

DIXON/SOLANO RCD WATER QUALITY COALITION

ALL MEMBER MEETING

OCTOBER 21, 2026

5:30 PM – 6:30 PM

GROUND RULES FOR ZOOM PARTICIPANTS

- All Zoom participants will be muted for the presentation.
- Unmute yourself for questions at the end of the meeting.
- Use the **Chat** as an alternative way to submit your question.
- Just a reminder we are recording this meeting and will post it to our website.

AGENDA

- Coalition Update
- Finances
- Surface Water
- Groundwater
- Q & A – Questions and Answers





COALITION UPDATE

WATERSHED ORGANIZATIONAL STRUCTURE DIAGRAM

State Water Resources Control Board

↓

Regional Water Boards

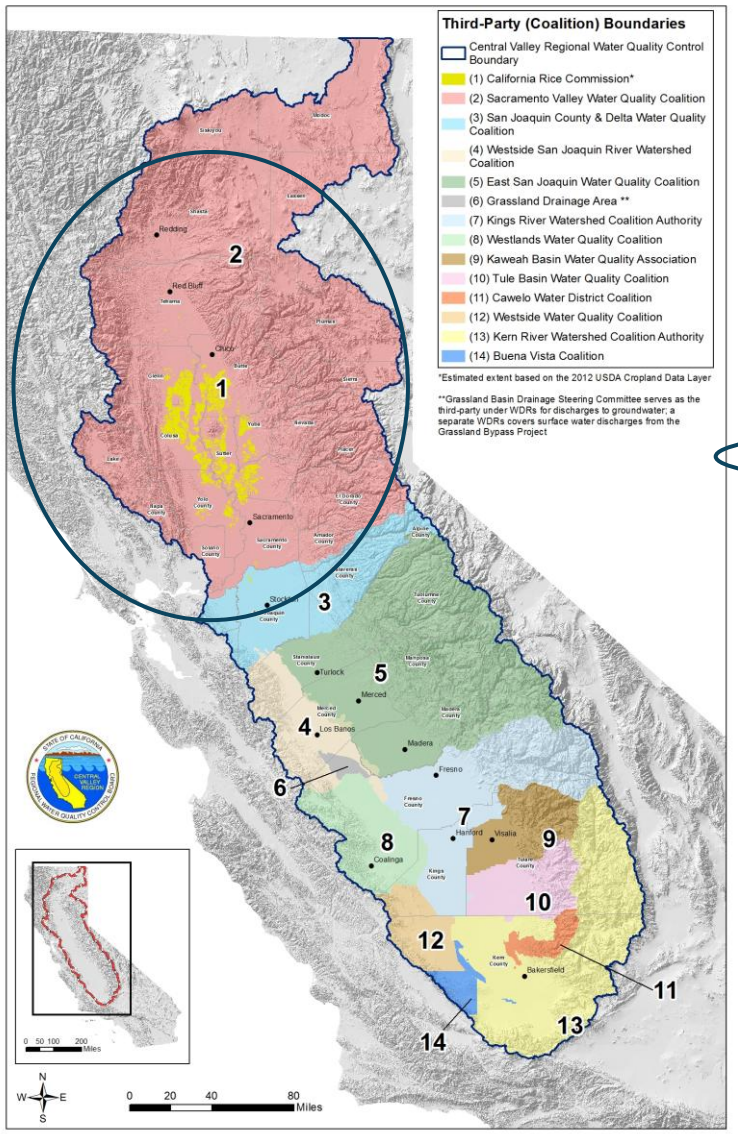
1	North Coast	6	Lahontan
2	San Francisco Bay	7	Colorado River Basin
3	Central Coast	8	Santa Ana
4	Los Angeles	9	San Diego
5	Central Valley		

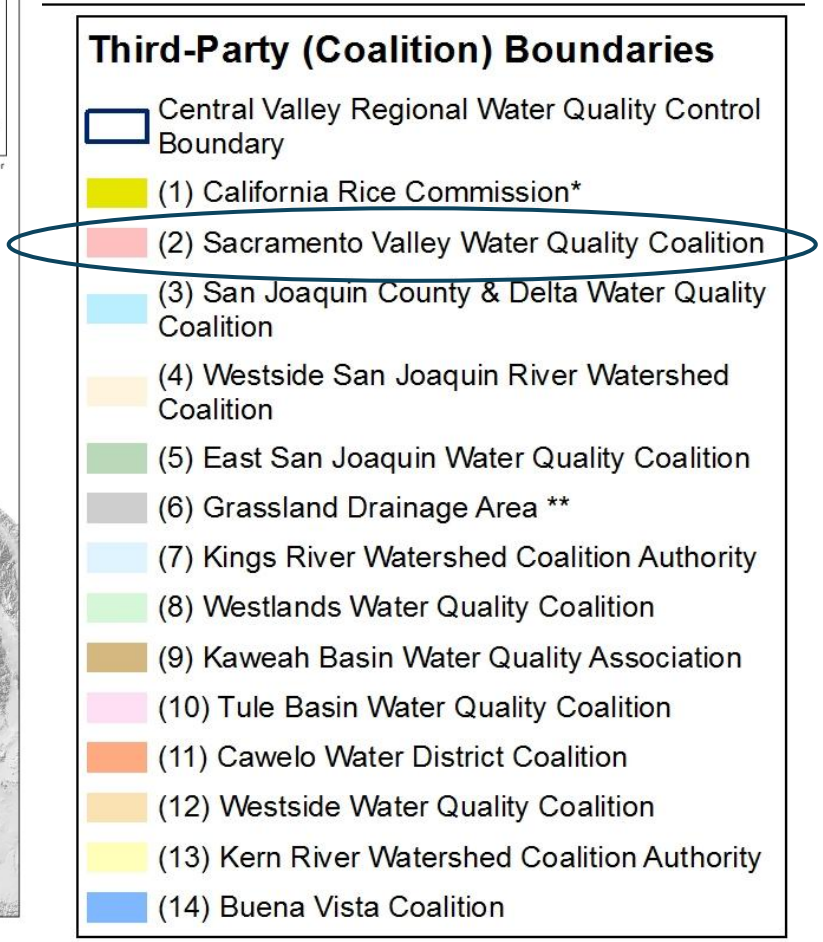
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Central Valley Regional
Water Quality Control Board
Region 5



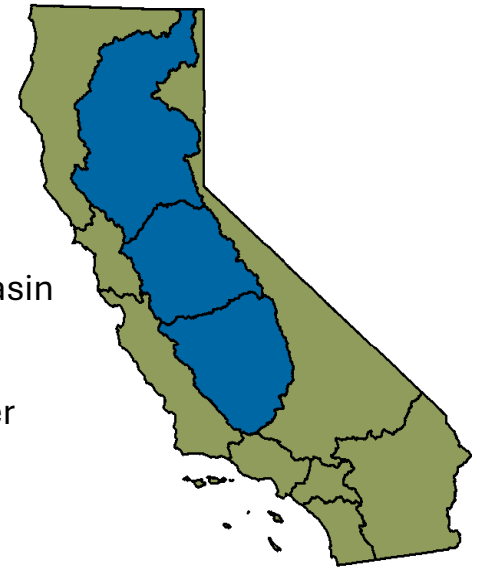
CV REGIONAL WATER QUALITY CONTROL BOARD STRUCTURE





Region 5 is divided into three major watersheds:

- Sacramento River Basin
  - San Joaquin River Basin
    - Tulare Lake River Basin



Sacramento River Basin is the largest watershed in CA with approx. 27,000 sq. miles and 30% of the state's total surface water!

WATERSHED ORGANIZATIONAL STRUCTURE DIAGRAM

- **Regional Board = Regulatory**
- Landowners with commercial agriculture including pasture, nurseries and fresh market have two options:
  - Individual permit
  - Join a Coalition (Group permit)
- **Coalition = Non-regulatory**
- **10 Subwatersheds equals 1,028,318 irrigated acres**

Central Valley Regional Water Quality Control Board
ILRP-Irrigated Lands Regulatory Program
Program started 2002

NCWA-Northern CA Water Agency
Sac-Valley Water Quality Coalition
(SVWQC)
"Group permit" holder



Dixon-Solano | Yolo County | Sac-Amador | Butte-Yuba-Sutter | Colusa-Glenn | Shasta-Tehama | Lake | Napa | El Dorado | PNSSNS

Valley Floor Subwatersheds

Upper Subwatersheds

Dixon/Solano RCD Water Quality Coalition ← Member/Grower

SACRAMENTO VALLEY WATER QUALITY COALITION

- SVWQC has two staff members
  - Bruce Houdesheldt, Director of Water Quality
  - Chelsie Bryden, Program Coordinator

What does the SVWQC do for us? They “fight “ for the subwatersheds

Here are a few notable quests:

- SVWQC works closely with the Regional Board on behalf of all Sac-Valley subwatersheds.
- SVWQC works with third-party consultants for water quality sampling and report writing.
- They lobbied for reduced monitoring in the upper subwatersheds.
- The lobbied for less assessment year monitoring for the Sac-Valley.
- They were instrumental in getting the Goose Lake, Pit River and Feather River subwatersheds exempt from the program.

Scan the QR code to visit the SVWQC website

REGIONAL BOARD TOURS “THE GOOD STUFF”

SVWQC hosts subwatershed tours with Regional Board staff.
Purpose: Highlight farming practices and show the dedication the growers and ranchers in the Sac-Valley have in protecting water quality.

