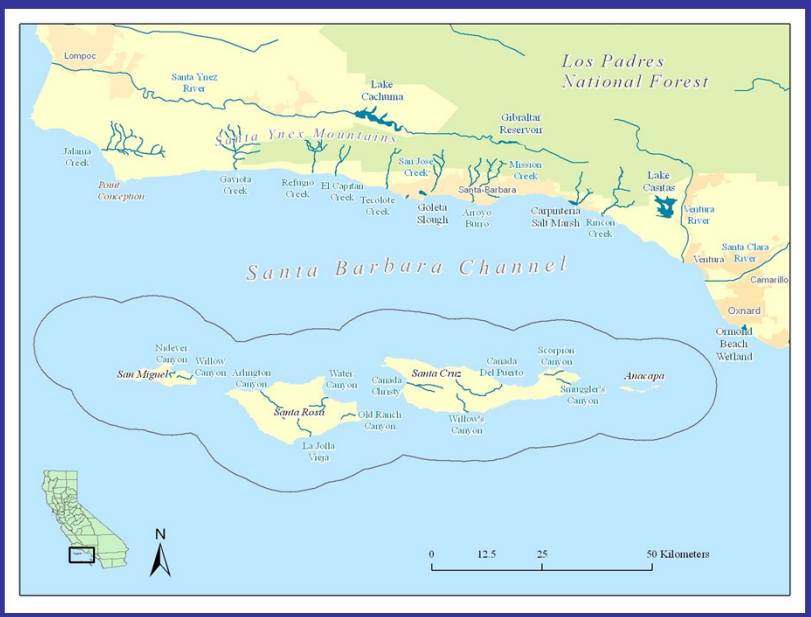
Santa Barbara Channelkeeper

Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands

Ben Pitterle
Watershed Programs Director
February 1, 2012



3 Tiers

Tier 1 < 2004 Order

Tier 2 ~ 2004 Order

Tier 3 > 2004 Order

Tier 1

February 2010- - “Low Risk” =

a. Must eliminate ALL tailwater

b. Greater than 1000 feet from any impaired surface waterbody identified on the 303(d) List

Tier 1

February 2010- "Low Risk" =

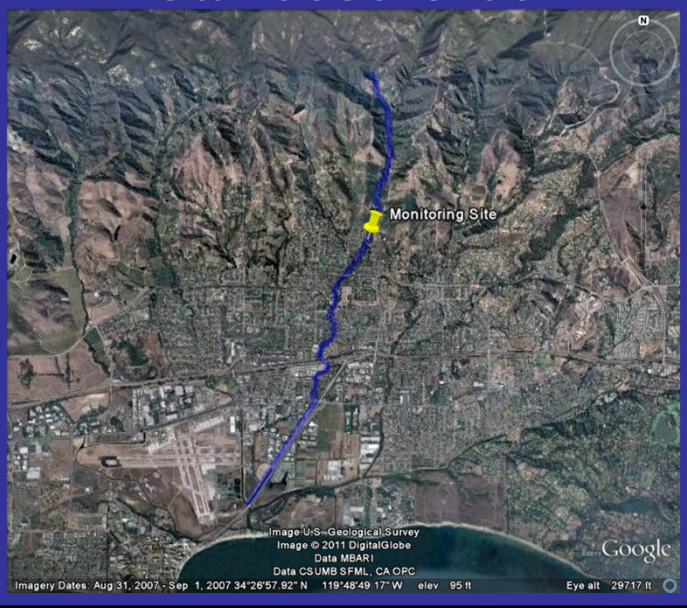
a. Must eliminate ALL tailwater
b. Greater than 1000 feet from any impaired surface waterbody identified on the 303(d) List

