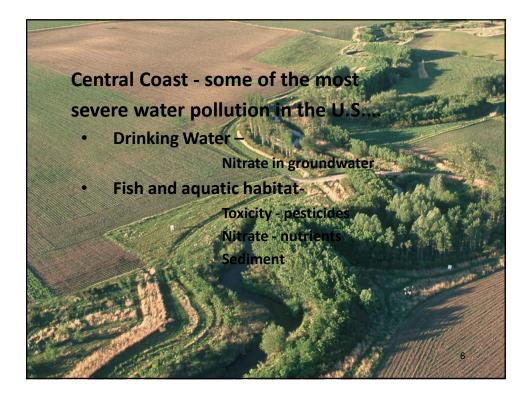
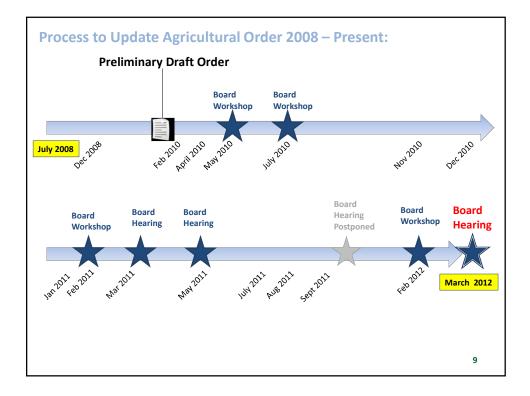


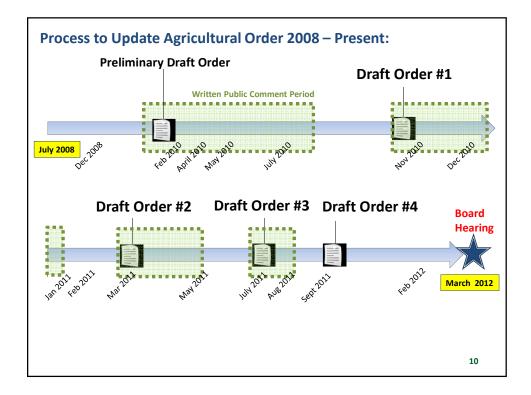
Relative Degree of Regulation							
Timber		0.00	Urban Stormwater		Mun. Wastewater		
2004 Conditional Waiver 2012 Draft Order Tier 1 Tier 2 Tier 3			Landfills	Drinking water pollution cases			
Relative Degree of Water Quality Impacts							
Timbe	r	Landfills	/lun. Wastewater		Irrigated Agriculture		
				pollu	tion cases 5		