- 2023 Tours:
  - Colusa/Glenn - August 2023
  - Pit River - October 2023

- 2024/2025 Tours:
  - Shasta-Tehama - November 2024
  - Sac-Amador - December 2024
  - Placer Nevada South Sutter North Sacramento - January 2025
  - Dixon/Solano - February 2025

- 2026/2027 Tours:
  - Butte/Yuba/Sutter - June 2026
  - Napa - July 2026
  - TBD

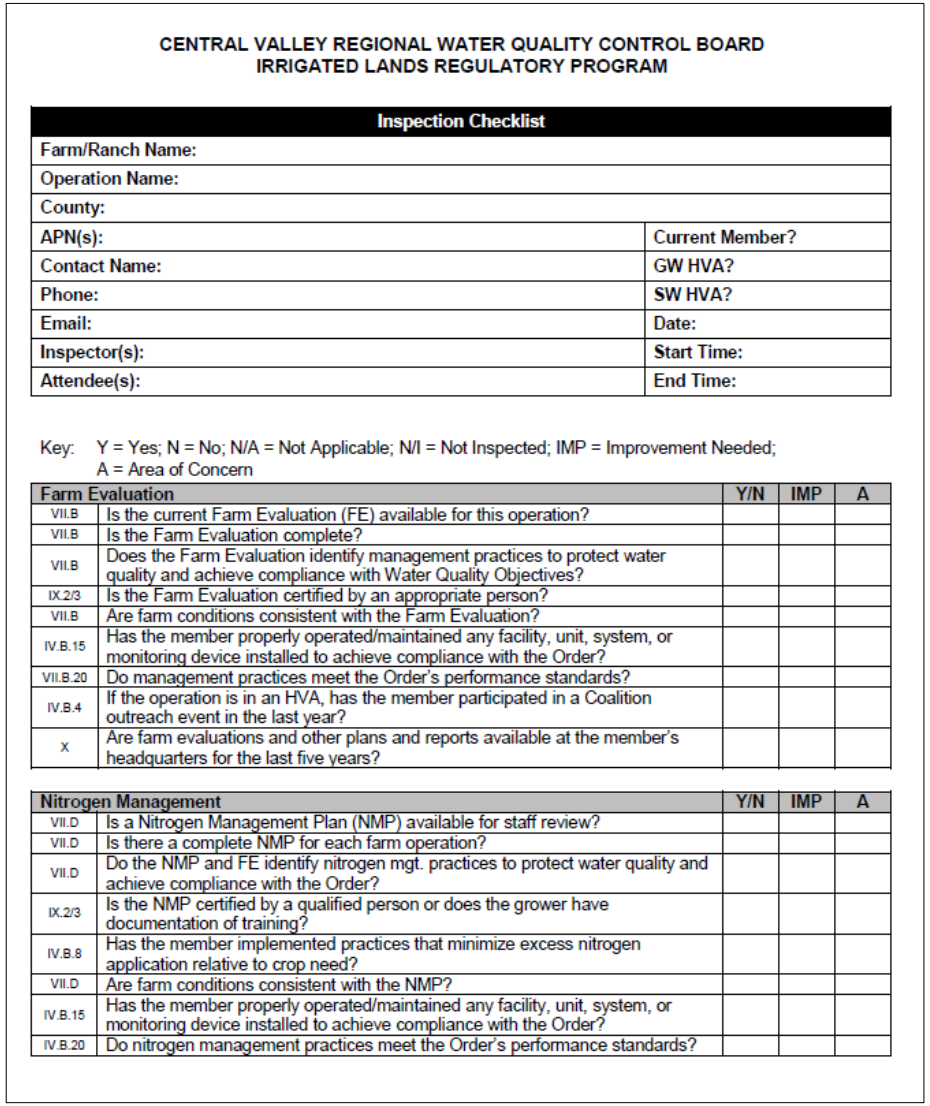
REGIONAL BOARD INSPECTIONS

Different than the tours, an inspection generally results from failure to complete farm reporting or comply with requirements of the ILRP.

Some ways to lessen your likelihood for an inspection from the Regional Board:

- Complete all reporting on-time
- Enroll all parcels subject to the program
- Complete education requirements
- For our current management plan, growers that use pyrethroids, complete the additional training
- Pay membership dues

To review the full copy of the checklist at:
www.dixonrcd.org/forms-checklists



CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD
IRRIGATED LANDS REGULATORY PROGRAM

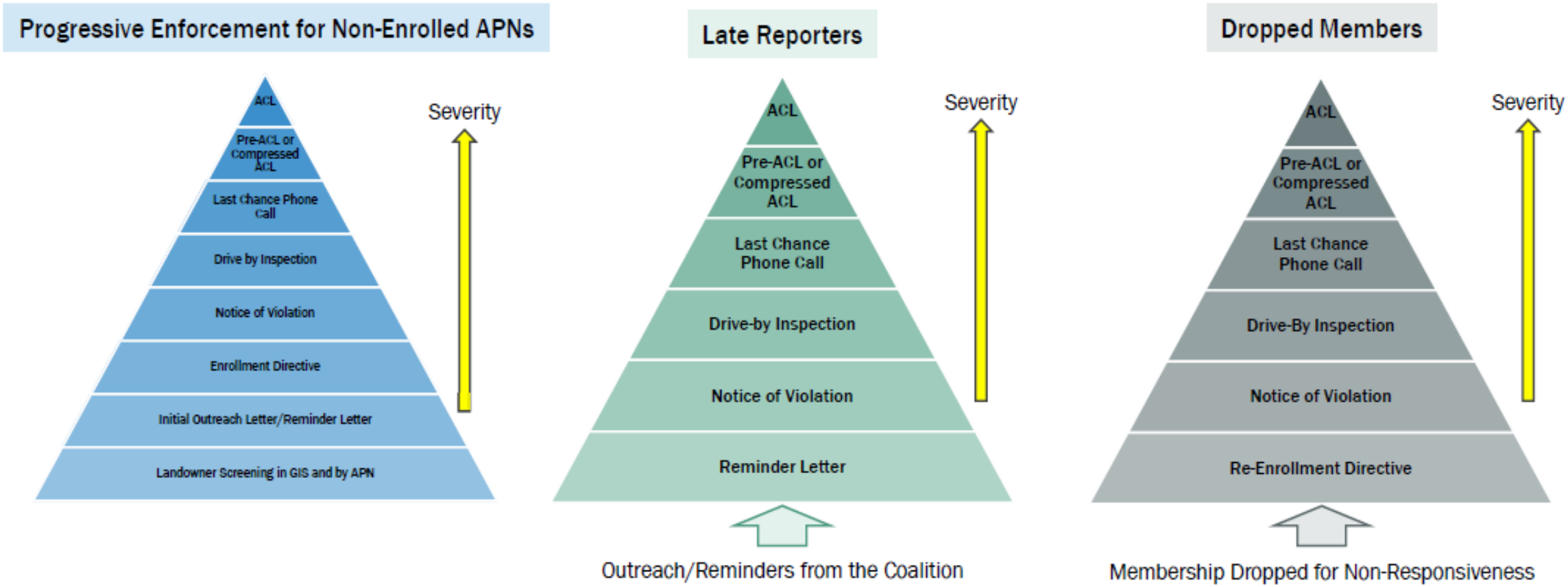
Inspection Checklist	
Farm/Ranch Name:	
Operation Name:	
County:	
APN(s):	Current Member?
Contact Name:	GW HVA?
Phone:	SW HVA?
Email:	Date:
Inspector(s):	Start Time:
Attendee(s):	End Time:

Key: Y = Yes; N = No; N/A = Not Applicable; N/I = Not Inspected; IMP = Improvement Needed; A = Area of Concern

Farm Evaluation		Y/N	IMP	A
VII.B	Is the current Farm Evaluation (FE) available for this operation?			
VII.B	Is the Farm Evaluation complete?			
VII.B	Does the Farm Evaluation identify management practices to protect water quality and achieve compliance with Water Quality Objectives?			
IX.2/3	Is the Farm Evaluation certified by an appropriate person?			
VII.B	Are farm conditions consistent with the Farm Evaluation?			
IV.B.15	Has the member properly operated/maintained any facility, unit, system, or monitoring device installed to achieve compliance with the Order?			
VII.B.20	Do management practices meet the Order's performance standards?			
IV.B.4	If the operation is in an HVA, has the member participated in a Coalition outreach event in the last year?			
X	Are farm evaluations and other plans and reports available at the member's headquarters for the last five years?			

Nitrogen Management		Y/N	IMP	A
VII.D	Is a Nitrogen Management Plan (NMP) available for staff review?			
VII.D	Is there a complete NMP for each farm operation?			
VII.D	Do the NMP and FE identify nitrogen mgt. practices to protect water quality and achieve compliance with the Order?			
IX.2/3	Is the NMP certified by a qualified person or does the grower have documentation of training?			
IV.B.8	Has the member implemented practices that minimize excess nitrogen application relative to crop need?			
VII.D	Are farm conditions consistent with the NMP?			
IV.B.15	Has the member properly operated/maintained any facility, unit, system, or monitoring device installed to achieve compliance with the Order?			
IV.B.20	Do nitrogen management practices meet the Order's performance standards?			

Regional Board Enforcement Efforts



ACL=Administrative Civil Liabilities

MEMBERSHIP TOTALS

Dixon/Solano RCD Water Quality Coalition

- 600 - Members enrolled
- 1,408 - Parcels enrolled
- ~120,000 - Acres enrolled



CROP YEAR 2025 FARM REPORTING

Final results:

- 100% of growers completed their farm reporting
- One member was dropped for non-payment/non-reporting.
- NOV-Notice of Violation for failure to comply with the requirements of the ILRP was sent to that landowner.

CROP YEAR 2026 FARM REPORTING

Reporters will receive a detailed farm reporting email in December

Farm reporting is due: February 15, 2027

- Late fees apply on 02/16/2027
- Late Reporting Fees are 20% of membership fees or $100 whichever is more.

New Coalition Policy:

➢Presented to the Advisory and 2x2 Committees in May 2026

➢Adopted by DRCD and SRCD Boards in June 2026

- If farm reporting is not received or is incomplete by July 1st, the parcel will be dropped from the program.
  - RB enforcement will begin.
  - Reinstatement fees apply.

WHO NEEDS TO REPORT?



All Members/Reporters

What if:

- Fallow?
- Nothing changed?
- Non-bearing?
- Failed crop?

All of the above scenarios require some level of reporting.

Please do not ignore annual farm reporting, call us if you have any questions.

REMINDER ABOUT ZERO ACRES

All crops must have farmable acreage or enter one of the three “Fallow” options:

- ❑ Fallow-In transition (Orchard replacement, vineyard replacement, rotation, or crops such as winter wheat, triticale, and other hays and grasses that are not irrigated.
- ❑Fallow-No Water (Due to drought or allocation)
- ❑Fallow-No Operator (Not farming the land, unable to find tenant or tenant left with short notice, etc.)
- Please do not enter zero acres on the cropping page other than “Fallow”.
- If the land is not irrigated nor can it ever be irrigated, it is considered dry farmed and it should not be enrolled in the ILRP. This is different than “Fallow, No water.”
- If the land is irrigated (regardless of the water source) anytime within 5 years, the parcel must remain enrolled with the farmable acreage.
- Enter Fallow-In transition so the system will keep the irrigated acreage for proper billing and the INMP Summary Report will not be required

NURSERY FARM REPORTING



Nurseries are required to complete farm reporting

Also, market fresh produce, farmer's markets etc.

INMP Summary Report:

- Enter the number of containers or sellable units
- Enter lbs./acre of nitrogen used for yield unit.

- To read the letter from the Executive Officer of the Central Valley Water Quality Control Board about nurseries visit, www.dixonrcd.org/inmp-reporting-for-nurseries

INMP SUMMARY REPORT

IRRIGATION AND NITROGEN MANAGEMENT PLAN SUMMARY REPORT

Accuracy matters! This data calculates your Grower Feedback Reports (A report that compares your nitrogen use to other growers).

Be sure nitrogen use is nitrogen only in lbs./per acre

Be sure yields are calculated in field unit/per acre

If you do not have a yield, you must enter a reason.