September 2011 – Tier 1 =

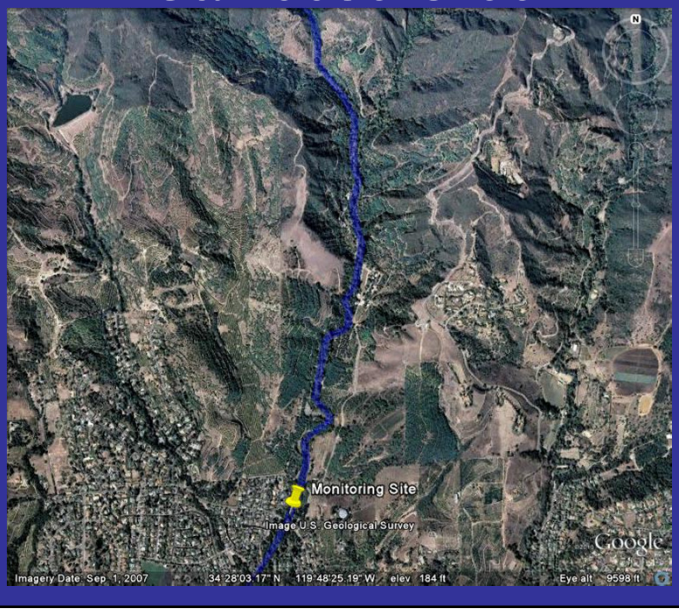
a. No chlorpyrifos or diazinon
b. More than 1000 from toxicity, pesticide, nutrient, turbidity, or sediment impaired water body
c. If discharger grows high nitrate risk crops then less than 50 acres; and greater than 1000 feet from impaired public water system well exceeding standard

- Tier 1 is less stringent than the 2004 order
- No Annual Compliance Form (No Checklist)

San Jose Creek



San Jose Creek



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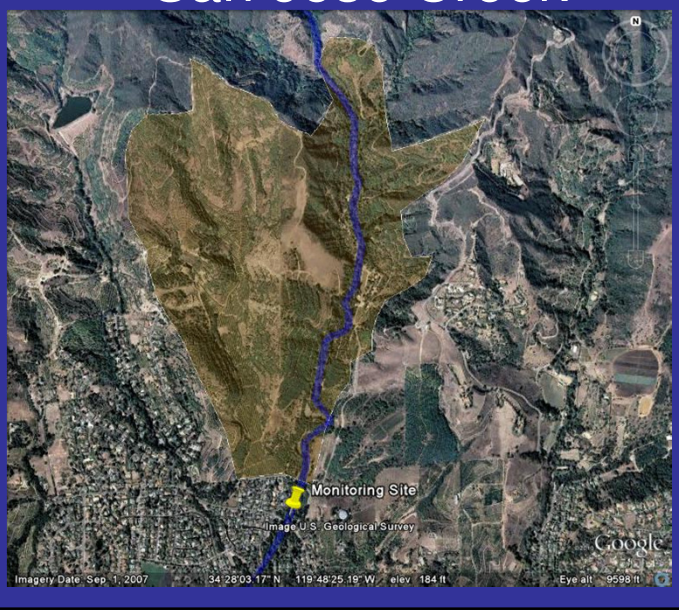

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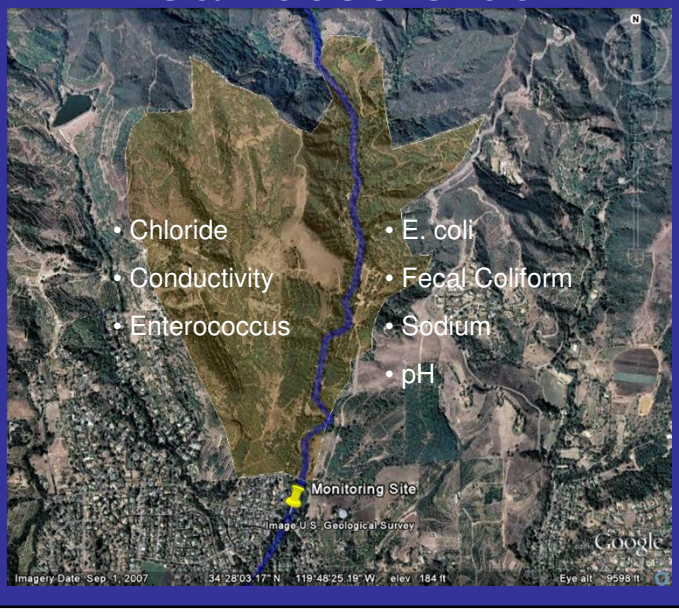