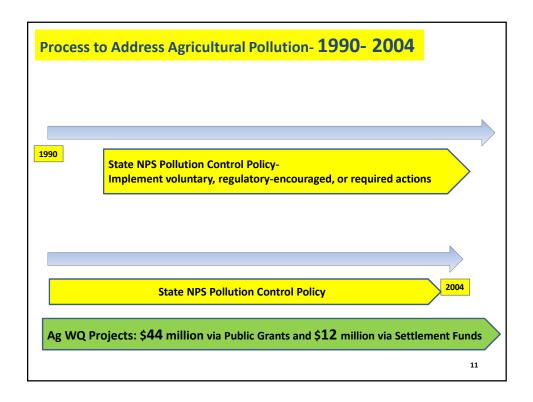




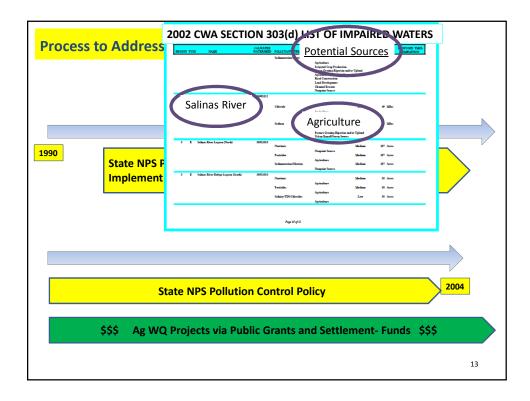




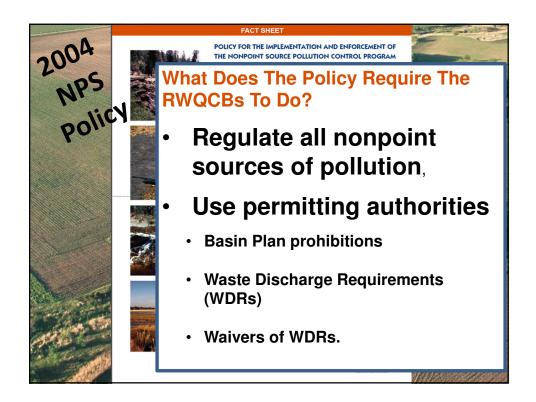


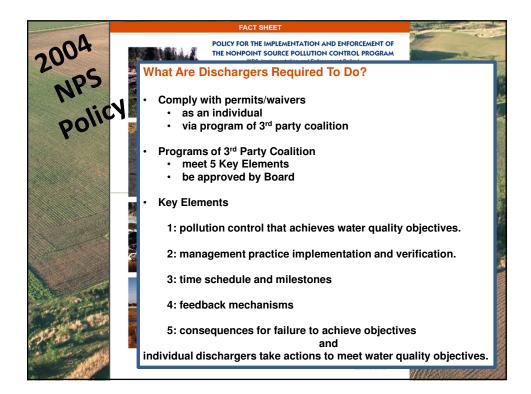


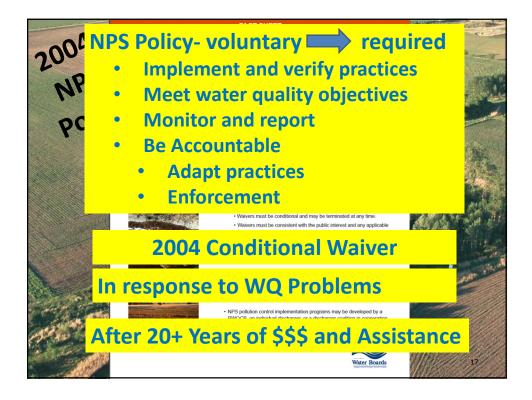






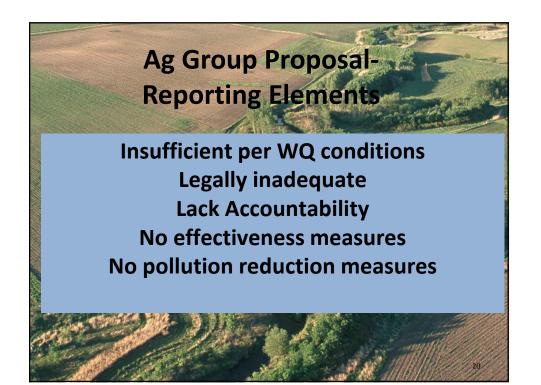








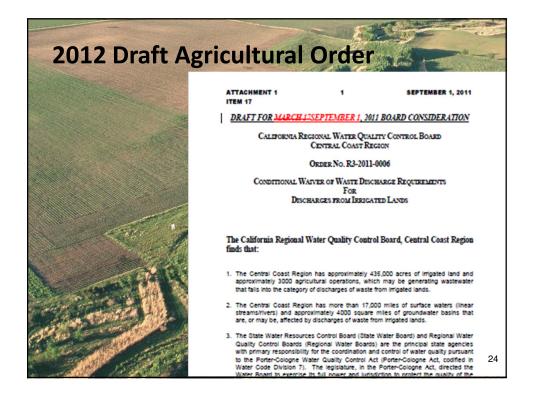




Staff 2012 Draft Order	Ag Industry Group Proposal	
Receiving Water	Receiving Water	
Nitrate loading indicators (tiers 2 and 3) • e.g., nitrogen applied • short-term, farm-level	NONE	
Pollution reduction indicators (tiers 2, 3) • e.g., less chemical use • short-term, farm-level	NONE	
Practice effectiveness indicators (tiers 2, 3) • e.g., amount of sediment controlled • short-term, farm-level	NONE	
Individual discharge (tier 3)	NONE	

