

Board of Directors Bruce E. Dandy, President Sheldon G. Berger, Vice President Lynn E. Maulhardt, Secretary/Treasurer Mohammed A. Hasan Catherine P. Keeling Gordon Kimball Daniel C. Naumann

General Manager Mauricio E. Guardado, Jr.

Legal Counsel David D. Boyer

<u>MINUTES</u> WATER RESOURCES COMMITTEE Tuesday, October 3, 2023, at 9:00 a.m. UNITED WATER CONSERVATION DISTRICT Boardroom, 1701 N. Lombard Street, Oxnard CA 93030

Committee Members Present:

Gordon Kimball, director Mohammed A. Hasan, director Bruce E. Dandy, director (substitute for Chair Daniel Naumann)

Committee Members Absent:

Daniel C. Naumann, chair

Staff Present:

Mauricio Guardado, general manager Anthony Emmert, assistant general manager Dr. Maryam Bral, chief engineer Dr. Jason Sun, supervisory water resources engineer Dr. Bram Sercu, senior hydrologist Dr. Zachary Hanson, water resources engineer Christopher Coppinger, senior hydrogeologist Patrick O'Connell, senior hydrogeologist Murray McEachron, hydrologist supervisor Kathleen Kuepper, hydrogeologist Luke Bryden, associate hydrologist Josh Perez, chief human resources officer Zachary Plummer, technology systems manager Ed Reese, technology systems specialist Vanessa Vasquez, clerk of the committee Brian Zahn, chief financial officer

Public Present:

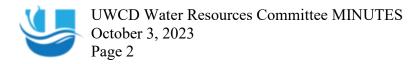
Alden Broome- Guadalasca Mutual Water Company Martin Gramckow-Southland Sod Farms Burt Handy Abraham Maldonado-City of Oxnard Monica Noeng-Ventura Water

Call to Order – Open Session

Director Hasan called the committee meeting to order at 9:00 a.m. The clerk of the committee called roll. Two committee members were present (Kimball and Hasan), Chair Naumann was absent.

1. Public Comment

Directors asked if there were any public comments. There were none offered.



2. Approval of Minutes

Motion to approve the Minutes from July 5, 2023, Water Resources Committee meeting. Director Hasan; second, Director Kimball. Voice vote: two ayes (Hasan, Kimball); none opposed; one absent (Naumann). Motion carries 2/0/1.

Director Dandy joined the meeting at 9:05 a.m. to substitute for Chair Naumann.

3. Update on Reservoir Releases and Diversions (Dr. Bram Sercu)

United Water Conservation District's senior hydrologist Dr. Bram Sercu presented an update on reservoir releases and diversions covering 2023 diversions, operations, Saticoy recharge basin rotations, Saticoy groundwater elevation, El Rio groundwater elevation, El Rio surface clogging, Santa Felicia dam releases, and diversion forecast for 2023 (presentation attached).

Director Kimball expressed his gratitude for the presentation and stated that it was impressive.

No additional questions or comments offered.

4. Update on Groundwater Conditions (Kathleen Kuepper)

Hydrogeologist Kathleen Kuepper presented an update on groundwater conditions covering the 2023 wet winter in California, historical local precipitation, monthly local precipitation, Santa Clara River flow and diversions, groundwater levels in the Piru basin, Fillmore basin, Santa Paula basin, Mound basin, Oxnard Forebay, in the Oxnard and PV (various) basins and along the Oxnard coast, and groundwater quality, including nitrates (presentation attached).

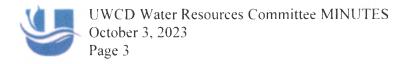
Director Hasan asked if there are additional wells being monitored by United than the key wells in the report referencing Piru/Fillmore basins in the presentation (slides seven and eight) and asked about the relevance of key wells. Ms. Kuepper responded that there are more than two wells being measured, however the monthly report only shows data for key wells to give a snapshot of conditions. Director Hasan asked about the connectivity of Mound Basin with adjacent basins. Ms. Kuepper responded that there is connectivity between basins. Director Hasan offered a thank you to her response.

No additional questions or comments offered.

5. Summary of the Updated Recycled Water Pumping Allocation (RWPA) Impact Analysis Conducted by United Staff in Response to a Request from the City of Oxnard (Dr. Jason Sun) Dr. Jason Sun presented a summary of the updated recycled water pumping allocation (RWPA) impact analysis that covered a background on the City of Oxnard's Recovery Enhancement and Treatment Program, Resolution 2013-02, Forebay available storage, new FCGMA resolution preparation, UWCD groundwater models, model scenarios, RWPA extraction at 3,000 acre-ft/yr. and 6000 acre-ft/yr. in dry years. The presentation also included coastal groundwater flow, reduction in groundwater level in the Forebay and concluded with key findings from his analysis (presentation attached).

At the conclusion of Dr. Sun's presentation, Director Hasan asked the public for any questions.

A member of the public, Martin Gramckow, posed a three-part question. Firstly, if there was a limit on pumping allocation, would it be possible to go up to 1,000 AF further away from the coast, would



it be better to re-write the resolution, take water from the Forebay; OR if the city could pump one or part of the allocation, would there be restrictions on how much could be pumped before running into issues; and would the water double? In response, Dr. Sun explained that if the RWPA program were to double its delivery, the anticipated impact and benefits could double with doubled extraction, but he cautioned against pushing too far. He highlighted that despite the technical analysis, it ultimately falls on regulators to formulate and approve a new resolution. Dr. Sun emphasized the District's commitment to support collaborative efforts for groundwater conservation.

Director Hasan asked about TDS (total dissolved solids) and explained that even small amounts of TDS can be harmful and asked how the 1:2 ratio for each line was determined. Dr. Sun clarified that the updated RWPA Impact Analysis does not simulate water quality. Considerations for water quality in the Forebay during dry years were part of the original resolution. Intrusion may become a potential issue when the Forebay available storage is over 80,000 AF and could be a cause for concern. Director Hasan re-directed the conversation to discuss who determines facility ownership to which Dr. Sun replied that he volunteered the Oxnard-Hueneme wells to do the analysis.

No additional questions or comments offered.

6. Water Resources Department and GSA Activities Update (Dr. Sun)

Dr. Sun provided verbal updates for the Water Resources Departments without a slide deck. He highlighted that the FCGMA will hold a special board meeting to explore the potential of establishing its independent staff. Additionally, he mentioned the impending departure of one senior FCGMA staff member, and the District is actively monitoring staff changes. The District is working closely with FCGMA to update the GSP (Groundwater Sustainability Plan) with the FCGMA preparing to send a consulting agreement to the District.

Director Kimball offered a thank you to Dr. Sun for providing such an analysis. referencing his RWPA Impact Analysis. He is hopeful that the results will be effective for the city and beneficial to the basins. Member of the public Alden Broome echoed director Kimball's sentiment on the analysis done by Dr. Sun. He expressed his appreciation for the collaborative efforts and the technical study.

Dr. Bral asked if there was any further feedback for staff regarding their presentations. Director Dandy suggested staff provide a quick summary to the Board, highlight positive benefits, and emphasized that the Board be made aware of Dr. Sun's analysis.

