

Figure 1-1. Santa Ynez River Watershed

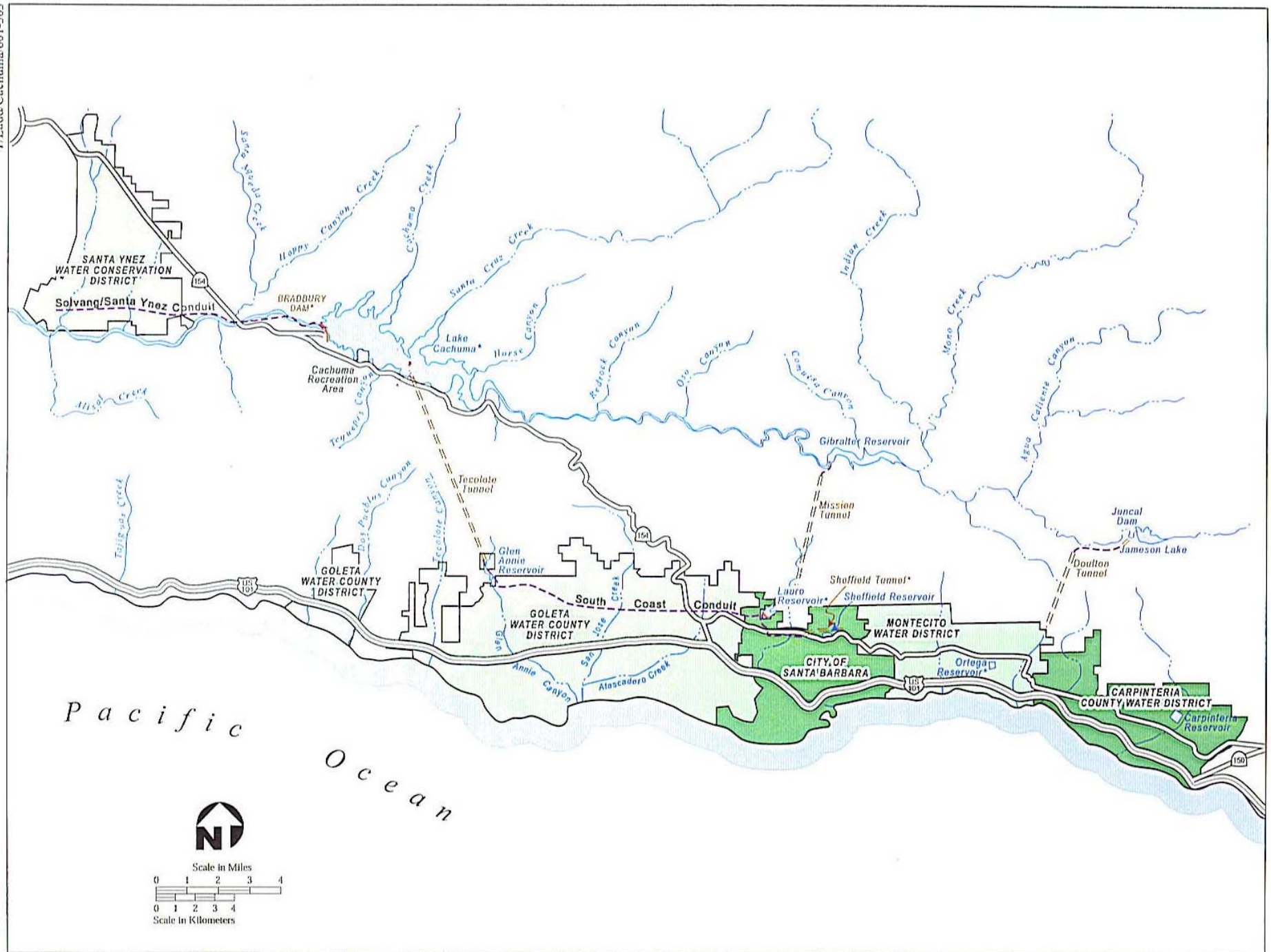


