

Butte-Yuba-Sutter Water Quality Coalition

Irrigated Lands Regulatory Program

Lexi Everhart
Education and Outreach Coordinator
Yuba and Sutter Counties

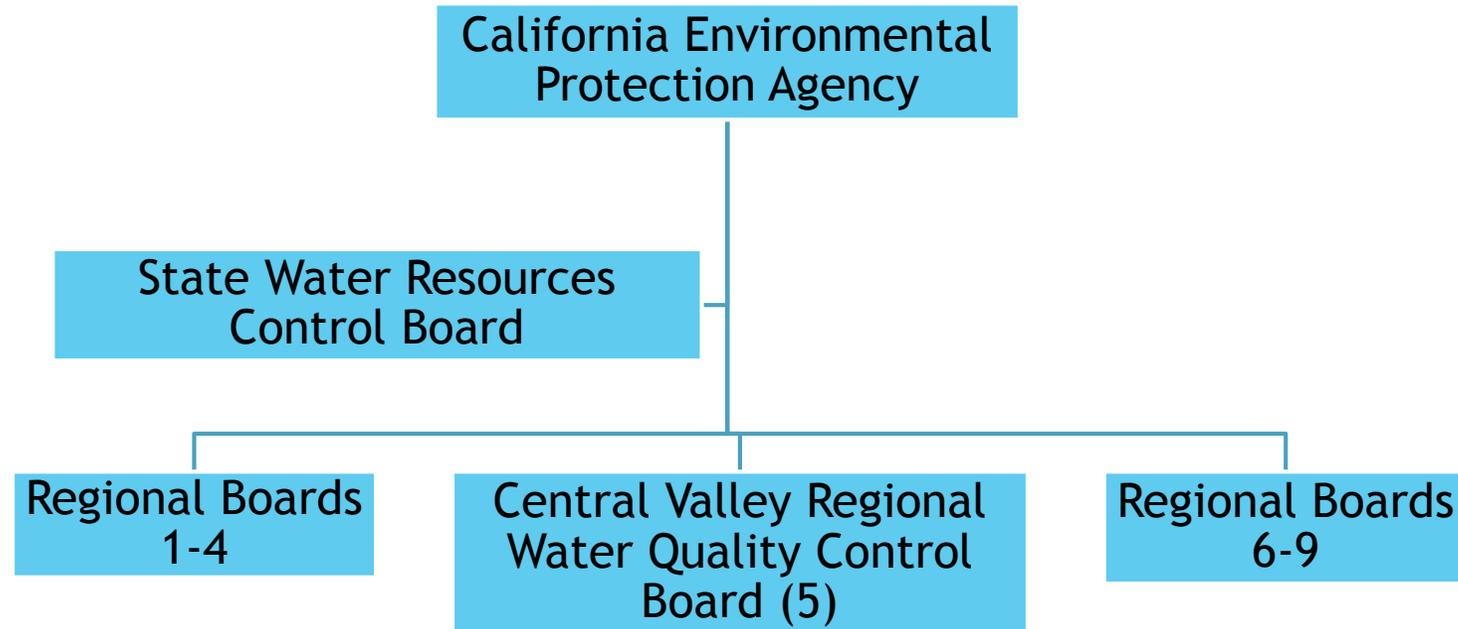


(Shay McCuskey acting) Kayla Zilch
Education and Outreach Coordinator
Butte County

Agenda

- ▶ Roles and Purposes Re-cap: The Regulators, the Regulation, BYSWQC, and Coalition staff
- ▶ Current Coalition Requirements
- ▶ 2015 Successes and Challenges
- ▶ Quick reminders
- ▶ Questions?

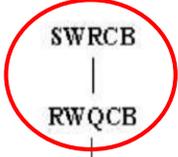
The Regulators and the Regulation



Irrigated Lands Regulatory Program (ILRP) regulates discharges from irrigated agricultural lands

- Waste Discharge Requirement Order No. R5-2014-0030
- Surface and groundwater monitoring

Regulators



Sacramento Valley Water Quality Coalition
(NCWA Manages)

- Ducks Unlimited
- Larry Walker Associates
- CURES
- Legal
- Several Ag Organizations
- Other Coalitions including California River Commission and the CA Farm Bureau



- El Dorado
- Yolo-Solano
- Sacramento-Amador
- Butte-Yuba-Sutter
- Upper Feather River
- Lake-Napa
- Columbia-Glenn
- NECWA (Pit River)
- PNSSNS
- Shasta-Tehama