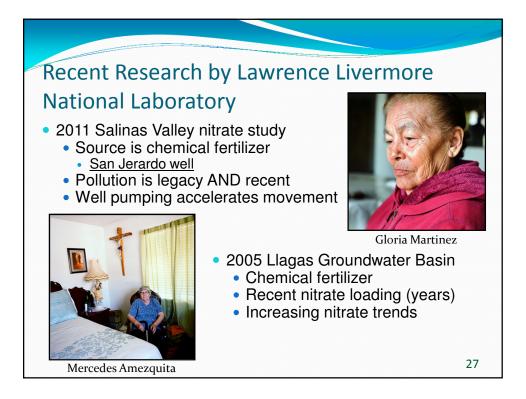


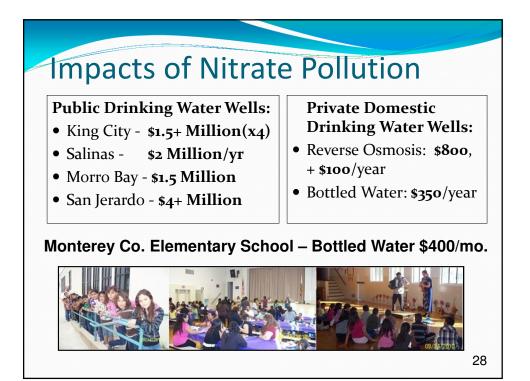


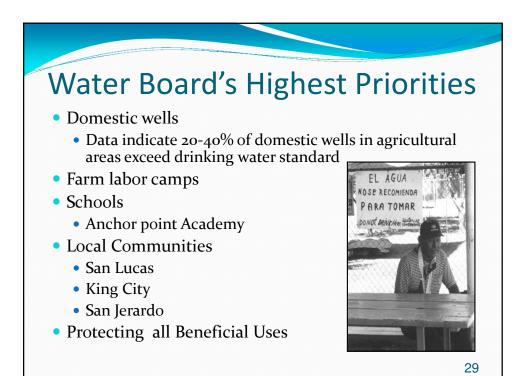






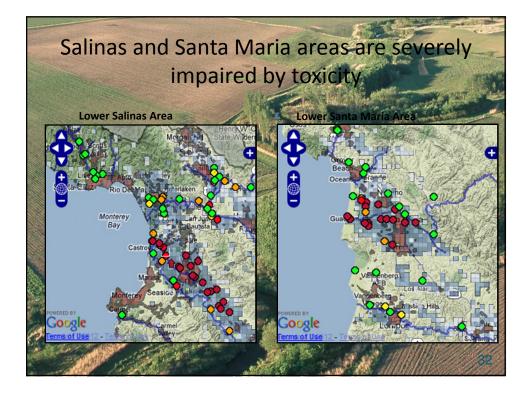




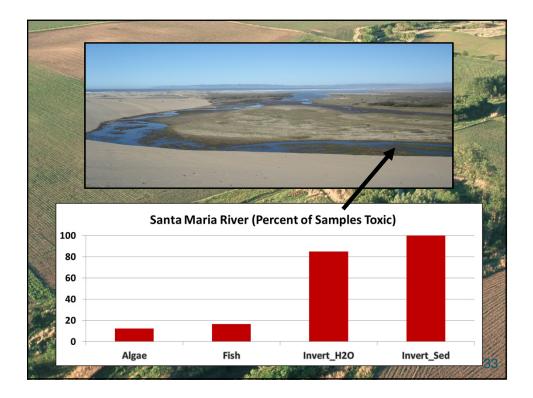


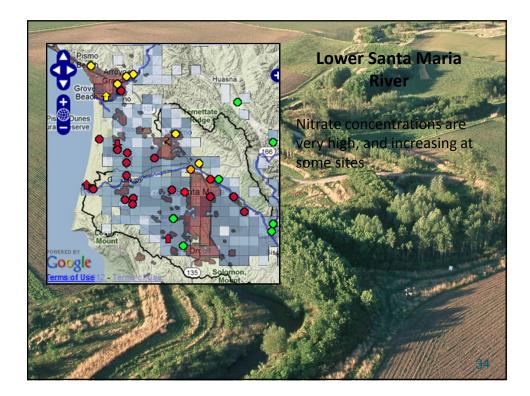


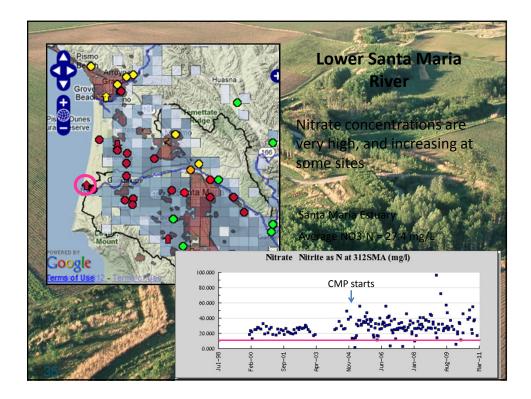


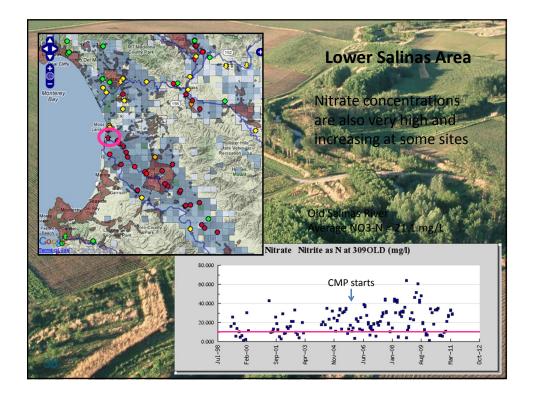


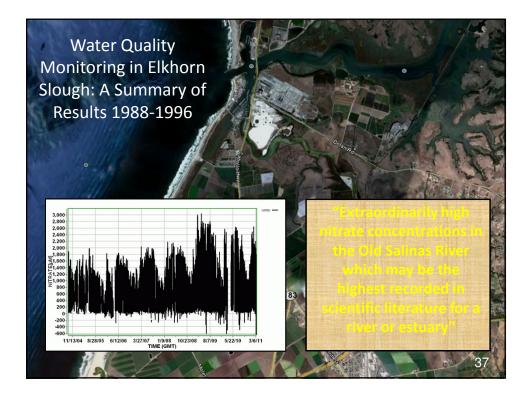
3/26/2012

















Proposed Tiers and Criteria

Address "one size does not fit all" Focus on impaired areas Prioritize drinking water protection

Tier 1 (Lower Threat)

- NO chlorpyrifos or diazinon
- NO impaired surface water or drinking water well
- If nitrogen loading crop, must be less than 50 acres
- Or Sustainable-In-Practice (SIP) Certified (or similar)

Tier 2

- Chlorpyrifos or diazinon
- Impaired surface water or drinking water well
- If nitrogen loading crop, between 50 500 acres

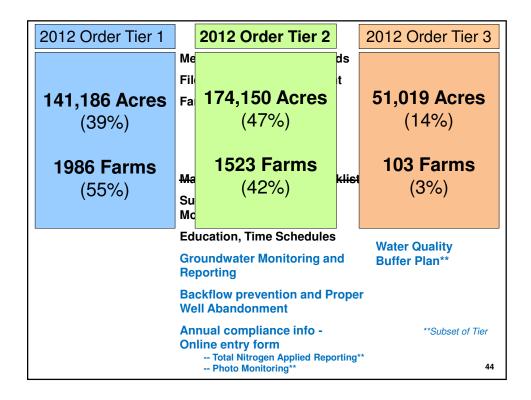
Tier 3 (Higher Threat)

- Chlorpyrifos or diazinon, and discharge to impaired surface water
- If nitrogen loading crop, greater than or equal to 500 acres

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2004 Condition	onal Waiver
Meet Water Qua	ity Standards
