

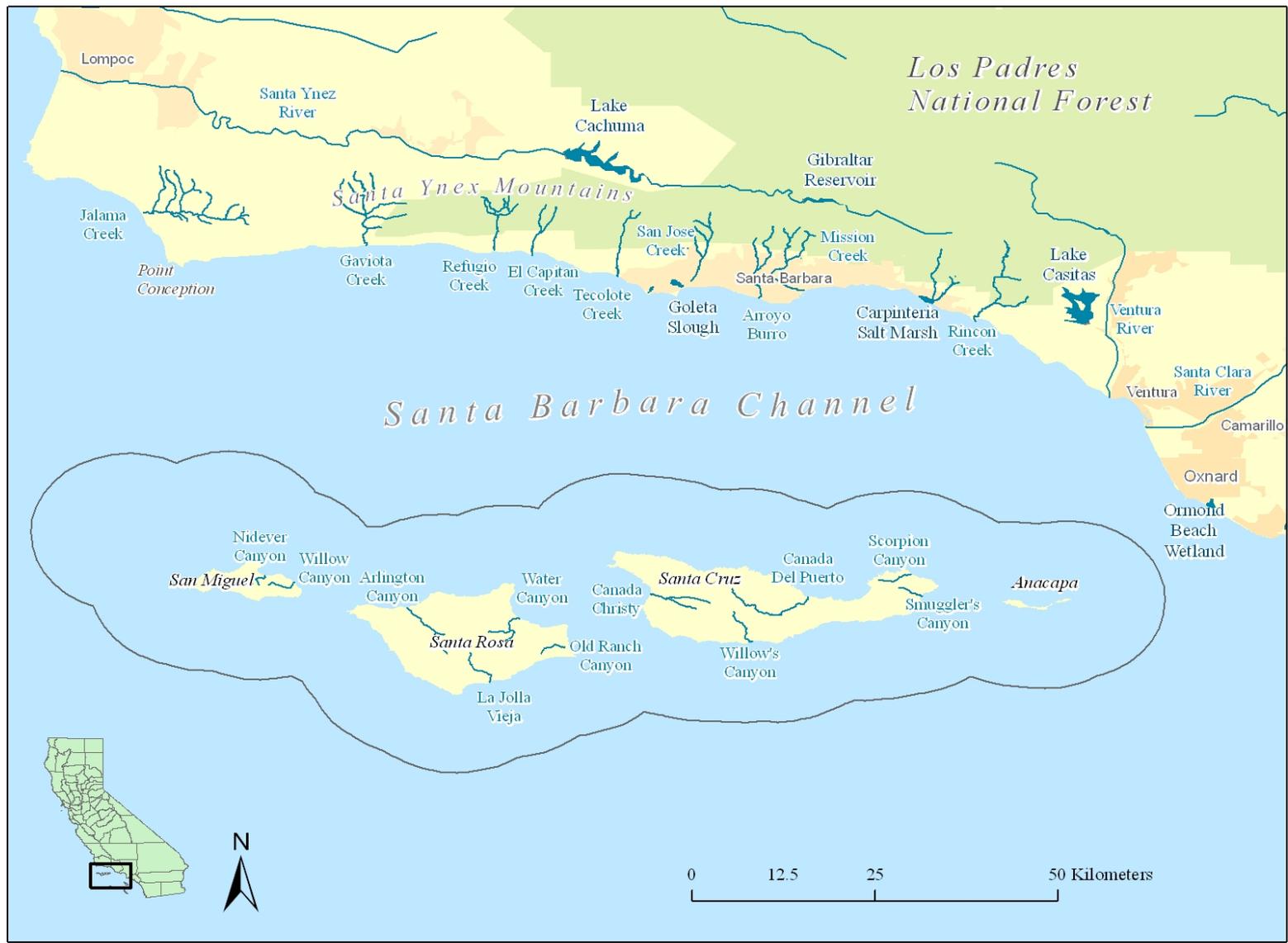
Santa Barbara Channelkeeper

Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands



Ben Pitterle
Watershed
Programs Director
March 17, 2011





3 Tiers

Tier 1 < 2004 Order

Tier 2 ~ 2004 Order

Tier 3 > 2004 Order

