

# Tracy Subbasin GSP Coordination Committee Meeting

Thursday January 18, 2023  
3:00 PM to 4:00 PM

## Teleconference Meeting Only

Teleconference Link: <https://stantec.zoom.us/j/98333216975>

Phone Number: +1-669-900-6833

Meeting ID: 983 3321 6975

The following options are available to members of the public to listen to these meetings and provide comments to the Committee Members before and during the meeting:

### CALL-IN

Members of the public are encouraged to use the call-in number, which will allow them to fully participate in the meeting without having to be present in person. **Once connected, we request you kindly mute your phone.** Please note, however, that calling in will prevent you from seeing any materials shown by those joining the meeting from a computer. Meeting packets are distributed through the [interested parties database](#) and posted to the Tracy Subbasin website in advance of the meeting.

### PUBLIC COMMENT

If you wish to make a written comment on a specific agenda item ahead of time, please submit your comment via email at least 48 hours prior to the meeting. Please submit your comment via email to Fritz Buchman, San Joaquin County, at [fbuchman@sjgov.org](mailto:fbuchman@sjgov.org). Your comment will be shared with the Tracy Subbasin Groundwater Sustainability Agencies members and placed into the record at the meeting. Every effort will be made to read comments received during the meeting into the record, but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

### DISABILITY-RELATED MODIFICATIONS

If you need disability-related modification or accommodation in order to participate in this meeting, please call (916) 418-8277 at least 48 hours prior to the start of the meeting.

## AGENDA

### I. Opening of Meeting/Roll Call

- A. Call the Meeting to Attention and Conduct Introductions for all Present

### II. Scheduled Items

- A. Approval of the December 13 GSP Coordination Committee Meeting Minutes – *Action Item*
- B. GSA Status Updates – *Round Robin Discussion*
  - 1. Current Groundwater Conditions, Projects and Management Actions, Funding, and General Updates

C. GSP Implementation Updates

1. GSA Invoicing Through GSP Implementation – *Discussion Item*
2. WY23 Annual Report – *Discussion Item*
3. TSS Update – *Discussion Item*
4. Groundwater Conditions – *Discussion Item*

D. Inter-basin Coordination – *Discussion Item*

1. Adjacent Basin Updates
  - i. Eastern San Joaquin – *Alex Chetley*
  - ii. Delta Mendota – *Lea Emmons*
  - iii. East Contra Costa – *Ed Pattison*

E. DWR Status Report – *Discussion Item*

**III. Public Comments**

- A. Receive Comments And Questions Not Captured Within The Agenda From Members Of The Public In Attendance

**IV. Agency Comments**

- A. Receive Comments And Questions Not Captured Within The Agenda From GSA Representatives

**V. Next GSP Coordination Committee Meeting Anticipated for February 15, 2024**

- A. Confirm Group Availability

**VI. Adjournment**

# **Tracy Subbasin GSP Coordination Committee Meeting**

**Wednesday, December 13, 2023**

**3:00 PM to 5:00 PM**

## **DRAFT MINUTES**

### **I. Opening of Meeting/Roll Call**

The meeting was called to order at approximately 1:03 PM. Roll call found the following Sustainable Groundwater Management Act (SMGA) Groundwater Sustainability Agency (GSA) representatives for the Tracy Subbasin (Tsb) present via teleconference for the regular Groundwater Sustainability Plan (GSP) Coordination Committee (Committee) meeting:

- John Chapman, Stewart Tract GSA
- Lea Emmons, City of Tracy GSA
- Greg Gibson, City of Lathrop GSA
- Ed Pattison, Byron Bethany Irrigation District (BBID)
- David Weisenberger, Banta-Carbona Irrigation District (BCID)
- Alex Chetley, San Joaquin County GSA

Other attendees:

- Emily Finnegan, Stantec
- Khandriale Clark, Stantec
- Richard Shatz, GEI
- Bill Brewster, California Department of Water Resources (DWR)
- Hope Paulin, San Joaquin County
- Christine Burkhalter
- Carter Reiff
- Karen Holcomb
- Peggy Grillo
- Ed McNair, DLA Tracy Depot, Water Program Manager
- Jim Miller, Kier and Wright
- George Hartman

### **II. Scheduled Items**

- A. Approval of the June 15 GSP Coordination Committee Meeting Minutes – *Action Item*

**RESULT:** APPROVED

**MOVER:** Greg Gibson

**SECONDER:** David Weisenberger

**AYES:** All

**NOES:** None

**ABSENT:** None

**ABSTAIN:** None

**EDITS:** There are no comments on the notes. They are approved for finalization and publication as is.

B. June 2023 Public Workshop Summary – *Discussion Item*

Ms. Clark requested comments and questions from the Committee on the draft summary from the June public workshop prior to publication. None were received, and thus, the summary will be finalized and published on the Tracy Subbasin website.

C. Leadership Transition at San Joaquin County – *Discussion Item*

Mr. Chetley, Deputy Public Works Director for the County, introduced himself as the interim Plan Manager for the Subbasin on behalf of San Joaquin County. He has taken over the role from Matt Zidar who retired in August 2023. The County is looking to secure a more permanent replacement for Mr. Zidar and has initiated their recruitment process. The job posting is available on the County's Human Resources website. Until a replacement has been found, Mr. Chetley will continue to manage this role alongside his other responsibilities at the County and with the support of the County's Water Resources Director, Fritz Buckman, some staff augmentation, and consultants, including Bob Granberg. Mr. Granberg is an experienced water resources professional that will attend these meetings in tandem with or in lieu of Mr. Chetley as schedules allow. Mr. Pattison and Mr. Gibson also shared that they have ongoing recruitment processes going in their water resources departments. All shared similar sentiments surrounding the challenges acquiring experienced talent across the industry at this time.