FUTURE AGENDA ITEMS

No future agenda items. No questions or comments offered.

ADJOURNMENT 10:10 a.m.

Director Hasan adjourned the meeting at 10:10 a.m.

I certify that the above is a true and correct copy of the Minutes of the Water Resources Committee Meeting of October 3, 2023.

ATTEST:

Daniel Naumann, Chair



ATTENDANCE LIST

Board of Directors Bruce E. Dandy, President Sheldon G. Berger, Vice President Lynn E. Maulhardt, Secretary/Treasurer Mohammed A. Hasan Catherine P. Keeling Gordon Kimball Daniel C. Naumann

General Manager Mauricio E. Guardado, Jr.

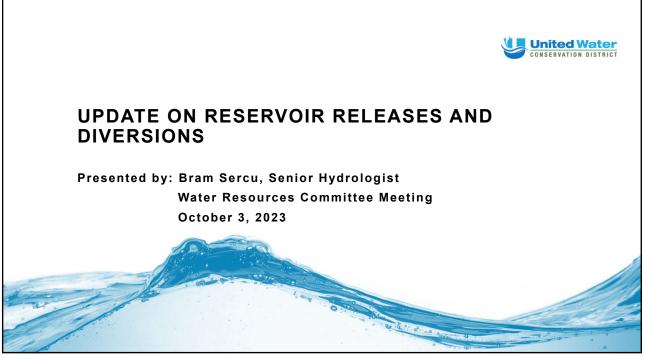
Legal Counsel David D. Boyer

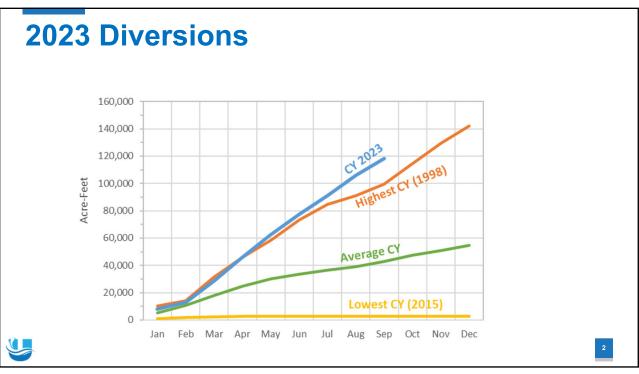
MEETING DATE: Tuesday, October 3, 2023 at 9:00 am

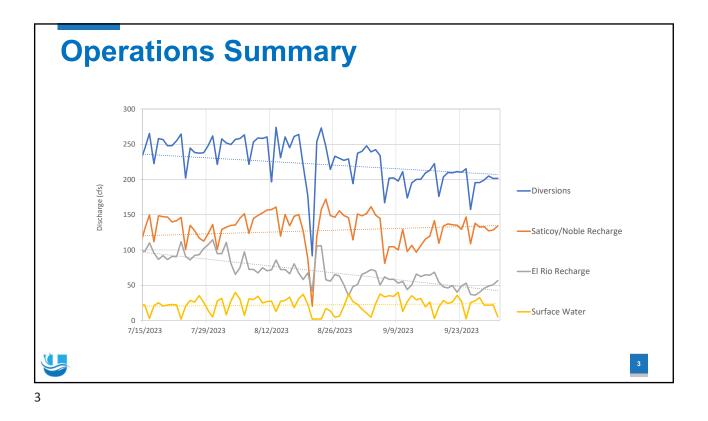
MEETING: UWCD Water Resources Committee Meeting

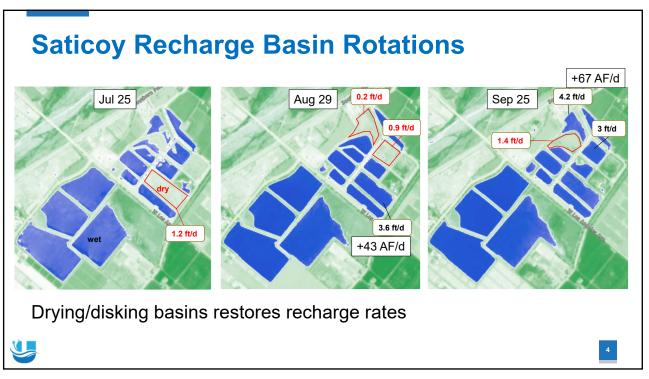
The signing or registering of your name on this sign-up form is not required but is voluntary. All persons may attend the meetings of the Board of Directors of United Water Conservation District without signing or registering their names on this form.

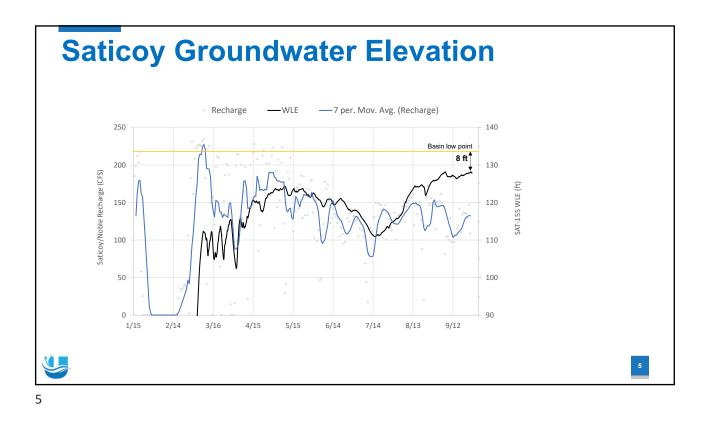
Name (Please Print)	Representing
MARTIN GRAMCKOW	Southland Sod Parms
Alden Browne	Guadalesce Mutual Water Co.
BUET HANAN	
Monica Woens	Venture hat?
Aprilia Maldenado	City of atnard