Individual discharge monitoring

- February 2010 – All dischargers required to do individual discharge monitoring

Individual discharge monitoring

- February 2010 – All dischargers who were not categorized as “Low Risk Dischargers” were required to do individual discharge monitoring
- September 2011 – Only for Tier 3 growers

Milestones February 2010

- Within 2 years - Dischargers within 1000 feet of impaired water body or tributary must eliminate discharge of irrigation runoff or meet water quality standards.
- Within 2 years – 100 % Toxicity reduction of All dischargers to any water body must eliminate toxicity
- Within 3 years – All dischargers to any water body must eliminate sediment and turbidity to meet standards
- Within 5 years – All dischargers to any water body must eliminate nutrients and salts to meet standards

Milestones September 2011

100% toxicity reduction in discharge (SAME)

75% turbidity or sediment load reduction in discharge

75% nutrient load reduction in discharge

But - Only Tier 3 dischargers (3% - 10%) required to demonstrate through actual monitoring that toxicity is eliminated and that progress is being made towards achieving sediment, turbidity, salt and nutrient standards

Nutrient Management

- February 2010 – All dischargers to any water body required to include specific nutrient and irrigation management information in Farm Plan

Irrigation and Nutrient Management

- February 2010 - All dischargers to any water body required to include specific irrigation and nutrient management information in Farm Plan
- September 2011 – Only Tier 3 dischargers with "High Nitrate Loading Risk" must submit Irrigation and Nutrient Management Plan

Tier 3?

Tier 3?

Do either of the following:

3a. Grow high nitrogen risk crops AND are greater than 500 acres in farm size

3b. Applies chlorpyrifos and diazinon, AND discharges to waterbody 303(d) listed for toxicity or pesticides.


Tier 3?


Tier 3?
Arroyo Paredon
Bell Creek
Carpinteria Marsh
Glen Annie Creek
Franklin Creek
Los Carneros Creek
Carpinteria Creek
Rincon Creek