D. GSA Status Updates – *Round Robin Discussion*

1. Current Groundwater Conditions, Projects and Management Actions, Funding, and General Updates

- City of Tracy: The City has not pumped a lot of groundwater this year, but there is otherwise nothing more to report at this time.
- City of Lathrop: The City's ASR well project is underway and making good progress with a Basis of Design Report already slated for completion in January. The City is also remediating wells that have been offline for a few years due to unexpected maintenance issues. Separately, Mr. Gibson took a tour of Paradise Cut and learned about the South Delta Water Agency's project, which includes acquiring land, widening the flood plain area, and other components that are slated to support flood management. Mr. Weisenburger asked if the City has been a project proponent. Mr. Gibson responded that the City had been a project proponent for a long time alongside other local districts.
- BBID: Mr. Pattison stated that the District mostly consists of surface water users, and thus, does not have much to report on regarding groundwater. The groundwater quality within the area could be better and lacks in permeability, so it is not used very often.
- BCID: One groundwater monitoring well (MW-203) was completed sometime around August/September. A site for another groundwater monitoring well (MW-204) has been identified and could be drilled as early as this winter. Additionally, DWR has reached out to the District and has begun the contracting process for the grant awarded earlier this year. As a reminder, the District was awarded \$10M out of the \$14M needed to implement a pipeline extension project geared towards providing surface water for up to 500 acres of agricultural land that is solely reliant on groundwater at the moment; this is slated to reduce groundwater pumping by up to 1,000 acre-feet per year. The project design has been scaled back in some respects in order to make it more financially feasible. The project must be completed by October 2025 so that there is an appropriate amount of time to achieve project close out by March 31, 2026. Construction is anticipated to

begin in early 2024. Separately, Mr. Weisenburger noted that he will provide Mr. Shatz with data for the Annual Report.

Additionally, Mr. Shatz congratulated BBID on their work studying various fish species in the region. The results of the study may provide greater insights into which species could be fished more.

- Stewart Tract: Nothing to report.
- San Joaquin County: Mr. Chetley began by noting the Data Management System effort discussed during previous meetings was still a priority at the County and an effort to secure a single system management that would consolidate and organize the Tracy and Eastern San Joaquin Subbasins' information was already underway. Regarding the Corral Hollow Creek project, also mentioned in previous meetings, Mr. Chetley stated that the County was working with landowners on flood management opportunities that may help reduce the impact of flooding in the area but noted that it was not a permanent fix that would eliminate flooding. The County ultimately wants to keep the flows in the bank by restoring the historical flood flow capacity. Something currently being investigated is the use of quarry pits to take off high flows and working with the United States Army Corps of Engineers.

#### E. GSP Implementation Updates

##### 1. GSA Invoicing Through GSP Implementation – *Discussion Item*

- Mr. Shatz explained to the group that the County had not yet invoiced any of the Tracy Subbasin GSAs for their portions of shared GSP implementation costs for the 21-22 and 22-23 fiscal years. The 23-24 fiscal year invoice will not be ready until the end of the fiscal year. The totals vary for each year. Multiple GSA representatives commented that their accounting departments close the books after each fiscal year; thus, they would need to receive the invoices and speak to their respective departments about how best to move forward.

##### 2. WY23 Annual Report – *Discussion Item*

- Mr. Shatz stated that he still needed water supply data from BCID, BBID, and the City of Tracy by the coming Friday. GEI will use that data in combination with the M&N state database and open ET to estimate agricultural demand. This will all feed into the Annual Report. Additionally, DWR has provided guidance on the Report, including suggestions for showing progress towards GSP goals, use of visual aids, use of mandatory language and dictated within the legislation, [and more](#). Overall, this may increase the cost associated with developing the Report.

3. TSS Update – *Discussion Item*

- As mentioned by Mr. Weisenberger earlier in the meeting, two groundwater monitoring wells are moving through the TSS process. Mr. Shatz noted that the County's Environmental Health Department required permits with a workplan for well drilling. GEI has completed two permit applications—one for BCID and one for the City of Tracy. A permit application for BBID is underway. The additional workplans have increased the cost associated with GEI completing the permits.

4. Groundwater Conditions – *Discussion Item*

- There is only one well currently exceeding the minimum threshold. Mr. Shatz did not note any dry wells in 2023. There was one in August 2022, one in 2021, and one in 2015.
- There was no subsidence outside of the limit detected through the InSAR satellite data. Mr. Pattison mentioned that there is a large subsidence project being implemented in the Delta region and suggested Mr. Shatz contact Pable Arroyo to ensure there are not any undocumented subsidence issues.

5. Small Community Well Correlation to Aquifers – *Discussion Item*

- The purpose of this effort is to increase the use of publicly available water quality data to improve the water quality assessment of conditions and the monitoring network. This is slated to eliminate a GSP identified data gap in the water quality network and expands the area of data. The effort will include assessing more than 50 small community water supply wells to

identify which aquifer they are obtaining water. The wells are monitored by each water system, so the data does not cost the GSAs.

F. Inter-basin Coordination – *Discussion Item*

1. Adjacent Basin Updates

i. Eastern San Joaquin – *Alex Chetley*

- The County is working on their 5-year update which is due in approximately one year.
- Their steering committee met earlier this day and discussed recommendations surrounding a draft well mitigation program.
- The Subbasin received a grant to develop a Mokelumne River water right. GEI and Rincon have been selected as the technical consultants to support that effort. The work began in September and is anticipated to take three years.

ii. Delta Mendota – *Lea Emmons*

- The Subbasin is preparing for their Annual Report for the 2023 Water Year.

iii. East Contra Costa – *Ed Pattison*

- The Subbasin is preparing their Annual Report for the 2023 Water Year and are getting their spring and fall groundwater measurements.
- They are currently interpreting their GSP evaluation. It was accepted by DWR earlier this year with three corrective actions that need to be implemented by 2027. They submitted a grant application for Round 2 funds from DWR but were unsuccessful.

G. DWR Status Report – *Discussion Item*

1. Mr. Brewster congratulated BBID on their grant award and noted there were a lot of applications for funds that round.
2. He also encouraged the group to review the annual report and periodic update guidance provided by DWR.

III. **Public Comments**



None.

**IV. Agency Comments**

Mr. Chetley asked if GSP determinations were due next month. Mr. Shatz responded yes, by the end of January 2024.

