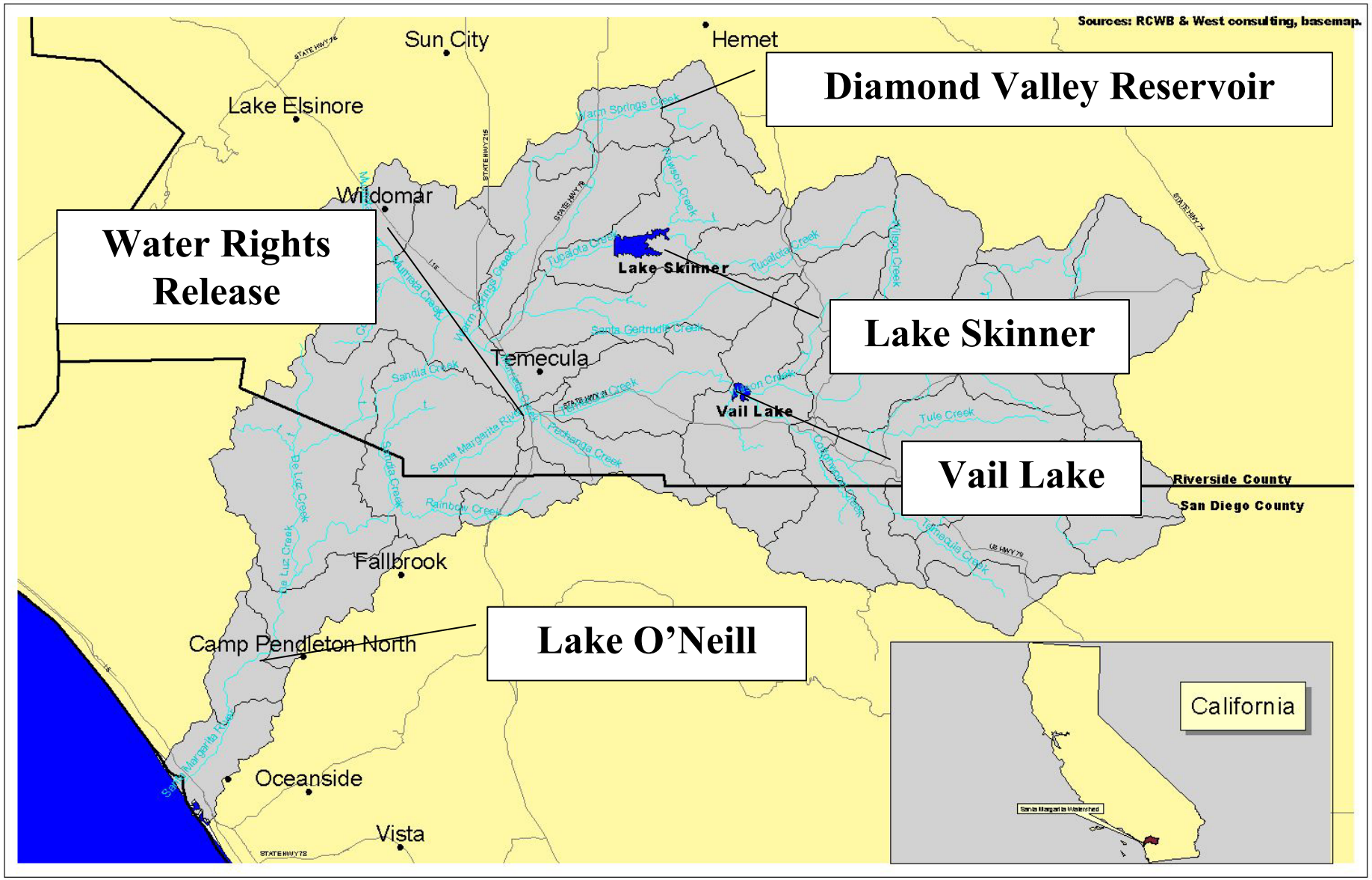
Appendix B
Reservoir Control Information



4 0 4 8 Miles

Scale

CDM
Camp Dresser & McKee Inc.

