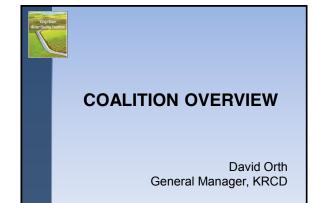


2015 Annual Membership Meeting

Kings River Water Quality Coalition





How We Got Here

- Central Valley Regional Water Quality Control Board has responsibility to protect surface and groundwater resources – "Waters of the State"
- Protection occurs through regulation Waste Discharge Permits, Waivers, General Orders
- Legislative action in 2002 initiated a review of ag impact on water quality by the Regional Board
- Contaminated drinking water elevated water quality issue politically



Coalition Formation

- Conditional Waivers adopted in 2006, addressed surface water quality only
- Allowed Coalitions to be formed so that individuals did not need to be directly regulated
- KRCD already conducting surface water quality monitoring
- Formation of a Coalition authorized by water agencies in the Kings River watershed



Original Coalition Under Waiver

- Southern San Joaquin Valley formed to be the Coalition
 - Members included lead water agencies on the Kings, Kaweah, Tule and Kern watersheds
 - KRCD provided staffing to run the organization for entire Tulare Lake Basin



Expansion to Groundwater Quality

- Regional Board has always intended to included regulation of groundwater quality in addition to surface water quality
- Extensive public process over several years to develop the expanded program (ILRP)
- Upon Waste Discharge Regulations adoption in 2013, each sub-watershed in Southern San Joaquin Valley decided to implement separately



Current Coalition Structure

- Kings River Water Quality Coalition formed in 2009 with 27 participating entities with elected directors appointed to the Board
- Coalition contracts with KRCD for management and staffing of the organization
- Separate bylaws, financials, purpose



WATER QUALITY MONITORING

Richard Hoelzel Manager of Water Resources



KRWQC Plans/Report

- Surface Water Monitoring Plan
- Groundwater Assessment Report (5 year update)
- Comprehensive Groundwater Management Plan
- Sediment Discharge and Erosion Assessment Report
- Management Practices Evaluation Program
- All are Coalition requirements under the WDR



Surface Water Monitoring Plan

- Monthly monitoring of selected sites along the Kings River system
- Monitor for agricultural materials
- Pesticides
- NutrientsMetals
- Monitor physical parameters
 - Dissolved Oxygen
 - Electrical Conductivity
 - pH
 - Temperature
 - Bacteria



Groundwater Assessment Report (GAR)

- Required study to assess the regions within the Coalition's boundaries where groundwater is more vulnerable to activities from irrigated ag
- Compiled all "readily available" data
 - Depth to Groundwater
 - Soil Types
 - Irrigation Practices
 - Cropping Patterns
 - Known Water Quality Test Results
 - Groundwater Modeling data



Groundwater Assessment Report (GAR)

- Follow up studies are proposed as part of Comprehensive Groundwater Management Plan
- Initial Analysis showed areas where exceedances occurred but were not considered vulnerable from current irrigated agriculture
- Initial technical analysis is complete and was submitted on November 20th
- Currently in the negotiation phase with the Regional Board

 Update on this process later in the Policy Update



Isotope Study (Phase 1)

- A component of the Comprehensive GW Quality Plan
- Contracted with Lawrence Livermore National Laboratory to test advance Isotopic methods
- Sampling to occur in March 2015
- Attempt to determine both age and source of the nitrates in drinking water supply wells
 - Irrigated agriculture, dairy, septic, other?
- Project has potential for expansion to other areas in the Coalition if methods are proven effective.



GW Trend Monitoring

- New Requirement of the WDR
- Use existing ag wells
- Must have at least 1 trend monitoring well per township in Low Vulnerable Areas
- High Vulnerable Areas will need between 1 and 4 wells per township
- Volunteers will be needed
- Isotope Project has potential for expansion to other areas in the Coalition if methods are proven effective.



Summary of Implementation Issues for 2015

- Getting approvals from the Regional Board on our submitted plans
- Implementing the approved plans
- Developing Groundwater trend monitoring program
- Developing systems to ease reporting for our membership



GROWER REPORTING REQUIREMENTS

Eric Athorp Program Manager



GROWER REPORTING REQUIREMENTS

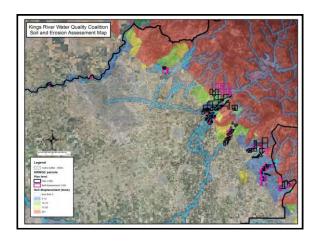
Three Major Obligations are Mandated by the General Order

- 1. Sediment and Erosion Control Plan
- 2. Farm Evaluation Reports
- 3. Nitrogen Management Plan

