

VIII.



MEMORANDUM

TO: SLDMWA Board of Directors, Alternates

FROM: John Brodie, Water Resource Programs Manager
Joe McGahan, Regional Drainage/Westside Watershed Coalition Coordinator

DATE: November 10, 2022

RE: Activity Agreements – Staff Report for October, 2022

This memorandum serves as the Staff Report for October 2022 regarding specified¹ Water Authority activities not separately addressed on the Board meeting agenda.

1. Integrated Regional Water Management (IRWM) Activity Summary

General Westside-San Joaquin Integrated Regional Water Management Plan (IRWMP)

Project proponents should know by the end of this month whether grant applications submitted in August will be approved for funding. Del Puerto Water District is seeking an available \$950,000 in the San Joaquin River Funding Area for a Decision Support Tool that will assist with water storage projects. Westlands Water District submitted applications for two projects in the Tulare Kern Funding Area: one for an aquifer storage and recovery well project and a second for an above ground storage project.

Staff is investigating possible enhancements to the Opti Project database, including a map layer that shows completed or in-progress work. Staff continues to update projects already submitted, and local project sponsors continue to add proposed items for consideration. A comprehensive call for projects and a re-ranking and prioritization of all projects is anticipated for next fiscal year.

2. Sustainable Groundwater Management Activity (SGMA) Activity Summary

Coordinated Activities

Groundwater Sustainability Agencies (GSAs) have until the end of this month to submit fall water level data to DWR’s SGMA portal. Measurements should have been collected in September and October. The data will be used in the Subbasin’s Consolidated Annual Report for Water Year 2022. Work on the Annual Report is underway, and must be submitted to DWR by April 1, 2023.

¹ For the sake of completeness, this includes those Activity Agreements that have been approved by the Board of Directors, but not yet signed by all interested members and/or participants (i.e., the Los Vaqueros Expansion Project Activity Agreement, the Exchange Contractors 2019-2023 Transfer Program Activity Agreement, and the Westside-San Joaquin Integrated Regional Water Management Activity Agreement).

45

General SGMA Activities

DWR updated its timetable for evaluation of the Subbasin's amended Groundwater Sustainability Plans (GSPs). Evaluations and final determinations on the amended Plans, submitted in July, were originally anticipated by the end of this calendar year. DWR's SGMA staff now says those determinations will not be released until the first quarter of calendar year 2023.

Work is underway for projects funded by the \$7.6-million-dollar grant awarded to the Delta-Mendota Subbasin from the state's SGMA Implementation Grant Program Round 1. Grant-funded activities include water supply reliability and groundwater recharge projects, additional monitoring and data collection, and funding for mandatory 2025 Groundwater Sustainability Plan updates. Del Puerto Water District served as the lead applicant on behalf of the Subbasin, and signed the grant agreement with DWR in October.

Subbasin GSP groups are preparing a request for \$20 million in the SGMA Implementation Grant Program Round 2. Proposed activities include additional water supply reliability and groundwater recharge projects in addition to enhancing monitoring and data collection efforts that will be started with Round 1 funds.

3. Drainage Activity Summary

Grassland Basin Drainage Management Steering Committee Activity Summary

- GBD Budget

Work was initiated to develop the FY 2023-2024 GBD Activity Agreement budget.

- Regional Board Grassland Bypass Project Stakeholder Meeting

A Regional Board meeting is scheduled for January 2023. Participated in development of agenda and timeline.

- Legal Issues

Ongoing support is provided to support the legal issues that the Authority is involved in.

- Mud Slough Restoration Project

The Water Authority adopted CEQA for the project in December 2021. There were comments received on the project from the State Board, California Department of Fish and Wildlife (CDFW) and a group of commenters led by the Planning and Conservation League (PCL). A meeting is being scheduled with CDFW to review and move the project forward.

- Grassland Water District Monitoring Wells

A total of 10 observation wells are planned to be installed to monitor groundwater levels and quality within the San Joaquin River Improvement Project and in a portion of Grassland Water District to the north. Work continues on permitting issues from Merced County and landowner issues.

- Compliance Monitoring

Work is continuing to comply with the monitoring requirement of the 2019 Revised WDRs and the December 2019 Use Agreement. This monitoring includes particulate sediment and fish collection and analysis to continue to analyze possible impacts of very infrequent discharge from the Grassland Bypass Project to Mud Slough and the San Joaquin River.

- Grassland Drainage Area Coalition

5/6

Work continues to provide coverage for farmers within the Grassland Drainage Area for the Irrigated Lands Regulatory Program. Reporting forms are being prepared to send to farmers in late 2022 for reporting 2022 nitrogen application.

- Work is ongoing to support the Prop 84 Grant administered by Panoche Drainage District for improvements to the San Joaquin River Improvement Project.

San Joaquin Valley Drainage Authority Activity Summary

- Prepare and lead San Joaquin Valley Drainage Authority Board meeting
Topics included development of plan to comply with CVSalts Nitrate Control Program through a management zone. Research of various means to comply are being researched.

- Westside San Joaquin River Watershed Coalition

Work continues to provide coverage for farmers within the Grassland Drainage Area for the Irrigated Lands Regulatory Program. This includes managing the monitoring program, assisting farmers with the necessary reporting to comply with the program and preparing reports for the Regional Board. Forms are being prepared to send to growers for reporting 2022 nitrogen application.

- Groundwater Protection Formula, Values and Targets

Coalitions are developing a methodology to establish nitrogen loading values and targets as required by the WDRs. Ongoing work includes meeting with other coalitions and staff developing the values and targets along with supporting that work through the SJVDA budget.

- Management Zones

The Central Valley Basin Plan's Nitrate Permitting Strategy divided the Central Valley into Priority 1, Priority 2 and non-Prioritized basins. The Westside Coalition is in Priority 2. Priority 1 basins have developed and begun to implement their nitrate programs. The Regional Board is expected to issue notices to comply to Priority 2 basins in early 2023. The Westside San Joaquin River Watershed Coalition is in a Priority 2 basin and therefore is expected to receive a Notice to Comply from the Regional Board in 2023. The Westside Coalition is working to develop a plan to help form a Management Zone to comply with the requirements. The Management Zone will incorporate all dischargers of nitrate to groundwater, including municipal wastewater plants, dairies and industrial dischargers. The Management Zone must identify domestic wells that are high in nitrate and develop and plan to provide alternative water. This added program will significantly increase the SJVDA budget to support this work and is being supported through the SJVDA budget.