File / Update No	tice of Intent
Farm Plan irrigation mar pesticide mar nutrient mana erosion mana schedules to	nagement Igement gement
Management Pra	actice Checklist
Surface Receivin Monitoring	ng Water
Education, Time	Schedules
Groundwater Mo Reporting	pnitoring and
Backflow prever Well Abandonmo	
Annual complian Online entry forn Total Nitroger Photo Monito	n Applied Reporting**

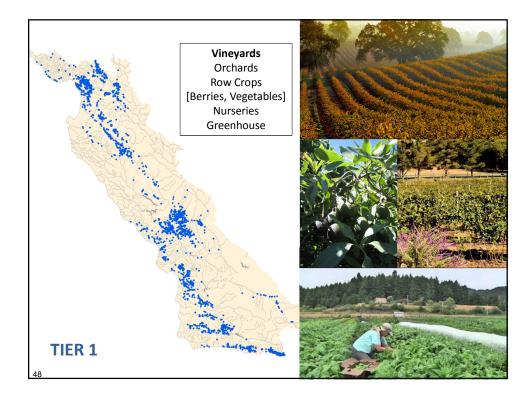
2012 Order Tier 1	2012 Order Tier 2	2012 Order Tier 3	
Tier 2 <u>Minus</u> :	Meet Water Quality Standards File / Update Notice of Intent	Tier 2 <u>Plus</u> :	
Annual compliance info - Online entry form	Farm Plan irrigation management pesticide management	Ind. Discharge Monitoring	
	nutrient management erosion management schedules to implement	Irrigation and Nutrient Mgmt.	
	Management Practice Checklist	Plan**	
	Surface Receiving Water Monitoring	Nutrient Balance Targets**	
	Education, Time Schedules	Water Quality	
	Groundwater Monitoring and Reporting	Buffer Plan**	
	Backflow prevention and Proper Well Abandonment	·	
	Annual compliance info - Online entry form	**Subset of Tier	
	Total Nitrogen Applied Reporting* Photo Monitoring**	* 43	

