

Ammonia Site-Specific Objectives for the San Gabriel, Los Angeles & Santa Clara Watersheds

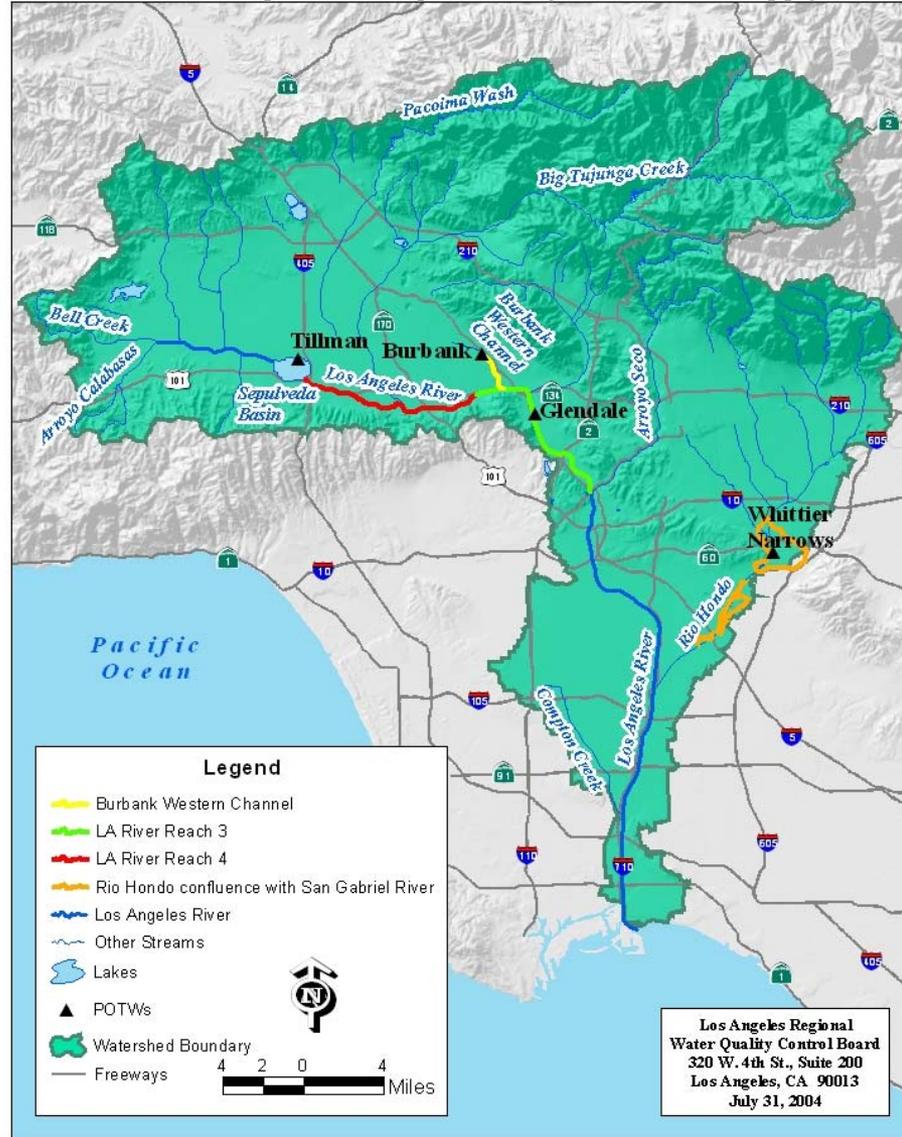