- Salt Control Program

Phase I of the Salt Control Program involves the development of a Prioritization and Optimization Study (P&O Study). Consultants are compiling data to characterize current salinity conditions of both surface and groundwater across the Central Valley. Phase I of the Salt Control Program is expected to last years. This work is supported through the SJVDA budget.

- Prop 84 Real Time Program Grant

Work continues on upgrading various monitoring stations and gathering monitoring data. Remaining tasks include maintaining the stations and modeling to determine and manage salt discharges to the San Joaquin River.

Blank

CV SALTS NITRATE CONTROL PROGRAM

PRELIMINARY MANAGEMENT ZONE PROPOSALS AND DRINKING WATER EARLY ACTION PLANS



1

ADOPTION OF THE NITRATE CONTROL PROGRAM – BASIN PLAN AMENDMENT

- Adopted by the Central Valley Water Board (2018)
- Approved by the State Water Board (2019)
- Approved by the Office of Administrative Law (2020)
- Effective on January 17, 2020
- Start of Implementation Efforts
 - Nitrate Control Program - Priority 1 Basins
 - May 2020
 - Salinity Control Program – All Dischargers of Salinity
 - January 2022

2

INCLUSION OF NITRATE CONTROL PROGRAM INTO ILRP ORDER

- WDR General Order for Growers within Westside San Joaquin River Watershed
 - Amended on April 22, 2021
 - Incorporated requirements to comply with Nitrate Control Program and Salt Control Program
 - Required to comply once the Westside San Joaquin Watershed Coalition receives **Notice to Comply**
 - **Notice to Comply** specific to each control program (i.e., one for Nitrate and one for Salinity)

3

OPTIONS FOR COMPLIANCE

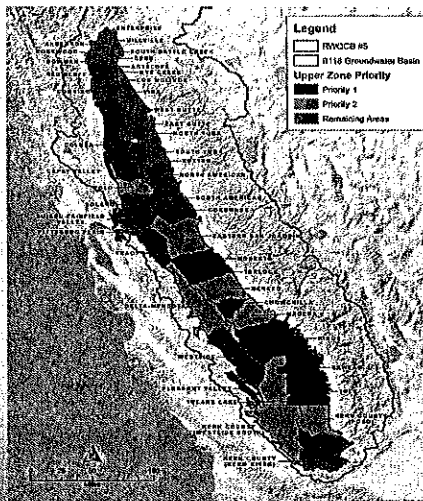
- Individual Permitting Approach (Path A) (as a Coalition)
 - 425 days after receiving Notice to Comply must submit Notice of Intent
 - Must conduct Initial Assessment of member discharges
 - Must categorize discharge based on level of degradation
 - Depending on level of degradation, may need to implement an alternative compliance project
 - Must include Early Action Plan for impacted public or domestic water supply wells
- Management Zone Permitting Approach (Path B) (as a Coalition)
 - 1-year after receiving Notice to Comply must submit (along with other participating dischargers) Preliminary Management Zone Proposal and an Early Action Plan

4

49

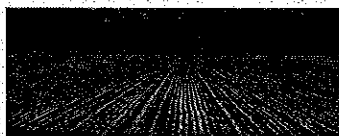
IMPLEMENTATION OF THE MANAGEMENT ZONES OPTION – PRIORITY 1 BASINS

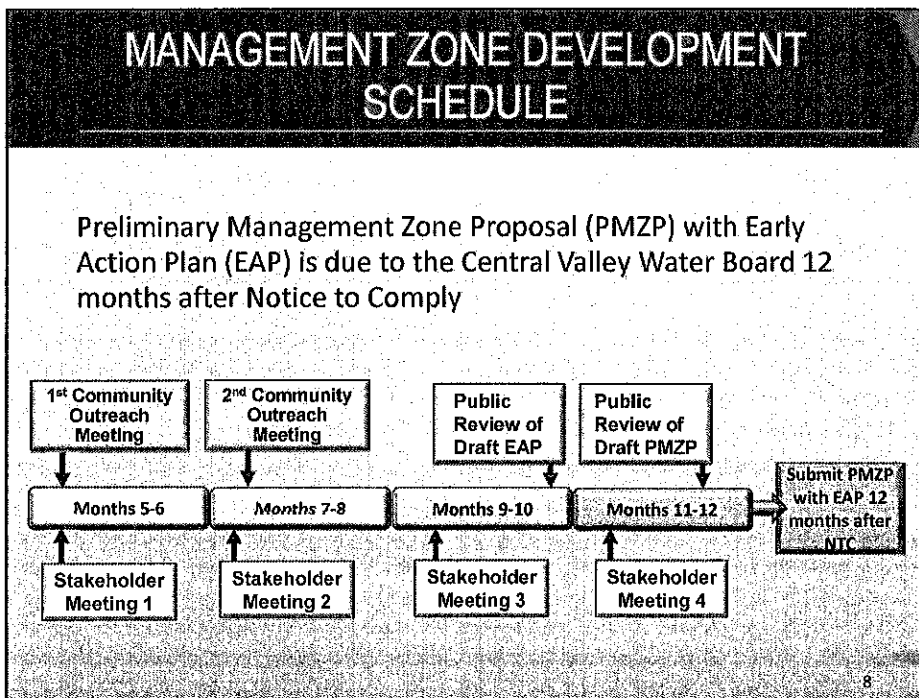
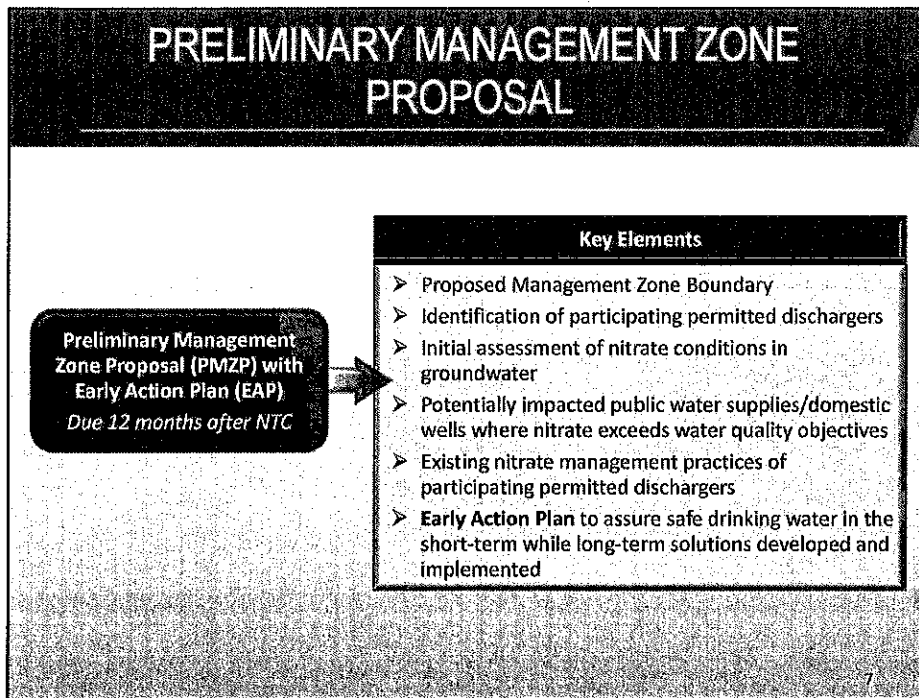
- They used existing organizations, set up interim arrangements with existing groups, or formed new organizations:
 - Valley Water Collaborative (Modesto/Turlock)
 - Chowchilla
 - Kings Water Alliance
 - Kaweah Water Foundation
 - Tule Basin