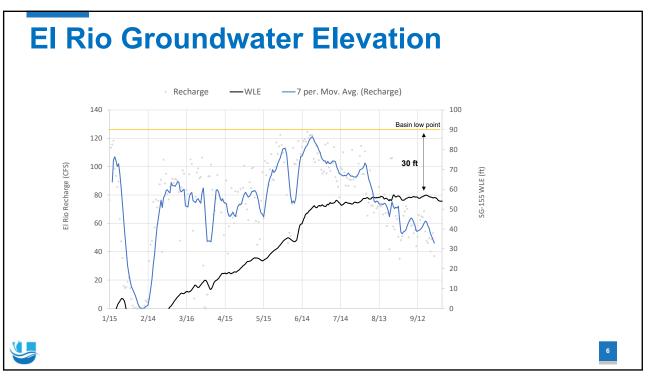




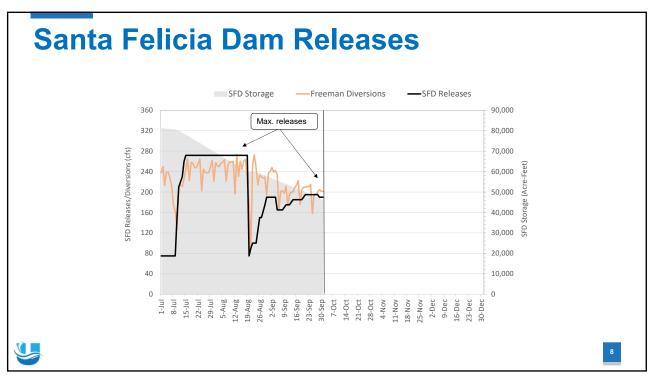


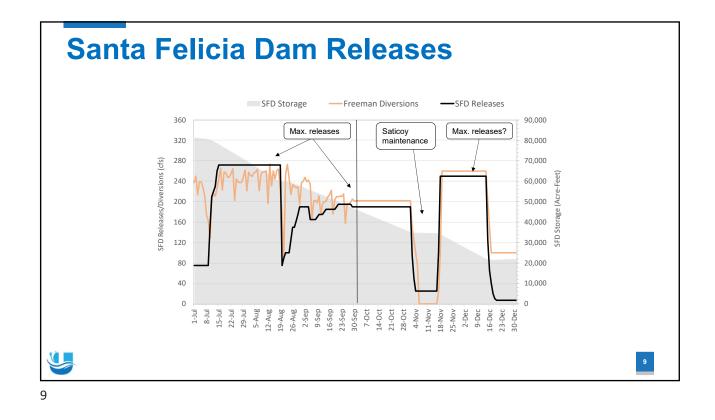


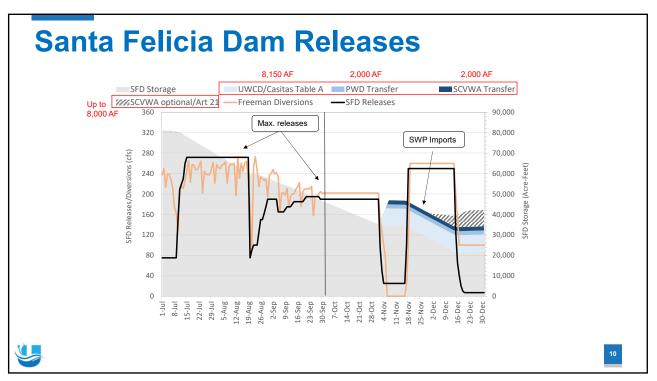


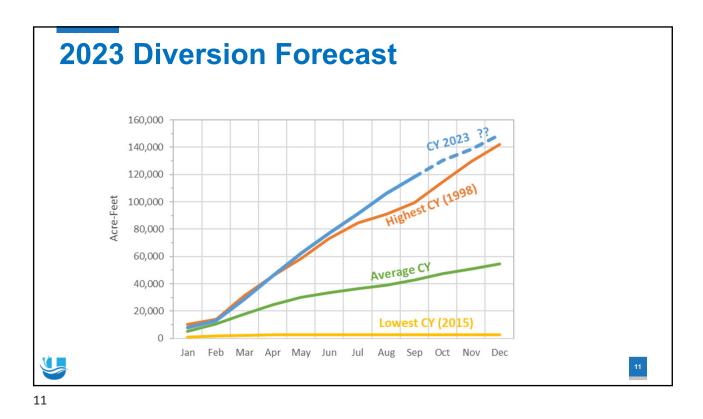


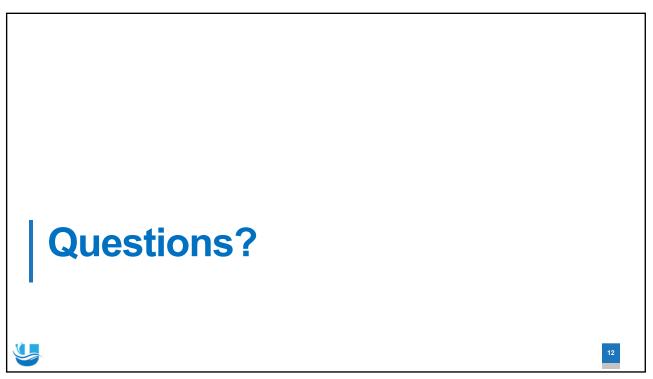


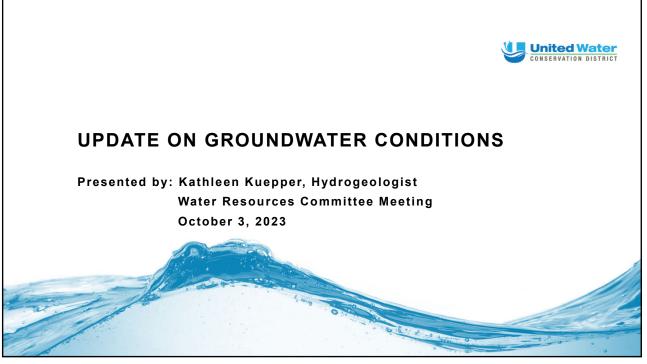


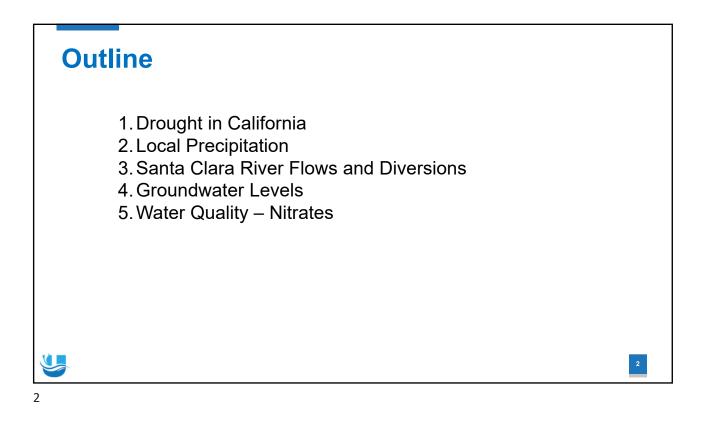


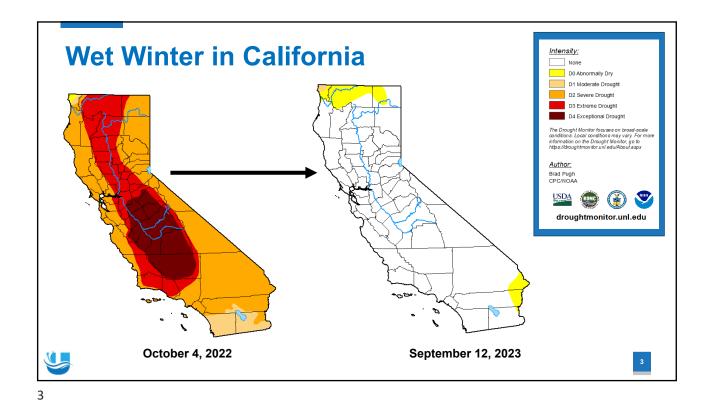


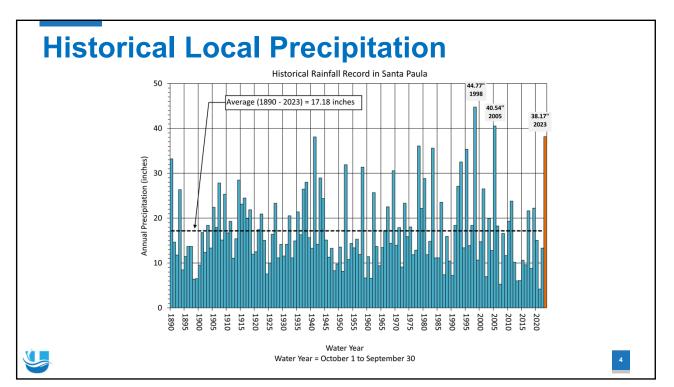


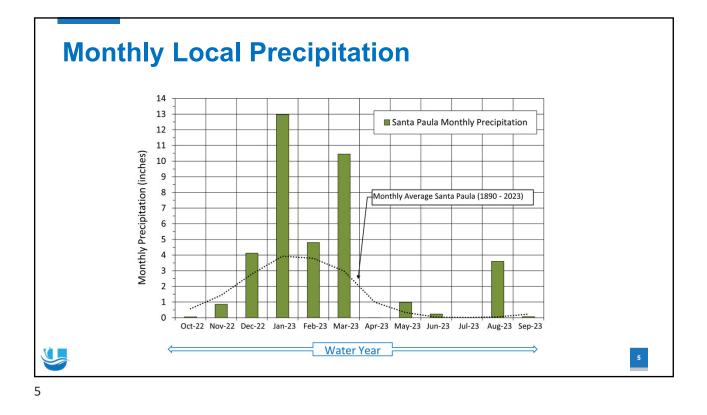


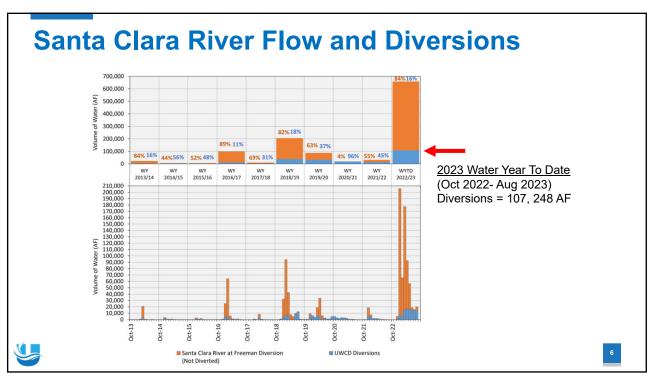




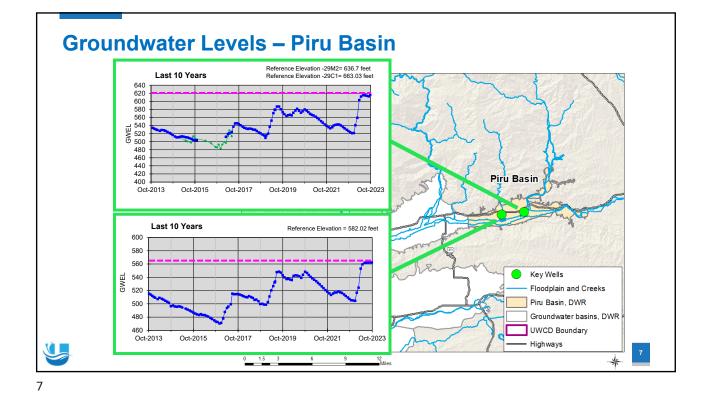




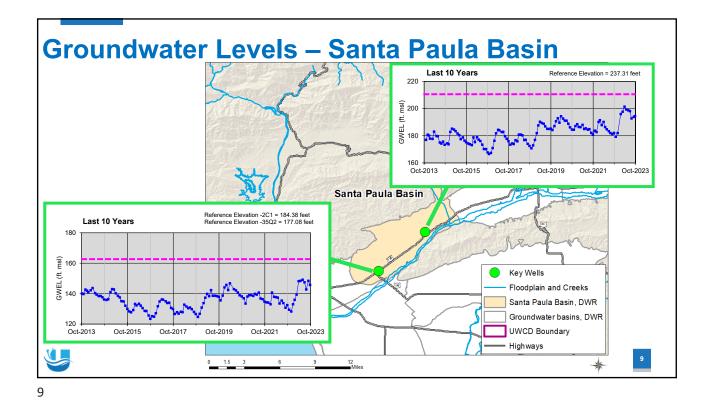