You



BYSWQC is a
sub-watershed
within the larger
Sacramento
Valley Water
Quality Coalition

The Coalition's Role

The BYSWQC was designed to be a simple, less expensive way to comply with the Irrigated Lands Regulatory Program

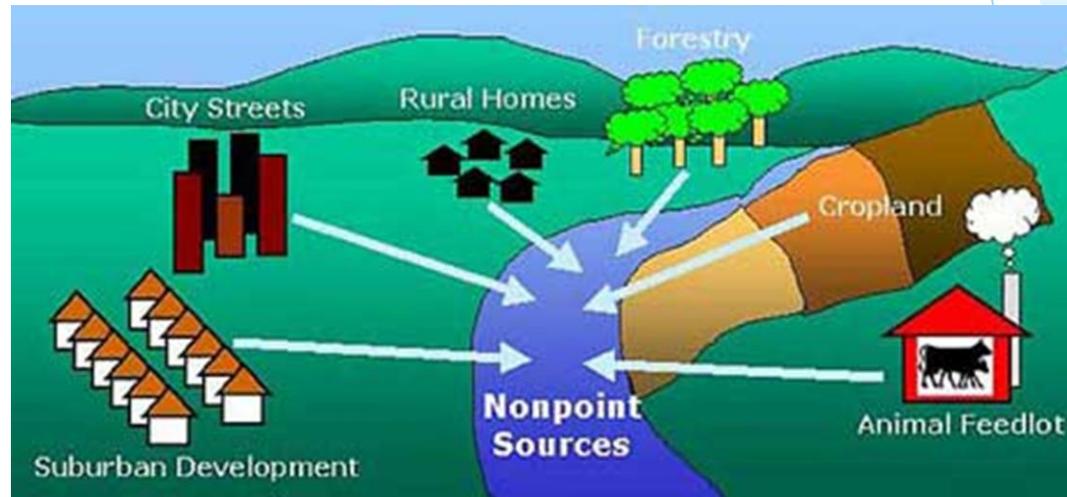
Education and Outreach Coordinator Function:

1. Answer questions about and provide assistance with ILRP requirements
2. Work directly with monitoring staff and Ag Commissioners to address exceedances
3. Coordinate educational opportunities that focus on current water quality issues and the best management practices to avoid exceedances in the future

Who else is effected by Waste Discharge Requirements?

▶ Non-point Sources

- ▶ Small wineries and food processor land applications
- ▶ CalTrans
- ▶ Industrial Storm Water SWPPPs
- ▶ Agricultural
 - ▶ Dairy
 - ▶ Irrigated Lands Regulatory Program
 - ▶ Rice



Current BYSWQC Member Requirements

Long-Term Orders were approved in March 2014



Both surface water and groundwater are addressed

These are annual obligations!
To remain a member in good standing, all requirements must be completed and submitted to the Coalition by the appropriate due date

- ✓ Member Dues - **Due January 31, 2016**
- ✓ Farm Evaluation Survey - **Due February 1, 2016**
- ✓ Nitrogen Management Plan:
 - 2015 reporting stays onsite
 - 2016 reporting sent out soon
- ✓ Nitrogen Summary Report - Still to Come, due March 2017
- ✓ Sediment and Erosion Control Plan - Still to Come
- ✓ Attending an Outreach Event - Must be completed by October 31, 2016
- ✓ Notice of Confirmation (One time only in 2015)

Farm Evaluation Survey

- ▶ 2015 Farm Evaluation Surveys (FES) were due **February 1, 2015**
- ▶ **ANNUAL** requirement for members
- ▶ 2015 FES's were mailed with your 2015-2016 invoices in December
 - If you have misplaced or need another copy, please contact Jessica DeCoito at the Yuba-Sutter Farm Bureau (530)673-6550
- ▶ If you need help completing your FES please contact:
 - Lexi Everhart with SCRCD (Yuba & Sutter Counties)
 - Colleen or Shay with BCFB (Butte County)

Farm Evaluation Survey Overall Instructions

There are four, one-page "parts" of the Farm Evaluation Survey to complete, and Farm Maps that will help you identify parcel numbers and field IDs and where you will mark the location of active and abandoned wells:

- Part A: Whole Farm Evaluation; complete only once (1 page).
- Part B: Field Specific Evaluation; complete *one page for each field or management unit*.
- Part C: Irrigation Well information; complete *one page for each membership or farm*.
- Part D: Sediment and Erosion Control Practices; complete *one page for each field or management unit*.
- Part E: Farm Map(s); identify the location of wells listed in Part C and *keep on farm*.