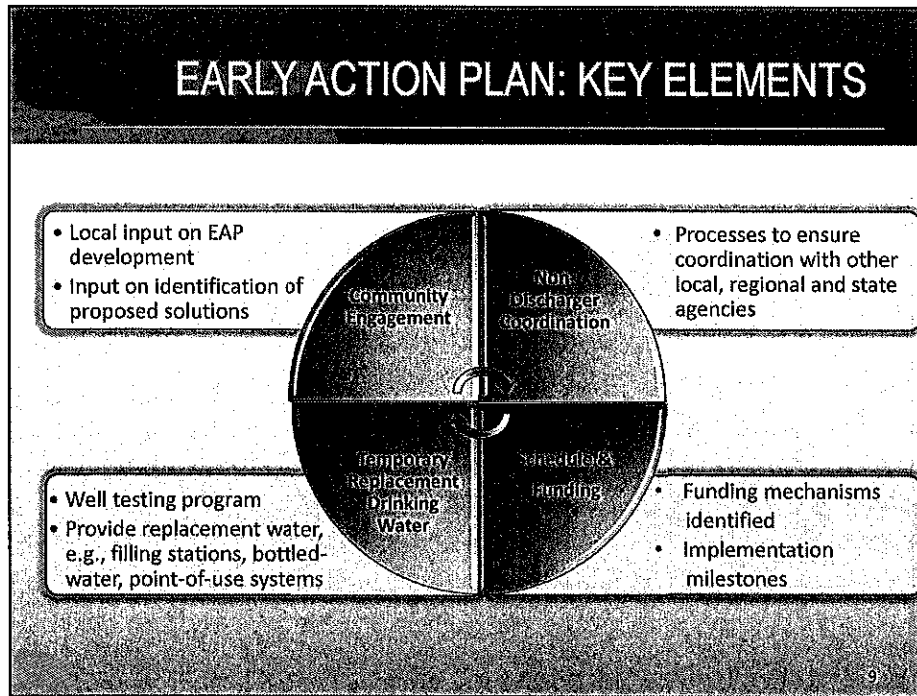
PARTICIPATING INDUSTRIES

- Irrigated agriculture
- Dairy
- Poultry
- Food processing/wineries
- City wastewater treatment
- City landfills/composting facilities
- Small wastewater systems





15



MANAGEMENT ZONES CONDUCT EXTENSIVE OUTREACH

- Conduct virtual outreach to stakeholders and community groups as plans are being developed.

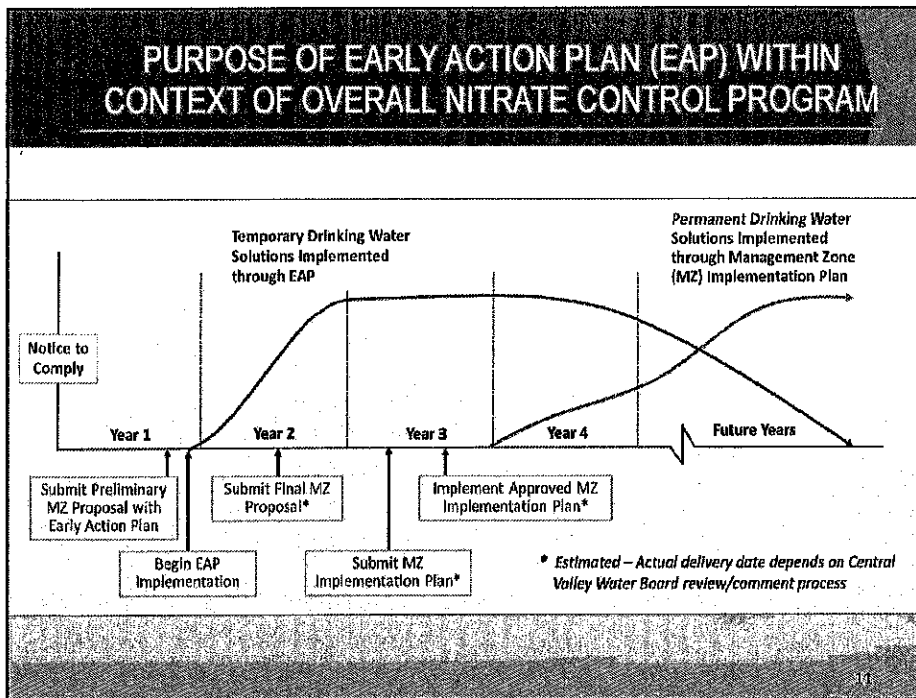
¿Qué es el Nitrato?