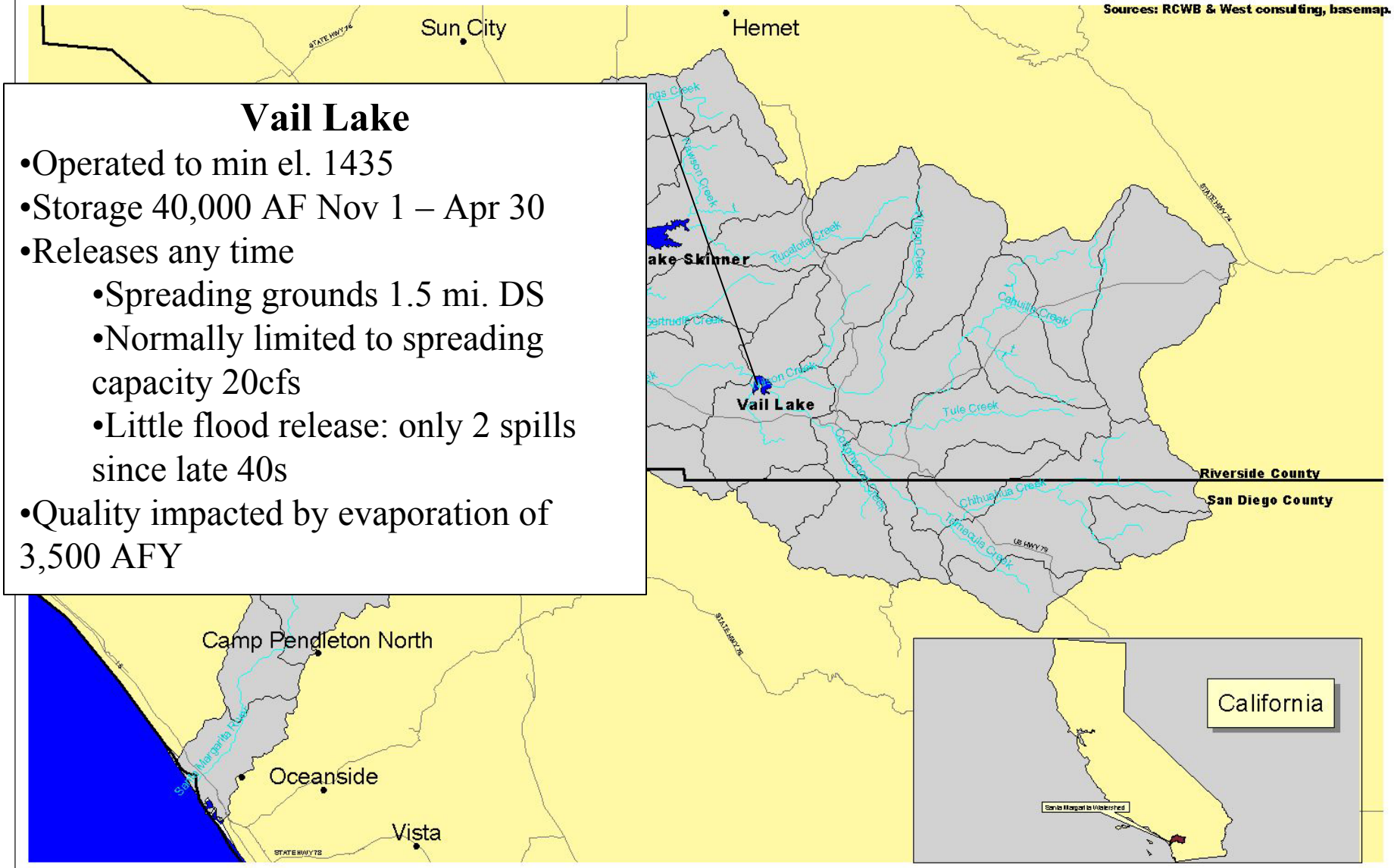
Legend
- City
- Highway
- Stream
- Water Body
- Santa Margarita Sub Watershed Boundary