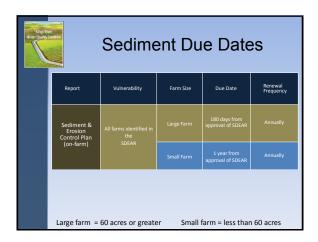


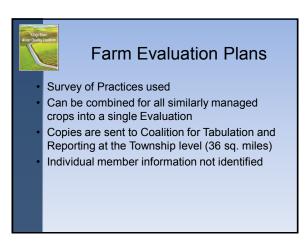
Sediment Discharge & Erosion Assessment Report

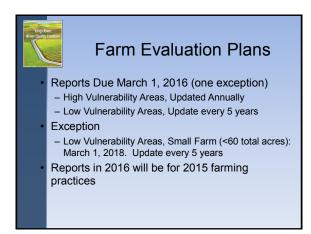
- Identifies areas in the Coalition that need to have a <u>Sediment and Erosion Control Plan</u>
- Conducted an evaluation of the potential for sediment discharges to affect surface waters
- Analysis similar to approach taken in other coalition areas
- Plan has not been approved by the Regional Board
- Timeline for implementation tied to approval date

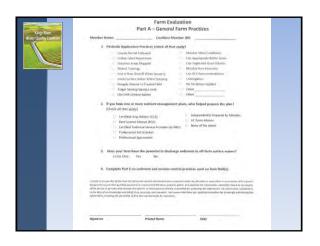


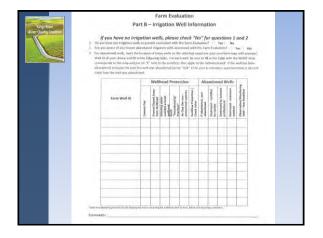


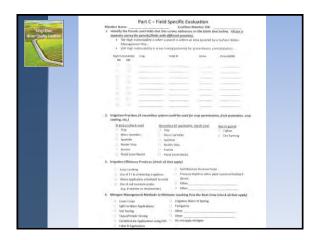


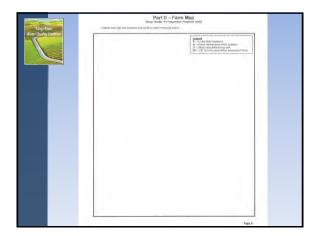


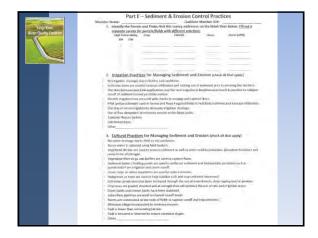


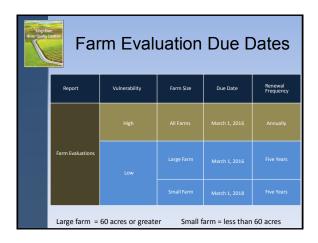




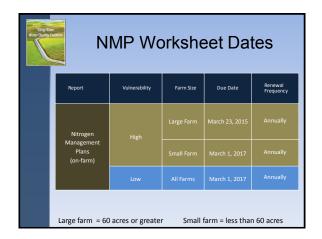


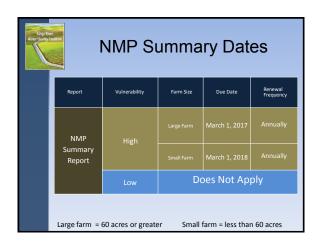


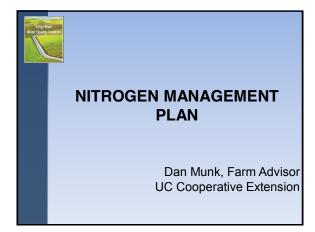




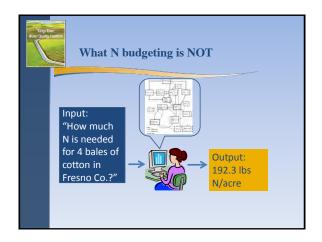


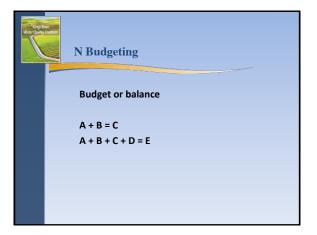


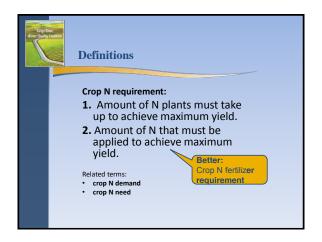


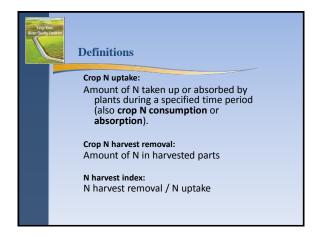


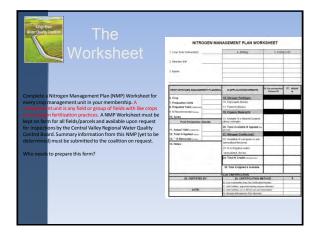


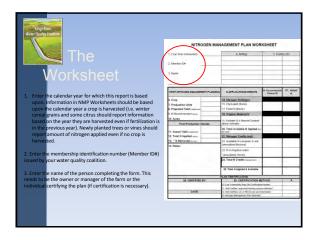


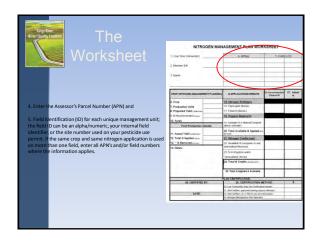


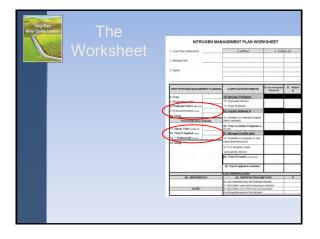


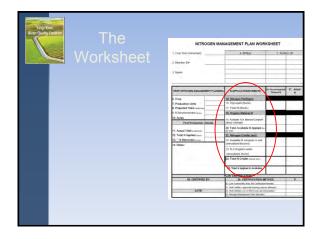


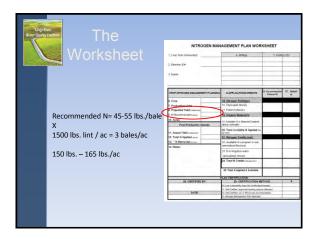


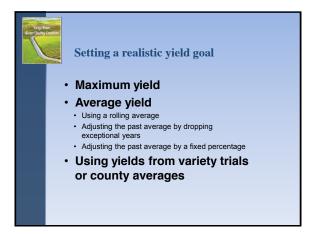


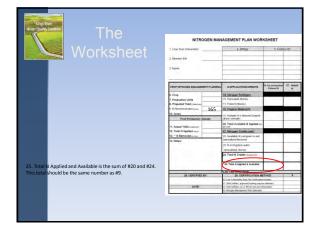


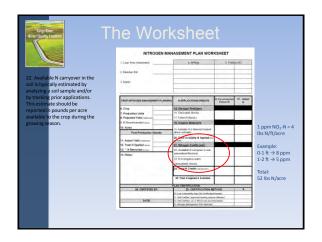


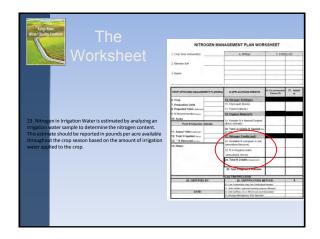


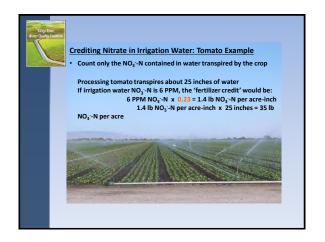




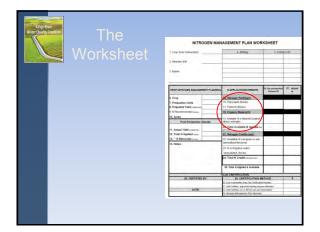


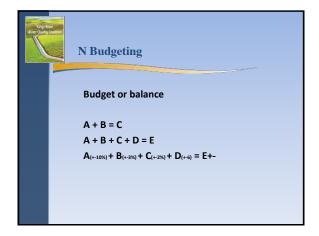


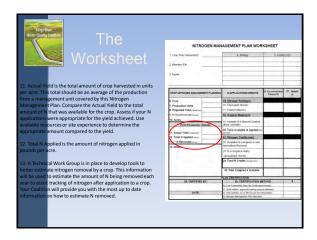




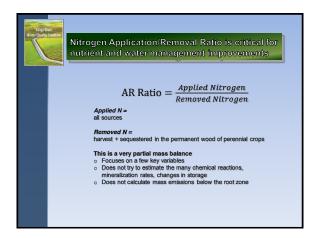


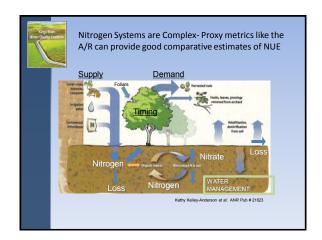


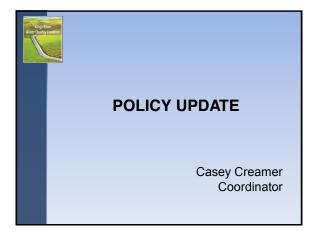


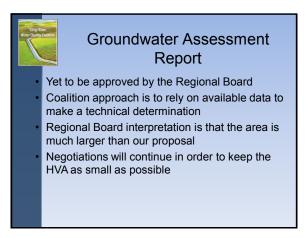


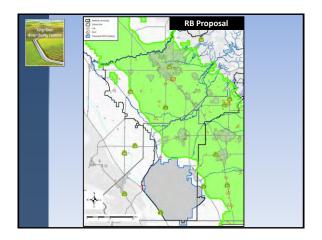


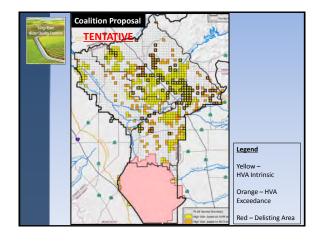














NMP Summary Report