- El nitrato es una sustancia química compuesta de Nitrógeno y Oxígeno
- El nitrato puede producirse de forma natural en la atmósfera a través de relámpagos o directamente por seres humanos y animales como producción de dióxido

Uso de Agua embotellada
 Newark Water Foundation

10

52



ESTIMATED BUDGET

➤ FY 22-23	\$25,000 to \$50,000
➤ FY 23-24	\$250,000
➤ FY 24-25	\$500,000

MS

MEMORANDUM

TO: Board Members and Alternates
San Joaquin Valley Drainage Authority

FROM: Gabriel A. Delgado/ Joe McGahan

DATE: October 31, 2022

RE: Management Zone Options

Summary

The SJVDA Board has discussed options for its pathway to compliance with the Regional Board's Nitrate Control Program (NCP) by the creation of a Management Zone. A Management Zone is a formally defined area where the participants agree to provide safe drinking water and manage nitrate levels within its specific boundaries.

This brief memorandum outlines the various options for the SJVDA and Westside San Joaquin River Watershed Coalition (Westside Coalition) participants to comply with the NCP. Currently, the five (5) existing Management Zones from high-priority areas have each formed some form of non-profit and are comprised of members from various industries including agriculture, dairy, food processors, wineries, and municipalities.

The Westside Coalition anticipates that it will receive a Notice to Comply by Summer/Fall of 2023. We need to identify other types of dischargers within our boundaries and make public outreach efforts to develop a plan. This work needs to be done to identify participants within our boundaries and to discover members of a potential non-profit board.

There are three general options for compliance: (1) formation of a non-profit, (2) join an existing non-profit, and (3) create a management zone within the SJVDA. The following briefly are the pros/cons of each approach:

1. Formation of a Non-Profit

This option provides the most control over governance for the SJVDA members; however, will likely result in additional administration and need to add full-time staff for administration and management. A non-profit, like the other Management Zones, would be beneficial in order to be eligible for SAFER and other forms of grant funding, although the other options also allow for such eligibility. The non-profit could coordinate with GSAs for public outreach and data sharing.

2. Join an Existing Non-Profit *least effective*

The Board has discussed joining the Valley Water Collaborative (VWC) for administration of the Management Zone. SJVDA members would benefit through some cost sharing and the experience of VWC in completing/submitted reports and implementation of the plan. The ~~potential~~ downside is lack of control and unfamiliarity with our subbasin.

3. SJVDA/Westside Coalition as Management Zone

The least desirable option would be for the SJVDA or Westside Coalition to create its own Management Zone. There are questions as to whether other non-irrigated agricultural dischargers within the Management Zone boundaries would be able to participate (e.g, dairies and/or food processing facilities) and how that would affect any potential grant funding or funding. Also, there may be potential issues with Prop 218 that need to be addressed for collection of fees/assessments.

SS

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 7/1/2022 to 7/31/2022

Blewett Drain at Highway 132

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Bifenthrin	W	188	7/12/2022	0.0009 =	ug/L	> 1, CGU= 10
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.01 =	ug/L	> 1, CGU= 10
Discharge	W	188	7/12/2022	9 =	cfs	None
Hyalella azteca	W	188	7/12/2022	30 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	188	7/12/2022	3.84 =	mg/L	< 5
pH	W	188	7/12/2022	8.87 =	none	< 6.5 Or > 8.5

Del Puerto Creek at Highway 33

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	4.5 =	cfs	None
E. coli	W	188	7/12/2022	2419.6 >	MPN/100 mL	> 235
Oxygen, Dissolved	W	188	7/12/2022	2.35 =	mg/L	< 5
pH	W	188	7/12/2022	8.93 =	none	< 6.5 Or > 8.5

Del Puerto Creek near Cox Road (WSJRWC)

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	13.5 =	cfs	None
E. coli	W	188	7/12/2022	376.2 =	MPN/100 mL	> 235
Oxygen, Dissolved	W	188	7/12/2022	2.31 =	mg/L	< 5
pH	W	188	7/12/2022	9.18 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	188	7/12/2022	1241 =	uS/cm	> 900

Delta Mendota Canal at DPWD

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	900 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	1.48 =	mg/L	< 5
pH	W	188	7/12/2022	9.1 =	none	< 6.5 Or > 8.5

Hospital Creek at River Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Bifenthrin	W	188	7/12/2022	0.0008 =	ug/L	> 1, CGU= 2
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.0009 =	ug/L	> 1, CGU= 2
Discharge	W	188	7/12/2022	1.8 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	3.35 =	mg/L	< 5
pH	W	188	7/12/2022	9.38 =	none	< 6.5 Or > 8.5

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Wednesday, October 5, 2022

Page 1 of 5

56

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 7/1/2022 to 7/31/2022

Ingram Creek at River Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Bifenthrin	W	188	7/12/2022	0.002 =	ug/L	> 1, CGU= 4
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.0005 =	ug/L	> 1, CGU= 4
Discharge	W	188	7/12/2022	18 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	2.49 =	mg/L	< 5
pH	W	188	7/12/2022	9.58 =	none	< 6.5 Or > 8.5
SpecificConductivity	W	188	7/12/2022	1130 =	uS/cm	> 900

Los Banos Creek @ Hwy 140

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Boron	W	188	7/12/2022	4300 =	ug/L	> 800
Discharge	W	188	7/12/2022	3 =	cfs	None
E. coli	W	188	7/12/2022	2419.6 >	MPN/100 mL	> 235
Molybdenum	W	188	7/12/2022	22 =	ug/L	> 10
SpecificConductivity	W	188	7/12/2022	5792 =	uS/cm	> 900

Los Banos Creek at China Camp Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Arsenic	W	188	7/12/2022	16 =	ug/L	> 10
Boron	W	188	7/12/2022	1500 =	ug/L	> 800
Discharge	W	188	7/12/2022	.55 =	cfs	None
E. coli	W	188	7/12/2022	2419.6 >	MPN/100 mL	> 235
Molybdenum	W	188	7/12/2022	13 =	ug/L	> 10
Oxygen, Dissolved	W	188	7/12/2022	2.4 =	mg/L	< 5
SpecificConductivity	W	188	7/12/2022	1892 =	uS/cm	> 900

Marshall Road Drain near River Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Ammonia as N	W	188	7/12/2022	0.34 =	mg/L	> 0.22 Or > 1.5
Bifenthrin	W	188	7/12/2022	0.3 =	ug/L	> 1, CGU= 500
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.04 =	ug/L	> 1, CGU= 500
Discharge	W	188	7/12/2022	9 =	cfs	None
Hyalella azteca	W	188	7/12/2022	0 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	188	7/12/2022	1.83 =	mg/L	< 5
pH	W	188	7/12/2022	9.14 =	none	< 6.5 Or > 8.5
SpecificConductivity	W	188	7/12/2022	1534 =	uS/cm	> 900