Tier 1

February - “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 - “Low Risk” =

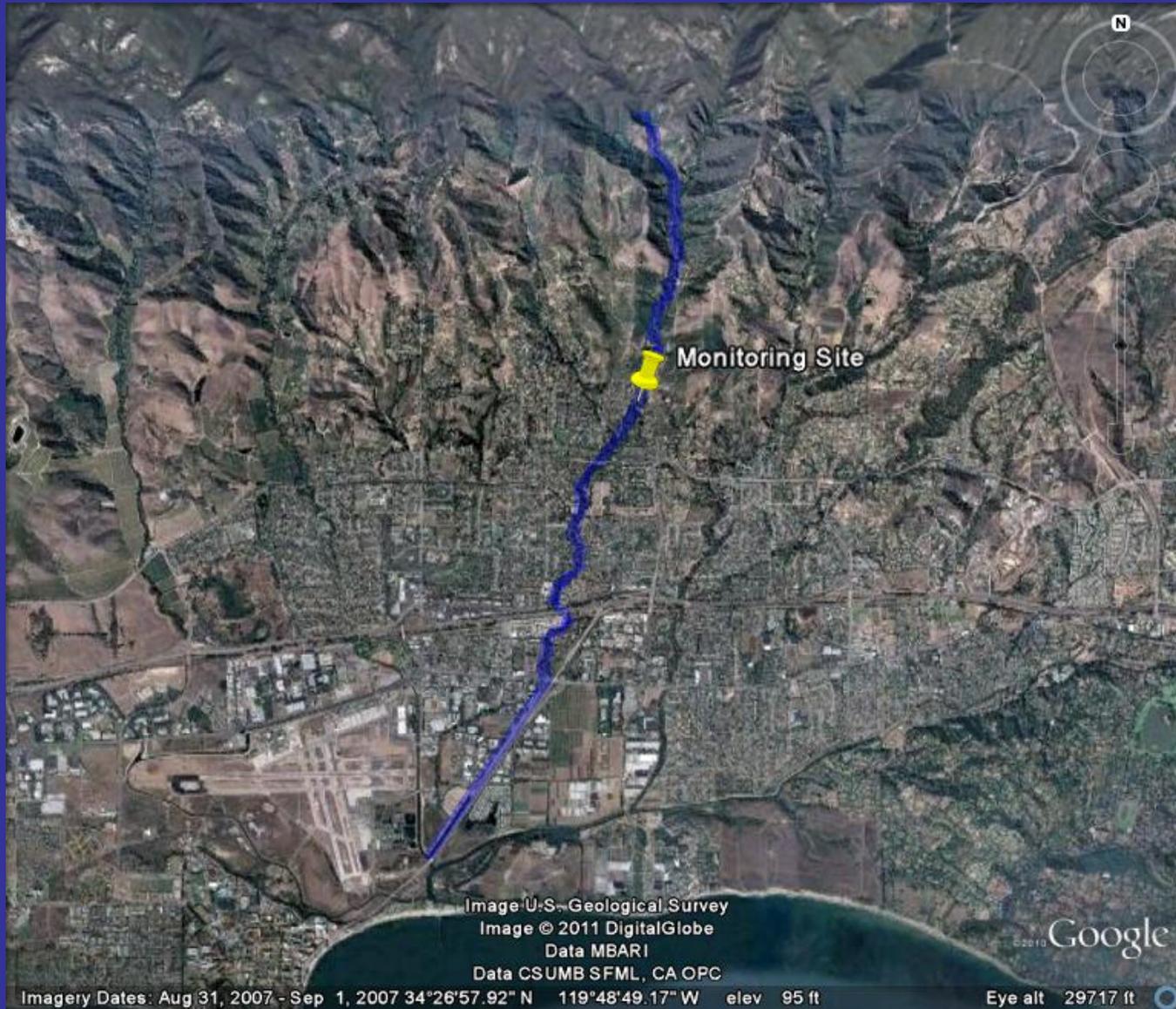
- a. Must eliminate ALL tailwater
- b. Greater than 1000 feet from any impaired surface waterbody identified on the 303(d) List