Tier 3?
• No Irrigation and Nutrient Management Plans
• No Nitrogen Balance ratio targets
Arroyo Paredon
Bell Creek
Carpinteria Marsh
Glen Annie Creek
Franklin Creek
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• No Irrigation and Nutrient Management Plans
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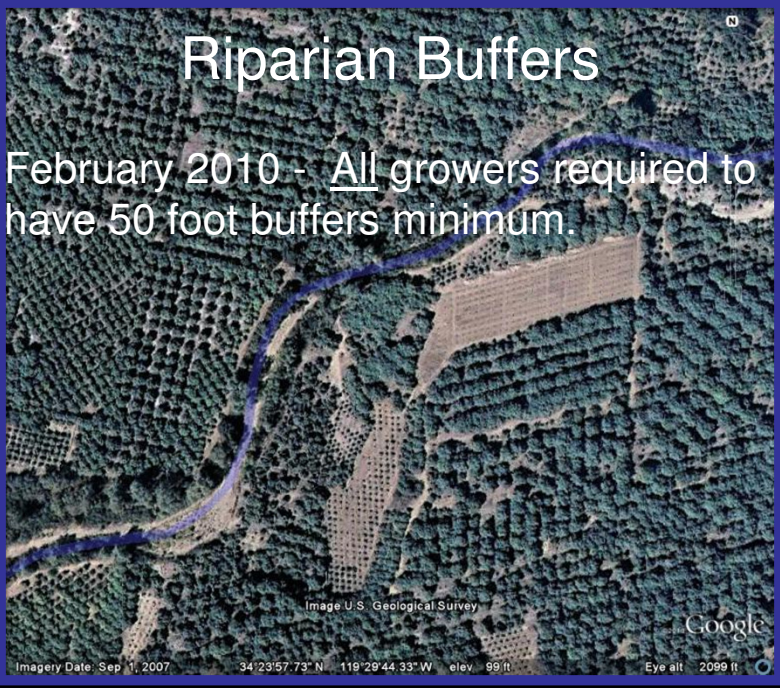
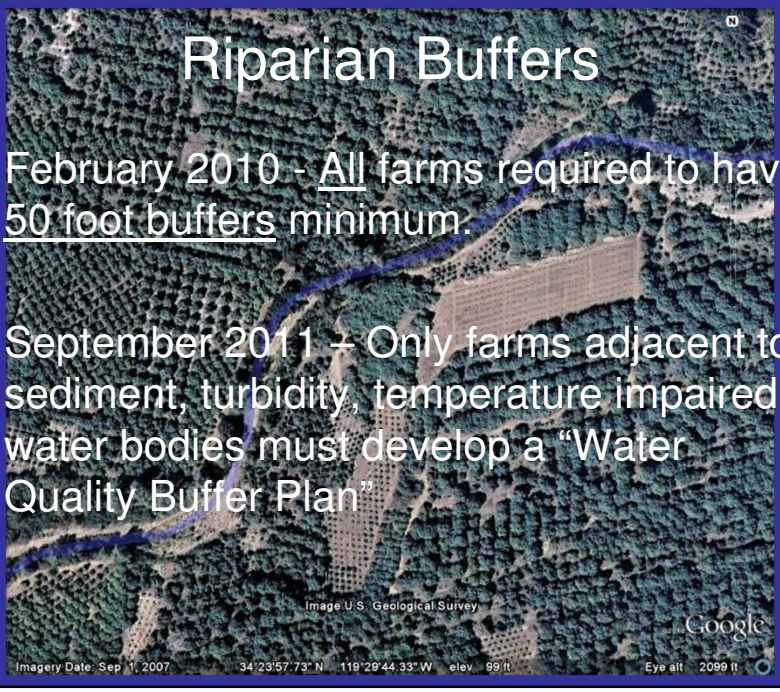
Riparian Buffers

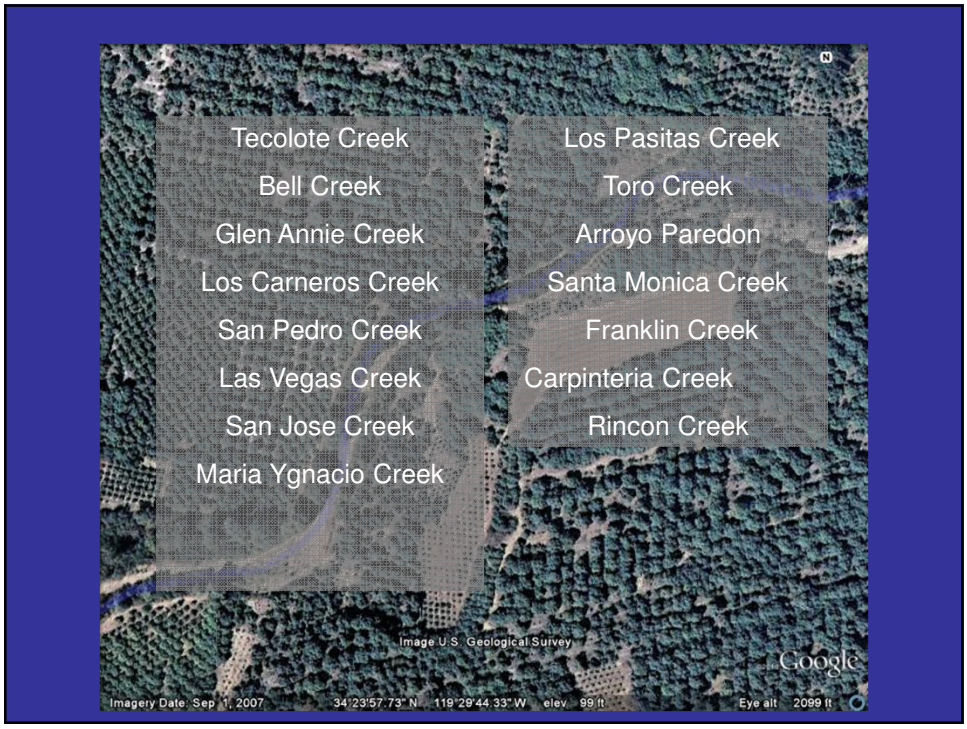
- February 2010 - All growers required to have 50 foot buffers minimum.