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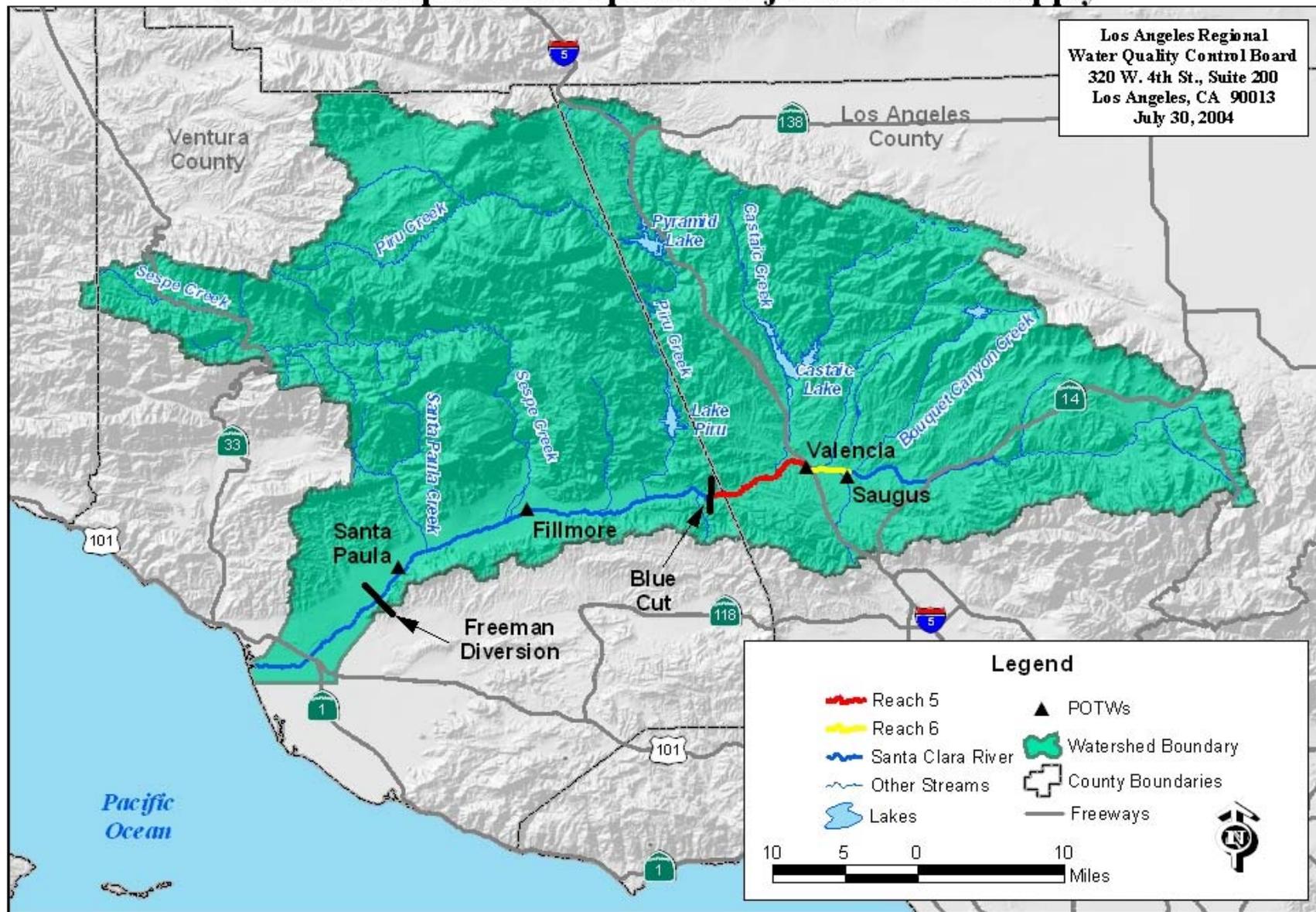
Response to Comments