March – Tier 1 =

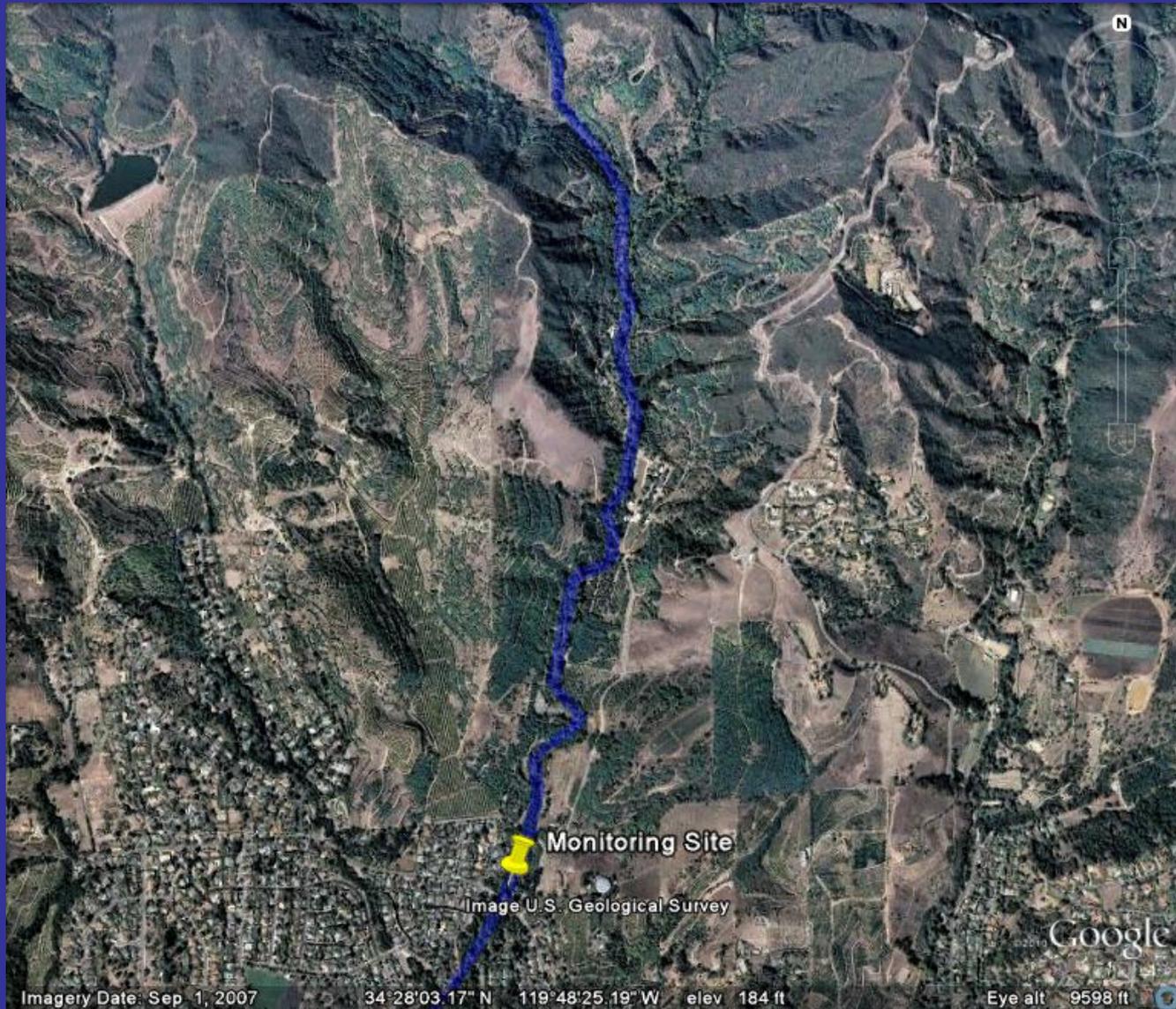
- 1)a. No chlorpyrifos or diazinon
- 1)b. More than 1000 from toxicity, pesticide, nutrient, turbidity, or sediment impaired water body
- 1)c. If discharger grows high nitrate risk crops then less than 1000 acres; and greater than 1000 feet from impaired public water system