You may need to make copies of Parts B, C and D of the survey and complete separate surveys for each of your fields that are managed differently or have different crops. See detailed instructions on the following pages.

If all parcels/fields listed have the same practices, fill out one (1) survey for all enrolled parcels and return. Check the corresponding box(es) on the far left column to indicate the field(s) covered by the answers.

If parcels/fields have different practices, make copies of the survey and fill out one (1) survey for each parcel/field with different practices.

When copies are made, check the box next to the parcel(s) and Field ID(s) that the survey responses apply to.

For example, if a member has 3 parcels enrolled with one crop grown (Parcel A, B and C) and he manages Parcel A and B the same, he can fill out one survey for Parcels A and B. Another survey needs to be filled out for Parcel C to record the crops or practices that differ from A and B.

Nitrogen Management Plan

- ▶ 2015 Nitrogen Management Plans: First year for requirement - to get 'feet wet'
- ▶ 2016 NMP's will require certification for High Vulnerability areas
 - *2016 NMP's will be sent soon*
 - *Certification required by March 1, 2017*
- ▶ High Vulnerability Areas
 - Not yet approved by Regional Water Board
 - However, those farming on the valley floor should be prepared to certify
- ▶ How to certify
 - Certified Crop Advisors
 - Self certification - Growers can attend a special training to self certify their NMP
 - ✓ BYSWQC is currently working on coordinating trainings for members

NITROGEN MANAGEMENT PLAN WORKSHEET				
1. Crop Year (Harvested):	_____	4. APN(s):	5. Field(s) ID	
2. Member ID#	_____			
3. Name:	_____			
CROP NITROGEN MANAGEMENT PLANNING		N APPLICATIONS/CREDITS	26. Recommended/Planned N	27. Actual N
6. Crop		15. Nitrogen Fertilizers		
7. Production Units		16. Dry/Liquid (lbs/ac)		
8. Projected Yield (Units/Acre)		17. Foliar N (lbs/ac)		
9. N Recommended (lbs/ac)		18. Organic Material N		
10. Acres		19. Available N in Manure/Compost (lbs/ac estimate)		
Post Production Actuals				
11. Actual Yield (Units/Acre)		20. Total Available N Applied (lbs per acre)		
12. Total N Applied (lbs/ac)		21. Nitrogen Credits (est)		
13. ** N Removed (lbs N/ac)		22. Available N carryover in soil; (annualized lbs/acre)		
14. Notes:		23. N in Irrigation water (annualized, lbs/ac)		
		24. Total N Credits (lbs per acre)		
		25. Total N Applied & Available		
PLAN CERTIFICATION				
28. CERTIFIED BY:		29. CERTIFICATION METHOD		★
		30. Low Vulnerability Area, No Certification Needed		
		31. Self-Certified, approved training program attended		
DATE:		32. Self-Certified, UC or NRCS site recommendation		
		33. Nitrogen Management Plan Specialist		

** Not required at this time.

NMP's stay onsite!
Members do not submit
to Coalition

Nitrogen Management Plan Summary Report

- ▶ Regional Water Board recently announced that a Summary Report will **not** be required for 2015 reporting
- ▶ However, *Summary Reports for members in High Vulnerability areas must be completed by March 1, 2017*
- ▶ Regional Water Board has not yet approved the template
- ▶ Tentatively, BYSWQC plans to send Summary Reports to members following harvest to then be completed and submitted by early Spring 2017

The NMP must be completed and certified prior to completing and submitting the Summary Report; the Summary Report requests certain portions of the NMP

NITROGEN MANAGEMENT PLAN WORKSHEET				
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PLAN CERTIFICATION				
28. CERTIFIED BY:		29. CERTIFICATION METHOD		X
		30. Low Vulnerability Area, No Certification Needed		
		31. Self-Certified, approved training program attended		
DATE:		32. Self-Certified, UC or NRCS site recommendation		
		33. Nitrogen Management Plan Specialist		

** Not required at this time.

2015 Successes and Challenges: Overview

✓ **Diazinon Mgmt Plan at Gilsizer Slough:**

- Submit a request to complete Mgmt Plan in 2016

✓ **Ceriodaphnia dubia (water flea) Mgmt Plan at Lower Snake River:**

- Submit a request to complete Mgmt Plan in 2016

January

Chlorpyrifos & Dichlorvos - Gilsizer Slough

February

Diuron - Lower Snake River
Arsenic - Lower Snake River

March

Ammonia as N - Lower Snake River

April

Chlorpyrifos - Pine Creek
Copper - Pine Creek

August

Chlorpyrifos - Gilsizer Slough

Management Plans currently in place:

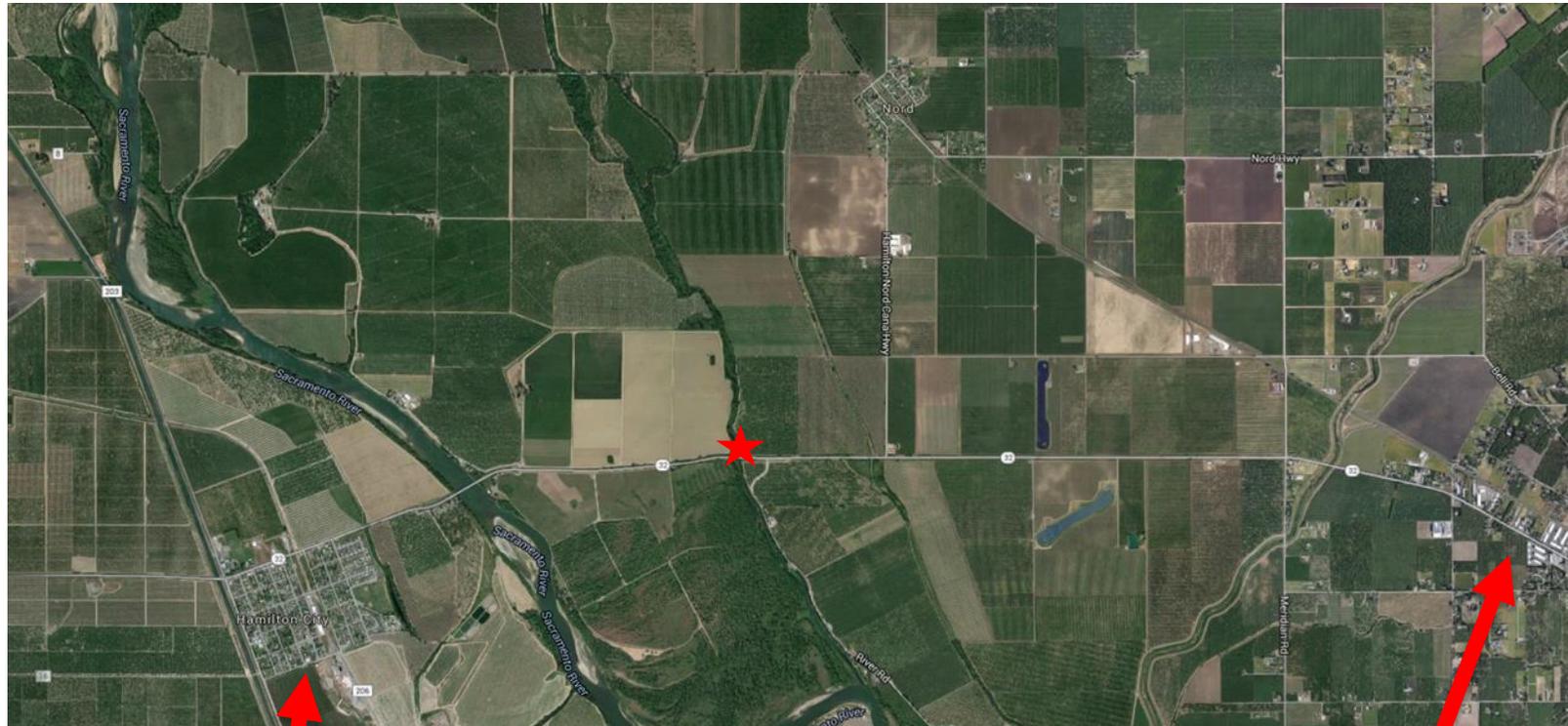
- Chlorpyrifos at Pine Creek
- Chlorpyrifos at Gilsizer Slough

Chlorpyrifos Exceedance at Pine Creek

April 2015

- ▶ An aerial application of Lorsban Advanced days before a sample event is likely cause of exceedance.
 - ▶ It was the only application made during that time
- ▶ It was the 2nd exceedance in less than a year, triggering a management plan for the Pine Creek watershed
- ▶ What happens when there is an exceedance?
 - ▶ The BYSWQC handles all communication and outreach regarding the issue, to include:
 - ▶ Correspondence with the Regional Water Board to satisfy their outreach requirements
 - ▶ Working with growers to let them know the exceedance happened and how to avoid it in the future.