N

Figure 1 -1
Location Map
Santa Margarita Watershed

Vail Lake

- Operated to min el. 1435
- Storage 40,000 AF Nov 1 – Apr 30
- Releases any time
  - Spreading grounds 1.5 mi. DS
  - Normally limited to spreading capacity 20cfs
  - Little flood release: only 2 spills since late 40s
- Quality impacted by evaporation of 3,500 AFY



4 0 4 8 Miles

Scale

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Figure 1 -1
Location Map
Santa Margarita Watershed

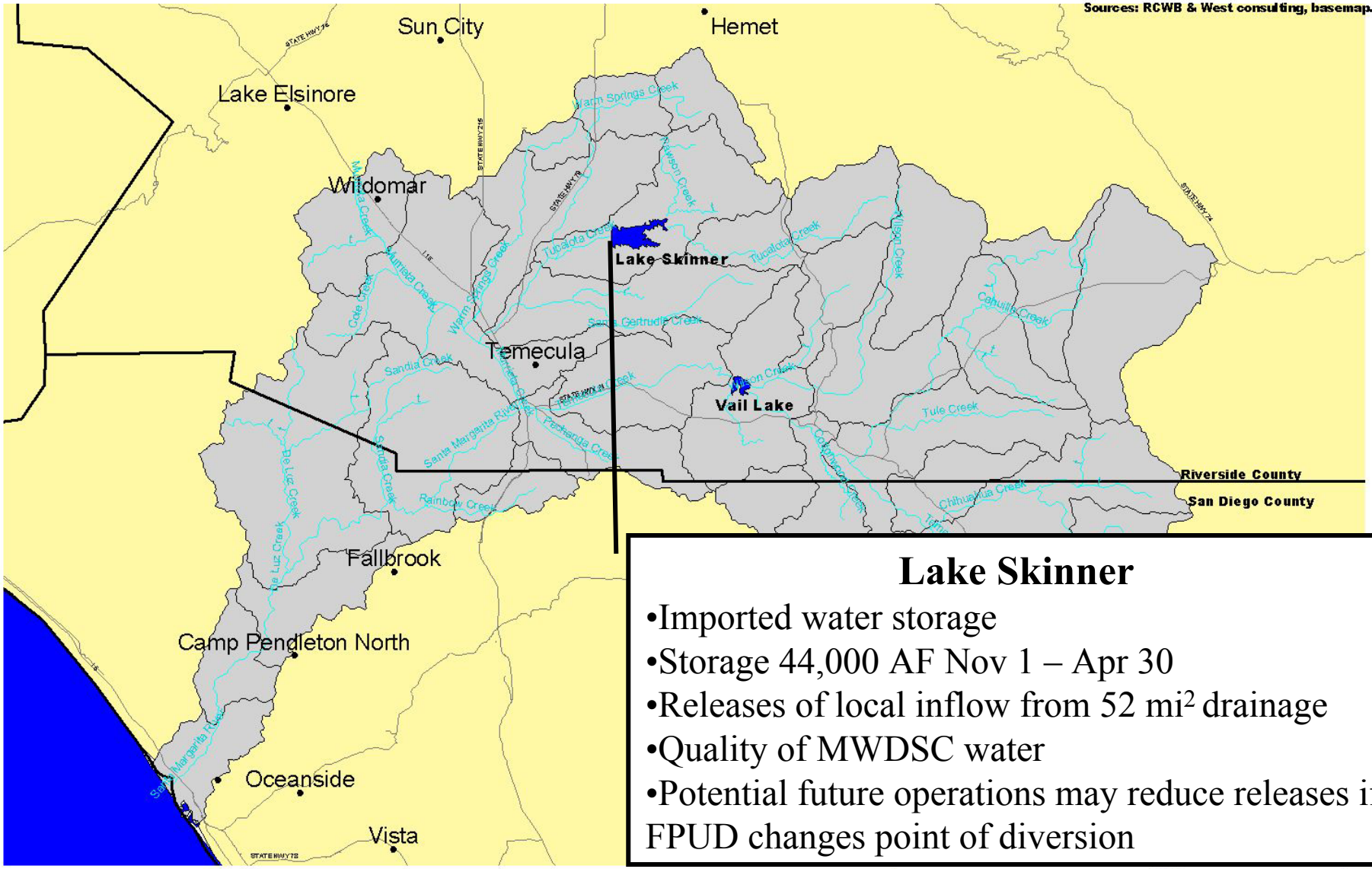

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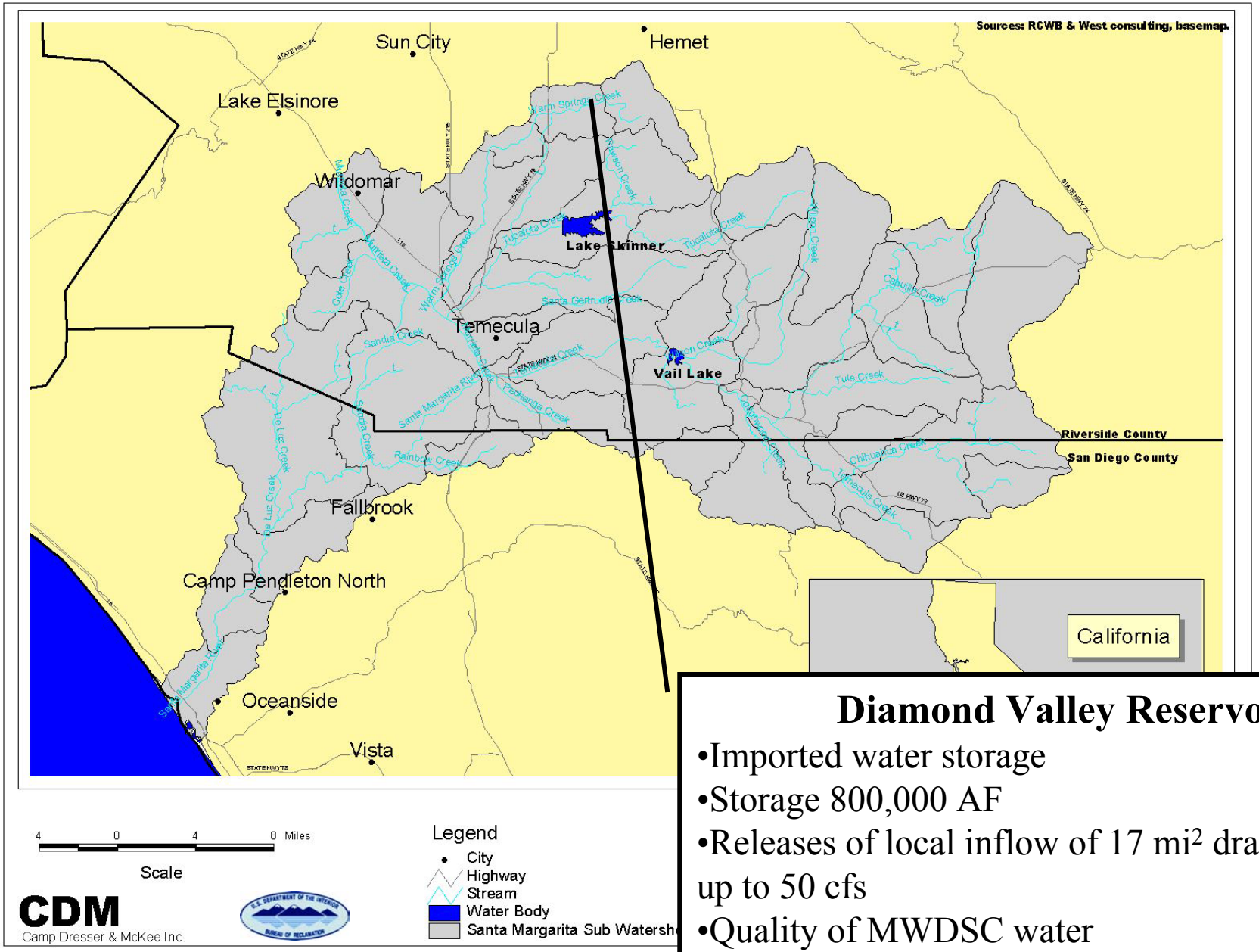
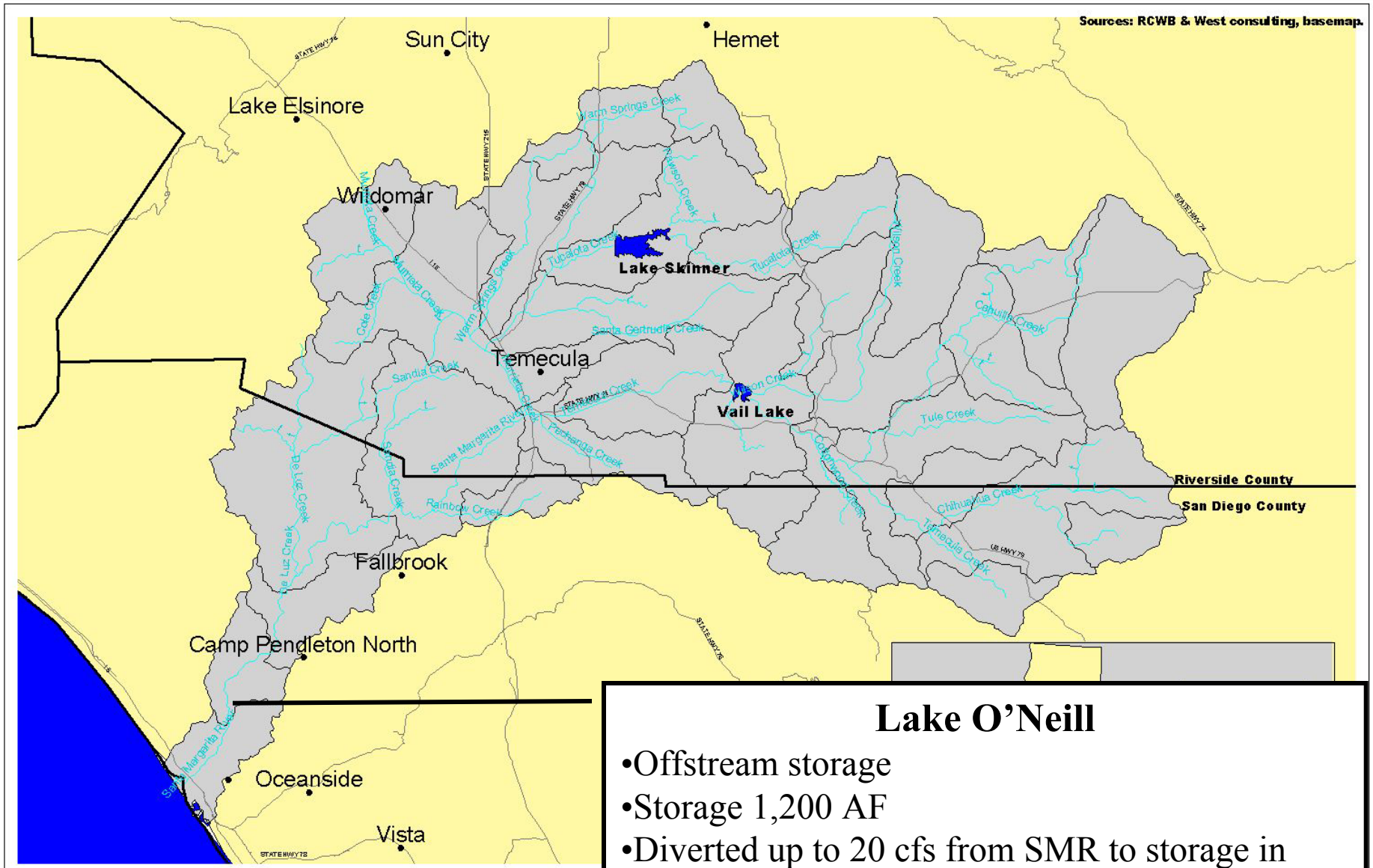
Figure 1 -1
Location Map
Santa Margarita Watershed