Figure 1-2. Cachuma Project Facilities and Member Units

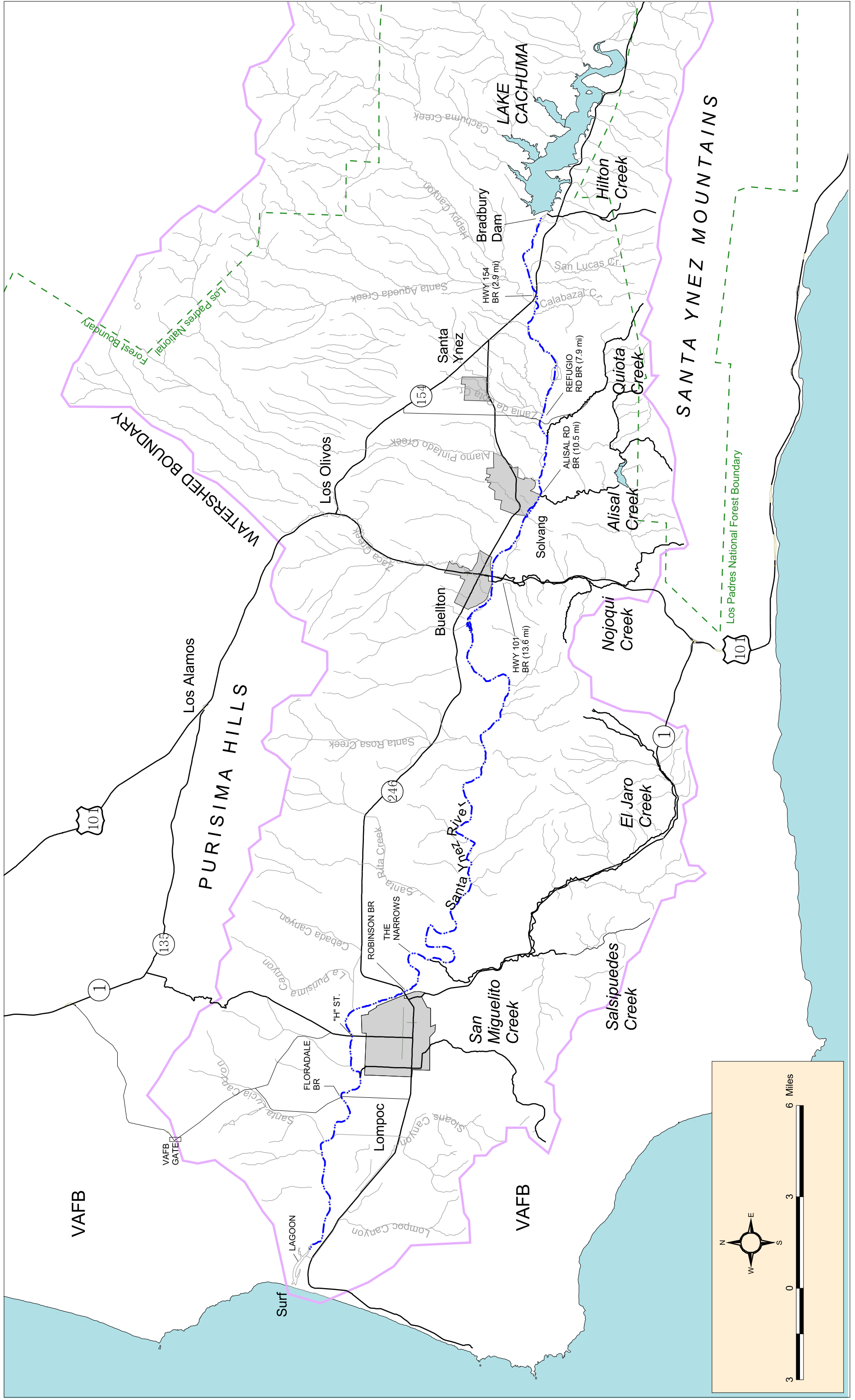