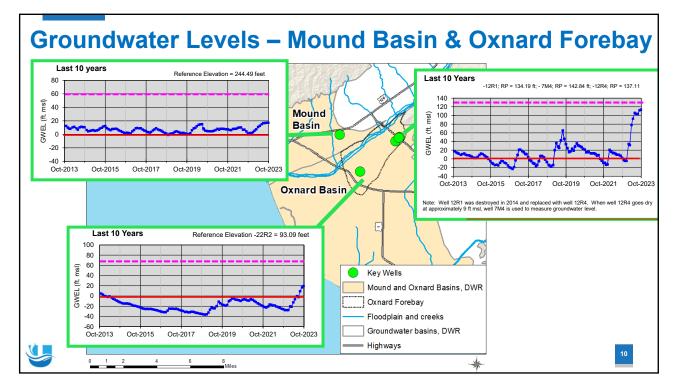


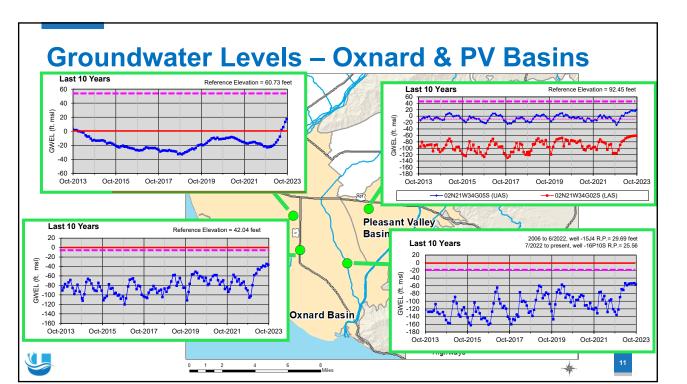


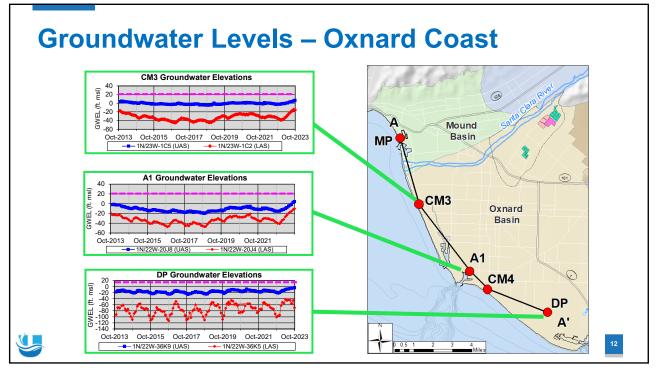


Groundwater Levels – Fillmore Basin 2015 to 2019, well 23N1, R.P. = 559.00 feet Last 10 Years 2019 to present, well 24C2, R.P. = 497.02 feet 440 420 E 400 GWEL (ft. 380 360 Fillmore Basin 340 Oct-2013 Oct-2015 Oct-2017 Oct-2019 Oct-2021 Oct-2023 Last 10 Years Reference Elevation = 376 61 feet 380 360 GWEL (ft.msl) Key Wells 340 Floodplain and Creeks 320 Fillmore Basin, DWR Groundwater basins, DWR 300 UWCD Boundary Oct-2013 Oct-2015 . Oct-2021 . Oct-2023 Oct-2017 Oct-2019 = Highways 1.5 3 12 Mil 0____ *