Diamond Valley Reservoir

- Imported water storage
- Storage 800,000 AF
- Releases of local inflow of 17 mi^2 drainage area up to 50 cfs
- Quality of MWDSC water



Lake O'Neill

- Offstream storage
- Storage 1,200 AF
- Diverted up to 20 cfs from SMR to storage in spring
- Released in late fall 8 –10 cfs for recharge
- Somewhat lower quality due to evaporation

4 0 4 8 Miles

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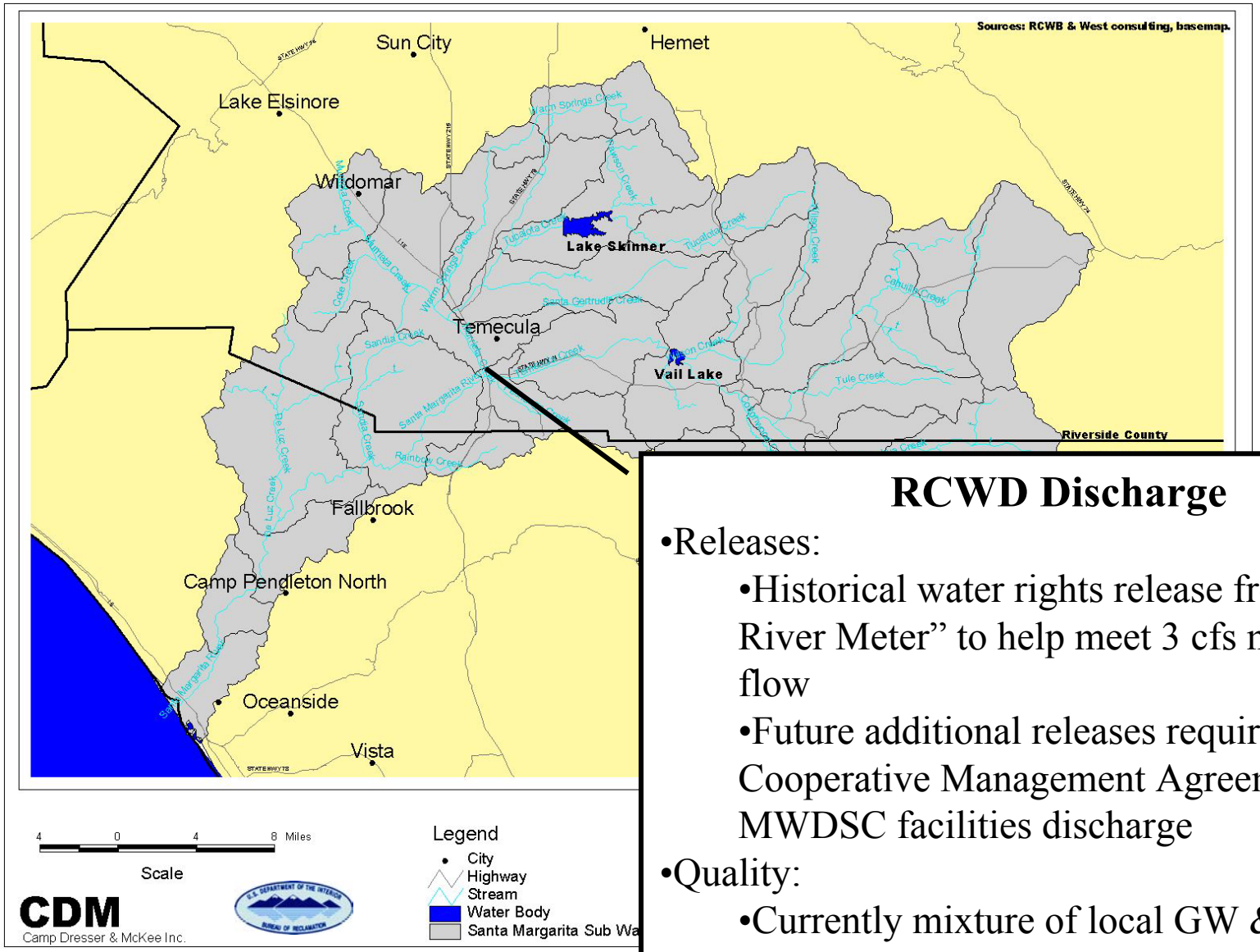

RCWD Discharge

- Releases:
  - Historical water rights release from "System River Meter" to help meet 3 cfs minimum flow
  - Future additional releases required under Cooperative Management Agreement from MWDSC facilities discharge
- Quality:
  - Currently mixture of local GW & MWDSC water
  - Future MWDSC water

