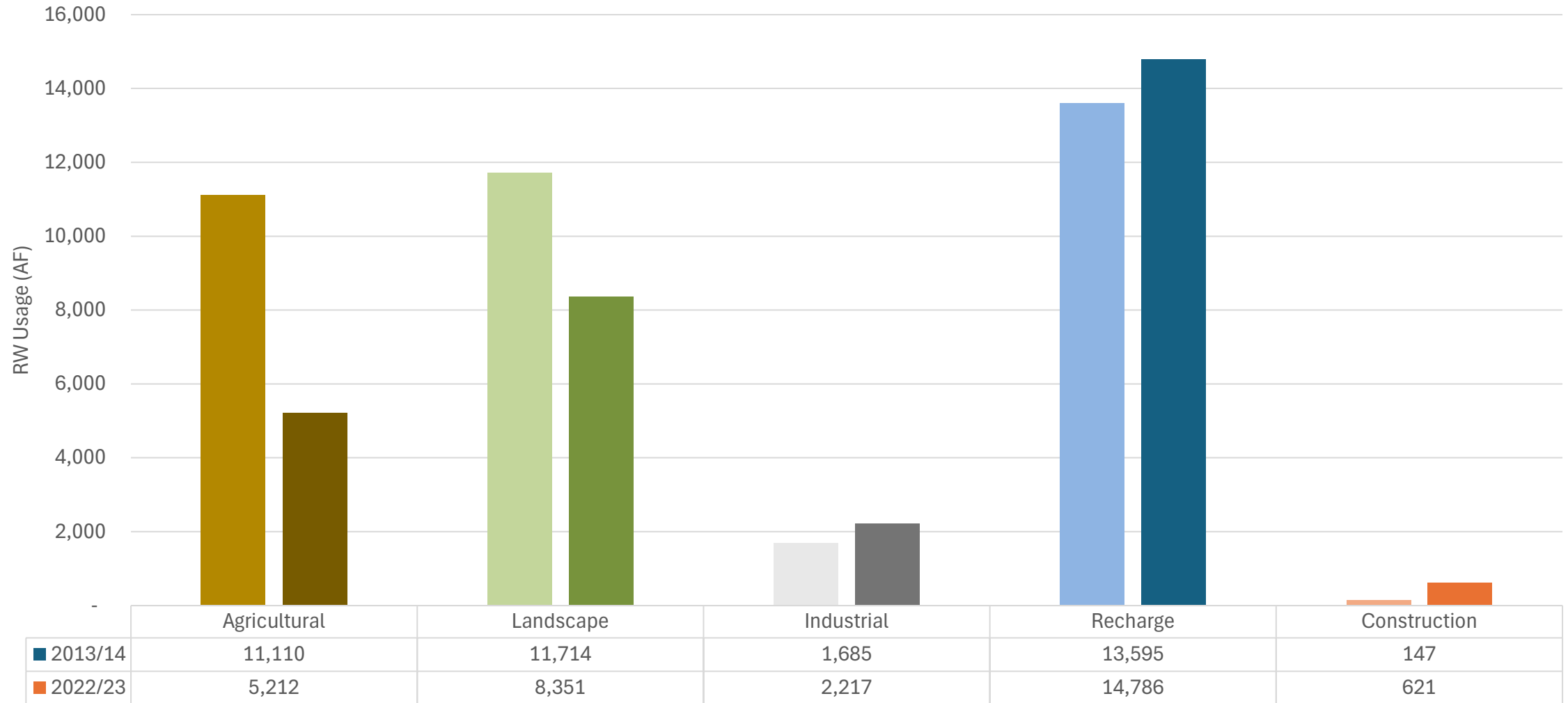
RW Demands Over Time



RW Demands Over Time

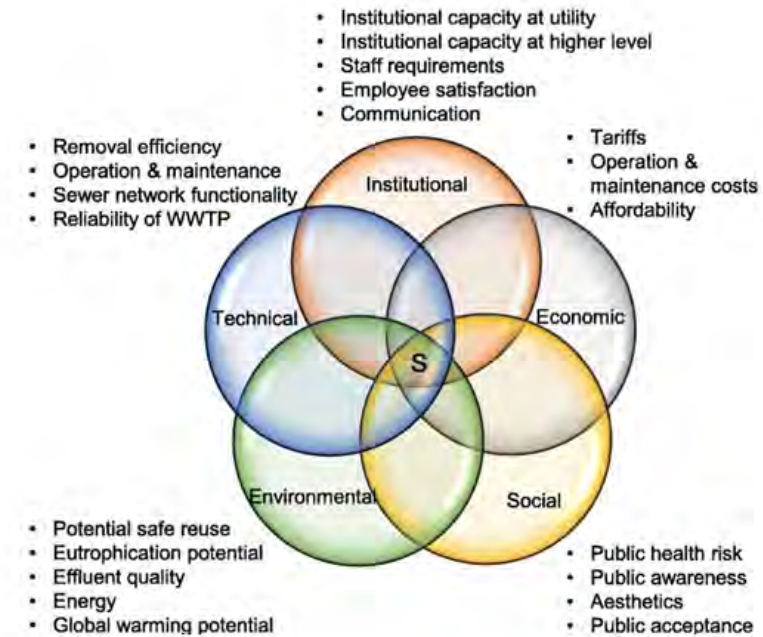


RW 10-Year Demand Comparison

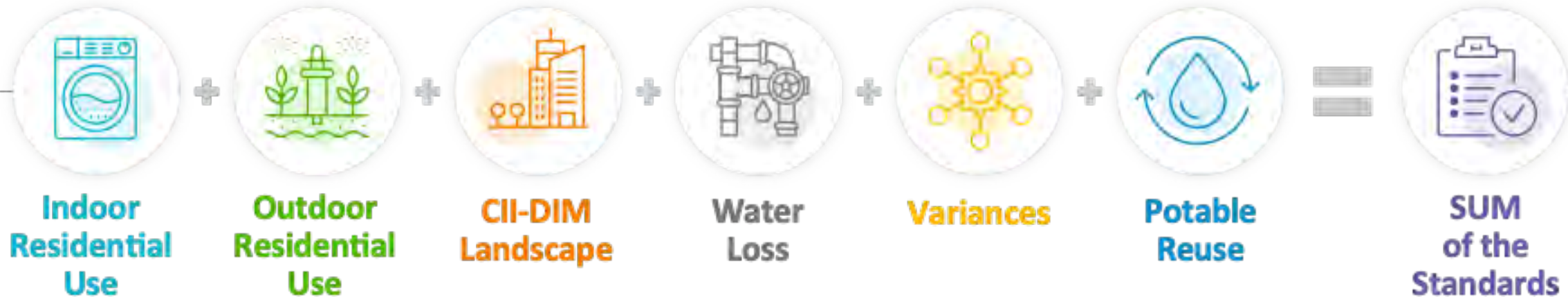


Regulatory Uncertainty, Evolving Technology, and Varying Costs Make Planning for the Future Challenging

- Regulatory uncertainty
 - National Primary Drinking Water Regulation (NPDWR) for six PFAS
 - CECs, Pharmaceuticals and Personal Care Products (PPCPs), Microplastics
- Evolving treatment approaches, implementation costs and feasibility
 - Granulated Activated Carbon (GAC)
 - Ion Exchange (IX)
 - Microfiltration (MF), Reverse Osmosis (RO), Advanced Oxidation Process (AOP)