Dropdown:

✓Non-bearing

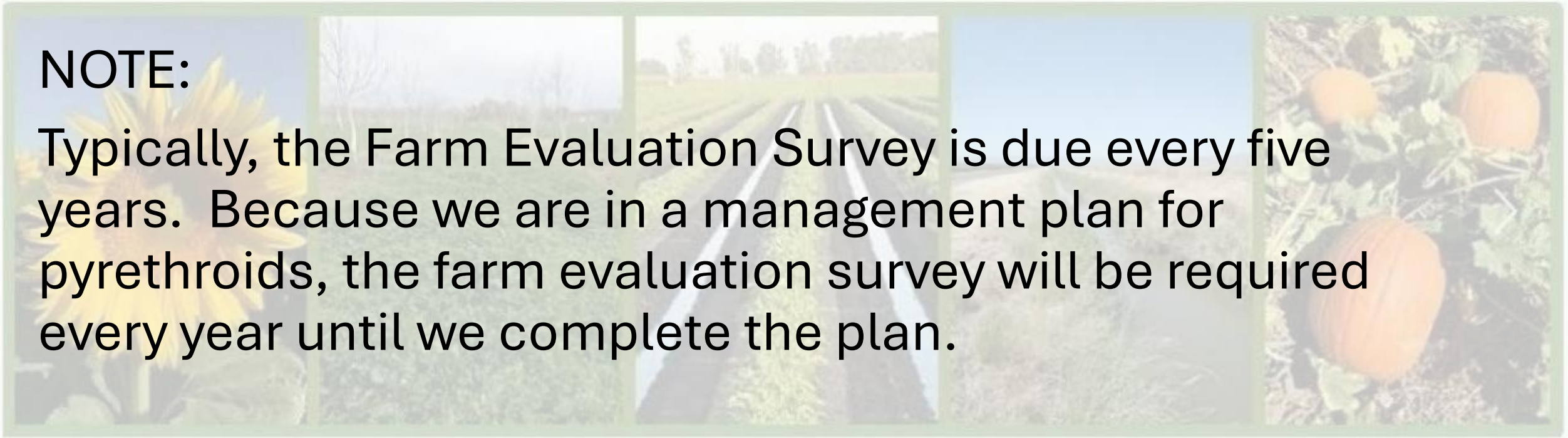
✓Crop failure (need notes)

✓No yield (need notes)

Non-bearing vs. zero or low yield: For zero or low yields. Please provide a reason in the notes.

- Examples of previous notes from growers: Frost, heat damage, flood damage, infestation, did not harvest due to cost, partial orchard harvested, etc.

FARM EVALUATION SURVEY



NOTE:

Typically, the Farm Evaluation Survey is due every five years. Because we are in a management plan for pyrethroids, the farm evaluation survey will be required every year until we complete the plan.

- The earliest that the management plan can be completed is August 2028, provided we have zero pyrethroids exceedances at the Ulatis Creek/Brown Road monitoring site.

DMT – DATA MANAGEMENT TOOL

Do you still have your login? If not, contact us ASAP.

If you are a new member that did not report in crop year 2025, your login will be sent to you this reporting year in a detailed letter/email.

If you are an owner with a reporter (tenant) who completes your farm reporting, they have a separate login.

VISIT: dixonrcd.org/irrigated-lands

Click on the green button to take you to the login portal.



Remember you can always make an office visit appointment Monday through Thursday with Martha to complete your farm reporting.

Please don’t wait until the last week or day for help!

STAFF



Dixon RCD

- Kelly Huff, District Manager
- Martha McKeen, Program Coordinator
- Joanna Yac, Office Manager

Solano RCD Staff- We partner with the staff of Solano RCD throughout the year for technical assistance on local projects, field studies and education events.

BOARD MEMBERS

DIXON RCD

- David Viguie
- Spencer Bei
- Eric Schene
- Daniel Jones
- Alexis Harvey
- Jim Campbell, Associate
- Leo Soukeris, Associate

Meetings: 2nd Tuesday at Noon

SOLANO RCD

- Kurt Balasek
- Paul Lum
- Randi Thompson
- Kathie Stutz
- Chris Calvert
- Glenda Riddle
- Chris Garcia

Meetings: 3rd Thursday at 5 pm

COALITION ADVISORY COMMITTEE

- Kurt Balasek (SRCD)*
- Sam Beukelman
- Bruce Brazelton
- Paul Lum (SRCD)*
- Cork McIsaac – Rep. for Sac Valley
- David Viguie (DRCD)*
- Alexis Harvey (DRCD)*
- Herb Wimmer

Meetings: Once a year in May or June

*2x2 Committee

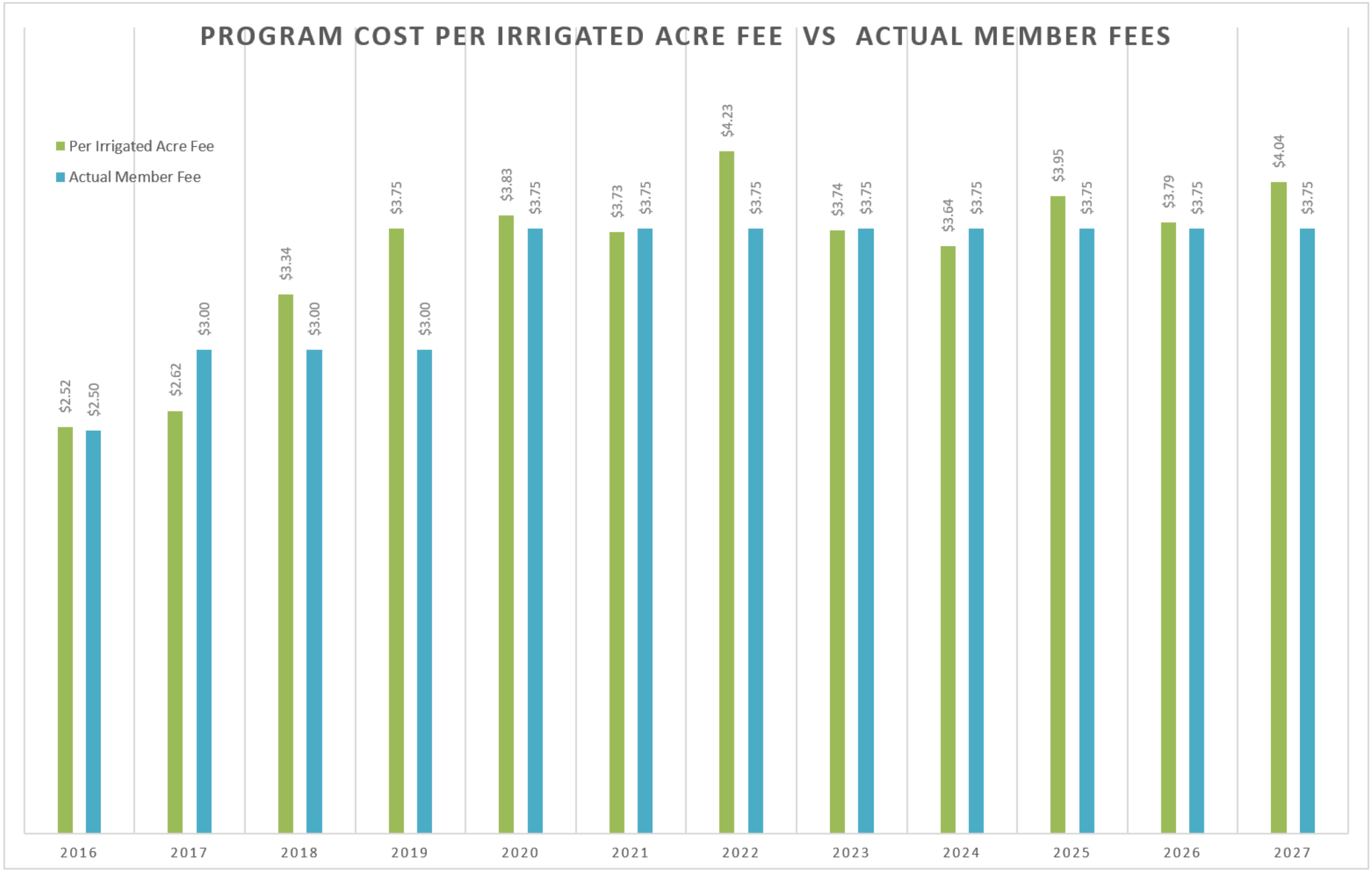
- If you are interested in being part of the Coalition Advisory Committee, please contact Martha.



FINANCES

MEMBERSHIP FEES

- Invoices sent on October 9th, due on December 9th
- Fees are $3.75 per irrigated acre… NO CHANGE from last year. Fee has not been increased for 7 years, even with increases to State Fee.
- Pasture - No nitrogen applied from the previous year had a credit added to the invoice.
- Remember we take online payments!
  - There is a 2.50% service fee to the user with a $2.99 minimum.



Green=Overall cost of the program

Blue= What the member was actual billed per irrigated acre

FY 2022, 2025

Assessment Years

FY 2023, 2024, 2026, 2027

Non-Assessment

FY 2028 Assessment Year

Anticipated to have increase costs in monitoring fees

WATER QUALITY BUDGET

FY 2026 actual ending fund balance = $246,600 anticipated $207,500

Why such a large difference in ending balance?

- Budgeted $1.61 State fees, actual $1.50
- Used less staff time
- Grant funds offset staffing cost
- Carryover from SVWQC of $27,700 of the previous year

FY 2027 is a non-assessment year for water quality

Enrolled acres remain steady and the budget is stable.