- NMP Worksheet approved on December 23rd
- Summary reporting information still in limbo
- Expert Panel and CDFA weighed in on the reporting
- State Board may take action to standardize reporting statewide
- Regional Board initiating a Technical Workgroup



Tulare Lake Basin WDR

- Revised on December 4, 2014
- Delayed Farm Evaluation and Nitrogen
 Management Plan Summary Reporting by one
 year for most
- Northern Coalitions will be reporting at least one year sooner than Southern Coalitions



Southern San Joaquin Valley Water Quality Coalition

- No longer the implementing Coalition group
- Amended MOU on October 1, 2014
- Coordination for groups under the TLB WDR
- Unify on areas of mutual interest/concern
- Signatories: Kings, Kaweah, Tule, and Kern



MPEP

- Management Practices Evaluation Program
- Replaced first encountered groundwater representative monitoring program
- Coordination agreement between Kings, Kaweah, Tule, Kern and Cawelo WDC signed.
- Implement as a group instead of individually to save significant costs
- Will be the most significant requirement of the WDR
- Potential to affect the way in which we farm!



CV-SALTS

- Central Valley Salinity Alternatives for Long Term Sustainability
- Includes Nitrogen as well
- Current regulatory structure not developed with irrigated agriculture in mind
- Litigation and political climate not in Ag's favor
- Trying to solve drinking water issues and maintain agriculture viability at the same time
- Opportunity to have a say in modifying the regulations



Summary of Policy Issues for 2015

- Nitrogen Management Plan Summary Report
- NMP Grower Certification
- MPEP implementation
- Petitions before the State Board
 - ESJ Appeal
 - TLB Appeal
 - Could get worse, not better (Central Coast, Dairy)



Coalition Outlook

- Program requirements phasing in
- Additional grower involvement is needed (time and expense)
- Outreach and Education will be critical
- Close coordination with the commodity groups, farm bureaus, CDFA, NRCS, and UCCE