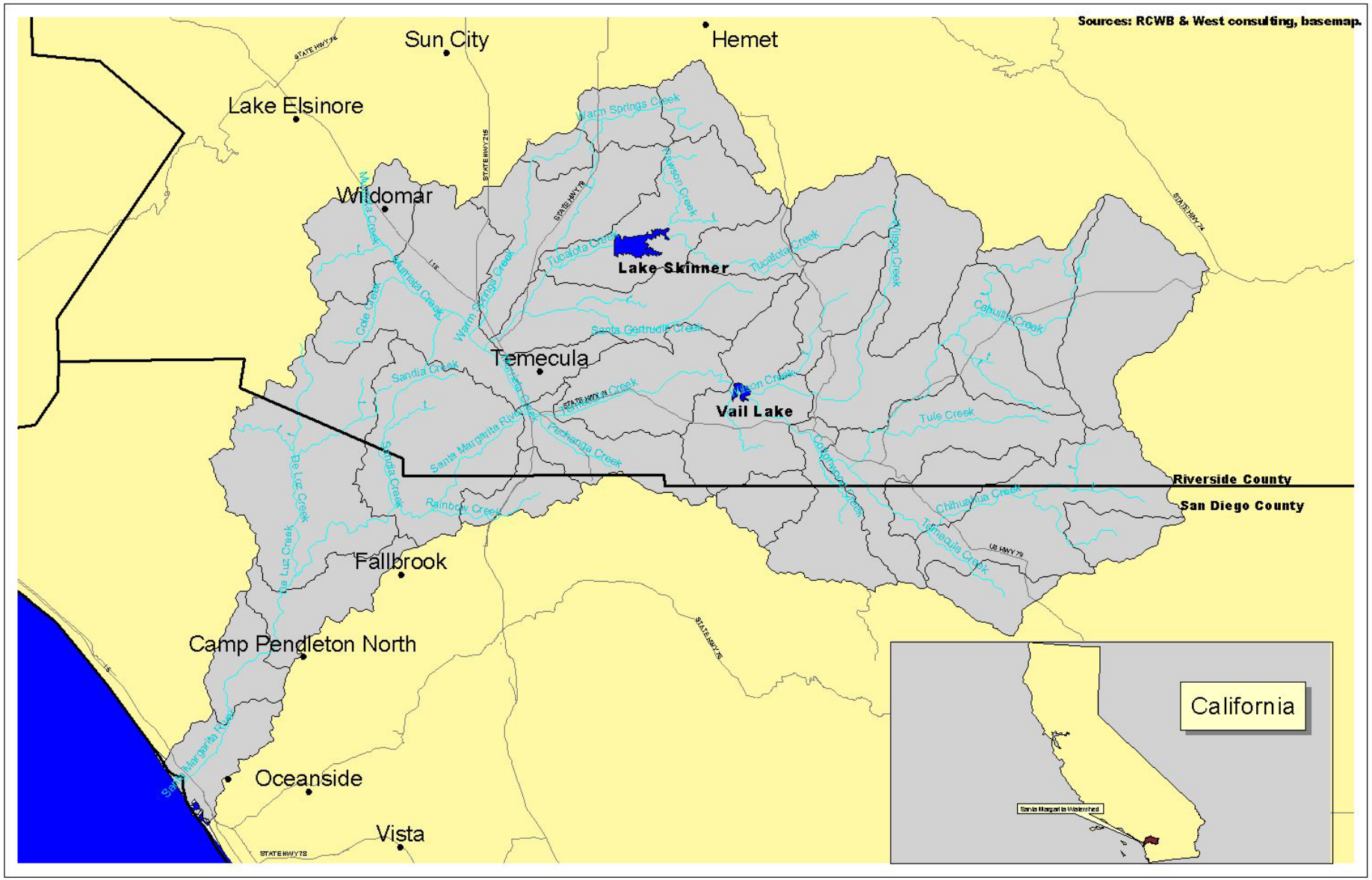

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Figure 1 -1

Location Map
Santa Margarita Watershed