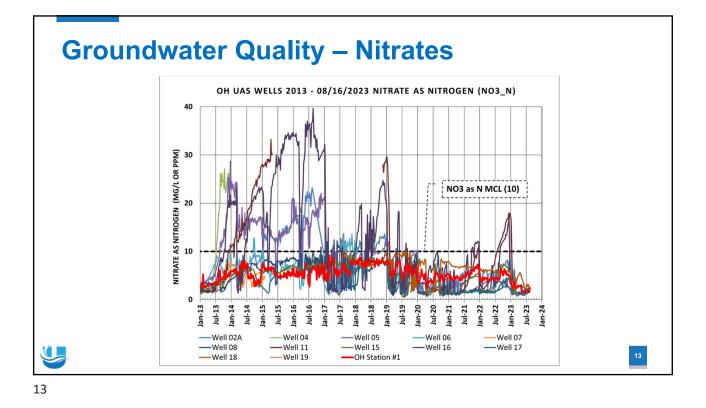


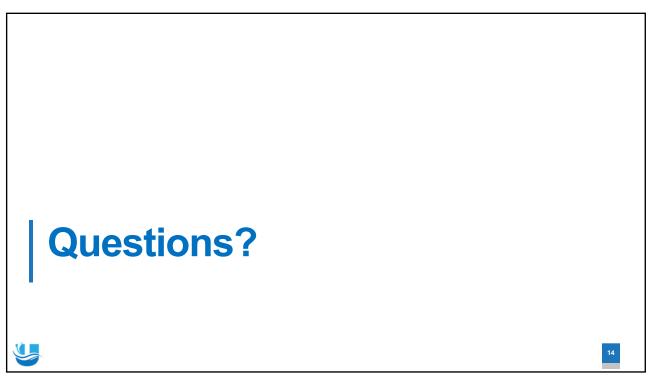


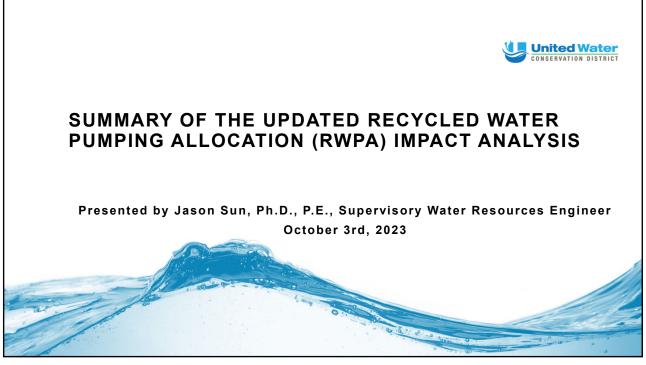




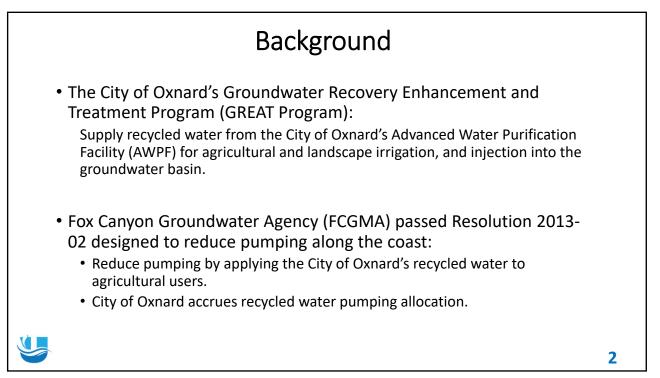
2023-10-03

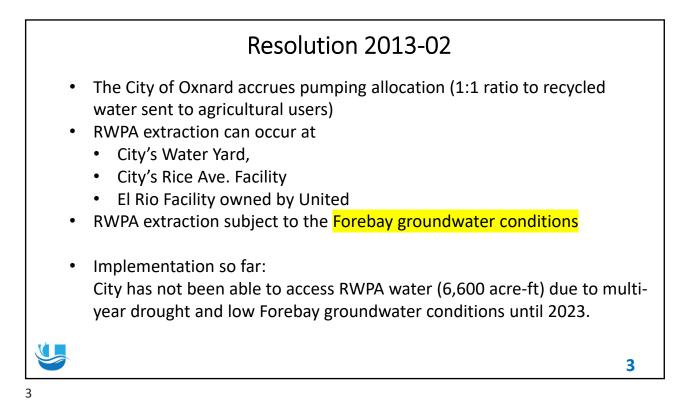


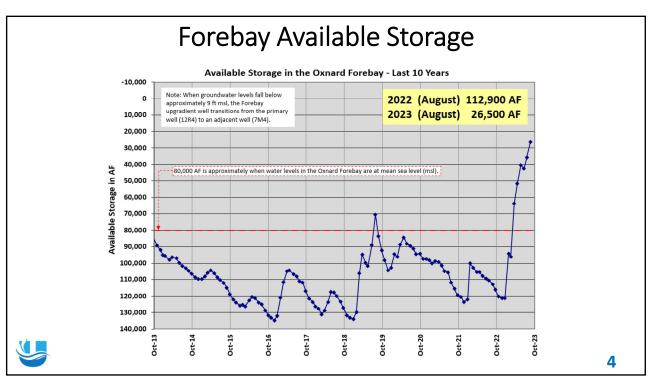


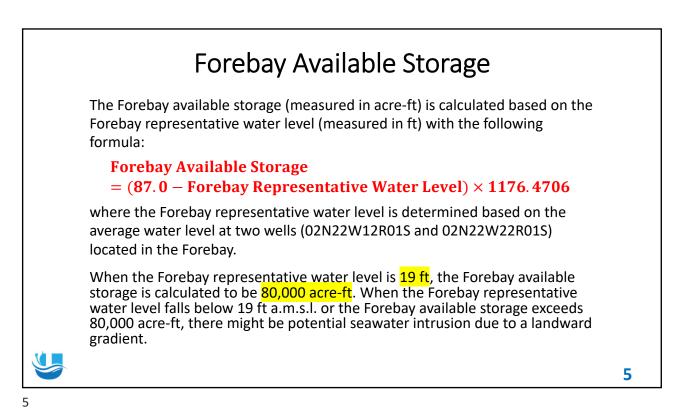






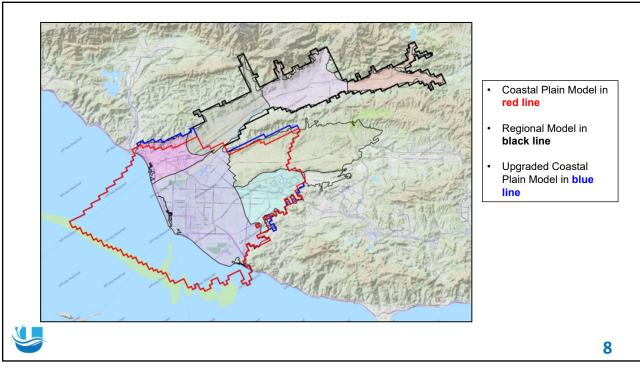


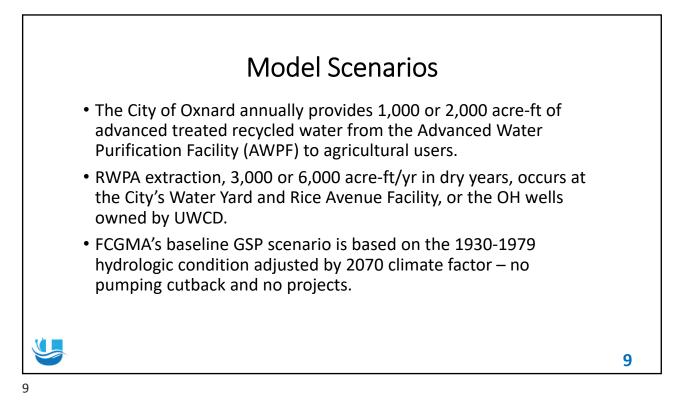


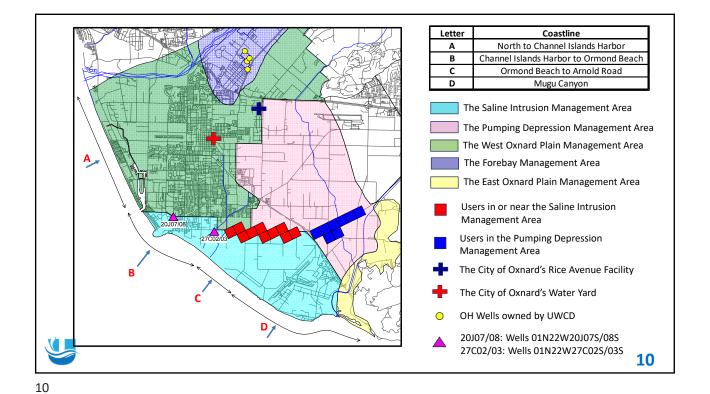


New Resolution in Preparation The City of Oxnard seeks to extract in dry years RWPA extraction can occur at City's Water Yard, City's Rice Ave. Facility OH wells owned by United United updated the RWPA impact analysis Dr. Steve Bachman prepared the impact analysis in 2013 to support Resolution 2013-02 and linked the extraction condition to the Forebay available storage. This time United employs a numerical groundwater model. 6

		dwater Mo	
Coastal Plain Model	Regional Model	Coastal Plain Model Upgrade	Unstructured Grid Model
Flow (MODFLOW-NWT)	Flow (MODFLOW-NWT)	Flow (MODFLOW-NWT)	Flow + Transport + Density (MODFLOW-USG-Transport)
GSPs for FCGMA	GSPs for Fillmore, Piru and Mound		Brackish water