- Kings is taking an active role to lead and shape the discussions for the benefit of our members



COMMUNICATIONS UPDATE

Cristel Tufenkjian Outreach Coordinator



Outreach Requirements

- Each Member shall participate in third-party outreach events, at least annually, if any of the Member's parcels are in a designated "high vulnerability" area or governed by a SQMP/GQMP.
- The Member shall review outreach materials to become informed of any water quality problems to address and the management practices that are available to address those issues.



Outreach Requirements

 The Member shall provide annual confirmation to the third-party that the Member has attended an outreach event during the previous year and reviewed the applicable outreach materials.



Outreach Events

- February 5, 2015 Annual Meeting and subsequent Annual Meetings
 - Attendance certificate in your packet
- Local Workshops (advertised separately)
 - Irrigation Districts, Farm Bureau's, etc.
 - World Ag Expo on February 11th
 - Additional as requested
- Nitrogen Management Plan
 Workshops/Template Workshops



NMP Workshops

- Upcoming Events: March 10 Nitrogen Management Plan Template Workshops at the Energy Education Center in Tulare
 - 8:30 am 10:00 am Session 1
 - 10:30 am 12:00 pm Session 2
 - 1:30 pm 3:00 pm Session 3
 - 3:30 pm 5:00 pm Session 4



Website

- Video Instructions for Templates
- Templates posted on website
- Video of Annual Membership Meeting
- Sign-up for e-mail distribution list
- www.kingsriverwqc.org



Contact Information

- Main Contact
 Telephone (559) 365-7958
 Fax: (559) 237-5560
 email info@kingsriverwqc.org
- Ombudsman: Cristel Tufenkjian
 Telephone (559) 237-5567 ext. 118



Question and Answer Session

CERTIFICATE OF ATTENDANCE



Kings River Water Quality Coalition Outreach Event

Member Name:	
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Please print out this certificate, fill in your name, and keep in your files for your records.

February 5, 2015