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Wednesday, October 5, 2022

Page 2 of 5

57

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 7/1/2022 to 7/31/2022

Mud Slough Upstream of San Luis Drain

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Bifenthrin	W	188	7/12/2022	0.005 =	ug/L	> 1, CGU= 4
Boron	W	188	7/12/2022	3600 =	ug/L	> 800
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.003 =	ug/L	> 1, CGU= 4
Discharge	W	188	7/12/2022	24 =	cfs	None
Hyalella azteca	W	188	7/12/2022	75 =	%	Significant and < 80 PctControl
Molybdenum	W	188	7/12/2022	16 =	ug/L	> 10
pH	W	188	7/12/2022	8.8 =	none	< 6.5 Or > 8.5
SpecificConductivity	W	188	7/12/2022	4385 =	uS/cm	> 900

Newman Wasteway near Hills Ferry Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	3 =	cfs	None
E. coli	W	188	7/12/2022	1413.6 =	MPN/100 mL	> 235
Oxygen, Dissolved	W	188	7/12/2022	1.1 =	mg/L	< 5

Poso Slough at Indiana Ave

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	3.5 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	1.24 =	mg/L	< 5
SpecificConductivity	W	188	7/12/2022	917 =	uS/cm	> 900

Salt Slough @ Lander Avenue

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	30 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	.8 =	mg/L	< 5

Salt Slough at Sand Dam

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Bifenthrin	W	188	7/12/2022	0.002 =	ug/L	> 1, CGU= 3
Cyfluthrin, Total	W	188	7/12/2022	0.001 =	ug/L	> 1, CGU= 3
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.002 =	ug/L	> 1, CGU= 3
Discharge	W	188	7/12/2022	18.9 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	3.7 =	mg/L	< 5

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Wednesday, October 5, 2022

Page 3 of 5

58

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 7/1/2022 to 7/31/2022

San Joaquin River at Lander Avenue

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Arsenic	W	188	7/12/2022	15 =	ug/L	> 10
Discharge	W	188	7/12/2022	0 =	cfs	None
Molybdenum	W	188	7/12/2022	25 =	ug/L	> 10
Oxygen, Dissolved	W	188	7/12/2022	4.3 =	mg/L	< 5
pH	W	188	7/12/2022	8.85 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	188	7/12/2022	2091 =	uS/cm	> 900

San Joaquin River at PID Pumps

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	32 =	cfs	None
Oxygen, Dissolved	W	188	7/12/2022	1.94 =	mg/L	< 5
pH	W	188	7/12/2022	9.03 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	188	7/12/2022	1573 =	uS/cm	> 900

SJR @ Sack Dam

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	188	7/12/2022	0 =	cfs	None

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Wednesday, October 5, 2022

Page 4 of 5

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 7/1/2022 to 7/31/2022

Westley Wasteway near Cox Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Ammonia as N	W	188	7/12/2022	0.53 =	mg/L	> 0.14 Or > 1.5
Bifenthrin	W	188	7/12/2022	0.004 =	ug/L	> 1, CGU= 2
Cyhalothrin, Total lambda-	W	188	7/12/2022	0.002 DNQ	ug/L	> 1, CGU= 2
Discharge	W	188	7/12/2022	18 =	cfs	None
E. coli	W	188	7/12/2022	1413.6 =	MPN/100 mL	> 235
Hyalella azteca	W	188	7/12/2022	45 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	188	7/12/2022	3.08 =	mg/L	< 5
pH	W	188	7/12/2022	9.73 =	none	< 6.5 Or > 8.5

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Wednesday, October 5, 2022

Page 5 of 5

leo

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 8/1/2022 to 8/30/2022

Blewett Drain at Highway 132

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	189	8/9/2022	7.20 =	cfs	None
Hyaella azteca	W	189	8/9/2022	63 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	189	8/9/2022	3.13 =	mg/L	< 5
pH	W	189	8/9/2022	8.61 =	none	< 6.5 Or > 8.5

Del Puerto Creek at Highway 33

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	189	8/9/2022	9.00 =	cfs	None
E. coli	W	189	8/9/2022	613.1 =	MPN/100 mL	> 235
Oxygen, Dissolved	W	189	8/9/2022	1.19 =	mg/L	< 5
pH	W	189	8/9/2022	9.41 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	189	8/9/2022	1171 =	uS/cm	> 900

Del Puerto Creek near Cox Road (WSJRWC)

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	189	8/9/2022	27.00 =	cfs	None
E. coli	W	189	8/9/2022	387.3 =	MPN/100 mL	> 235
Oxygen, Dissolved	W	189	8/9/2022	0.99 =	mg/L	< 5
pH	W	189	8/9/2022	9.23 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	189	8/9/2022	964 =	uS/cm	> 900

Delta Mendota Canal at DPWD

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	189	8/9/2022	900.00 =	cfs	None
Oxygen, Dissolved	W	189	8/9/2022	1.12 =	mg/L	< 5
pH	W	189	8/9/2022	9.32 =	none	< 6.5 Or > 8.5

Hospital Creek at River Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	189	8/9/2022	45.00 =	cfs	None
E. coli	W	189	8/9/2022	2419.6 >	MPN/100 mL	> 235
Hyaella azteca	W	189	8/9/2022	0 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	189	8/9/2022	2.37 =	mg/L	< 5
pH	W	189	8/9/2022	8.70 =	none	< 6.5 Or > 8.5

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Tuesday, October 25, 2022

Page 1 of 3

61

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 8/1/2022 to 8/30/2022

Ingram Creek at River Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Bifenthrin	W	189	8/9/2022	0.03 =	ug/L	> 1, CGU= 40
Cyhalothrin, Total lambda-	W	189	8/9/2022	0.005 =	ug/L	> 1, CGU= 40
Discharge	W	189	8/9/2022	9.0 =	cfs	None
Esfenvalerate/Fenvalerate, Total	W	189	8/9/2022	0.003 =	ug/L	> 1, CGU= 40
Hyalella azteca	W	189	8/9/2022	0 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	189	8/9/2022	1.79 =	mg/L	< 5
pH	W	189	8/9/2022	9.17 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	189	8/9/2022	1160 =	uS/cm	> 900