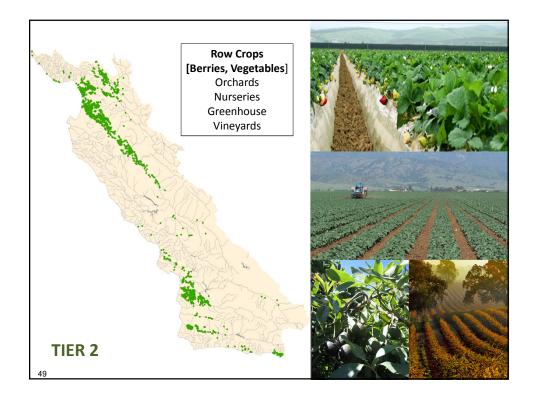


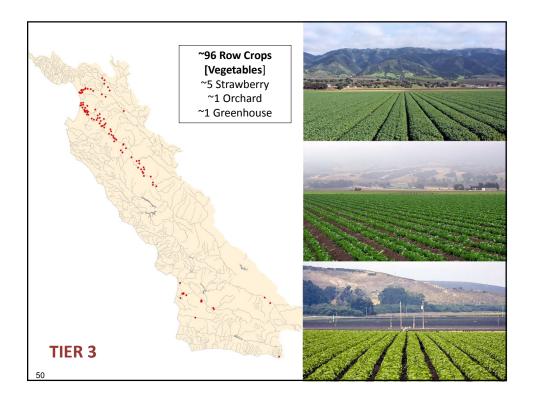


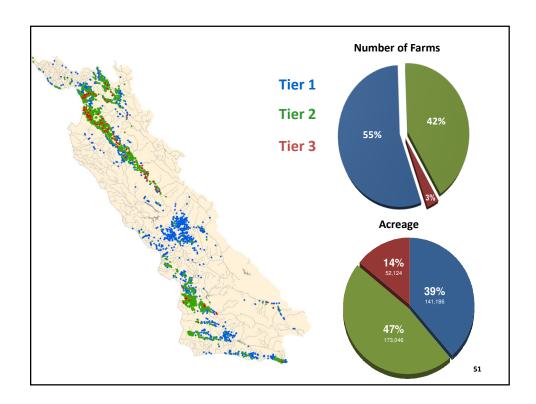


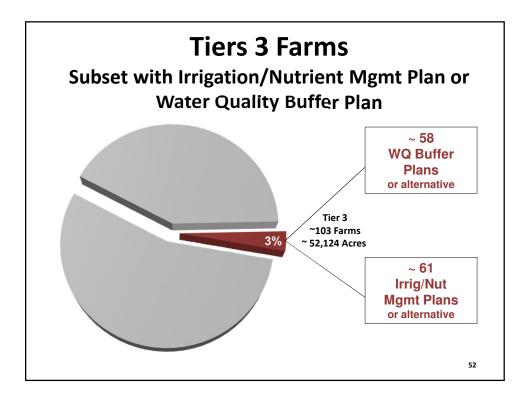












What <u>new</u> information is gained?

All

- Data to identify groundwater impacted by nitrate
- Data to protect drinking water beneficial uses
- Individual pesticides detected in surface water
- Farms certified sustainable

Many

- Farms with increased nitrate loading risk
- Practices implemented
- Indicators that practices are effective and pollutant load is reduced

Some higher risk farms

- Certification of irrigation and nutrient management plans
- Data to evaluate the quality of individual discharges
- Protection of adjacent surface water
- Verification of progress and effectiveness, specific indicators and milestones