Agencies Need to Meet their Water Use Objective

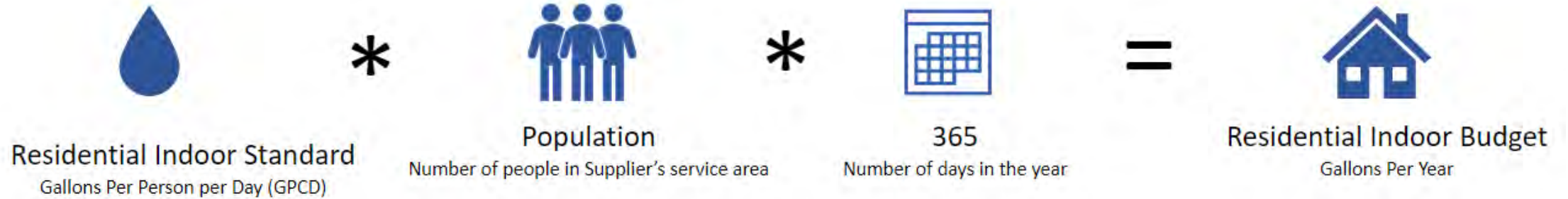


Agriculture and indoor CII not part of objective

Indoor CII covered by Performance Measures

Suppliers must separately meet water loss per SB555

Calculating Budget for Residential Indoor Use



	Residential Indoor Standard (GPCD)
Through December 31, 2024	55
From January 1, 2025, through December 31, 2029	47
January 1, 2030, onwards	42

Proposed Residential Outdoor Use Standards

Outdoor water use standards continues to be debated as part of Rulemaking process



	Landscape Efficiency Factor
Through September 30, 2030	
Residential outdoor	80%
CII DIM landscapes	80%
From October 1, 2030, to September 30, 2035	
Residential outdoor	63%
CII DIM landscapes	63%
October 1, 2035, onwards	
Residential outdoor	55%
CII DIM landscapes	45%

Regulation Update – Additional Time

March Update

- Extended timeline – initial compliance shifted from 2025 to 2027
- Additional five years to comply with the Outdoor Landscape Efficiency Factor
 - LEF of 0.63 starts in 2035 vs 2030
 - Residential LEF reduces to 0.55 in 2040 instead of 2035
 - Commercial LEF reduces to 0.45 in 2040 instead of 2035

Landscape Efficiency Factor		DWR's 2022 Recs	August 2023 Draft	March 2024 Draft
Residential	CII w/ DIMs			
0.80	0.80	Until 2030	Until 2030	Until 2035
0.63	0.63	Starting in 2030	Starting in 2030	Starting in 2035
0.55	0.45	N/A	Starting in 2035	Starting in 2040

UPCOMING DATES



June 4, 2024 – Comments due to the State Board (Updated Proposed Text_v3 5/20/2024)

Summer 2024 – Proposed regulation to be considered for adoption by the State Water Board

January 2025 – If adopted, regulation goes into effect



Chino Basin Program Update



CBP Update Overview





Background | Vision

- Maximize local water resources, such as recycled water
- Make use of storage opportunities so supplies are available during shortages
- Increase local infrastructure flexibility



California Water Commission WSIP Funding Public Benefits

- \$215 M conditional funding award
 - \$ 10.8 M Early Funding for project development (Preliminary Design and Feasibility Studies, environmental documents)
 - \$204.2 M Capital Construction Cost after Final Award Hearing (FY 2025-26)
- Conditional Award was based on the following Benefits:
 1. Coordinated pulse-flow releases between MWD, DWR, and CDFW to support salmon in Bay-Delta ecosystem
 2. Local production capability increase of 40,000 AF
 3. Reduction of 500 mg/L salts from treated wastewater and storage of 15,000 AF purified water in the Chino Basin aquifer
 4. 50,000 AF emergency water supply available for local use