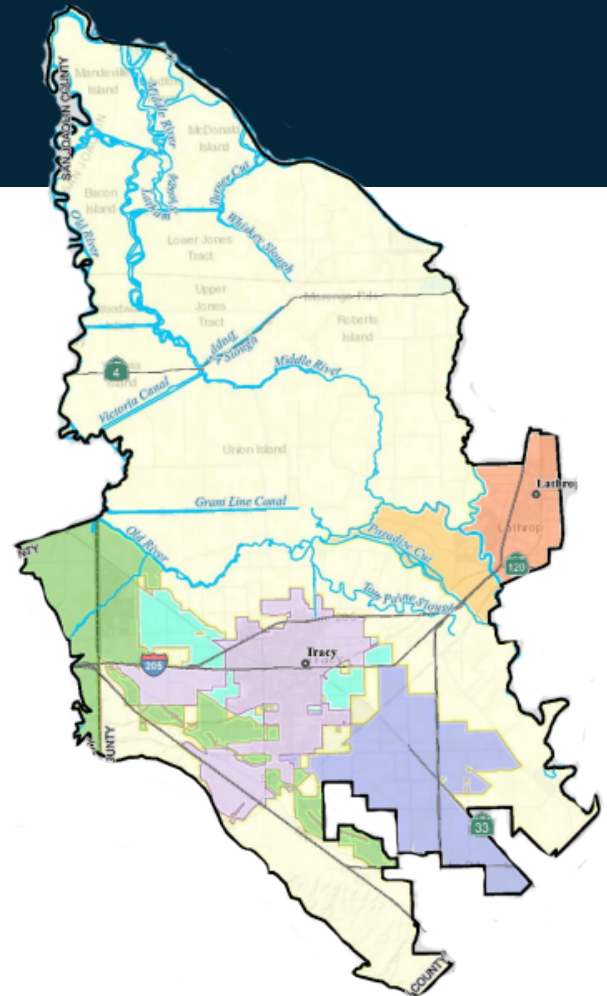
**V. Next GSP Coordination Committee Meeting Anticipated January 18, 2024.**

Invites for the monthly meetings were sent out during this meeting. The invite spans from January to June in order to facilitate development of the Annual Report as well as Budget for the next fiscal year.

**VI. Adjournment**

The meeting adjourned at approximately 5:03 PM.

# Item C.1. GSA Invoicing Through GSP Implementation

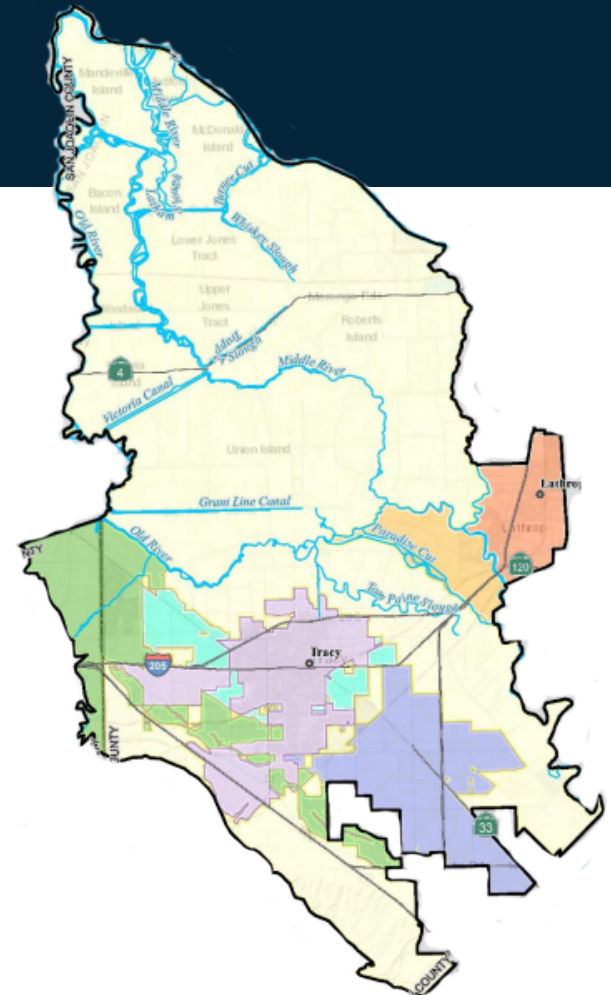


# GSA Invoicing

- FY2021-22 and FY2022-23 invoices have been issued
- Invoice for FY2023-2024 to be developed and sent by end of January

January 18, 2024

## Item C.2. WY 2023 Annual Report



# WY 2023 Report Preparation Status

- Groundwater level information has been posted to the MNM database by SJCo, bringing into New Table
- OpenET calculations in progress to estimate agricultural use
- Detailed Water Supply Tables have been created (provided as separate pdf for review, yellow highlighted cells to be revised)
- Summary Water Supply Tables have been created and populated from new guidance

# Water Supply – Changes to Annual Report

- Separated groundwater production by Principal Aquifer
- Supply Tables - including previous two water years
- Musco Olive – not groundwater pumping, surface water supplied by BBID from CVP contract, but taken from SWP
- Previous Water Supply Tables - place in Appendix or do not Include

# Detailed Water Supply Accounting to Appendix

Metered Groundwater Extraction Reported for Water Year 2023 (acre-feet)