- Comment Letters

Los Angeles River Reaches to which Proposed Site Specific Objectives Would Apply



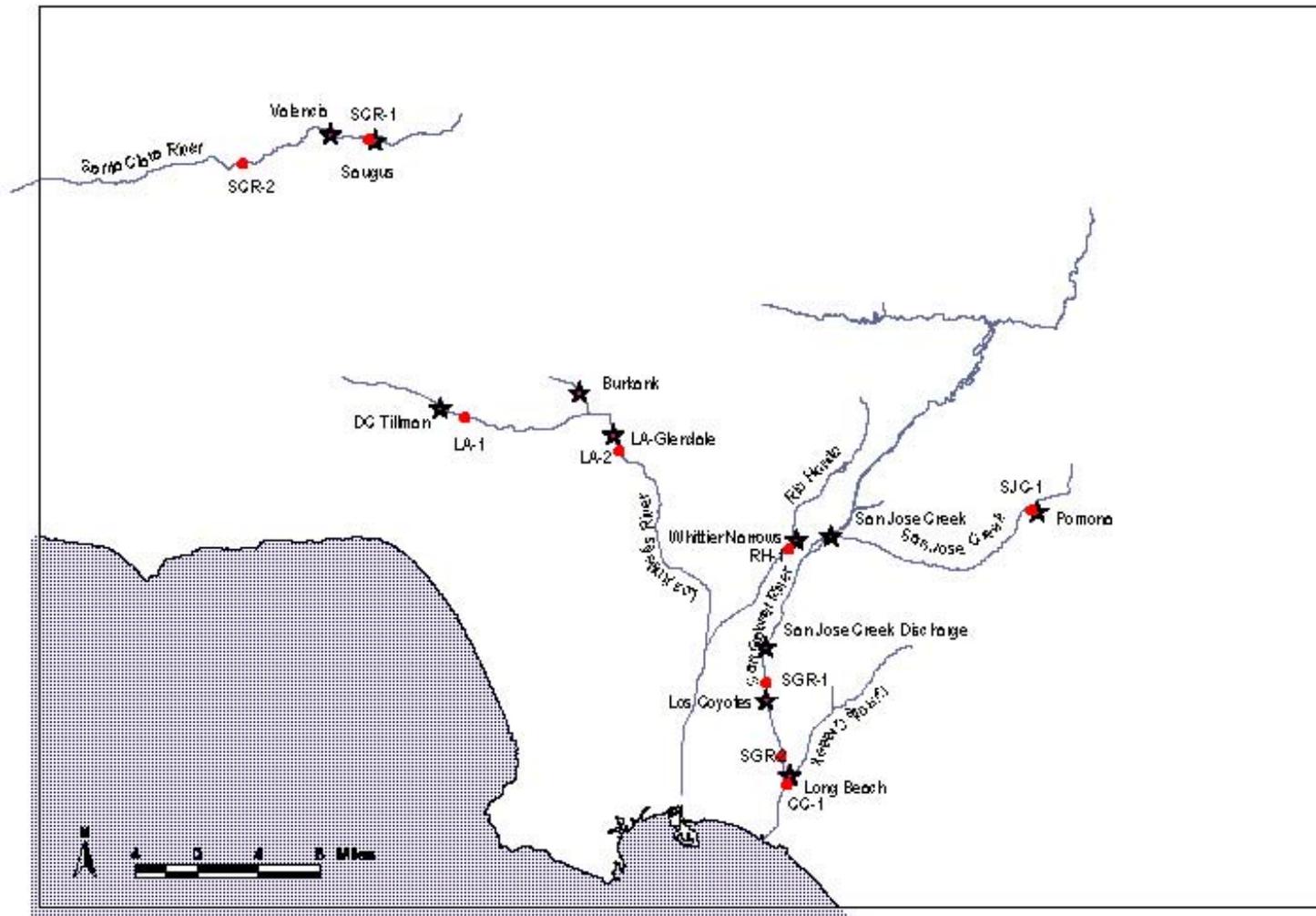
Santa Clara River Reaches to which Proposed Site Specific Objectives Would Apply



Study Plan and Methods

- 30-day average (chronic) SSOs for Ammonia
- 1-hr average (acute) objective

Sampling Locations



Data Collection

- Collected from October 2000 to February 2003
- 4 to 5 Samples
- 3 Samples
- Evaluation of Critical Condition
 - Seasonal
 - Dry Season, Dry Weather Event
 - Wet Season, Dry Weather Event
 - Wet Weather Event

Early Life Stage (ELS)

- Criteria used:
 - Below 15 degrees Celsius
 - Physical Conditions

Comparison of Ammonia Objectives (mg/L as N)

| Waterbody | Site | Average pH | Early Life Stage Absent Period | | Early Life Stage Present Period | |
|--------------------------------------|------|------------|--------------------------------|-------------------------------|---------------------------------|-------------------------------|
| | | | SSO | Basin Plan Regional Objective | SSO | Basin Plan Regional Objective |
| Los Angeles River Reach 5 | LA1 | 8.0 | 3.36 | 1.71 | 2.43 | 1.71 |
| Los Angeles River Reach 4 | LA1 | 8.0 | 3.36 | 1.71 | N/A | N/A |
| Los Angeles River Reach 3 | LA2 | 7.6 | 5.49 | 2.79 | 3.98 | 2.79 |
| Burbank Western Channel | BW1 | 8.0 | 2.58 | 1.71 | N/A | N/A |
| San Gabriel River Reaches 2 and 3 | SGR1 | 7.5 | 5.22 | 3.06 | 4.55 | 3.06 |
| San Gabriel River Reach 1 | SGR2 | 8.3 | 2.47 | 1.07 | N/A | N/A |
| San Jose Creek | SJC1 | 7.4 | 4.99 | 3.32 | 4.99 | 3.32 |
| Rio Hondo above Whittier Narrows Dam | RH1 | 7.5 | 6.43 | 3.06 | N/A | N/A |
| Coyote Creek | CC1 | 7.7 | 5.13 | 2.51 | N/A | N/A |
| Santa Clara River Reach 6 | SCR1 | 7.3 | 7.97 | 3.57 | 5.08 | 3.57 |
| Santa Clara River Reach 5 | SCR2 | 7.8 | 4.93 | 2.23 | 3.18 | 2.23 |

Additional Monitoring

- Required, if necessary.

Conclusion

- Questions or Comments?