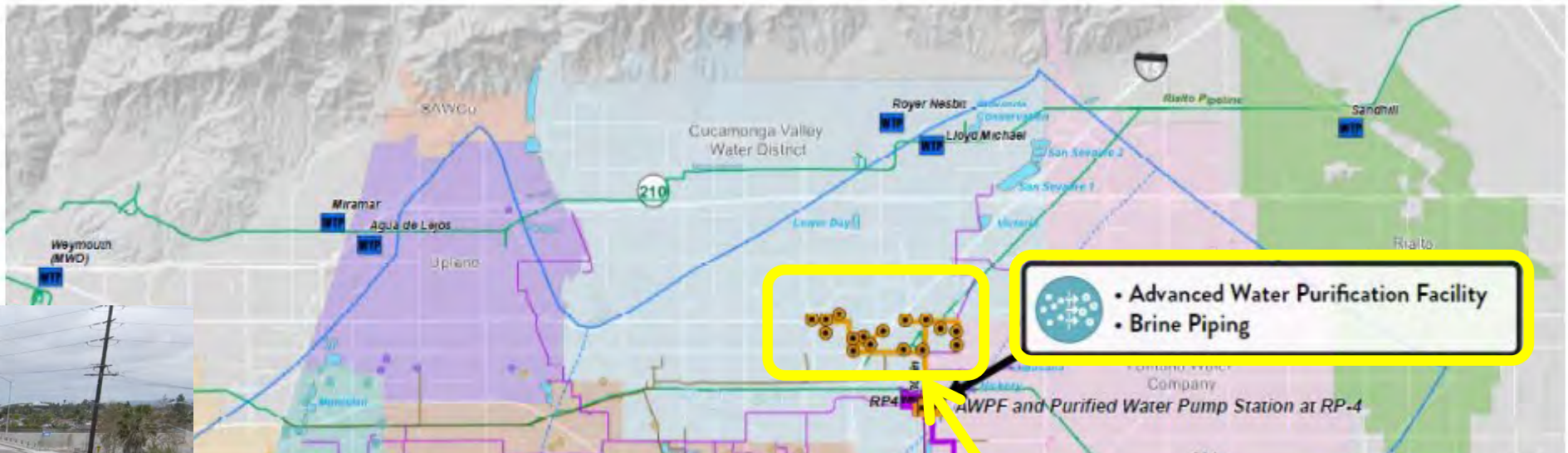
Local Infrastructure Components

- Advanced Water Purification Facility (15,000 AF/Y)
- Supplemental Recycled Water Supplies to augment IEUA's recycled water:
 - City of Rialto
 - JCSD/WRCRWA
- Purified Water Conveyance Pipelines
- Aquifer Replenishing Wells

“TAKE” Facilities

- Extraction Facilities (production wells and conveyance)