Water Use Sector/Agency	2022			2023										WY Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
Agricultural														
BBID (Lower Aquifer)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BCID <sup>1</sup> (Lower Aquifer)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BCID	0	0	0	0	0	0	0	0	0	0	0	0	0	
BCID	0	0	0	0	0	0	0	0	0	0	0	0	0	
Delivered to farmlands outside BCID, within TSb	0	0	0	0	0	0	0	0	0	0	0	0	0	
Delivered to NDMCSb	0	0	0	0	0	0	0	0	0	0	0	0	0	
SJ County (Unknown Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stewart Tract (Unknown Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal Agricultural Extractions														0
Urban/Small Community/Rural														
City of Lathrop (Upper Aquifer)	81	81	20	9	15	31	55	108	109	140	128	76	852	
City of Tracy (Lower Aquifer)	56	40	3	0	0	0	27	1	77	20	17	45	287	
Small Community Water Systems:														
Domestic Well Owners	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Subtotal Urban Extractions														1,317
Industrial														
Deuel Vocational Institution (Unknown Aquifers)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Sharpe Army Defense Distribution Depot (Unknown Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Tracy Army Defense Distribution Depots (Unknown Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Subtotal Industrial Extractions														0
Managed Wetlands														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Wetlands Extractions														0
Native Vegetation														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Native Vegetation Extractions														0
Other Water Use Sector - Groundwater Remediation														
Occidental (Upper Aquifer)	91	113	122	115	99	97	62	79	74	72	74	68	1,066	
Sharpe Army Defense Distribution Depots (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Tracy Army Defense Distribution Depots (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Deuel Vocational Institution (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Subtotal Remediation Extractions														1,066
Managed Recharge <sup>2</sup>														
Tracy (Lower Aquifer - Well 8)	0	82	187	172	156	183	11	0	0	0	0	0	791	
BCID - Yamasaki Property - (Upper Aquifer - Conjunctive Use)	0	0	0	0	0	0	0	162	177	220	157	43	759	
City of Lathrop CTF (Upper Aquifer - percolation ponds)													0	
Occidental (Upper Aquifer injected treated remediation)	27	52	54	52	39	42	20	30	32	32	33	20	432	
Occidental (Lower Aquifer injected treated remediation)	64	61	69	63	60	55	42	49	42	41	41	48	634	
Subtotal Recharge Extractions														2,616
Total Metered Groundwater Extractions <sup>2</sup>														2,382

# New Water Supply Accounting Tables in Text

- Groundwater production summed by Principal Aquifers and Unknown Aquifers
- Previous Water Years included

Upper Aquifer (Metered and Estimated)			
Groundwater Extraction Sector	WY2021 (AF)	WY2022 (AF)	WY2023 (AF)
Agricultural			0
Urban		1,560	961
Industrial			100
Managed Wetlands			0
Native Vegetation			0
Other - Remediation			2,056
Managed Recharge		1,269	1,191
<b>Total Extractions</b>			<b>3,117</b>
<b>Total = Extractions - Managed Recharge</b>			<b>1,926</b>
<b>Sustainable Yield</b>			

Lower Aquifer (Metered and Estimated)			
Groundwater Extraction Sector	WY2021 (AF)	WY2022 (AF)	WY2023 (AF)
Agricultural			703
Urban		1,315	1,367
Industrial			0
Managed Wetlands			0
Native Vegetation			0
Other - Remediation			0
Managed Recharge		250	1,425
<b>Total Extractions</b>			<b>2,070</b>
<b>Total = Extractions - Managed Recharge</b>			<b>645</b>
<b>Sustainable Yield</b>			

Unknown Aquifer (Metered and Estimated)			
Groundwater Extraction Sector	WY2021 (AF)	WY2022 (AF)	WY2023 (AF)
Agricultural (See Appendix D)		21,691	18,997
Urban		944	207
Industrial		519	450
Managed Wetlands		0	0
Native Vegetation		0	0
Other - Remediation		0	0
Managed Recharge		0	0
<b>Total Extractions</b>			<b>19,653</b>
<b>Total = Extractions - Managed Recharge</b>			<b>19,653</b>

Total Extraction - All Aquifers (Metered and Estimated)			
Groundwater Extraction Sector	WY2021 (AF)	WY2022 (AF)	WY2023 (AF)
Agricultural	22,000	21,691	19,700
Urban	6,800	3,819	2,535
Industrial	1,000	519	550
Managed Wetlands	0	0	0
Native Vegetation	0	0	0
Other - Remediation	1,000	1,038	2,056
Managed Recharge	600	1,519	2,616
<b>Subtotal Extractions</b>	<b>30,800</b>	<b>27,067</b>	<b>24,840</b>
<b>Total = Extractions - Recharge</b>	<b>30,200</b>	<b>25,548</b>	<b>22,224</b>
<b>Sustainable Yield (Upper + Lower Aquifers)</b>	<b>62,100</b>	<b>62,100</b>	<b>62,100</b>



# New Water Supply Accounting Table in Text

Total Surface Water (Metered and Estimated)				
Saurface Water Supply Sectors	WY2021 (AF)	WY2022 (AF)	WY2023 (AF)	Method Used to Determine
Central Valley Project	16,800	9,646	14,956	Metered
State Water Project	0	0	568	Metered
Colorado River Project	0	0	0	
Managed Local Supplies	91,000	103,406	54,378	Metered, Land Use
Local Imported Supplies	15,200	14,601	14,789	Metered
Recycled Water	800	527	530	Metered
Desalination	0	0	0	
Other	0	0	0	
<i>Total</i>	<b>123,800</b>	<b>128,180</b>	<b>85,221</b>	

# New Water Supply Accounting Tables in Text

Water Source Type	Metered Water Use (AF)	Estimated Water Use (AF)	Total Water Use (AF)	Method Used to Determine
Agricultural	57,077	19,700	76,777	Metered, Land Use
Urban	28,363	1,218	29,581	Metered, Population, Land Use, Previous WY
Industrial	568	550	1,118	Metered
Managed Wetlands	0	0	0	Metered
Native Vegetation	0	0	0	
Other - Remediation	1,066	990	2,056	Metered
Managed Recharge	2,616	0	2,616	Metered
<b>Subtotal</b>	<b>89,690</b>	<b>22,458</b>	<b>112,148</b>	
<b>Total</b>			<b>224,295</b>	

# Water Supply - Questions

- **CSA 50 Patterson Park** – receiving water from BBID or Tracy, surface water or groundwater?
- **Maurland Manor Water System** – DDW records say well sold – are they still a system or have they been incorporated into someone's system?
- **Sharpe Army Depo** – Drinking water supplied by City of Lathrop? Are they pumping groundwater for potable or industrial use?
- **Tracy Army Depo** – Does anybody know a contact and can we get groundwater pumping for WY 2023 by well?
- **Status of Deuel Institute** – ??