FIGURE 1-3. Lower Santa Ynez River Below Bradbury Dam

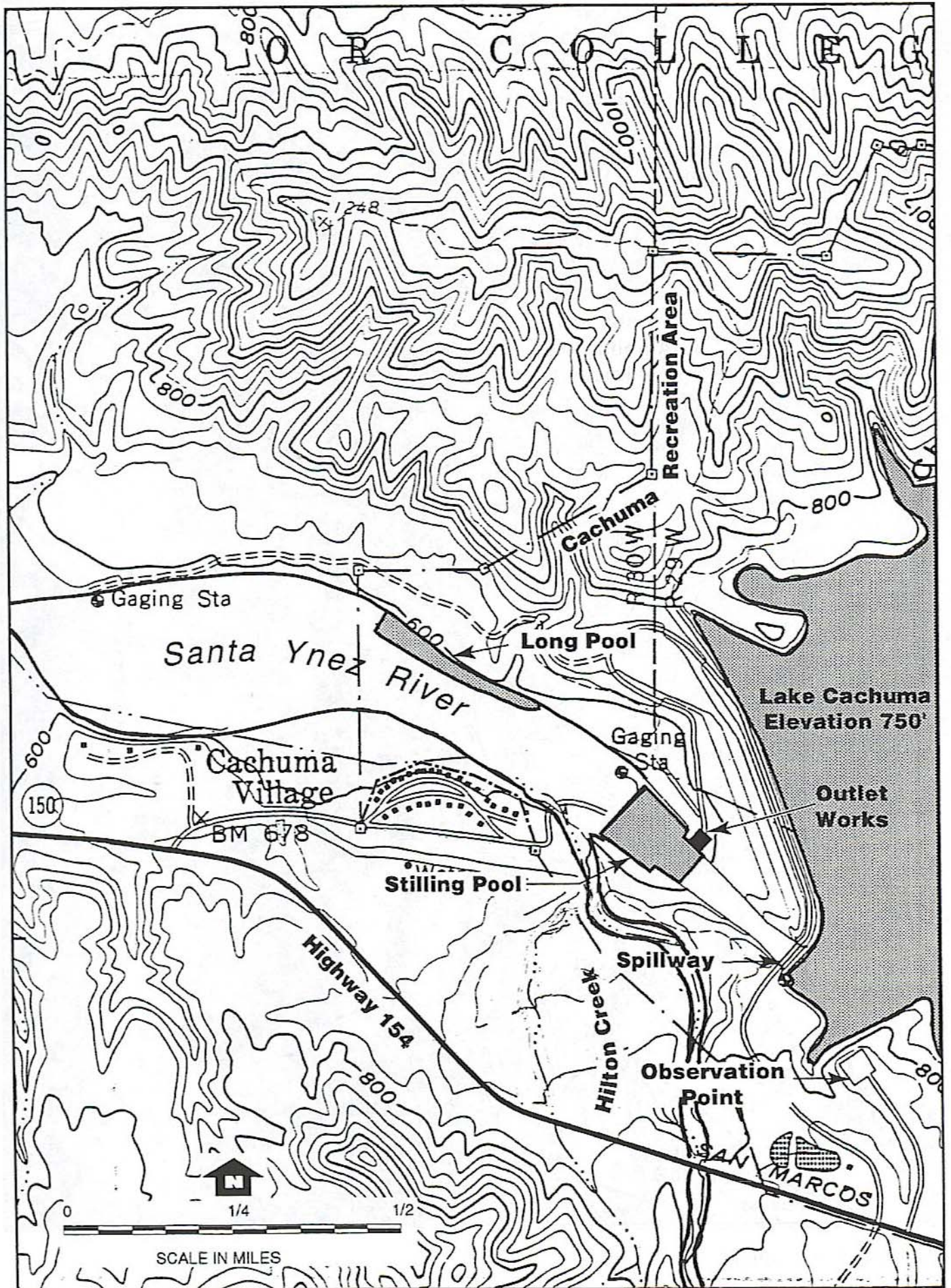


