Agricultural Water Quality

Program Enhancement
Why Enhance this Program:

- adaptive management
- water quality
- routine AWQ inspections
- benefits to growers
Agricultural Operations to be included in the Program Enhancement

- Nurseries/Greenhouses (existing)*
- Groves/Vineyards
- Row Crops
- Any other operation that meets the RWQCB’s definition of commercial agriculture
<table>
<thead>
<tr>
<th>Watershed</th>
<th>Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Margarita</td>
<td>241</td>
</tr>
<tr>
<td>San Luis Rey</td>
<td>1,165</td>
</tr>
<tr>
<td>Carlsbad</td>
<td>391</td>
</tr>
<tr>
<td>San Dieguito</td>
<td>305</td>
</tr>
<tr>
<td>San Diego River</td>
<td>80</td>
</tr>
<tr>
<td>San Diego Bay (Sweetwater)</td>
<td>54</td>
</tr>
<tr>
<td>San Diego Bay (Otay)</td>
<td>9</td>
</tr>
<tr>
<td>Tijuana</td>
<td>19</td>
</tr>
</tbody>
</table>
Parameters for Assessing Threat to Water Quality (TTWQ)

- Topography
- Water Quality Impairments (Watershed)
- Compliance History
- MS4
- Receiving Waters
- Pesticide Use
- Flooding
- HAZMAT

Agriculture Site Rank
- High
- Medium
- Low
Breakdown of Low, Medium, High

**Low**
- Located within a watershed that does not have high priority water quality conditions.
- Minimal to zero connectivity or proximity to receiving waters.
- Compliance History (last 3 inspections)

**Medium**
- Located within an Impaired Watershed
- Impairment of watershed linked to agricultural activities
- Moderate connectivity or proximity to receiving waters.
- Compliance History (last 3 inspections)

**High**
- Located within Impaired Watershed
- Impairment of watershed linked to agricultural activities (nutrients and sediment)
- High or direct connectivity or proximity to receiving waters.
- Compliance History (last 3 inspections)
Site Ranking

Number & Rank of Sites

- **Low**: New Inventory (96), Current Inventory (22)
- **Medium**: New Inventory (1574), Current Inventory (285)
- **High**: New Inventory (201), Current Inventory (63)

Legend:
- New Inventory
- Current Inventory
What this means for AWQ inventoried sites

AWQ Inspections (increased BMP implementation)

Outreach & Education (Connect growers to resources like UCCE, MRCD, NRCS)

Compliance Assistance (WPO & Ag. Order requirements)
Healthy Soils Incentives Program (HSP)
https://www.cdfa.ca.gov/oefi/healthysoils/

State Water Efficiency and Enhancement Program (SWEEP)
https://www.cdfa.ca.gov/oefi/sweep/

Environmental Quality Incentives Program (EQIP)

Conservation Stewardship Program (CSP)

County of San Diego Agricultural Irrigation Efficiency Program (Waterscape Rebate Program)
https://www.sandiegocounty.gov/content/sdc/dpw/watersheds/RebatesIncentives/

Legacy Pesticide Disposal Event
Technical Assistance Resources

Natural Resources Conservation Service (NRCS)
Specialties include conservation practice (BMP) design, financial assistance, engineering, and technical assistance
www.nrcs.usda.gov/wps/portal/nrcs/site/ca/home/

Mission Resource Conservation Service (MRCD)
Specialties include technical assistance, assessments, and education for crop, irrigation, and nutrient management
www.missionrcd.org/agriculture

University of California Cooperative Extension (UCCE)
Specialties include water and nitrogen management, plant management and protection, farm management, technical assistance, assessments and education
http://cesandiego.ucanr.edu/
Upcoming stakeholder outreach will include:

- Contact information for local financial & technical support programs
- Demonstration of available online resources:
  - ProjectCleanWater.org to help farmers identify different watersheds & information on regional stormwater programs by jurisdiction
  - USGS National Map to help farmers view property characteristics & stormwater flowlines (https://apps.nationalmap.gov/viewer/)
- Annual Stormwater Training requirements
Thank You

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