Monthly	Daily	Monthly	Monthly
1985-2015	1985-2019	1985-2019	1985-2019
Jun-2018	Aug-2020	Mar-2022	Completed/Ongoing





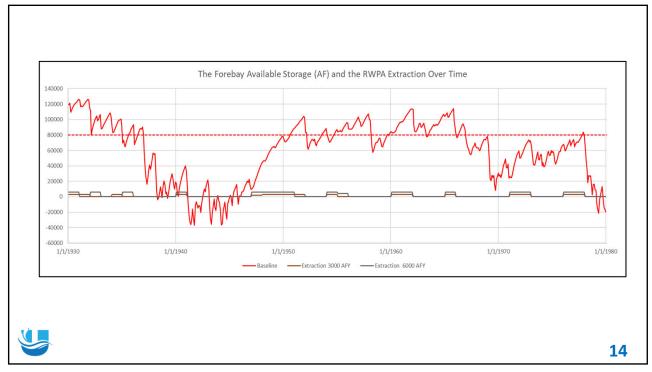


ATTACHMENT TO MEETING MINUTES UWCD Water Resources Committee Presentations

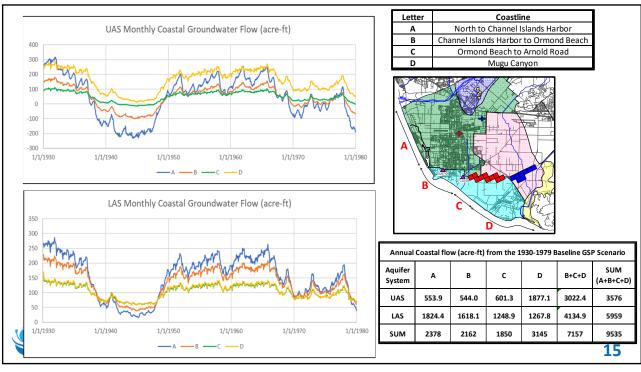
		Maximum Annual	Annaul AWPF	Percentage of AWPF F	Recycled Water Delivery
Scenario	Extraction Well Location	Extraction (acre-ft)	Recycled Water Delivered (acre-ft)	to Saline Intrusion Management Area	to Pumping Depression Management Area
P1	City of Oxnard's Water Yard	3,000	1,000	25%	75%
S1	City of Oxnard's Water Yard	3,000	1,000	75%	25%
P1R	City of Oxnard's Rice Avenue Facility	3,000	1,000	25%	75%
P1RC	City of Oxnard's Water Yard and Rice Avenue Facility	3,000	1,000	25%	75%
P1F	OH Wells in Forebay	3,000	1,000	25%	75%
P2	City of Oxnard's Water Yard	6,000	2,000	25%	75%
52	City of Oxnard's Water Yard	6,000	2,000	75%	25%
P2R	City of Oxnard's Rice Avenue Facility	6,000	2,000	25%	75%
P2RC	City of Oxnard's Water Yard and Rice Avenue Facility	6,000	2,000	25%	75%
P2F	OH Wells in Forebay	6,000	2,000	25%	75%