Budgeted total funds available $693,100

Budgeted State fees are $1.58

- Budgeted expenses $508,000
- Net position of -$51,800
- Projected ending fund balance for June 30, 2027 of $185,100

For details about the water quality budget contact Martha at (707) 678-1655 x103

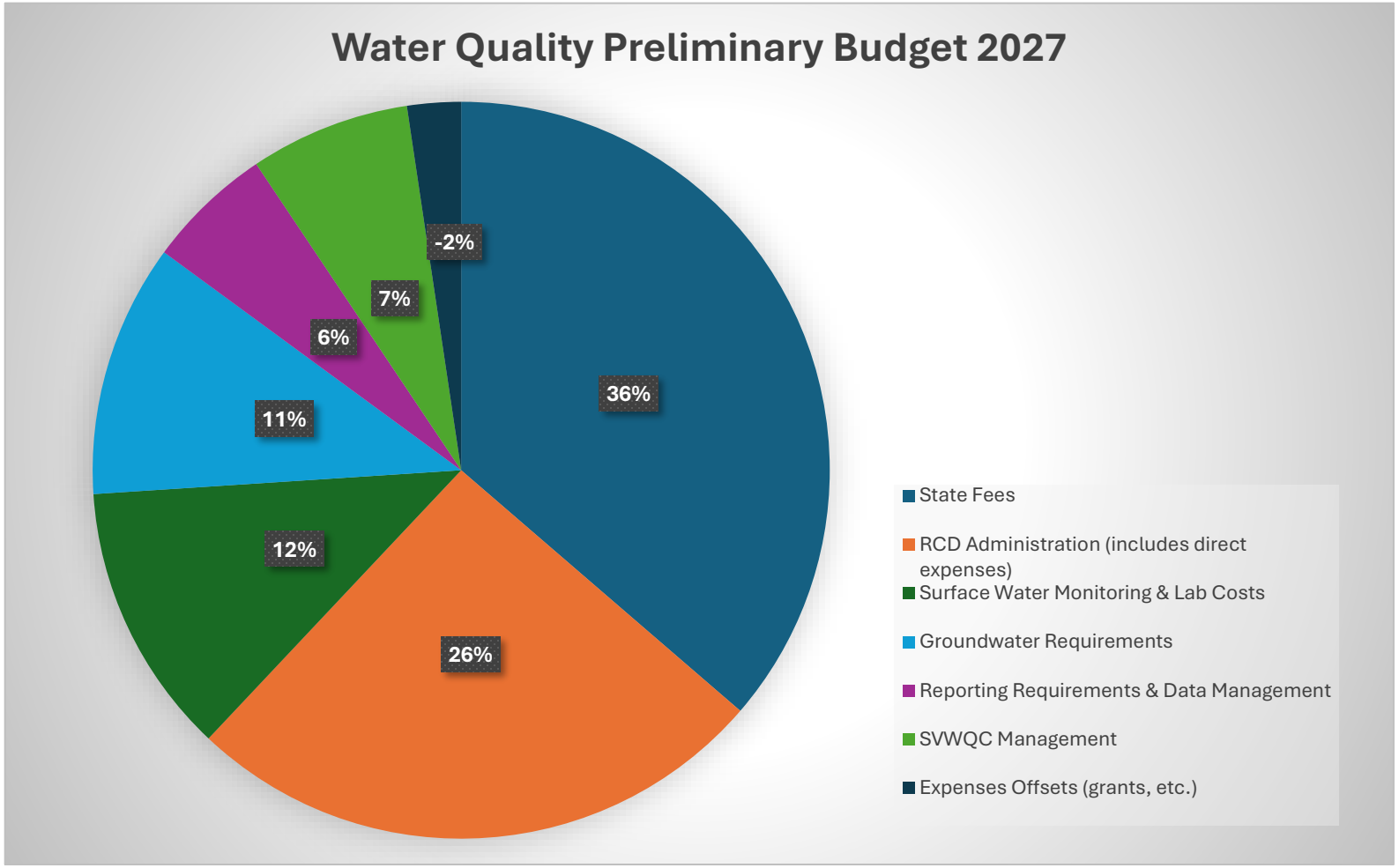
WATER QUALITY PROGRAM EXPENSES

Top 3 Expenses

#1-State fees 36%

#2-Program administration 26%
(Direct expenses = staff, office, postage, audit, mileage, rent, marketing, software licenses, website, meetings.)

#3-Water quality monitoring 23%





SURFACE WATER


D/S RCD WQC Monitoring Sites
Revised: July 2026
Legend
PSCLD-Integrated Monitoring Site
Trend Monitoring Wells
UCBRD-Representative Monitoring Site
Z-Drain-Special Project Monitoring Site
PSCLD
Trend Well #2
Z-Drain
Trend Well #1
UCBRD
Google Earth
Image © 2026 Airbus
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SEDIMENT TOXICITY/WATER COLUMN

MANAGEMENT PLAN - Ulatis Creek at Brown Road Monitoring Site

Exceedances:

Sediment toxicity exceedances:

- April 17, 2018 - Lambda-Cyhalothrin
- April 18, 2019 - Lambda-Cyhalothrin, Bifenthrin
- April 21, 2022 - DNQ*
- April 16, 2025 - DNQ*
- (DNQ-Detected not quantified: Pyrethroid was detected above the water quality objective without a specific measured amount to quantify, still qualifies as an exceedance)

Water column exceedances:

- June 23, 2021 - Lambda-Cyhalothrin
- December 17, 2024 - Bifenthrin, Lambda-Cyhalothrin, Cyfluthrin, Esfenvalerate
- May 20, 2025 - Bifenthrin



PYRETHROIDS SAMPLING - DATES FOUND

December:

Found in the sample:

- Bifenthrin
- Lambda-Cyhalothrin
- Cyfluthrin
- Esfenvalerate
- Imidacloprid*

January:

Found in the sample:

- Bifenthrin
- Imidacloprid*

April, May, and June:

Found in the sample:

- Bifenthrin
- Lambda-Cyhalothrin

September:

Found in the sample:

- Bifenthrin
- Lambda-Cyhalothrin

*Imidacloprid is not a pyrethroid. It is a pesticide used in Ag and listed due to the recently announced new water quality monitoring trigger limits which could possibly lead to exceedances in the future.

For trade names: www.dixonrcd.org/bmp-for-pesticides

SURFACE WATER MPIR

- Surface Water Management Plan Implementation Report (MPIR)

*AKA: Pesticide management in the DMT - data management tool

- It is required and triggered by our sediment toxicity/water column management plan
- Q1 asks if you applied pyrethroids to your crops?
  - If yes, then complete the survey, type of pyrethroid used, irrigation and sediment run-off practices used.
  - If no, sign the form and there is no survey to complete.
- Required through 2028 and/or when the management plan is complete.



WATER QUALITY MONITORING

To complete the management plan: No exceedances at the Ulatis Creek monitoring site through August 2028

- Water Year (WY) 2026 = October 1, 2025-September 30, 2026, zero exceedances.

Thank you, growers, for using BMPs when applying pyrethroid pesticides.

- WY 2027 = October 1, 2026-September 30, 2027, non-assessment year

- WY 2028 = October 1, 2027-September 30, 2028, assessment year and the surface water costs are projected to increase for additional requirements which include sampling & lab costs, written reports and consultant fees.