Riparian Buffers

- February 2010 - All farms required to have 50 foot buffers minimum.
- September 2011 – Only farms adjacent to sediment, turbidity, temperature impaired water bodies must develop a "Water Quality Buffer Plan"

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Los Pasitas Creek
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Santa Monica Creek
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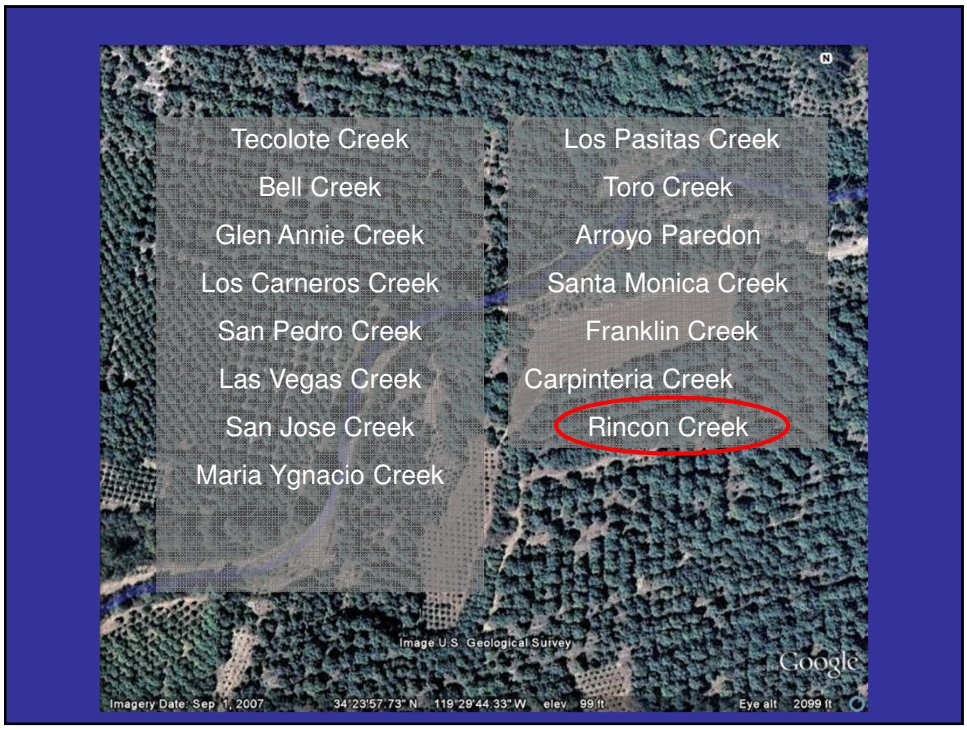
Image U.S. Geological Survey
Google
Imagery Date: Sep 1, 2007 34°23'57.73" N 119°29'44.33" W elev 99 ft Eye alt 2099 ft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