WY	WYT	SP Precip	Credit	Accrual	Extraction	WY	WYT	SP Precip	Credit	Accrual	Extraction
				6000		1955	Below Normal	13.38	1000	3000	0
1930	Dry	11.59	1000	4000	3000	1956	Below Normal	15.33	1000	4000	0
1931	Dry	14.19	1000	2000	3000	1957	Below Normal	11.91	1000	5000	0
1932	Below Normal	20.54	1000	3000	0	1958	Wet	31.37	1000	6000	0
1933	Below Normal	11.15	1000	4000	0	1959	Above Normal	6.67	1000	7000	0
1934	Dry	14.94	1000	2000	3000	1960	Critical	11.43	1000	5000	3000
1935	Below Normal	21.39	1000	3000	0	1961	Critical	6.62	1000	3000	3000
1936	Below Normal	16.32	1000	4000	0	1962	Above Normal	25.7	1000	4000	0
1937	Wet	26.49	1000	5000	0	1963	Below Normal	13.69	1000	5000	0
1938	Wet	28.02	1000	6000	0	1964	Dry	9.42	1000	6000	0
1939	Wet	15.68	1000	7000	0	1965	Dry	13.46	1000	4000	3000
1940	Dry	13.29	1000	5000	3000	1966	Above Normal	17.24	1000	5000	0
1941	Wet	38.11	1000	6000	0	1967	Wet	22.52	1000	6000	0
1942	Wet	14.19	1000	7000	0	1968	Above Normal	14.42	1000	7000	0
1943	Wet	28.98	1000	8000	0	1969	Wet	30.58	1000	8000	0
1944	Wet	24.37	1000	9000	0	1970	Wet	13.95	1000	9000	0
1945	Above Normal	15.13	1000	10000	0	1971	Below Normal	17.93	1000	7000	3000
1946	Below Normal	11.32	1000	11000	0	1972	Dry	9.11	1000	5000	3000
1947	Below Normal	13.29	1000	10000	2000	1973	Above Normal	23.32	1000	6000	0
1948	Critical	8.27	1000	8000	3000	1974	Wet	15.88	1000	7000	0
1949	Critical	9.79	1000	6000	3000	1975	Above Normal	18.06	1000	8000	0
1950	Critical	13.57	1000	4000	3000	1976	Below Normal	11.87	1000	6000	3000
1951	Critical	8.15	1000	2000	3000	1977	Dry	12.88	1000	4000	3000
1952	Wet	31.91	1000	3000	0	1978	Wet	36.08	1000	5000	0
1953	Above Normal	10.82	1000	4000	0	1979	Wet	22.17	1000	6000	0
1954	Dry	14.37	1000	2000	3000	SUM			50000		50000

WY	WYT	SP Precip	Credit	Accrual	Extraction	WY	WYT	SP Precip	Credit	Accrual	Extraction
				6000		1955	Below Normal	13.38	2000	0	4000
1930	Dry	11.59	2000	2000	6000	1956	Below Normal	15.33	2000	2000	0
1931	Dry	14.19	2000	4000	0	1957	Below Normal	11.91	2000	4000	0
1932	Below Normal	20.54	2000	0	6000	1958	Wet	31.37	2000	6000	0
1933	Below Normal	11.15	2000	2000	0	1959	Above Normal	6.67	2000	8000	0
1934	Dry	14.94	2000	4000	0	1960	Critical	11.43	2000	4000	6000
1935	Below Normal	21.39	2000	0	6000	1961	Critical	6.62	2000	0	6000
1936	Below Normal	16.32	2000	2000	0	1962	Above Normal	25.7	2000	2000	0
1937	Wet	26.49	2000	4000	0	1963	Below Normal	13.69	2000	4000	0
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1940	Dry	13.29	2000	4000	6000	1966	Above Normal	17.24	2000	4000	0
1941	Wet	38.11	2000	6000	0	1967	Wet	22.52	2000	6000	0
1942	Wet	14.19	2000	8000	0	1968	Above Normal	14.42	2000	8000	0
1943	Wet	28.98	2000	10000	0	1969	Wet	30.58	2000	10000	0
1944	Wet	24.37	2000	12000	0	1970	Wet	13.95	2000	12000	0
1945	Above Normal	15.13	2000	14000	0	1971	Below Normal	17.93	2000	8000	6000
1946	Below Normal	11.32	2000	16000	0	1972	Dry	9.11	2000	4000	6000
1947	Below Normal	13.29	2000	12000	6000	1973	Above Normal	23.32	2000	6000	0
1948	Critical	8.27	2000	8000	6000	1974	Wet	15.88	2000	8000	0
1949	Critical	9.79	2000	4000	6000	1975	Above Normal	18.06	2000	10000	0
1950	Critical	13.57	2000	0	6000	1976	Below Normal	11.87	2000	6000	6000
1951	Critical	8.15	2000	2000	0	1977	Dry	12.88	2000	2000	6000
1952	Wet	31.91	2000	4000	0	1978	Wet	36.08	2000	4000	0
1953	Above Normal	10.82	2000	6000	0	1979	Wet	22.17	2000	6000	0
1954	Dry	14.37	2000	2000	6000	SUM			100000		100000



ATTACHMENT TO MEETING MINUTES UWCD Water Resources Committee Presentations



Сс	past	al (Gro	unc	dwa	ter	· Flo	W							
				Annua	Coastal fl	ow (acre-	ft) from the 1	930-1979	Baseline G	SP Scenar	io				
	tion: 3,0 t/yr at tl			Aquifer System	А	В	с	D	B+C+D	SUN (A+B+C		A			
	Water Y			UAS	553.9	544.0	601.3	1877.1	3022.4	3576	6			Andre	
and/or				LAS	1824.4	1618.1	L 1248.9	1267.8	4134.9	5959	9		B		Ant
Avenu	e Facilit	У		SUM	2378	2162	1850	3145	7157	953	5		(
									•					D	and the
			1	P1							P1R		1		
	Aquifer System	Α	В	c	D	B+C+D	SUM (A+B+C+D)	Aquifer System	А	В	с	D	B+C+D	SUM (A+B+C+D)	
	UAS	74.0	29.7	-9.9	-72.4	-52.7	21	UAS	52.9	14.0	-12.4	-70.7	-69.2	-16	
	LAS	11.2	-16.8	-32.0	-41.9	-90.7	-80	LAS	8.1	-17.7	-31.4	-41.1	-90.2	-82	
	SUM	85	13	-42	-114	-143	-58	SUM	61	-4	-44	-112	-159	-98	
				S1							P1RC				
	Aquifer System	Α	В	с	D	B+C+D	SUM (A+B+C+D)	Aquifer System	A	В	с	D	B+C+D	SUM (A+B+C+D)	
	UAS	72.1	25.8	-16.8	-67.8	-58.8	13	UAS	63.4	21.8	-11.2	-71.6	-60.9	3	
	LAS	4.2	-33.3	-54.1	-40.7	-128.0	-124	LAS	9.7	-17.3	-31.7	-41.5	-90.5	-81	
	SUM	76	-8	-71	-108	-187	-111	SUM	73	5	-43	-113	-151	-78	16