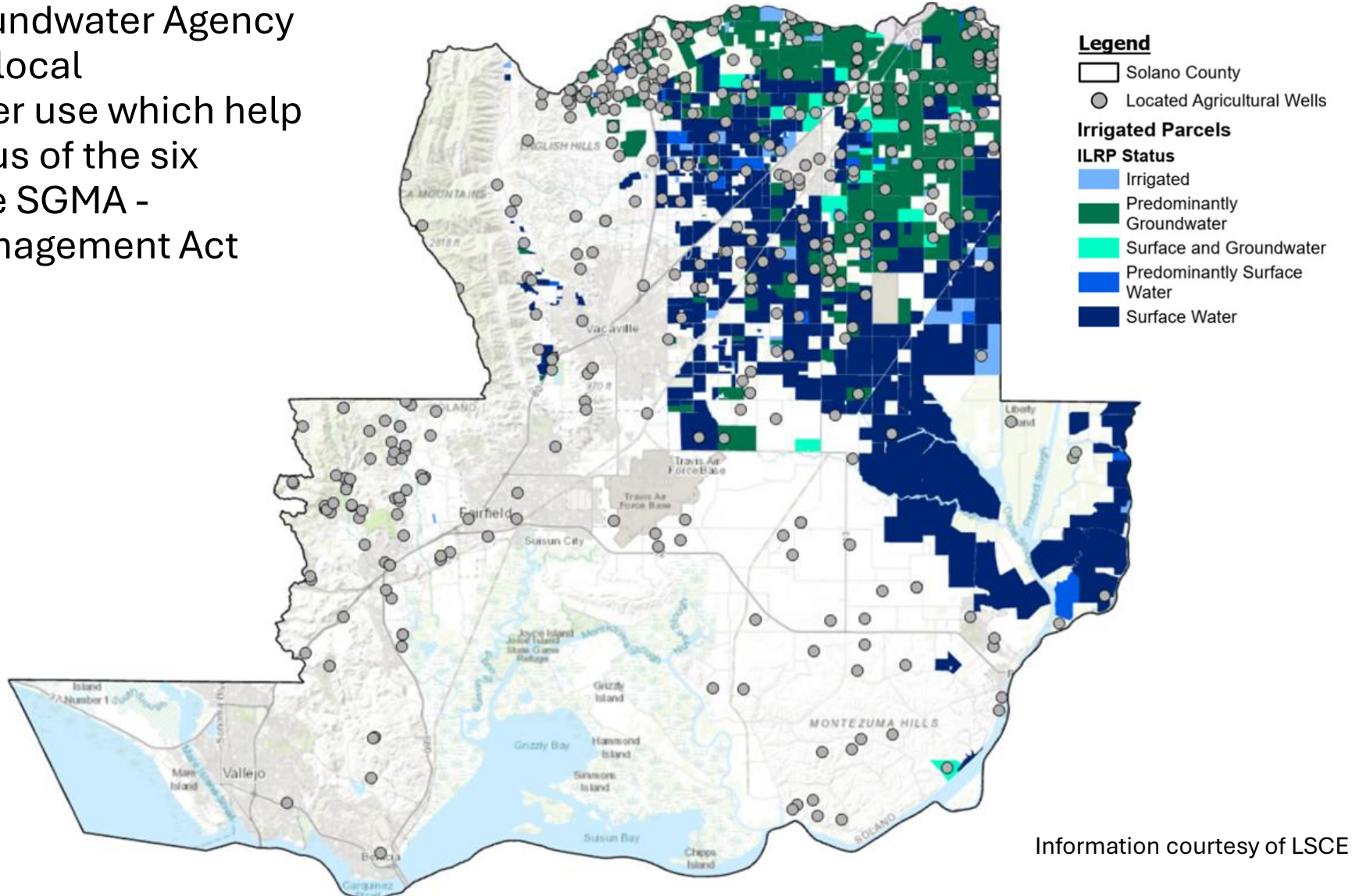


GROUNDWATER

COLLABORATION WITH SOLANO GSA

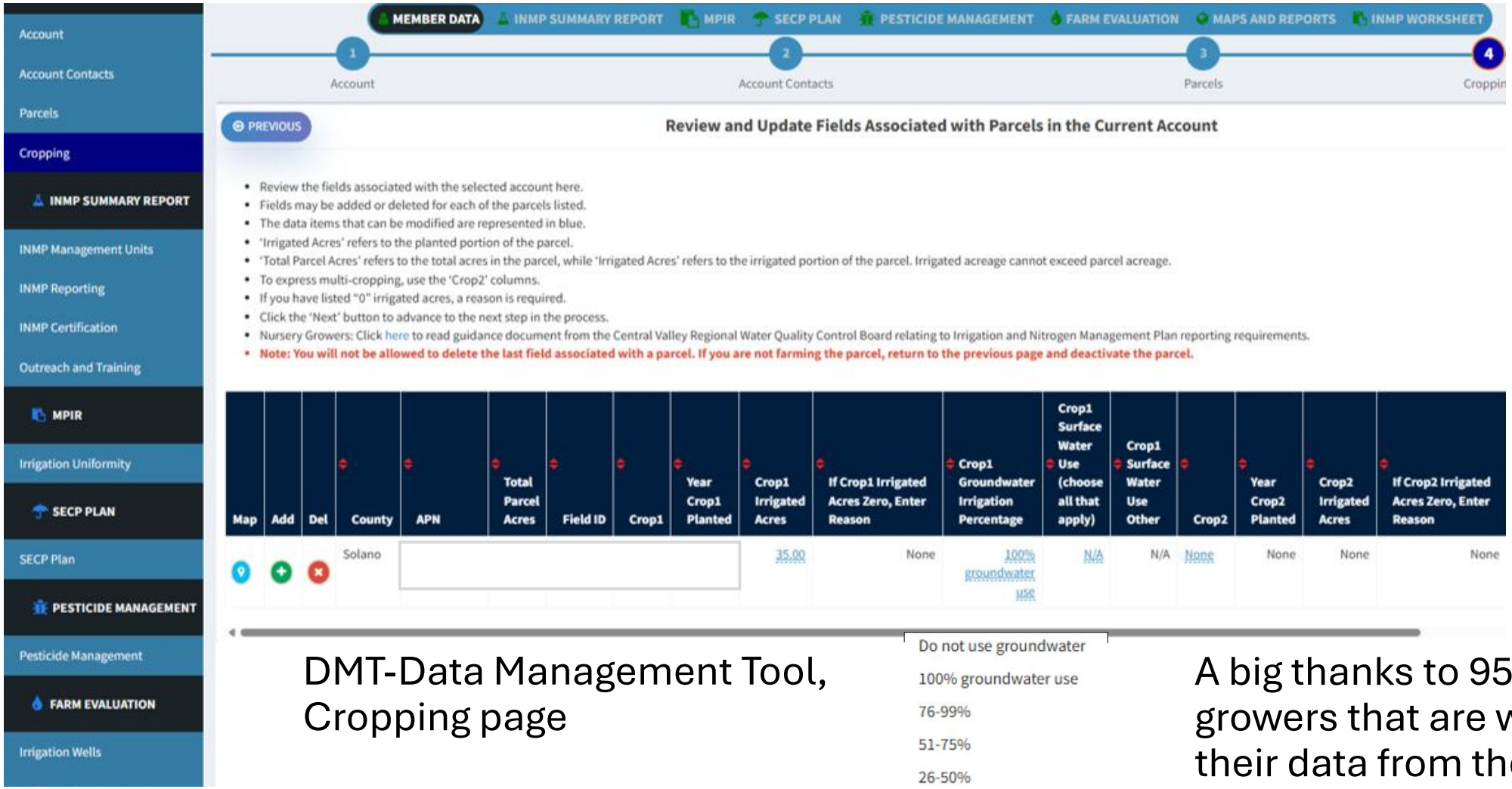
Help Solano Sustainable Groundwater Agency (GSA) with information about local groundwater and surface water use which help provide data gaps for the status of the six sustainability indicators of the SGMA - Sustainable Groundwater Management Act requirements.

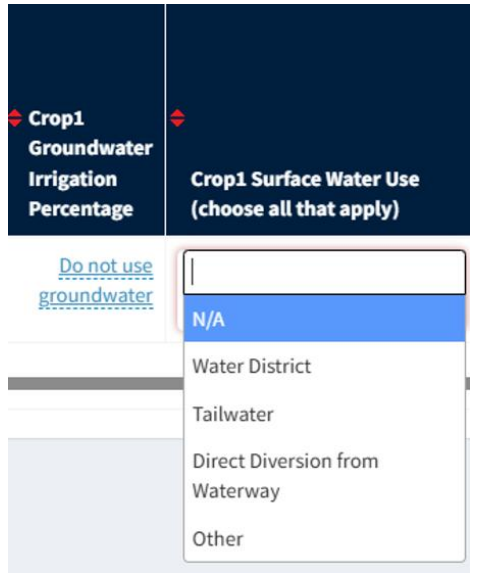
- Chronic lowering of groundwater levels
- Reduction of groundwater storage
- Seawater intrusion
- Water quality degradation
- Land subsidence
- Depletion of interconnected surface water



Information courtesy of LSCE

WATER USAGE IN SOLANO COUNTY





DMT-Data Management Tool, Cropping page

A big thanks to 95% of the growers that are willing to share their data from the DMT.

DRINKING WATER WELLS

Parcels enrolled in the Coalition with active drinking water wells must have the water tested for nitrates.

For more information, visit:

www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/drinking_water/

QR Code for the Dixon RCD Website-Drinking Water Monitoring Page

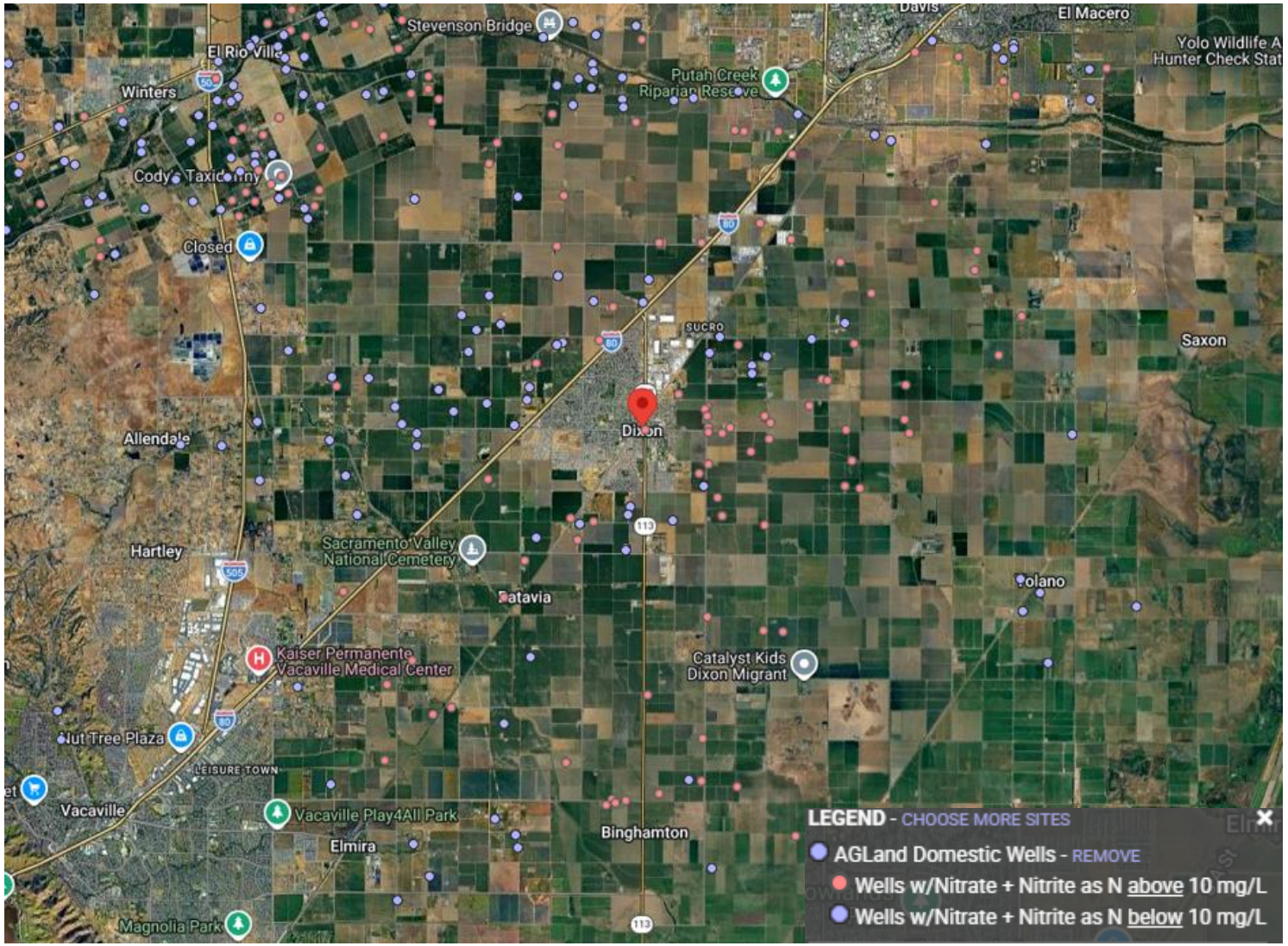
Drinking Water Well Sampling Guidelines:

After three years of consecutive samples...

- If all results are less than 8mg/L, sampling is reduced to every five years;
- If sample results are between 8mg/L - 10mg/L, continue to sample annually;
- If the sample exceeds 10mg/L, notification is required to the user and Regional Board, then no further sampling is required.

(Safe drinking levels are 10mg/L or less, nitrate + nitrite as nitrogen.)

STATE'S DATABASES - GEOTRACKER



Click on a "dot" for the well sampling results.

Chemical	PARVQ	Result	Units	Sample Date
Nitrogen, Nitrate-Nitrite	=	7.9	MG/L	5/18/2023
Nitrogen, Nitrate-Nitrite	=	6.4	MG/L	5/29/2024
Nitrogen, Nitrate-Nitrite	=	7	MG/L	7/16/2025

GeoTracker Tutorial

GeoTracker Database

www.dixonrcd.org/drinking-water-well-monitoring

CV SALTS RECAP AND UPDATE

- Central Valley Water and the State Water Boards approved the CV Salts and Nitrate Control Program (**Central Valley Salinity Alternatives for Long-term Sustainability**)
- Goal: To provide safe drinking water to residents in areas where nitrates exceeds the drinking water standards.
- Areas of California have been prioritized based on the water quality.
- This program is separate from the Irrigated Lands Program.
- Prioritized areas required to create a plan to manage nitrate discharges to reduce or eliminate impacts to groundwater.