Los Banos Creek @ Hwy 140

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Arsenic	W	189	8/9/2022	20 =	ug/L	> 10
Bifenthrin	W	189	8/9/2022	0.005 =	ug/L	> 1, CGU= 2
Boron	W	189	8/9/2022	860 =	ug/L	> 800

Mud Slough Upstream of San Luis Drain

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Boron	W	189	8/9/2022	3100 =	ug/L	> 800
Molybdenum	W	189	8/9/2022	14 =	ug/L	> 10

Newman Wasteway near Hills Ferry Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
E. coli	W	189	8/9/2022	435.2 =	MPN/100 mL	> 235

San Joaquin River at Lander Avenue

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Arsenic	W	189	8/9/2022	11 =	ug/L	> 10
Molybdenum	W	189	8/9/2022	26 =	ug/L	> 10

San Joaquin River at PID Pumps

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Discharge	W	189	8/9/2022	112.00 =	cfs	None
Oxygen, Dissolved	W	189	8/9/2022	0.80 =	mg/L	< 5
pH	W	189	8/9/2022	8.99 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	189	8/9/2022	1377 =	uS/cm	> 900

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Tuesday, October 25, 2022

Page 2 of 3

62

Westside San Joaquin River Watershed Coalition

Water Quality Value Exceedances for the period of 8/1/2022 to 8/30/2022

Westley Wasteway near Cox Road

Analyte/Species	Matrix	Event	Sample Date	Result	Units	WQV
Ammonia as N	W	189	8/9/2022	1.3 =	mg/L	> 0.29 Or > 1.5
Discharge	W	189	8/9/2022	20.30 =	cfs	None
E. coli	W	189	8/9/2022	816.4 =	MPN/100 mL	> 235
Hyalella azteca	W	189	8/9/2022	65 =	%	Significant and < 80 PctControl
Oxygen, Dissolved	W	189	8/9/2022	1.22 =	mg/L	< 5
pH	W	189	8/9/2022	9.15 =	none	< 6.5 Or > 8.5
Specific Conductivity	W	189	8/9/2022	1213 =	uS/cm	> 900

WQV = Water Quality Value as established by the Central Valley Regional Water Quality Control Board

DNQ = Detected, Not Quantifiable

Tuesday, October 25, 2022

Page 3 of 3

43

Row Labels	Sum of Acreage	Connection Issue with Crop
18.05L	634	
Baba Atwal Farms Inc.	73	
SB Ranches, Inc.	319	No Connection
Singh, Rajinder et ux.	80	
Tatla, Jasbir	162	
ZZ - N/A	0	
18.06/60L	437	
Royal Crown Nut Co., Inc.	233	
Sandhu Bros. Farm	127	
SB Ranches, Inc.	77	
19.18L	635	
Sandhu Bros. Farm	41	
Sandhu Bros. Orchard	320	
SB Ranches, Inc.	82	
WMD Farming	192	
20.43L	343	
Miller, Craig	43	
Navarra, C & A Ranch, Inc.	5	
Rodriguez, Raul	22	
Rose Ranch, Inc.	35	
Sandhu Bros. Farm	197	No Connection
Tatla, Jasbir	41	
20.59L	195	
Vernalis Partners, LTD.	195	
20.97R	234	
WMD Farming	234	No Connection (across HWY 132)
21.12R	115	
Sandhu Bros. Farm	115	No Connection (across HWY 132)
ZZ - N/A	0	
21.25L	53	
Brown, Jeff	53	
21.65L	63	
Brown, Jeff	42	
Thoming Farms, Inc.	21	
ZZ - N/A	0	
22.20L	101	
Thoming Farms, Inc.	101	
ZZ - N/A	0	
22.50R-A	13	
Inguanzo, Jose H. & Inguanzo, Adolfo TIC	13	Needs Repair
22.50R-B	265	
WMD Farming	265	
22.50R-C	235	
Koster, A & B Farming, LP	235	

22.78L-G	47	
Tatla & Singh	47	No Connection
22.78L-P	108	
Koster, A & B Farming, LP	108	
23.41L	282	
Navarra, C & A Ranch, Inc.	142	
Thoming Farms, Inc.	140	
23.81L	238	
Ed Thoming & Sons, Inc.	89	
Koster, A & B Farming, LP	149	
23.94R	140	
Koster, A & B Farming, LP	140	
24.38L	471	
WMD Farming	471	
25.02L-A	132	
Rubino, JP LLC.	132	
ZZ - N/A	0	
25.02L-B	160	
Augie's Trucking Service, Inc.	160	
25.02R	185	
WMD Farming	185	
25.02R-A	247	
DSS Company Corp.	141	
Koster, A & B Farming, LP	106	
25.02R-B	0	
ZZ - N/A	0	
25.03R	364	
Granite Construction Co., Inc.	175	No Connection
WMD Farming	189	No Connection
ZZ - N/A	0	
25.03R*	0	
ZZ - N/A	0	
25.18L-A/B	209	
WMD Farming	209	
25.63R-A	57	
Gonzalez, Alfonso	57	
25.63R-B/C	412	
Corral Hollow Cattle Company, LLC	354	
DSS Company Corp.	58	
ZZ - N/A	0	
25.65L	114	
California Soils, Inc.	38	
Recology Blossom Valley Organics - North	76	
ZZ - N/A	0	
26.21R-A	109	
Bobby Yamamoto Farms, Inc.	109	
26.21R-B	169	

65

WMD Farming	169
26.89R-A	153
Basra & Dhillon Farms, Inc.	153
26.89R-B	108
Sandhu Bros. Farm	108 Needs Repair
26.95L	211
Bobby Yamamoto Farms, Inc.	56
Lonetree Creek Vineyards, LLC	115 No Connection
NISRA Farms, LLC	40
27.42L	46
Bobby Yamamoto Farms, Inc.	46
27.80R-A	237
Baba Atwal Farms Inc.	237
27.80R-B	350
Baba Atwal Farms Inc.	39
Sandhu Bros. Farm	311
28.19L	111
Bobby Yamamoto Farms, Inc.	111
ZZ - N/A	0
28.89L	182
Apna Farms	45
Jag Family Farms, LP	92
R & R Farms	45
29.19L-A	152
Sandhu Bros. Farm	152
29.19R-A/B	292
CSC Westley, LLC / 5 Star Vineyard, LLC TIC	292
29.56L	75
Isquierdo, Julian	75
29.95R-A1	49
Adobe Orchards, Inc.	49
29.95R-A1/29.95R-B	59
TriNut Farm Management, Inc.	59
29.95R-A2	91
TriNut Farm Management, Inc.	91
29.95R-B	97
TriNut Farm Management, Inc.	97
29.95R-C	338
TriNut Farm Management, Inc.	338
30.33L	105
Bays Ranch, Inc.	105
30.43R-A	185
Bays Ranch, Inc.	185
30.43R-B	197
Ingram Creek Ranch	197
30.96L	115
Lara, Michael	115