Conditional Waiver of Waste Discharge Requirements Enforcement Approach

2012 Conditional Waiver includes administrative type requirements:

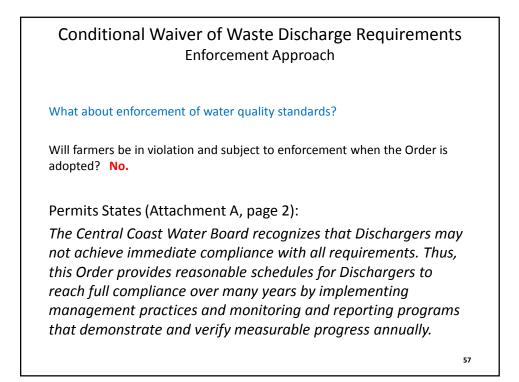
Enrollment Fees On-line Report Submittal Due Dates

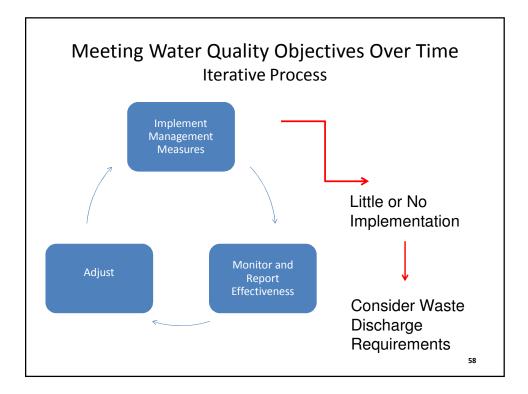
Staff can pursue enforcement for violations of these administrative requirements.

Typical Sequence:

Phone call or email Letter to discharger Notice of Violation 2nd Notice of Violation Propose Fine Board Hearing

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Staff Resources Dedicated

- Lisa McCann
- Katie DiSimone
- Angela Schroeter . Donette Dunaway John Goni

Phil Hammer

Alison Jones

Hector Hernandez

Corinne Huckaby

- Monica Barricarte •
- Matt Keeling
- ٠ Karen Worcester
- Mary Adams
 - **Mike Higgins** Barbara Brooks •

٠

- Cecile DeMartini
- Stacy Denney
 - **Cyndee Jones**

- Howard Kolb
 - Shanta Keeling
 - Sorrel Marks
 - Peter Meertens ٠
 - John Mijares ٠
 - Gary Nichols ٠
 - Jill North ٠
 - ٠
 - Harvey Packard
 - John Robertson ٠ Thea Tryon

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Dominic Roques

Chris Rose

Elaine Sahl

Steve Saiz

Kim Sanders

Todd Stanley

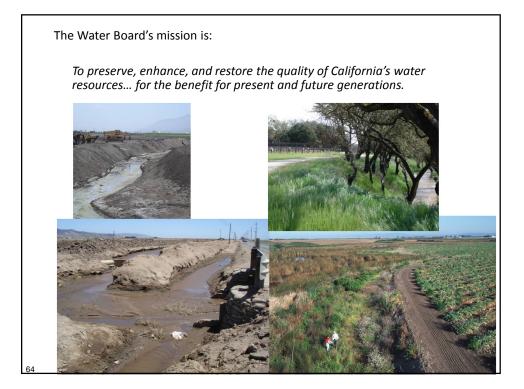
Dean Thomas

Sheila Soderberg

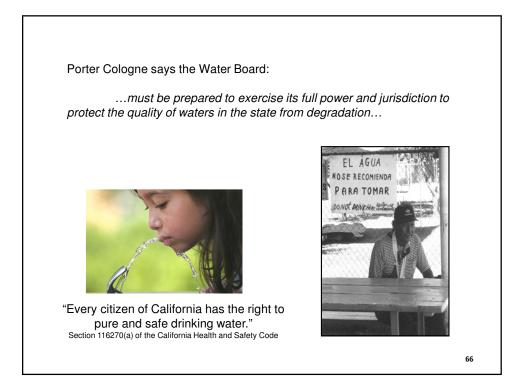
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Priorities Deferred

- Ag Program Implementation (Compliance Eval., Assistance and Enforcement)
- **Public Health Protection: Drinking Water**
- Total Maximum Daily Load Orders: Address severe Ag issues •
- **Basin Plan Amendments**







Conclusion

- Water quality degradation is severe and getting worse.
- Threat to public health is paramount- we must act now and comply with our laws, plans, and policies.
- We cannot negotiate away protection of public health or public resources.
- Delay prevents implementation and action on priority cases.
- Unwillingness to submit data or specified information is not a reason to delay.
- Solutions are available.