CV-SALTS

Priority 1 Area (Red) Notice to Comply - May 29, 2020

Priority 2 Area (Gold) Notice to Comply - December 29, 2023

Remaining Areas (Green) Not prioritized

- Solano County is not prioritized
- Yolo County is in a Priority 2 basin

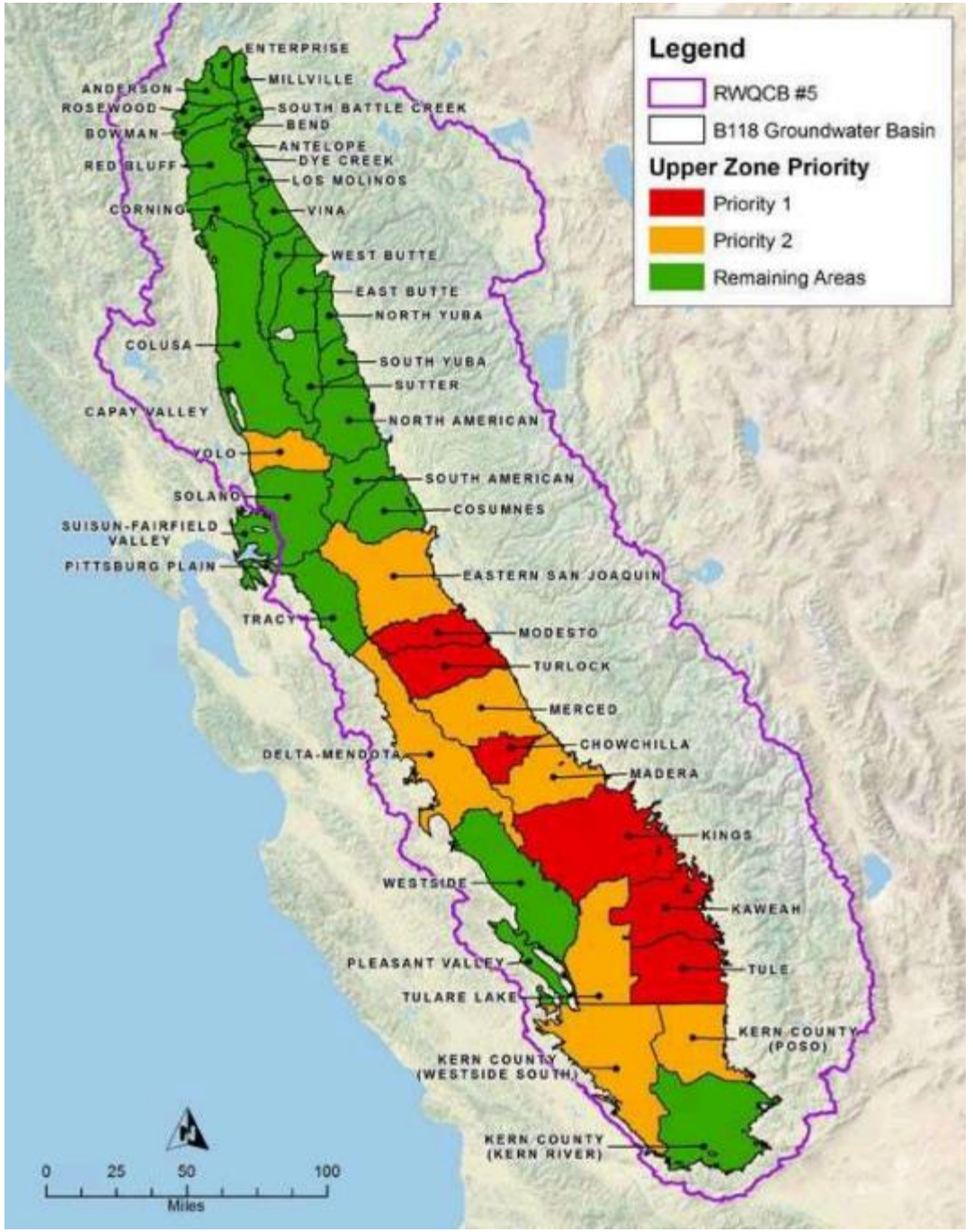
Learn more:

CV-SALTS 2026: Implementing Nitrate Solutions and Long-Term Salt Management

Webinar: October 29, 2026 at 11:00 AM

https://us02web.zoom.us/webinar/register/3917885388712/WN_IOCmjgQuTxavZJQ04jgEwA#/registration

Also, details are in the annual newsletter emailed on October 8th



WELLHEAD PROTECTION

Protect groundwater by providing wellhead protection

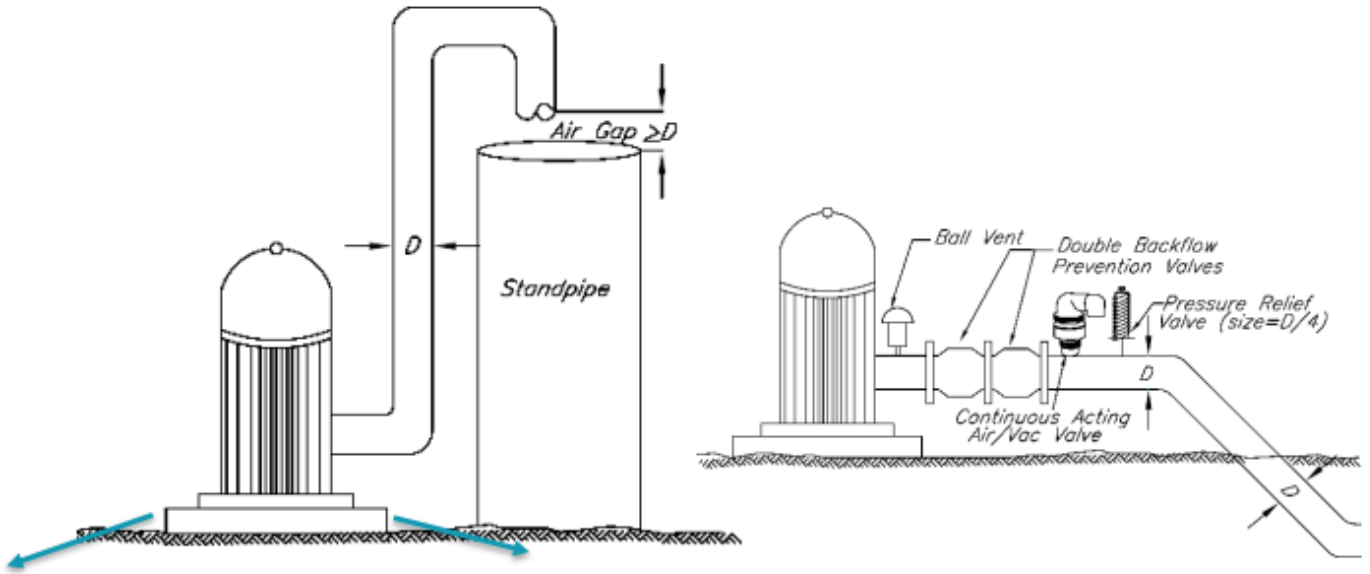
- Ground sloped away from wellhead
- Standing water avoided around wellhead
- Good housekeeping practices
- Air-gap (non-pressurized systems)
- Backflow prevention value/check value
- Cement (concrete) pad

Abandoned Wells

- Properly decommissioning a well

Well ID (A unique name of your choice)	Wellhead Protection Practices					
	Ground Sloped Away from Wellhead	Standing water avoided around wellhead	Good Housekeeping Practices*	Air Gap (for non-pressurized systems)	Backflow Preventive / Check Valve	Concrete ~~Cement~~ Pad

*Good housekeeping practices include keeping the area surrounding the wellhead clean of trash, debris and any empty containers.



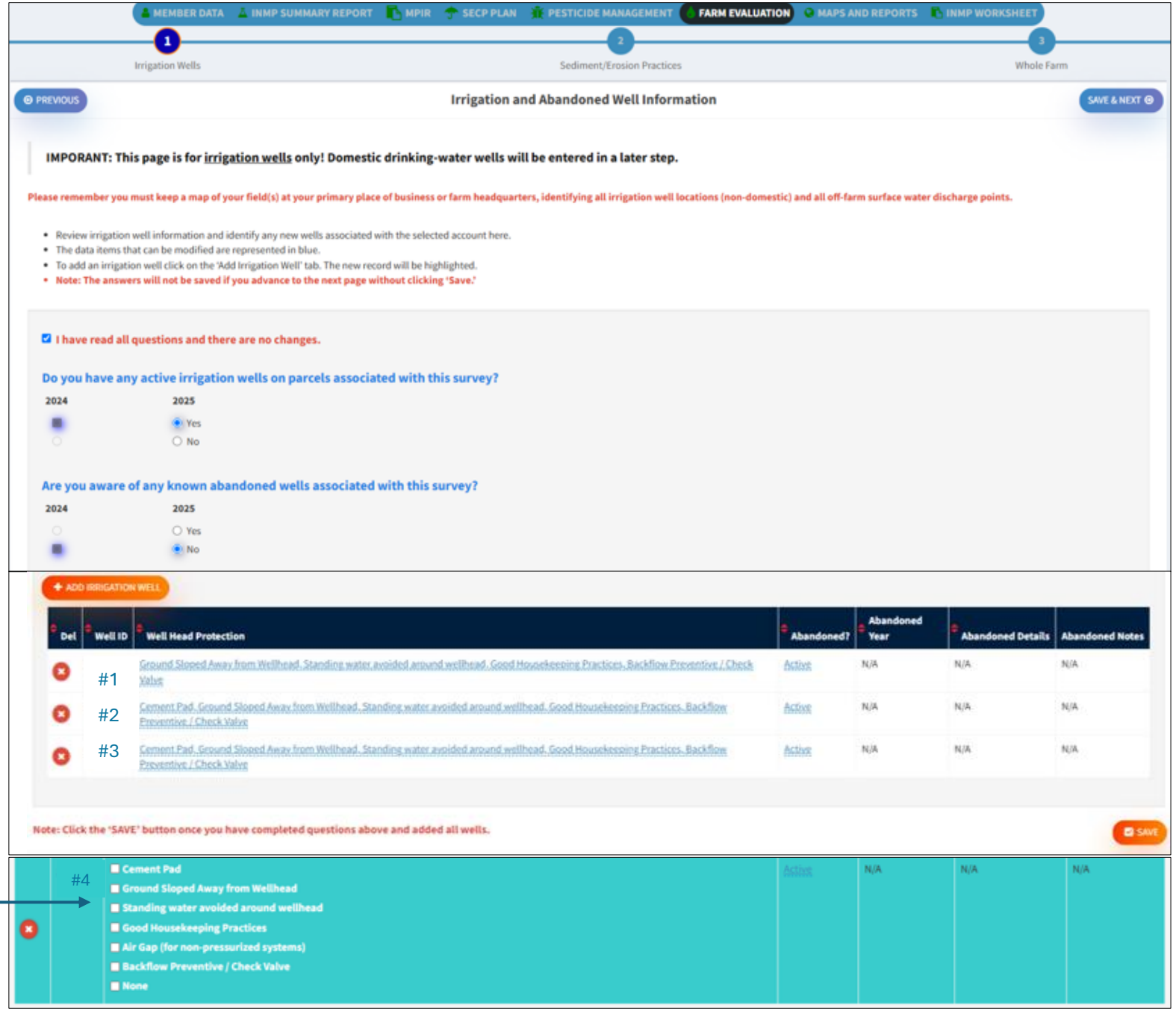
Well ID (A unique name of your choice)	Abandoned Well Practices			
	If abandoned, year abandoned	Destroyed – certified by county	Destroyed by licensed professional	Destroyed - Unknown method