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

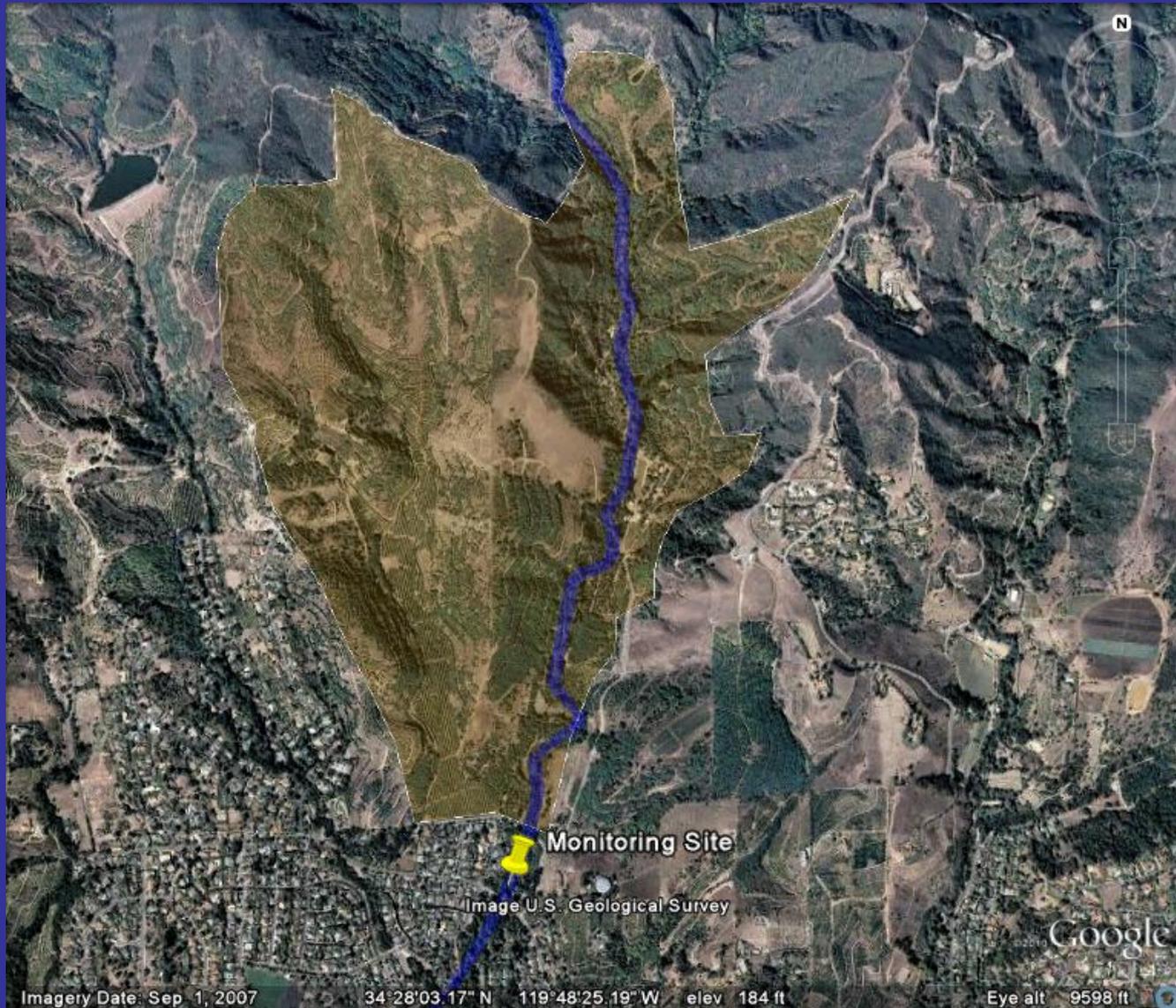
San Jose Creek



San Jose Creek



San Jose Creek



Imagery Date: Sep 1, 2007

34°28'03.17" N 119°48'25.19" W elev 184 ft

Eye alt 9598 ft

Google

San Jose Creek



Tier 1 should be reserved for Sustainability in Practice (SIP) certified or other certified programs approved by the Executive Officer – or- at a minimum require elimination of tailwater

Individual discharge monitoring

- February – All dischargers required to do individual discharge monitoring

Individual discharge monitoring

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

Milestones February:

- 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 – 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 March

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

75% reduction in turbidity or sediment

50% load reduction in nutrients

Nutrient and Irrigation Management

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

Nutrient and Irrigation Management

- February – All dischargers to any water body required to include specific irrigation and nutrient management information in Farm Plan
- March – 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 1000 acres in operation size

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

Tier 3?



Tier 3?

N Arroyo Paredon 

N Bell Creek 

N Carpinteria Marsh

N Glen Annie Creek 

N Franklin Creek 

N 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



Los Carneros Creek

Carpinteria Creek



Rincon Creek



Tier 3?