# Water Supply - Questions

- **JR Simplot** – water supplied by City of Lathrop?
- **Pescador (RD 2058) and NBID:**
  - Local contacts?
  - SWRCB reporting NBID only through calendar year 2022. Water diversions WY2023
  - NBID Definition - Diverted, Beneficial Use
  - New category Reused Water
  - GIS files for NBID District Boundaries

# Water Supply - Questions

- **Small Community Water Systems (total 40)**
  - WY2022 - County reported for 5 systems (Corral Hollow, Fair Oaks, Par Estates and Santos Ranch)
  - About 1,200 AF
  - Need WY2023 totals by well from County
- **Remaining 35 Systems**
  - Have to estimate groundwater pumping
  - Have population served
  - Classified by Residential, Transient and Non-Transient
  - Need local gpd per capita for Transient and Non-Transient

# Water Supply New Changes

- **Yamaski Property** – surface water deliveries reported as managed recharge (conjunctive use)
- **Surface Water supply for:**
  - RD 1007 - RD 1007 (provides irrigation water service to nearly 6,100 acres of land)
  - RD 2058 Pescador

# Annual Report Needs:

**Stantec to provide:**

**Table listing Public Outreach and Engagement activities – summarize public comments and feedback**

They have Technical Committee and Annual Report meetings

Need: BCID, BBID, City of Lathrop or Tracy – Board Meetings where GSP Implementation discussed

# Annual Report Needs:

## **Groundwater Levels:**

**ORL-1W monitoring well** – Complete transfer from DWR to BBID

**0203E01D001M and 1S04E31P005M** – BBID to obtain access agreement to monitor wells previously measured by Alameda County or require Alameda County to resume monitoring