Pine Creek Monitoring Site



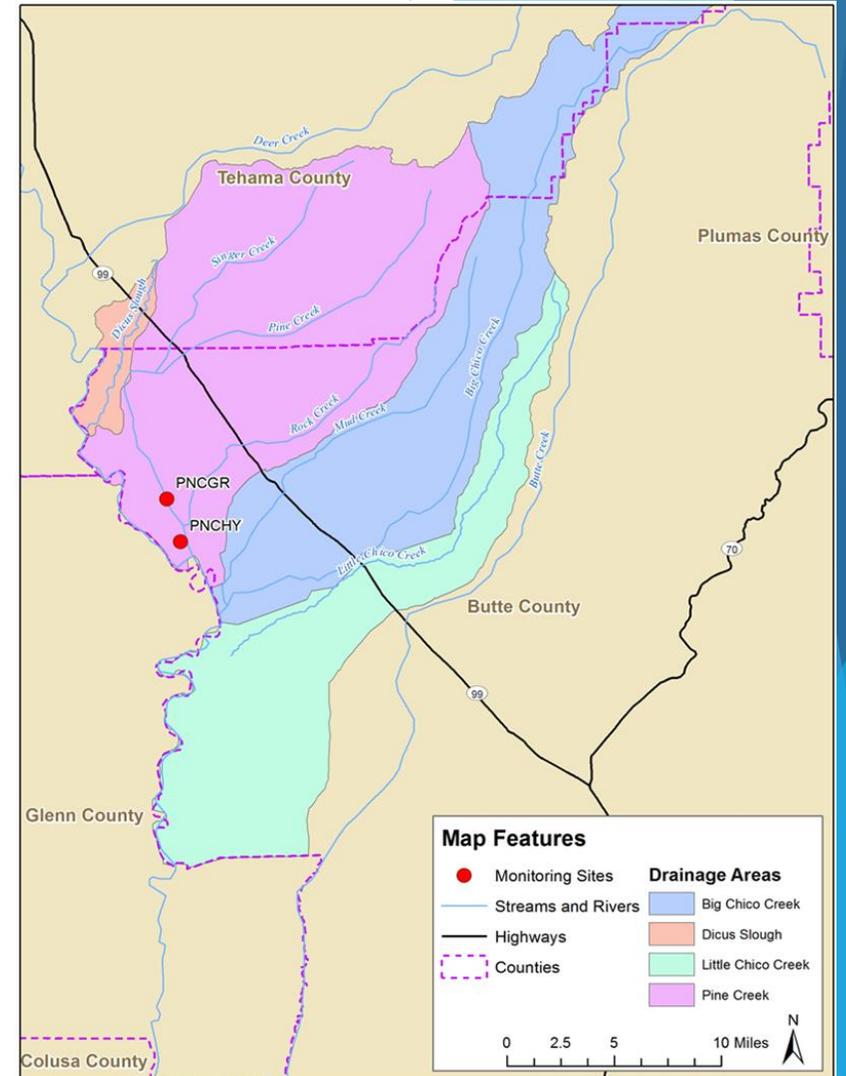
Hamilton City

Chico

Pine Creek Management Plan

What's it mean for growers?

- ▶ Chlorpyrifos is now a restricted chemical by the California Department of Pesticide Regulations.
 - ▶ The new restrictions act as a basis to the management plan, so it won't be too much of an effect on your operation outside adding it to your permit.
- ▶ Require regular, continued monitoring at Pine Creek and HWY 32.
 - ▶ To complete the plan, must show 3 years of zero exceedances



How to Avoid Future Exceedances?

Use Best Management Practices!!!

- ▶ Use end of row shut off
- ▶ Shut off outside booms when spraying near water bodies
- ▶ Avoid spraying before a rain event or irrigation cycle.
- ▶ Most importantly - Train your employees on these practices too!!

More Exceedances = More Monitoring = Increased costs

Conclusion

▶ Quick reminders:

- If you haven't already, please pay your 2016 invoice and complete and submit the 2015 Farm Evaluation Survey
 - ✓ Letters of non-receipt will be sent soon
- Complete the 2015 Nitrogen Management Plan, keep onsite

We understand!
These requirements take time, but they are the most effective way to show the Regional Water Board that the Sac Valley is doing its part to address water quality

How to contact us

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Thank you!

Questions?