- MWD Interconnection

PUT- Infrastructure



Jurisdictions

Rancho Cucamonga	Fontana
Rialto	Ontario

Wastewater Treatment Plants

IEUA RP-4
Rialto WWTP

Where do we come from?

--

Digitized Utility Legend

	Comm (orange)
	Sewer and Storm (green)
	Water (blue)
	Recycled Water (purple)
	Electric (red)
	Gas (yellow)



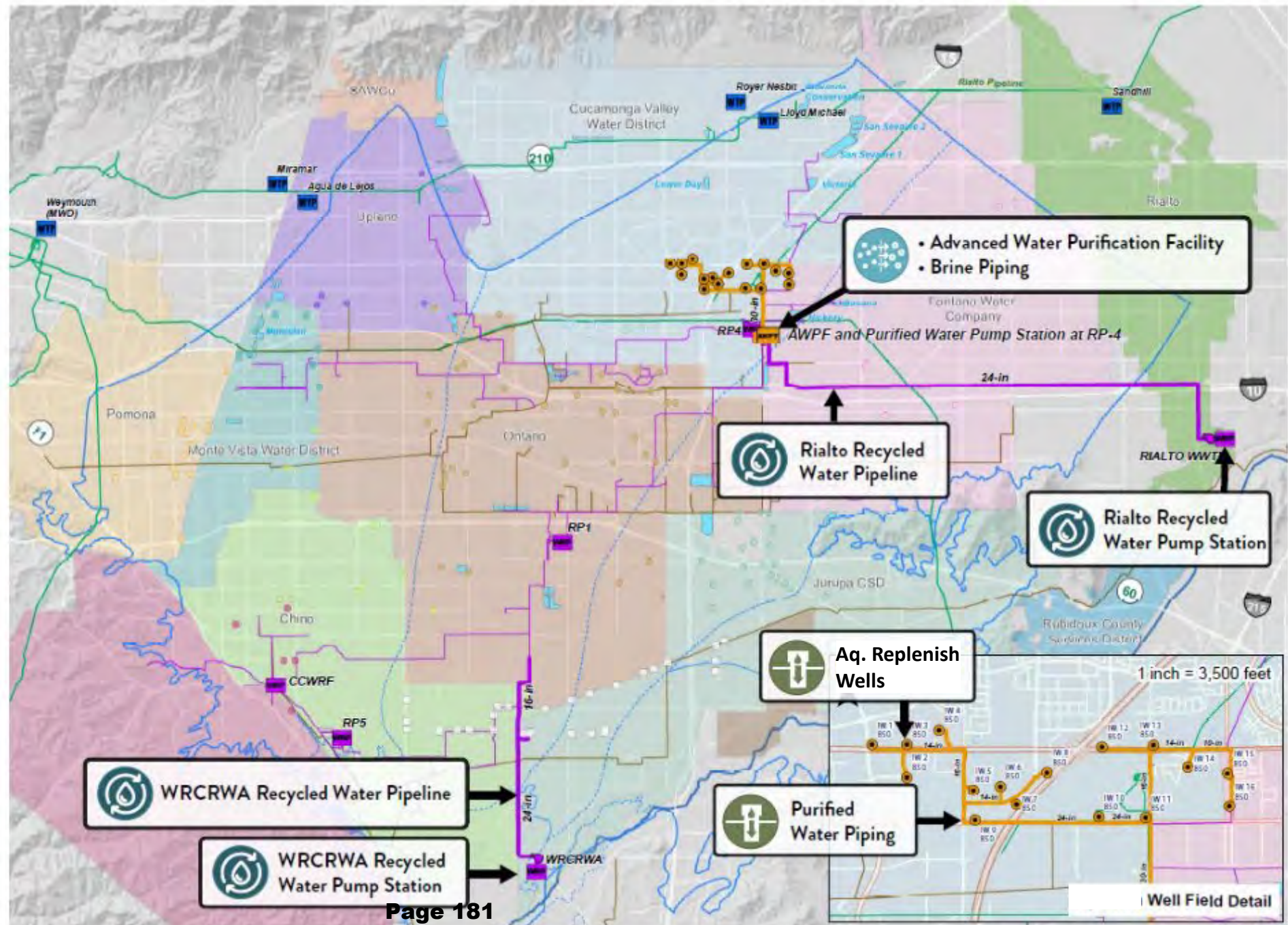
Prepared by:

 Author: AMB
 Date: 4/12/2023
 File Name: CDP_RialtoWTP_All Alignments

Scale: 1:48,000
 1" = 1,000' 0.000 1:500'
 0 0.15 0.3 0.45 0.6
 Feet

References/Notes:
 1. Coordinate System: NAD 83 Web Mercator Auxiliary Sphere
 Projection: Mercator Auxiliary Sphere
 Datum: WGS 1984
 Units: Meter

PUT- Infrastructure





Completed Technical Documents

- IEUA Systemwide Constituents of Emerging Concern Compliance Strategy Technical Memorandum
- Permitting Plan and Regulatory Strategy Technical Memorandum

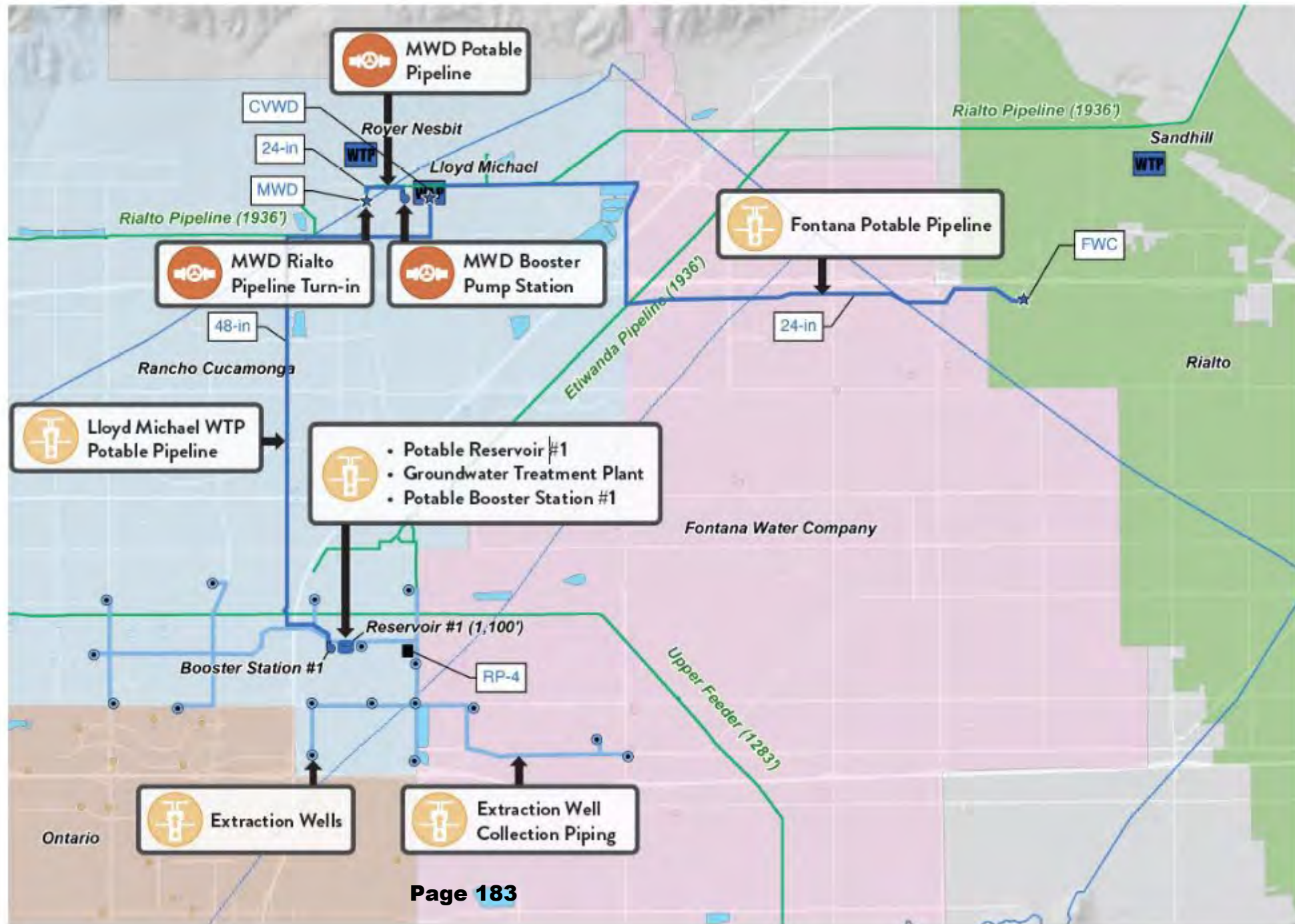
TAKE-Infrastructure



Extraction & Regional Distribution



MWD Connection





Agreements

Local Agreements	Schedule
Rialto Recycled Water Purchase Agreement (IEUA, City of Rialto)	April 2024
CBP Performing Agency Term Sheet (CVWD, FWC, IEUA)	Feb/March 2024
CBP Exchange Agreement (IEUA, MWD)	June/July 2024
WRCRWA Recycled Water Purchase Term Sheet (IEUA, WRCRWA)	2024/2025

State Agreements	Schedule
Public Benefit Agreements: <ul style="list-style-type: none">1. Environmental (IEUA, CDFW)2. Water Quality (IEUA, SWRCB)3. Emergency Response (IEUA, DWR)	Final Terms Drafted Summer 2024
Pulse Flow Agreement (DWR, CDFW)	Dec 2024
Water Exchange Agreements (MWD, DWR)	2024
CWC Final Funding Award (IEUA, CWC)	2025?



CBP 2024 Milestones/Next Steps



January-May:

- ✓ IEUA Contract award for Aquifer Replenishing Wells Exploratory Boreholes
- ✓ IEUA Contract amendment for “TAKE” facilities preliminary design
- ✓ CVWD | FWC | IEUA Execution of CBP Performing Agency Term Sheet
- ✓ Begin drilling for exploratory borings and monitoring wells
- ✓ IEUA | Rialto Execution of City of Rialto RW Purchase Agreement

June - December 2024:

- IEUA | MWD Request Execution of CBP Exchange Agreement (IEUA, MWD)
- Initiate Change of Use Permit for IEUA Recycled Water Discharges
 - Coordinate with City of Rialto on their permit application
 - Ensure consistency with Upper Santa Ana River Habitat Conservation Plan
- Complete Draft Terms for Public Benefit Contract Agreements (IEUA, CDFW, DWR, SWRCB, MWD)
- Progressive design-build services RFPs for AWPf and Rialto RW pipeline
- Design services RFP for aquifer replenishing wells
- Conduct “TAKE” Preliminary Design work