Surface Water Protection Requirements

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Irrigation and Nutrient Management
for Groundwater Protection

Irrigation and Nutrient Management
✓ for Surface Water Protection

Pesticide Management
✓ for Surface Water Protection

Sediment and Erosion Management
✓ for Surface Water Protection

Riparian Area Management
for Water Quality Protection
Priority Areas
Surface Water Protection

Based On
• Ranch Location

Priority Areas
1. Santa Maria
2. Salinas
3. Pajaro, Monterey Bay, Santa Ynez
4. All other watersheds
Regional Board or Third-Party Actions

- Focused Outreach
- Focused Education
- Grower Resources

Grower Actions

- Follow-Up Implementation Work Plan(s)
- Coordination with Third Party

Priority Areas
Surface Water Protection
Monitoring & Reporting
Surface Water Protection

General Types

1. Surface Receiving Water
2. Follow-Up
3. Ranch-Level
4. Annual Compliance Form
Surface Receiving Water Monitoring & Reporting

- Cooperative or Individual
- CCWQP currently does this for growers
- Monitor water quality in irrigated agricultural areas

Monitoring & Reporting
Surface Water Protection

*Receiving Water - Rivers & Streams*
Follow-Up Monitoring & Reporting

- Cooperative or Individual

- Work Plan
  - Identify follow-up areas
  - Identify follow-up actions

*Receiving Water - Rivers & Streams*
Monitoring & Reporting
Surface Water Protection

Ranch-Level Monitoring & Reporting

- May Be Required
  - Water quality issue & grower not part of a cooperative effort
  - Surface water limits not achieved

- Individual Work Plan
  - Identify follow-up areas
  - Identify follow-up actions
Annual Compliance Form Reporting

- Discharge Characteristics
- Status of Farm Plan
- Management Practices
- Sediment & Erosion Control
- Education

Monitoring & Reporting
Surface Water Protection
Surface Water Limits & Time Schedules
Surface Water Protection

1. Areas with a TMDL
   - Nutrients
   - Pesticides & Toxicity
   - Sediment

2. Areas without a TMDL
   - Nutrients
   - Pesticides & Toxicity
   - Turbidity

TMDL – Total Maximum Daily Load
Maximum amount of a material that a waterbody can blend in on a regular basis
NUTRIENTS

1. Areas with a TMDL
   - Nitrate
   - Total Nitrogen
   - Total Phosphorus
   - Ammonia (Un-Ionized)
   - Orthophosphate

**TIME**: Different Years

2. Areas without a TMDL
   - Nitrate
   - Ammonia (Un-Ionized)

**TIME**: Year 2031

Surface Water Limits & Time Schedules
Surface Water Protection
Surface Water Limits & Time Schedules
Surface Water Protection

PESTICIDES & TOXICITY

1. Areas with a TMDL
   • Individual Pesticides
   • Toxicity
   **TIME:** Different Years

2. Areas without a TMDL
   • Individual Pesticides
   • Toxicity
   **TIME:** Year 2031
Surface Water Limits & Time Schedules
Surface Water Protection

SEDIMENT & EROSION

1. Areas with a TMDL
   • Sediment (tons/year)
   TIME: Different Years

2. Areas without a TMDL
   • Turbidity
   TIME: Year 2031

3. Impermeable Surfaces
   • e.g., Plastic Mulch, Hoop Houses
Third Parties

Surface Water Protection

- Assist growers to achieve compliance with the Order requirements
- Innovative and creative ways to work towards solving water quality problems
- Minimum criteria
Surface Water Protection Requirements

Thank you