- No Irrigation and Nutrient Management Plans

- No Nitrogen Balance ratio targets

- No Individual Discharge Monitoring

Arroyo Paredon

Bell Creek

Carpinteria Marsh

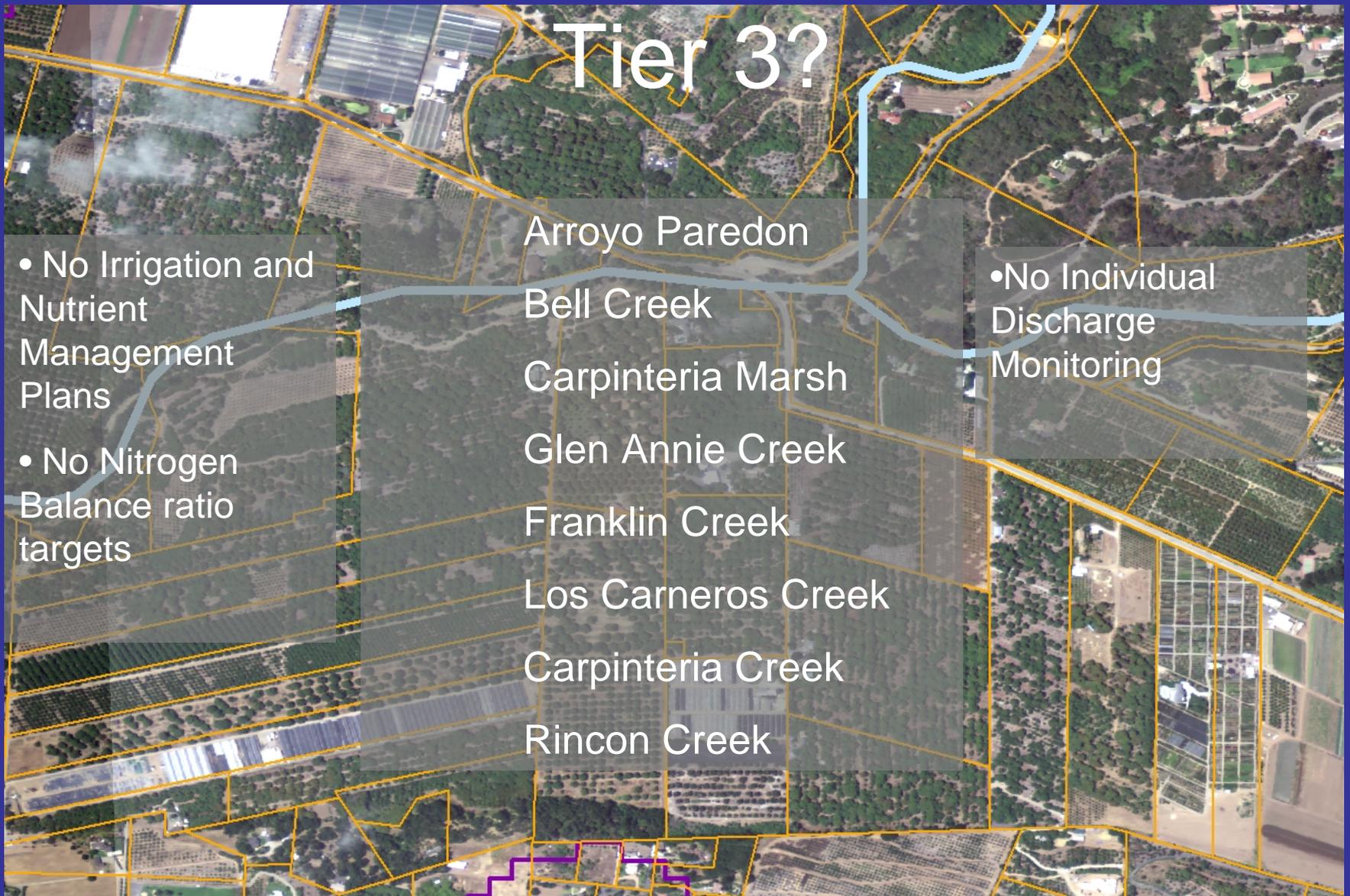
Glen Annie Creek

Franklin Creek

Los Carneros Creek

Carpinteria Creek

Rincon Creek



- Attachment A, Section 78: “A CMP follow-up study on sediment toxicity (CCWQP, 2010d, in draft) showed pyrethroid pesticides to be the most prevalent and severe source of toxicity to sediments”

Add “pyrethroid pesticides” to the Tier 3 criteria

Riparian Buffers

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



Riparian Buffers

- February – All growers required to have 50 foot buffers minimum.
- March – Only growers adjacent to sediment, turbidity, temperature impaired water bodies must develop a “Water Quality Buffer Plan”

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

Tecolote Creek
Bell Creek
Glen Annie Creek
Los Carneros Creek
San Pedro Creek
Las Vegas Creek
San Jose Creek
Maria Ygnacio Creek

Los Pasitas Creek
Toro Creek
Arroyo Paredon
Santa Monica Creek
Franklin Creek
Carpinteria Creek
Rincon Creek

th

Image U.S. Geological Survey

Google

Tecolote Creek
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