Picture courtesy of NRCS

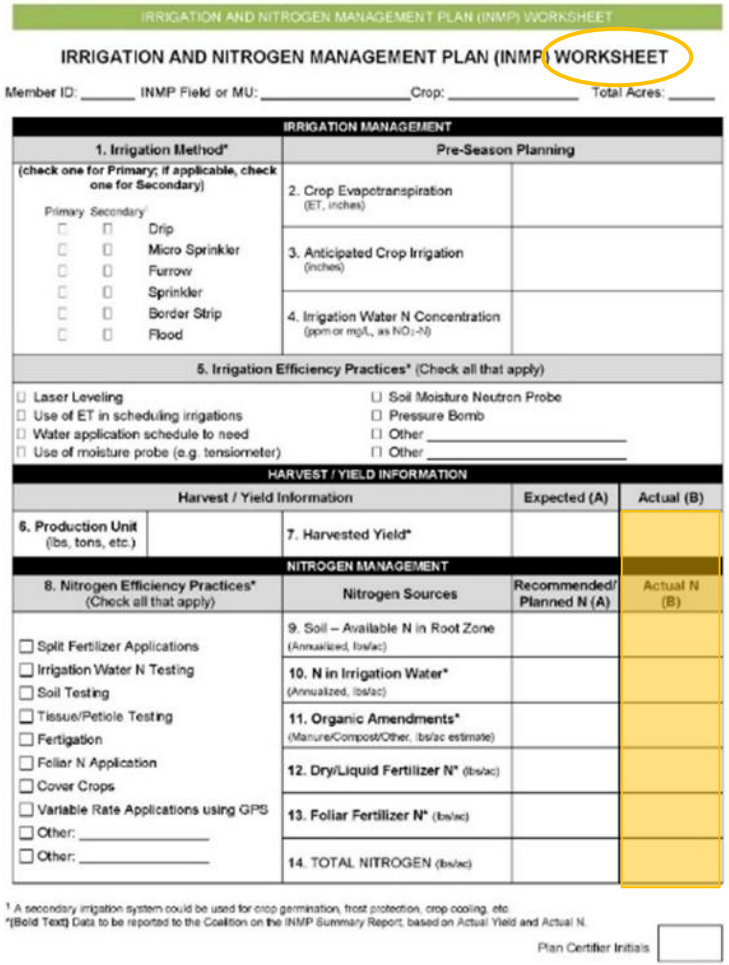
WELLHEAD PROTECTION

This information is part of the annual farm reporting completed by growers in the online DMT-data management tool. Be sure to check as many wellhead protection practices as possible for your well.

- [ ] Cement Pad
- [ ] Ground Sloped Away from Wellhead
- [ ] Standing water avoided around wellhead
- [ ] Good Housekeeping Practices
- [ ] Air Gap (for non-pressurized systems)
- [ ] Backflow Preventive / Check Valve
- [ ] None



INMP WORKSHEET VS. INMP SUMMARY REPORT



IRRIGATION AND NITROGEN MANAGEMENT PLAN (INMP) WORKSHEET

IRRIGATION AND NITROGEN MANAGEMENT PLAN (INMP) WORKSHEET

Member ID: _____ INMP Field or MU: _____ Crop: _____ Total Acres: _____

IRRIGATION MANAGEMENT

1. Irrigation Method* (check one for Primary; if applicable, check one for Secondary)	Pre-Season Planning	
Primary / Secondary: ☐ ☐ Drip; ☐ ☐ Micro Sprinkler; ☐ ☐ Furrow; ☐ ☐ Sprinkler; ☐ ☐ Border Strip; ☐ ☐ Flood	2. Crop Evapotranspiration (ET, inches)	
	3. Anticipated Crop Irrigation (inches)	
	4. Irrigation Water N Concentration (ppm or mg/L, as NO_3-N)	

5. Irrigation Efficiency Practices* (Check all that apply)

☐ Laser Leveling
☐ Use of ET in scheduling irrigations
☐ Water application schedule to need
☐ Use of moisture probe (e.g. tensiometer)
☐ Soil Moisture Neutron Probe
☐ Pressure Bomb
☐ Other _____
☐ Other _____

HARVEST / YIELD INFORMATION

Harvest / Yield Information		Expected (A)	Actual (B)
6. Production Unit (lbs, tons, etc.)	7. Harvested Yield*		

NITROGEN MANAGEMENT

8. Nitrogen Efficiency Practices* (Check all that apply)	Nitrogen Sources	Recommended/ Planned N (A)	Actual N (B)
☐ Split Fertilizer Applications	9. Soil – Available N in Root Zone (Annualized, lbs/ac)		
☐ Irrigation Water N Testing	10. N in Irrigation Water* (Annualized, lbs/ac)		
☐ Soil Testing	11. Organic Amendments* (Manure/Compost/Other, lbs/ac estimate)		
☐ Tissue/Petiole Testing	12. Dry/Liquid Fertilizer N* (lbs/ac)		
☐ Fertigation	13. Foliar Fertilizer N* (lbs/ac)		
☐ Foliar N Application	14. TOTAL NITROGEN (lbs/ac)		
☐ Cover Crops			
☐ Variable Rate Applications using GPS			
☐ Other: _____			
☐ Other: _____			

[1] A secondary irrigation system could be used for crop germination, frost protection, crop cooling, etc.
*(Bold Text) Data to be reported to the Coalition on the INMP Summary Report, based on Actual Yield and Actual N.

Plan Certifier Initials ☐

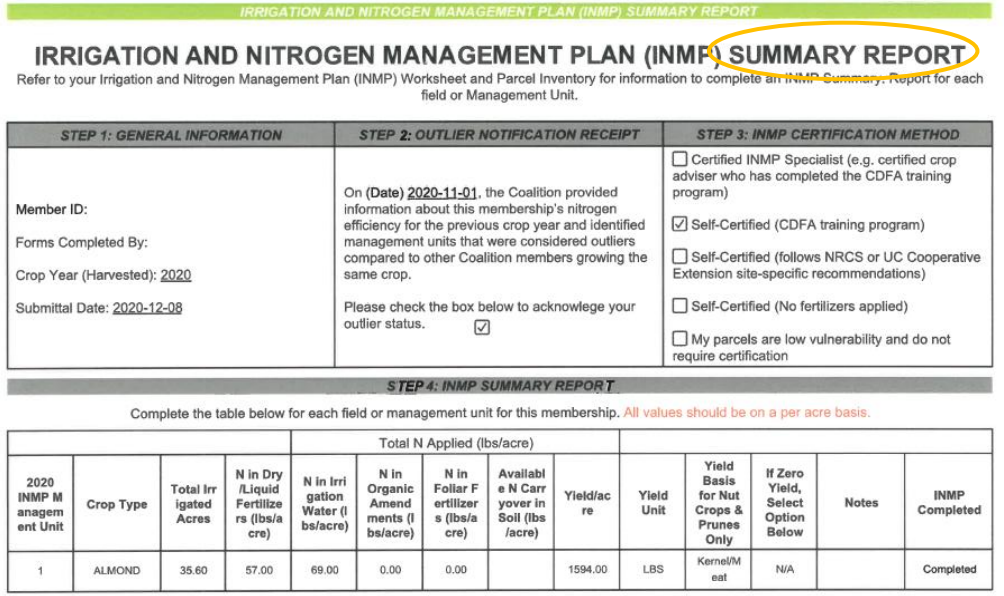
INMP WORKSHEET-PRE HARVEST, DUE MARCH 1ST

Required for all crops with the exception of Pasture – No N applied. HVA parcels must certify worksheet. Tool for planning in paper or downloaded to computer. **Stays on-farm with other farm reports!**

BOTH FORMS ARE REQUIRED!

CERTIFY IF:

- HVA
- OUTLIER



IRRIGATION AND NITROGEN MANAGEMENT PLAN (INMP) SUMMARY REPORT

IRRIGATION AND NITROGEN MANAGEMENT PLAN (INMP) SUMMARY REPORT

Refer to your Irrigation and Nitrogen Management Plan (INMP) Worksheet and Parcel Inventory for information to complete an INMP Summary Report for each field or Management Unit.

STEP 1: GENERAL INFORMATION	STEP 2: OUTLIER NOTIFICATION RECEIPT	STEP 3: INMP CERTIFICATION METHOD
Member ID: Forms Completed By: Crop Year (Harvested): 2020 Submittal Date: 2020-12-08	On (Date) 2020-11-01, the Coalition provided information about this membership's nitrogen efficiency for the previous crop year and identified management units that were considered outliers compared to other Coalition members growing the same crop. Please check the box below to acknowlege your outlier status. ☑	☐ Certified INMP Specialist (e.g. certified crop adviser who has completed the CDFA training program) ☑ Self-Certified (CDFA training program) ☐ Self-Certified (follows NRCS or UC Cooperative Extension site-specific recommendations) ☐ Self-Certified (No fertilizers applied) ☐ My parcels are low vulnerability and do not require certification

STEP 4: INMP SUMMARY REPORT

Complete the table below for each field or management unit for this membership. All values should be on a per acre basis.

				Total N Applied (lbs/acre)									
2020 INMP Management Unit	Crop Type	Total Irrigated Acres	N in Dry/Liquid Fertilizers (lbs/acre)	N in Irrigation Water (lbs/acre)	N in Organic Amendments (lbs/acre)	N in Foliar Fertilizers (lbs/acre)	Available N Carryover in Soil (lbs/acre)	Yield/acre	Yield Unit	Yield Basis for Nut Crops & Prunes Only	If Zero Yield, Select Option Below	Notes	INMP Completed
1	ALMOND	35.60	57.00	69.00	0.00	0.00		1594.00	LBS	Kernel/Meat	N/A		Completed

INMP SUMMARY REPORT-AFTER HARVEST, DUE FEBRUARY 15TH

Required for all crops with the exception of Pasture – No N applied located in the DMT online reporting system. The data is entered into the DMT. Print report for your records, keep for 10 years.

INMP Summary Report data is used to create the Grower Feedback Reports, to know if your field is an outlier.