**Complete before April and obtain groundwater level measurements, spring and fall**



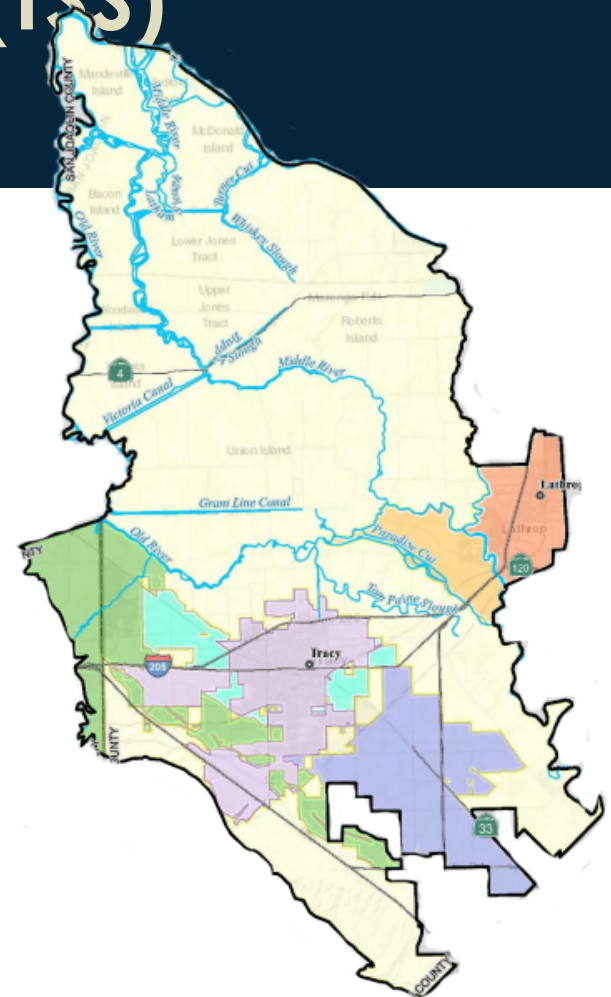
# Schedule

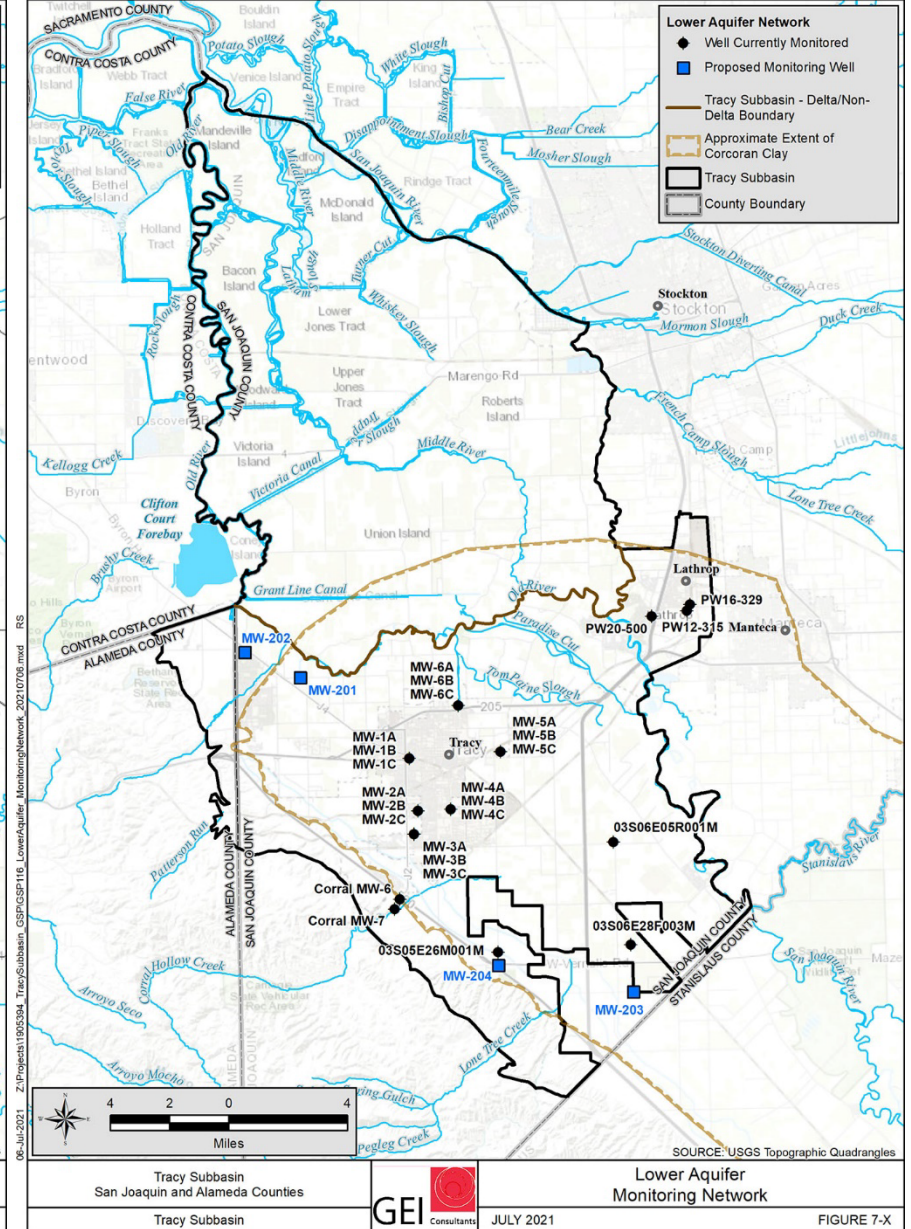
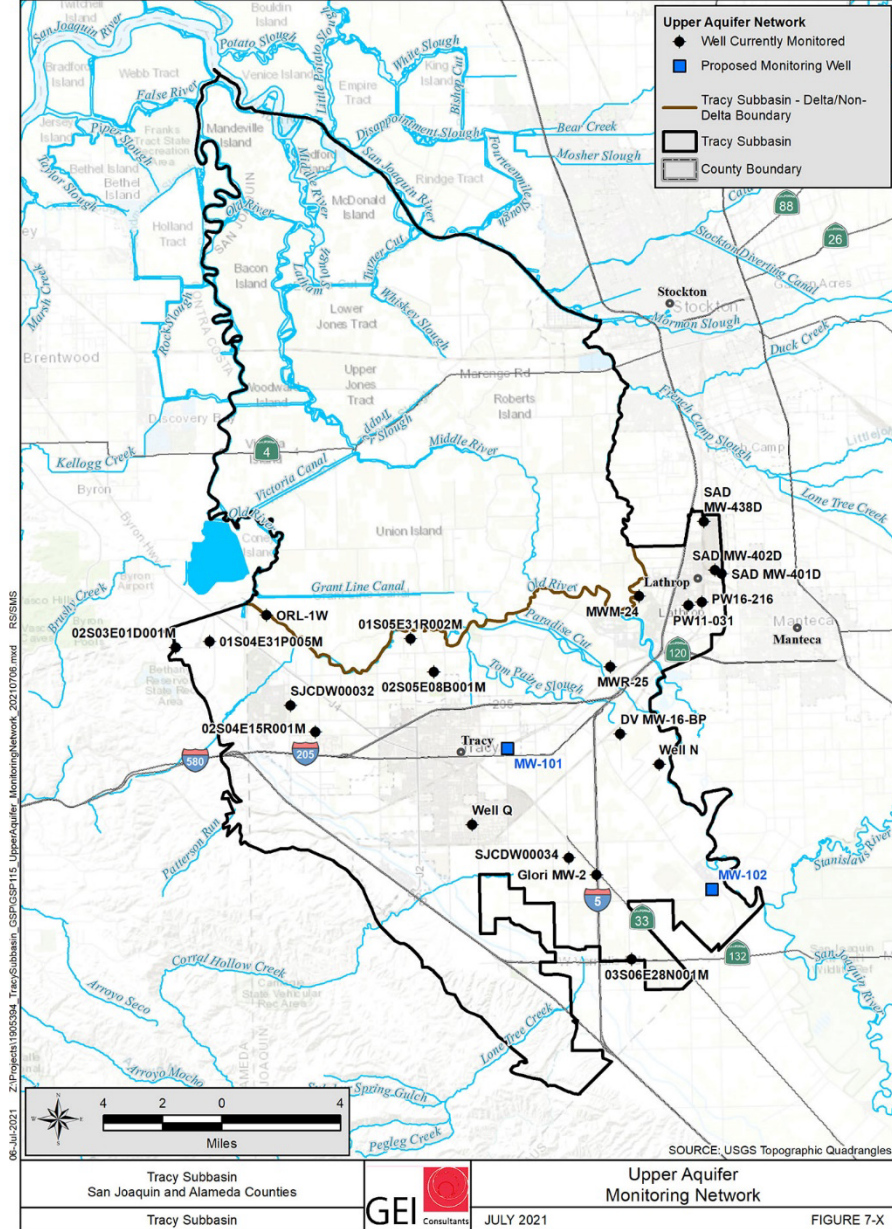
- Draft Estimated Agricultural Groundwater Pumping – Feb 15, 2024 (Tech Comm Meeting)
- Draft Annual Report Release to GSAs – March 4, 2024
- Comments Returned from GSAs to GEI – March 18 2024
- Comments incorporated and discussed at March 21, 2024 Technical Committee meeting, Action Item: Approval to Submit to DWR
- Annual Report Submitted to DWR – week of March 25, 2004
- DWR required Submittal date - April 1, 2024

January 18, 2024

## Item C.3.

# Technical Support Services (TSS)





# Current Status

- Mountain House confirms well location
- Submittal to SJCEMD by January 31, 2024 (MW-101, -201 and -202, and MW-204)
- Start drilling MW-204 within 2 weeks, others March or April
- SJCEMD permit review standard fee – 30 days

Monitoring Well Name	Agency	DWR Agreement Signed	Permit Status				
			Draft Permit	Draft Workplan	DWR to acquire Drilling Contractor Signature	Submit to SJCEHD	Permit Approved
MW-101	City of Tracy		X	X			
MW-102	BCID	Land to be acquired					
MW-201	BBID						
MW-202	Mtn. House	X					
MW-203	BCID	X	X	X	X	X	X
MW-204	BCID	X	X	X			



## Cells to be updated

[illegible]

Metered Groundwater Extraction Reported for Water Year 2023 (acre-feet)

Cells to be updated

2022						2023										
Water Use Sector/Agency				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY Total
Other Water Use Sector - Groundwater Remediation																
Occidental (Upper Aquifer)				91	113	122	115	99	97	62	79	74	72	74	68	1,066
Sharpe Army Defense Distribution Depots (Upper Aquifer)				---	---	---	---	---	---	---	---	---	---	---	---	0
Tracy Army Defense Distribution Depots (Upper Aquifer)				---	---	---	---	---	---	---	---	---	---	---	---	0
Deuel Vocational Institution (Upper Aquifer)				---	---	---	---	---	---	---	---	---	---	---	---	0
Subtotal Remediation Extractions															1,066	
Managed Recharge <sup>2</sup>																
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BCID - Yamasaki Property - (Upper Aquifer - Conjunctive Use)				0	0	0	0	0	0	0	162	177	220	157	43	759
City of Lathrop CTF (Upper Aquifer - percolation ponds)																0
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Subtotal Recharge Extractions															2,616	
Total Metered Groundwater Extractions <sup>2</sup>															2,382	