31.31L	141	
J & J California Farms	70	
L2 Farms, LLC	71	
31.60L	100	
Ingram Creek Ranch	10	
TriNut Farm Management, Inc.	90	
31.60R-A	32	
Lara Brothers Farms, GP	32	
31.60R-B	142	
TriNut Farm Management, Inc.	142	
32.36L	116	
Bays Ranch, Inc.	63	
TriNut Farm Management, Inc.	53	
32.38R	78	
Bays Ranch, Inc.	78	
32.38R*	20	
Golden Eagle Farms, LLC	20	No Connection (Limited Water Use)
32.61R	152	
Ingram Creek Ranch	152	
32.62R-A/B	252	
Shiraz Ranch, LLC	252	
32.94L	63	
Schuler & Bays JV	63	
33.07R-A	263	
T.C.A. Properties, Inc.	203	
T.C.A. Properties, Inc.	60	
33.07R-B/C	194	
Schuler & Bays JV	194	
33.71L	83	
Howard Ranch - Westley, L.P.	83	
33.90R-A	181	
Ashley Lane, L.P.	181	
ZZ - N/A	0	
33.90R-B	22	
T & M Farms	22	
34.08L	105	
Ashley Lane, L.P.	105	
34.55L	84	
Bays Ranch, Inc.	84	
34.63R	179	
Bays Ranch, Inc.	179	
35.04R	213	
JEM Ranches, LLC	213	
ZZ - N/A	0	
35.18L	149	
Del Mar Farms	149	
35.73R-A	130	

67

R.C. Capital Investments, LLC	130	
35.73R-B	12	
Lara, Michael	12	
36.01/39L	182	
Lara, Michael	182	
36.01L	156	
Bays, Daniel & Rebecca	50	
Bays, Ken & Michelle	106	
36.45R-A/B	342	
Lucich & Santos Farms	342	
36.68L	424	
Bays Ranch, Inc.	38	
JEM Ranches, LLC	117	
Lucich & Santos Farms	107	
Schuler & Bays JV	124	
Traina Foods, Inc.	38	
ZZ - N/A	0	
37.32L	44	
Arambel, Jeff	44	
37.58/38.15L	0	
ZZ - N/A	0	
37.58L	121	
Lucich & Santos Farms	58	Needs Repair
Lucich & Santos Farms	63	Needs Repair
ZZ - N/A	0	
37.58L/38.80L	0	
ZZ - N/A	0	
38.15R	0	
ZZ - N/A	0	
38.80L	0	
ZZ - N/A	0	
39.20R-A	0	
ZZ - N/A	0	
39.20R-B	24	
Villa Del Lago Merchants Assn.	24	
ZZ - N/A	0	
39.22/78L	52	
Fantozzi, Paul	52	
ZZ - N/A	0	
39.22L	0	
ZZ - N/A	0	
39.78L	20	
Fantozzi, Paul	20	
ZZ - N/A	0	
40.39R-A	42	
LSH Partnership	42	
ZZ - N/A	0	

68

40.39R-B	131
Adobe Orchards, Inc	32
Adobe Orchards, Inc.	44
John W. Hansen Farms	30
LSAO Partnership	25
ZZ - N/A	0
40.45L	0
ZZ - N/A	0
41.03L	0
ZZ - N/A	0
41.03L/41.53L	93
T & M Farms	93
41.53L	197
Maring, Zachary et al	67
T & M Farms	130
41.53R	122
AS Agriculture LLC	122
42.10R	269
Sandhu, Maninder	269
42.50R	299
Royal Crown Nut Co., Inc.	299
42.51L/42.08/41.53L	59
JEM Ranches, LLC	59
42.51L/42.08L	322
JEM Ranches, LLC	322
42.68L	189
Sandhu, Maninder	189
43.22L	783
Brooks, Mark	54
JEM Ranches, LLC	258
T & M Farms	471
ZZ - N/A	0
43.73L	629
JEM Ranches, LLC	162
LAT Farming Trust	153
Mission NSS II, LLC	154
Perez Farms	160
ZZ - N/A	0
44.22L-A	69
Perez Farms	69
44.22L-B	415
T & M Farms	415
44.24R-A	177
Sandhu, Maninder	177
ZZ - N/A	0
44.24R-B	61
Perez Farms	61

69

45.20L	176
Perez Farms	176
45.35R-A/B	124
Perez Farms	124
45.38/46.02/46.83L	665
T & M Farms	665
45.38L	27
Sandhu, Maninder	27
45.78R	466
Royal Crown Nut Co., Inc.	19
Stanislaus County - Solar Development	447
45.79R-A/B/46.02L	456
Sandhu, Maninder	456
46.19R-A/B	33
T & M Farms	33
ZZ - N/A	0
46.83L-A	532
Bays Farming	354
Sardar Ranch	178
46.83L-B	436
McWilliams, Les	10
Perez Farms	426
46.83L-C	466
JEM Ranches, LLC	99
Perez Farms	367
ZZ - N/A	0
47.37L	1154
Bays Farming	311
Calvin Inc.	314
Craven Farming Company, Inc.	158
JEM Ranches, LLC	371
ZZ - N/A	0
47.37R-A/B	351
Perez Farms	217
Pimentel Farms	134
47.87L	239
Craven Farming Company, Inc.	78
Perez Farms	161
47.89R-A	622
Beltran Farms, Inc.	185
JEM Ranches, LLC	437
47.89R-B	214
DePauw Farms	214
48.14L	393
Perez Farms	393
48.60L-A	698
JEM Ranches, LLC	310