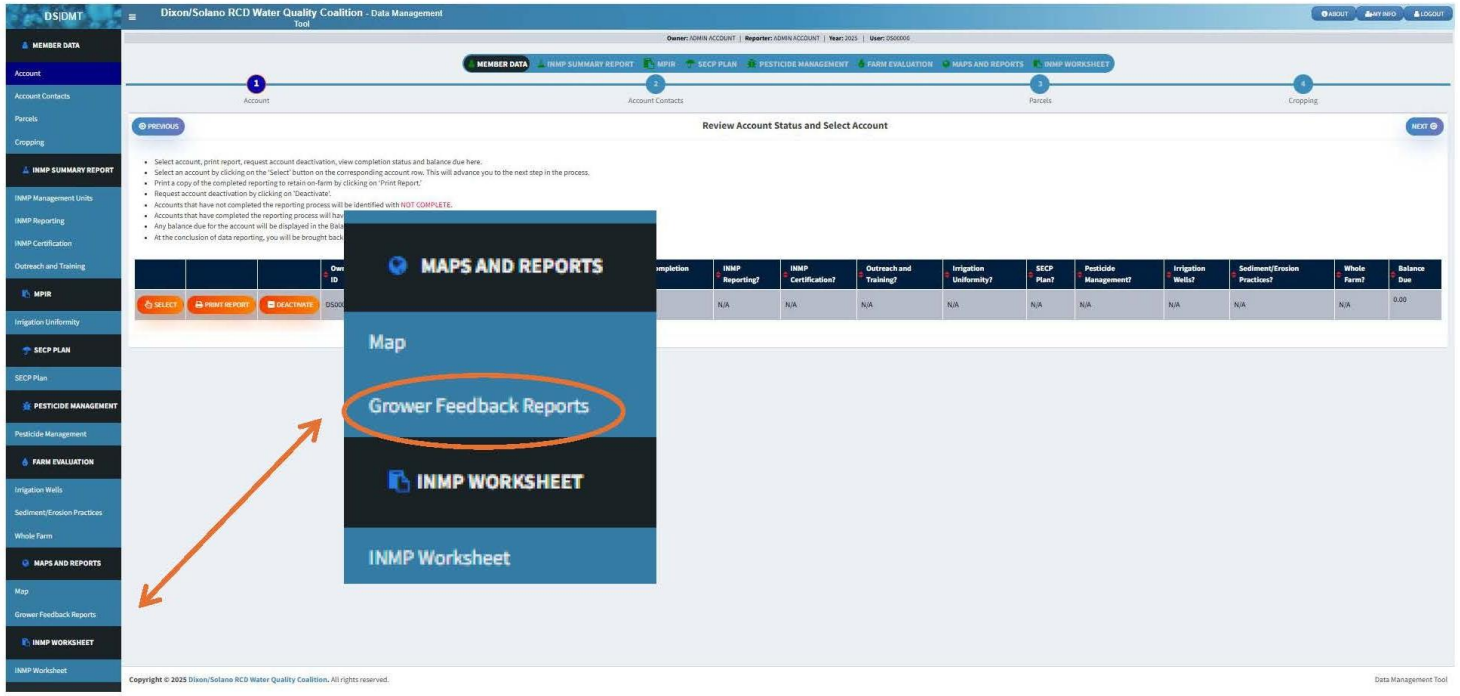
GROWER FEEDBACK REPORTS

Why do we collect INMP data?

- Requirement of the Regional Board with the purpose to protect water quality by estimating how much nitrate has the potential to leach to groundwater and to provide usable information to the grower.

What does it mean to have fields identified as outliers and what do I do with the information?

- Reports compare your data of nitrogen applied (A) to nitrogen removed (R)
- Compared to other fields of the same crop in the Sacramento Valley Water Quality Coalition
- Help to understand if nitrogen applications are considered Outliers, High (>75% of fields), Average or Low (<75% of fields).



Crop year 2024 report and previous crop year reports are available to view and download from the online DMT-data management tool.

GROWER FEEDBACK REPORTS

What requirements are there when fields are identified as outliers?

- Check your submitted data for accuracy
- If your field has a 3-year average above the threshold, it is an outlier and required that the Irrigation and Nitrogen Management Plan be certified by a specialist such as a Certified Crop Advisor, until the parcel is no longer flagged as an outlier.

What do I do with the grower feedback reports?

If your field is identified as an outliers, it signals your nitrogen applied / removed ratio is higher than 75% of the other like-crops within the Sac-Valley.

- Look for ways to use other resources for the health of your crops/fields
- Look for nitrogen “credits” in the soil and **water**
- Use other amendments like compost
- Possibly plant a cover crop to boost nitrogen in the soil.

Contact your local CCA-certified crop advisor for more information.

Crop: ALMOND

These results represent information you provided on your 2024 crop year (CY) Irrigation and Nitrogen (N) Management Plan (INMP) Summary Report comparing your N *Applied* (A) to your N *Removed* (R) to other fields of the same crop in the Sacramento Valley Water Quality Coalition.

Table 1 below shows your results for the 2024 CY and the running total for the last 3 years (2022-2024 CY) for pounds of N Applied (A) per acre, pounds of N Removed (R) per acre, A divided by R (A/R[1]), and A minus R (A-R). Orange highlighting indicates your fields that are outliers for A/R compared to other fields in the Coalition of the same crop. **For perennial crops, outlier status is based on 3-year A/R (2022 – 2024 CY).**

Table 2 shows the Coalition-wide averages for the 2024 CY and 3-yr period with the 3-yr A/R outlier threshold being used to identify outliers.

3-Year A/R Status Color Key for Your Results

Outlier[2] | High (>75% of fields) | Average or Low (<75% of fields) | Not Enough Data | N/A (not applicable)

Table 1. Your Individual Field Results for 2024 CY and 3-year (2022-2024 CY) periods

2024 CY - Your Fields								3-yr (2022-2024 CY) - Your Fields			
APN	Field Name	Irrigated Acres	Age (yrs)	Yield (lb/ac)	N Applied (lb/ac)	A/R	A-R	3-yr Total N Applied (lb/ac)	3-yr A/R	3-yr A-R	3-yr Outlier for A/R
0000-000-000	#1	72.00	10	2670	300.0	1.37	81.6	925.0	2.34	529.9	yes

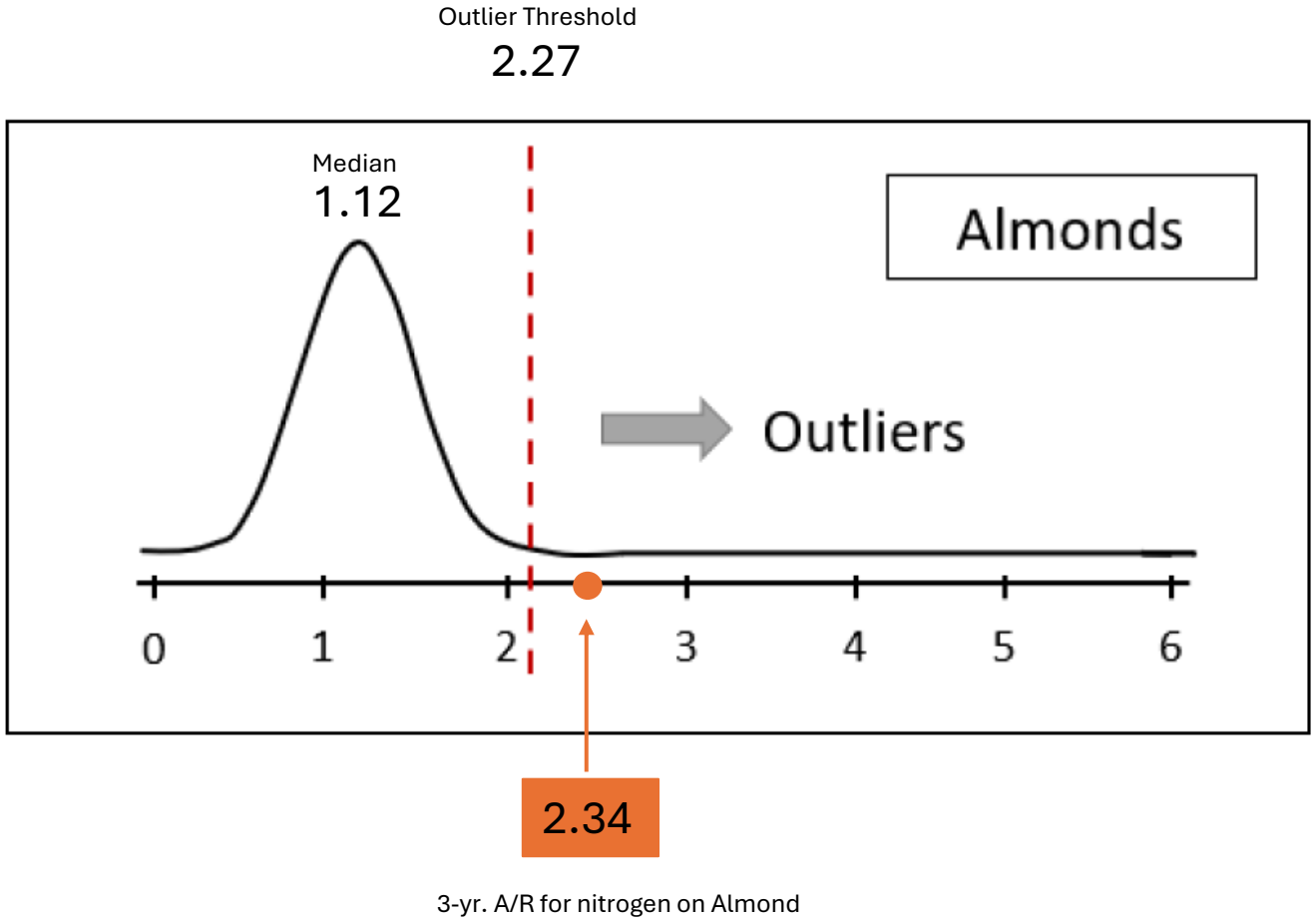
Table 2. Coalition Results for 2024 CY and 3-year (2022-2024 CY) for fields of the same crop

Coalition Results	2024 CY - Coalition	3-yr (2022 – 2024 CY) - Coalition
Median N Applied (lb/ac)	145.0	412.0
Median A/R	0.94	1.12
A/R Outlier Threshold	N/A	2.27
Median A-R	-8.84	48.33
No. of Fields	4595	2355
No. Outlier Fields	N/A	60

OUTLIERS EXPLAINED

- The peak of the curve represents most grower's A/R value (median)
- The red line represents the outlier threshold
- All growers with field A/R values to the right of the red line have fields that are outliers

A/R=Applied N/Removed N



3-yr. A/R for nitrogen on Almond

Reminder:

The grower feedback reports are made available each year in late December for the prior crop year. Look for the 2025 grower reports for review in the DMT the last week of December 2026.

GROUNDWATER WORKSHOP



SAVE THE DATE

WHEN: Tuesday, January 26, 2027
TIME: 9:00 am – Noon
WHERE: American Legion Hall Dixon, CA

Save it on your calendars!

Local groundwater experts to present interesting information on about groundwater and related topics.

Registration details coming soon.

We will apply for CDFA INMP CEUs

Q & A – QUESTIONS AND ANSWERS



THANK YOU FOR ATTENDING!