Notes:

--- Information not available

<sup>1</sup> Groundwater pumping exported to the North and Central Delta-Mendota subbasin

<sup>2</sup> Managed Recharge not included in Total Metered Groundwater Extractions

Small Community Water System Well Construction Details and Assignments to Aquifers, see GEI Water Quality Report, 2024

Cells to be updated

2022							2023								
Water Use Sector/Agency			Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY Total
Agricultural <sup>1</sup>															
BBID Area (Unknown Aquifer)			0	442	0	0	0	0	0	0	75	0	0	0	517
BCID Area (Unknown Aquifer)			0	148	0	0	38	0	0	0	0	0	0	0	186
City of Lathrop Area (Unkown Aquifer)			0	29	0	0	0	69	74	29	25	95	0	0	320
City of Tracy Area (Unknown Aquifer)			0	0	0	0	0	0	0	0	0	0	0	0	0
SJ County Area (Unknown Aquifer)			0	1,577	0	0	852	1,659	3,061	3,568	3,377	4,583	0	0	18,677
Yakamasaki Property															
Nagle-Burke ID															0
RD 1007															0
RD2058															0
RD2095															
Stewart Track (Unknown Aquifer)			0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Agricultural Extractions															19,700
Urban/Municipal/Rural															
Lathrop (Upper Aquifer)			0	0	0	0	0	0	0	0	0	0	0	0	0
Tracy (Upper Aquifer)			0	0	0	0	0	0	0	0	0	0	0	0	0
Small Community Water Systems:															
ARP Minimart Corp WS (Unknown Aquifer)															0
Banta Inn Water System (Upper Aquifer)															1
Bradshaw Cristian School (Unknown Aquifer)															0
Carbona Food & Liquor (Lower Aquifer)															0.75
Carmelo Industrial Park (Lower Aquifer)															0
Corral Hollow PWS (Lower Aquifer)			0	0	0	3	2	3	5	10	10	10	1	7	36
Corral Hollow PWS (Upper Aquifer)			0	0	0	0	2	4	3	0	1	2	9	3	23
Country Mart Diesel & Gas (Lower Aquifer)															0
Currier Estates Water Corp (Lower Aquifer)															37
Darrigos Water System (Lower Aquifer)															0
Defense Distrib. Depot - Tracy Site (Unknown Aquifer)															0
Defense Distrib. Depot - Tracy Site (Unknown Aquifer)															0
Defense Distrib. Depot - Tracy Site (Unknown Aquifer)															0
Deuel Vocational Inst. - Well 03 (Unknown Aquifer)															0
Deuel Vocational Inst. - Well 04 (Lower Aquifer)															0
Deuel Vocational Inst. - Well 05 (Both Aquifers)															0
Deuel Vocational Inst. - Well 06 (Lower Aquifer)															0
Deuel Vocational Inst. - Well 09 (Unknown Aquifer)															0
PWS #44 Fair Oaks - Well 1 (Lower Aquifer)			0	0	0	18	38	53	55	2	19	5	4	2	196
PWS #44 Fair Oaks - Well 3 (Lower Aquifer)			0	0	0	0	0	1	5	93	80	111	109	36	435
PWS #44 Fair Oaks - Well 4 (Lower Aquifer)			0	0	0	2	0	0	0	0	7	0	0	0	9
French Camp (Lower Aquifer)															0
La Torres Park (Upper Aquifer)															10
Morehead Park - Well 2 (Upper Aquifer)			---	---	---	---	---	---	---	---	---	---	---	---	75
Morehead Park - Well 3 (Lower Aquifer)															0
Navarra Water System (Lower Aquifer)															0
New Jerusalem School (Upper Aquifer)															0
New Jerusalem School (Unknown Aquifer)															0
Northwest Pipe Co. (Upper Aquifer)															0
Old River Golf Course (Unknown Aquifer)															0
Pallet King (Lower Aquifer)															0
Par Country Estates (Lower Aquifer)			0	0	0	0	0	0	0	9	14	14	2	6	45
CSA #16 Par County Estates (Both Aquifers)			0	0	0	4	6	9	9	4	0	0	11	5	48
San I PAK (Upper Aquifer)															0
San Joaquin River Club (Both Aquifers)			---	---	---	---	---	---	---	---	---	---	---	---	150
San Joaquin River Club (Both Aquifers)			---	---	---	---	---	---	---	---	---	---	---	---	0
CSA#35 Santos Ranch - Well #2 Standby) PWS#5 -(Lower Aquifer)			0	0	0	5	3	0	0	0	0	0	0	0	7
CSA#35 Santos Ranch Well 1 WS#5 (Lower Aquifer)			0	0	0	0	6	12	14	19	24	26	23	19	144
Southwinds Church of Tracy (Lower Aquifer)															0
Star Motel (Unknown Aquifer)															0.5
Tracy Islamic Center (Unknown Aquifer)															0
W. 11th St Chevron (Lower Aquifer)															0
Maurland Manor Water System			---	---	---	---	---	---	---	---	---	---	---	---	
CSA 50 Patterson Irrigation Park			---	---	---	---	---	---	---	---	---	---	---	---	
Domestic Well Owners			---	---	---	---	---	---	---	---	---	---	---	---	---
Subtotal Urban Extractions															1,218
Industrial															
Deuel Vocational Institution			---	---	---	---	---	---	---	---	---	---	---	---	0
JR Simplot (Upper Aquifer)			---	---	---	---	---	---	---	---	---	---	---	---	100
Sharpe Army Defense Distribution Depots (Unknown Aquifer)			---	---	---	---	---	---	---	---	---	---	---	---	125
Tracy Army Defense Distribution Depots (Unknown Aquifer)			---	---	---	---	---	---	---	---	---	---	---	---	325
Subtotal Industrial Extractions															550
Managed Wetlands															
			0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Wetlands Extractions															0