Perez Farms	388
48.60L-A/49.43L	89
JEM Ranches, LLC	89
48.60L-B	271
JEM Ranches, LLC	117
Perez Farms	154
48.96R	182
JEM Ranches, LLC	182
49.43L	330
JEM Ranches, LLC	330
49.56R	323
Shiraz Ranch, LLC	323
49.84L	299
Perez Farms	299
50.66L	530
KDR Farms	96
Stewart & Jasper Farming Co.	434
50.70R	81
Shiraz Ranch, LLC	81
50.70R*	234
Shiraz Ranch, LLC	148
State of California - DWR c/o Real Estate B	86
ZZ - N/A	0
51.41/65L	101
California Transplants	101
51.41L	409
Perez Farms	409
51.41L*	6
Perez Farms	6
51.65L	860
Cerutti Bros., Inc.	298
District Bank	20
IDC Farms, Inc.	70
KDR Farms	218
Lara, Michael	10
RDC Farms GP	70
WMD Farming	174
52.02R-A	370
State of California - DWR c/o Real Estate B	370
52.02R-A*	0
State of California - DWR c/o Real Estate B	0
52.02R-B	160
Sabatino, Murphy Jr.	160
52.40L	543
Balam Farms	101
La Fortaleza LLC	40
RDC Farms GP	242

11

Salazar Ranches	160	
ZZ - N/A	0	
53.41L-A	76	
Stewart & Jasper Farming Co.	76	
53.41L-B	42	
Stewart & Jasper Farming Co.	42	
53.41L-C	40	
Stewart & Jasper Farming Co.	40	
53.41L-D	291	
Royal Crown Nut Co., Inc.	226	
Stewart & Jasper Farming Co.	65	
53.64R	301	
Hamlow Farms	62	
Stewart & Jasper Farming Co.	239	
54.01L-A	98	
Stewart & Jasper Farming Co.	98	
54.01L-B	135	
Stewart & Jasper Farming Co.	135	
ZZ - N/A	0	
54.01L-C	165	
Stewart & Jasper Farming Co.	165	
54.01L-G	316	
Backhill Farms L.P.	316	
54.70L	564	
Van Elderen Bros.	564	
55.19L	126	
Royal Crown Nut Co., Inc.	86	
Van Elderen Bros.	40	
55.34R	356	
Davis, Lisa	356	
55.85L	248	
Royal Crown Nut Co., Inc.	248	
55.95R-A/B	99	
Stewart & Jasper Farming Co.	99	
56.80R-A/B	67	
Stewart & Jasper Farming Co.	67	
56.82L	136	
Royal Crown Nut Co., Inc.	136	
56.83L	108	
Amaravati Farms, LLC	108	
56.85L-A	318	
Royal Crown Nut Co., Inc.	318	Needs Repair
56.85L-B	148	
Amaravati Farms, LLC	148	Needs Repair
57.46L	359	
Amaravati Farms, LLC	160	
Sandhu Bros. Orchard	199	

ZZ - N/A	0
57.95R	131
Stewart & Jasper Farming Co.	131
58.26L	86
Sandhu Bros. Orchard	86
58.73R-A	166
Rock' N Almonds	166
58.73R-B	377
K and T Ranch	377
58.90L	156
Borges, Frank J.	15
Garlic City Properties, LLC	43
Gemperle Orchards	92
Sekhon, Gurwinder et al	6 No Connection
59.50R-A	409
K and T Ranch	409
59.50R-B	358
Borges, Frank J.	358
59.50R-C	58
K and T Ranch	58
59.53L	493
Borges & Machado	71
Hooper Ranch Property, LLC	275
Ventura Farms, Inc.	147
ZZ - N/A	0
60.54R-A	290
K and T Ranch	290
60.54R-B	260
Borges, Frank J.	260
61.05L	205
5G Ag Management Inc.	20
Dutch Nuts, Inc.	127
Gomes, John	23
Gonzalez Farms	35
61.37R	124
JEM Ranches, LLC	124
61.84L	164
Esquiviz, Santiago & Elizabeth	20 No connection
URL Farms, Inc.	144
62.08R-A	72
Dhillon Farms & Services, LLC	72
62.08R-B	666
ZZ - N/A	666
62.67L	253
Longhorn Enterprises	19
Singh, Baljinder & Ritu	234
63.96L/64.32L-A	243

22AA Farms, Inc.	243
64.32L-B	88
Stewart & Jasper Farming Co.	88
64.32R*	43
Stewart & Jasper Farming Co.	43
ZZ - N/A	0
64.32R-A	193
Stewart & Jasper Farming Co.	193
64.32R-B	227
Stewart & Jasper Farming Co.	227
64.85L	76
22AA Farms, Inc.	56
Lax Iyer Farms	20
65.35L	168
22AA Farms, Inc.	35
URL Farms, Inc.	133
65.37R-A	147
Stewart & Jasper Farming Co.	147
65.37R-A*	20
Stewart & Jasper Farming Co.	20
65.37R-B	199
ZZ - N/A	199
65.38R	309
ZZ - N/A	309
66.06L	169
22AA Farms, Inc.	147
Dutch Nuts, Inc.	22
66.68L-G	95
Singh Farm Inc.	95
66.68L-P	21
Lara, Michael	21
ZZ - N/A	0
66.73L	182
Naimi's Ranch, Inc.	66
Singh Farm Inc.	116
67.16R/68.03R-A	496
District Bank	496
67.55L	133
Lax Iyer Farms	52
Miri Piri, Inc.	35
Stewart & Jasper Farming Co.	11
URL Farms, Inc.	35
ZZ - N/A	0
68.03L	683
Miri Piri, Inc.	137
SB Ranches, Inc.	546
68.03R-B	279

74

WTS McCabe, LLC	279
N/A	2064
Adobe Orchards, Inc.	98 Fallow
Beltran Farms, Inc.	204 Fallow
Corral Hollow Cattle Company, LLC	71 Fallow
JEM Ranches, LLC	94 Fallow
Lara, Michael	99 Pistachios (across CAAQ)
Lonetree Creek Vineyards, LLC	91 No Connection
McCafferty, Patrick & Lisa	22 Fallow
Royal Crown Nut Co., Inc.	7 55.19L
Shiraz Ranch, LLC	312 Fallow
Stewart & Jasper Farming Co.	216 Fallow
ZZ - N/A	850 No Service
Grand Total	43789

75