Coa	asta	al G	irol	unc	lwa	ter	Flov	N							
			Г	Annual C	oastal flov	w (acre-ft)	from the 19	30-1979 Ba	aseline GS	P Scenario	,				
Extraction acre-ft/yr	,	'		quifer ystem	А	В	с	D	B+C+D	SUM (A+B+C+	D)	A			
City's Wa	ater Yard			UAS	553.9	544.0	601.3	1877.1	3022.4	3576			R	4	
and/or Ri Avenue F				LAS	1824.4	1618.1	1248.9	1267.8	4134.9	5959					C Ant
Avenue F	aciiity			SUM	2378	2162	1850	3145	7157	9535					
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				P2	-						P2R				
	Aquifer System	A	В	P2	D	B+C+D	SUM (A+B+C+D)	Aquifer System	A	В	P2R C	D	B+C+D	SUM (A+B+C+D)	
		A 146.6	B 58.7		D -145.6	B+C+D -107.0			A 104.3	В 27.2		D -142.4	B+C+D -140.4		
	System			с		-	(A+B+C+D)	System			с			(A+B+C+D)	r 2
	System UAS	146.6	58.7	C -20.1	-145.6	-107.0	(A+B+C+D) 40	System UAS	104.3	27.2	C -25.2	-142.4	-140.4	(A+B+C+D) -36	r 2
	System UAS LAS	146.6 21.9	58.7 -33.9	C -20.1 -64.1	-145.6 -84.1	-107.0 -182.2	(A+B+C+D) 40 -160	System UAS LAS	104.3 15.7	27.2 -35.8	C -25.2 -63.0	-142.4 -82.5	-140.4 -181.3	(A+B+C+D) -36 -166	
	System UAS LAS	146.6 21.9	58.7 -33.9	C -20.1 -64.1 -84	-145.6 -84.1	-107.0 -182.2	(A+B+C+D) 40 -160	System UAS LAS	104.3 15.7	27.2 -35.8	C -25.2 -63.0 -88	-142.4 -82.5	-140.4 -181.3	(A+B+C+D) -36 -166	
	System UAS LAS SUM Aquifer	146.6 21.9 168	58.7 -33.9 25	C -20.1 -64.1 -84 S2	-145.6 -84.1 -230	-107.0 -182.2 -289	(A+B+C+D) 40 -160 -121 SUM	System UAS LAS SUM Aquifer	104.3 15.7 120	27.2 -35.8 -9	C -25.2 -63.0 -88 P2RC	-142.4 -82.5 -225	-140.4 -181.3 -322	(A+B+C+D) -36 -166 -202 SUM	
	System UAS LAS SUM Aquifer System	146.6 21.9 168 A	58.7 -33.9 25 B	C -20.1 -64.1 -84 S2 C	-145.6 -84.1 -230 D	-107.0 -182.2 -289 B+C+D	(A+B+C+D) 40 -160 -121 SUM (A+B+C+D)	System UAS LAS SUM Aquifer System	104.3 15.7 120 A	27.2 -35.8 -9 B	C -25.2 -63.0 -88 P2RC C	-142.4 -82.5 -225 D	-140.4 -181.3 -322 B+C+D	(A+B+C+D) -36 -166 -202 SUM (A+B+C+D)	17

		Annu	al Coast	al flow	(acre-ft) fr	om the 1	930-1979 Ba	aseline GS	SP Scena	rio					Tes
Extraction: 3,000 or 6,000		Aquife Systen		4	В	с	D	B+C+D	SUN (A+B+C		A				
acre-ft/yr		UAS	55	3.9	544.0	601.3	1877.1	3022.4	357	6		1 D			H
		LAS	182	4.4	1618.1	1248.9	1267.8	4134.9	595	9		B	-		X
		SUM	23	78	2162	1850	3145	7157	953	5			С 🔨	XC	<u>I</u>
				_											
Extraction at	Aquifer System	A	в	P1F C	D	B+C+D	SUM (A+B+C+D)	Aquifer System	A	в	P2F C	D	B+C+D	SUM (A+B+C+D)	
OH wells in		A 60.1	B 12.5			B+C+D -80.1			A 118.5	В 24.2		D -155.5	B+C+D -162.4		
	System			с	D	-	(A+B+C+D)	System			с		-	(A+B+C+D)	
OH wells in	System UAS	60.1	12.5	C -15.3	D -77.3	-80.1	(A+B+C+D) -20	System UAS	118.5	24.2	C -31.0	-155.5	-162.4	(A+B+C+D) -44	
OH wells in	System UAS LAS SUM	60.1 -1.6	12.5 -25.2	C -15.3 -34.2	D -77.3 -43.3	-80.1 -102.7	(A+B+C+D) -20 -104 -124	System UAS LAS SUM	118.5 -3.8	24.2 -50.7	C -31.0 -68.7	-155.5 -86.8	-162.4 -206.2	(A+B+C+D) -44 -210 -254	
OH wells in the Forebay Extraction at	System UAS LAS	60.1 -1.6	12.5 -25.2	C -15.3 -34.2 -50	D -77.3 -43.3	-80.1 -102.7	(A+B+C+D) -20 -104	System UAS LAS	118.5 -3.8	24.2 -50.7	C -31.0 -68.7 -100	-155.5 -86.8	-162.4 -206.2	(A+B+C+D) -44 -210	
OH wells in the Forebay Extraction at the City's	System UAS LAS SUM Aquifer	60.1 -1.6 58	12.5 -25.2 -13	C -15.3 -34.2 -50 P1	D -77.3 -43.3 -121	-80.1 -102.7 -183	(A+B+C+D) -20 -104 -124 SUM	System UAS LAS SUM Aquifer	118.5 -3.8 115	24.2 -50.7 -27	C -31.0 -68.7 -100 P2	-155.5 -86.8 -242	-162.4 -206.2 -369	(A+B+C+D) -44 -210 -254 SUM	
OH wells in the Forebay Extraction at	System UAS LAS SUM Aquifer System	60.1 -1.6 58 A	12.5 -25.2 -13 B	C -15.3 -34.2 -50 P1 C	D -77.3 -43.3 -121 D	-80.1 -102.7 -183 B+C+D	(A+B+C+D) -20 -104 -124 SUM (A+B+C+D)	System UAS LAS SUM Aquifer System	118.5 -3.8 115 A	24.2 -50.7 -27 B	C -31.0 -68.7 -100 P2 C	-155.5 -86.8 -242 D	-162.4 -206.2 -369 B+C+D	(A+B+C+D) -44 -210 -254 SUM (A+B+C+D)	

2023-10)-03

			Fore	bay Managem	ent Area		
Scenario		ge Monthly Grour down (ft) over 50			l Monthly Ground /down (ft) Over 50		
	Mean	Maximum	Standard Deviation	Mean	Maximum	Standard Deviation	Impact
P1	0.52	1.64	0.42	0.81	2.30	0.62	I
S1	0.51	1.63	0.42	0.81	2.28	0.62	l I
P1R	0.70	2.02	0.51	0.99	2.58	0.67	l I
P1RC	0.61	1.83	0.46	0.89	2.40	0.64	l I
P1F	1.11	3.17	0.78	1.63	4.58	1.18	П
P2	1.02	3.04	0.76	1.60	4.42	1.16	П
S2	1.01	3.01	0.75	1.59	4.37	1.15	П
P2R	1.38	3.73	0.92	1.95	4.89	1.25	П
P2RC	1.20	3.39	0.84	1.75	4.56	1.18	П
P2F	2.20	5.86	1.43	3.24	8.53	2.21	Ш