Estimated Groundwater Extractions for Water Year 2023 (acre-feet)

Cells to be updated

2022				2023										
Water Use Sector/Agency	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY Total	
Native Vegetation														
	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Native Vegetation Extractions													0	
Other Water Use Sector - Groundwater Remediation														
Occidental (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	0	
Sharpe Army Defense Distribution Depot (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	900	
Tracy Army Defense Distribution Depot (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---	90	
Deuel Vocational Institution (Upper Aquifer)	---	---	---	---	---	---	---	---	---	---	---	---		
Subtotal Remediation Extractions													990	
Managed Recharge														
	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Recharge Extractions													0	
Total Estimated Groundwater Extractions													22,458	

Notes:

\* Estimated Groundwater Pumping for Agriculture (see Appendix D)

--- Information not available

Urban/Municipal/Rural estimates develop by using = number of people served \*0.25 acre-feet per person

Industrial water use is only based on public water system number of people served and may not include industrial uses.

Other water use estiamtes are from average annual pumping as documented in the GSP



# Metered Surface Water Diversions Reported for Water Year 2023 (acre-feet)

Cells to be updated

Water Use Sector/Agency	2022			2023									
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY Total
<b>Agricultural Use - CVP</b>													
BBID Area	88	0	0	0	0	4	217	282	580	680	447	401	2,699
BCID Area (inside District)	--	--	--	--	--	--	--	--	--	--	--	--	0
<b>Subtotal Agricultural Diversions Reported</b>													<b>2,699</b>
<b>Agricultural Use - Local - San Joaquin River/Old River</b>													
BBID Area	1,901	198	19	19	29	32	1,611	2,908	2,978	3,303	2,349	1,343	16,690
Intake Channel	1,136	120	19	19	29	32	1,069	2,078	2,978	3,303	2,349	1,343	
Intake Channel (Raw Water to Tracy)							542	830					
Intake Channel (former Westside ID)	765	78	0	---	---	---	---	---	---	---	---	---	
Diverion (Costa-Campbell, POD_ID 55018)	---	---	---	---	---	---	---	---	---	---	---	---	---
BCID Area (inside District)	2406	651	5	0	0	0	1581	4626	5752	6578	5551	2879	30,029
City of Tracy (Sugar Cut)	0	0	0	0	0	0	162	137	408	338	419	195	1,659
SJ County Area (BCID Kasson area)	392	7	0	0	0	0	279	694	1,305	1,287	1,211	825	6,000
SJ County Area (Naglee-Burke, POD_ID 52194)	---	---	---	---	---	---	---	---	---	---	---	---	---
SJ County Area (Patteson, POD_ID 53924)	---	---	---	---	---	---	---	---	---	---	---	---	---
SJ County Area (RD 1007)	---	---	---	---	---	---	---	---	---	---	---	---	---
SJ County Area (RD 2058 Pescador)	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Subtotal Local Agricultural Diversions Reported</b>													<b>54,378</b>
<b>Urban/Municipal - CVP</b>													
Mountain House	406	244	205	192	190	197	279	406	453	536	587	532	4,227
Tracy (CVP)	500	0	0	0	0	0	672	1,252	1,429	1,336	1,567	1,274	8,030
<b>Subtotal Urban CVP Diversions Reported</b>													<b>12,257</b>
<b>Urban/Municipal - Imported</b>													
Lathrop (SSJID)	417	262	271	276	268	260	318	405	495	531	525	484	4,512
Tracy (SSJID) <sup>1</sup>	1157	1289	1209	1151	864	1157	583	362	476	792	598	638	10,277
<b>Subtotal Urban Imported Reported</b>													<b>14,789</b>
<b>Industrial - SWP</b>													
BBID Area (Musco Olive)	62	48	43	44	52	15	47	61	53	54	46	43	568
<b>Subtotal Industrial Extractions</b>													<b>568</b>
<b>Managed Wetlands</b>													
	---	---	---	---	---	---	---	---	---	---	---	---	0
<b>Subtotal Industrial Extractions</b>													<b>0</b>
<b>Native Vegetation</b>													
	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Subtotal Native Vegetation</b>													<b>0</b>
<b>Other</b>													
	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Subtotal Other</b>													<b>0</b>
<b>Managed Recharge (imported SSJID surface water) <sup>1</sup></b>													
Tracy (Well 8 injected SSJID imported water)	0	82	187	172	156	183	11	0	0	0	0	0	791
<b>Subtotal Recharge Extractions</b>													<b>791</b>
<b>Total Diversions Reported <sup>2</sup></b>													<b>84,691</b>

Notes:

--- Information not available

<sup>1</sup> = 791 AF of SSJID used by Tracy for recharge

<sup>2</sup> Managed Recharge not included in Total Diversion

# Estimated Surface Water Diversions for Water Year 2023 (acre-feet)

Cells to be updated

Water Use Sector/Agency	2022			2023										WY Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
Agricultural Use - Local														
BBID Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diversion (Patteson, POD_ID 53924)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BCID Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Lathrop Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Tracy Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SJ County Area (from Appendix D)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SJ County Area (SWRCB Reported Diversions)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SJ County Area (Naglee-Burke, POD_ID 52194)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SJ County Area (Costa-Campbell, POD_ID 55018)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Stewart Tract Area	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Subtotal Agricultural Diversions														0
Agricultural Use Riparian <sup>1</sup> - Local (from Appendix D)														
BBID Area														0
BCID Area														0
City of Lathrop Area														0
City of Tracy Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SJ County Area														0
Stewart Tract Area														0
Subtotal Riparian Agricultural Diversions														0
Urban/Municipal/Rural														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Urban Diversions														0
Industrial														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial Diversions														0
Managed Wetlands														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Wetlands														0
Native Vegetation														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Native Vegetation														0
Other														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Other														0
Managed Recharge														
Tracy (Well 8 injected SSJID imported water)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Fallowed Land														0
Total Estimated Diversions														0

Notes:

<sup>1</sup> Estimated based on land parcels immediately adjacent to rivers or waterways

--- Information not available

Estimated accuracy to be plus or minus 50%