Figure 2-1 Bradbury Dam

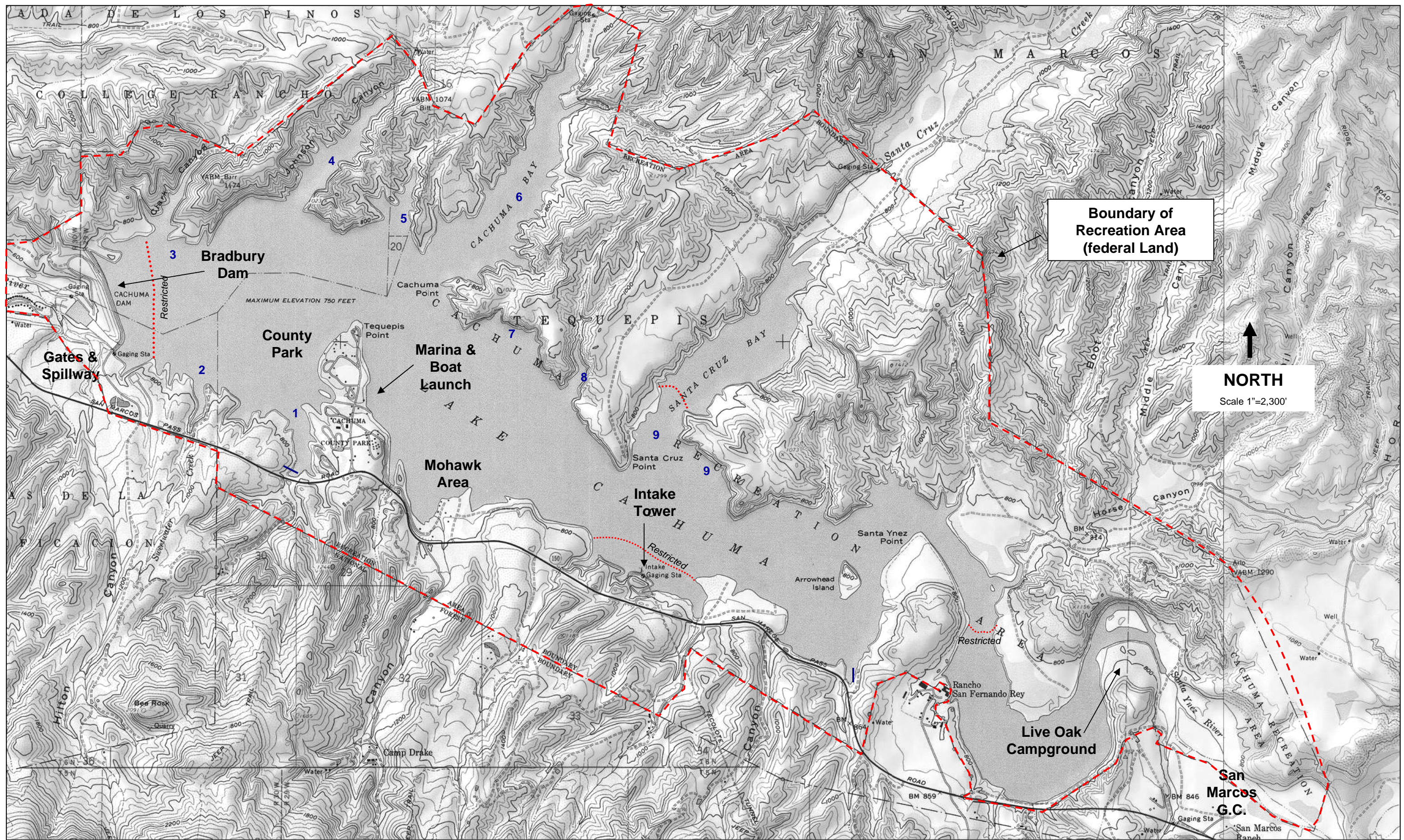


Figure 2-2. Lake Cachuma

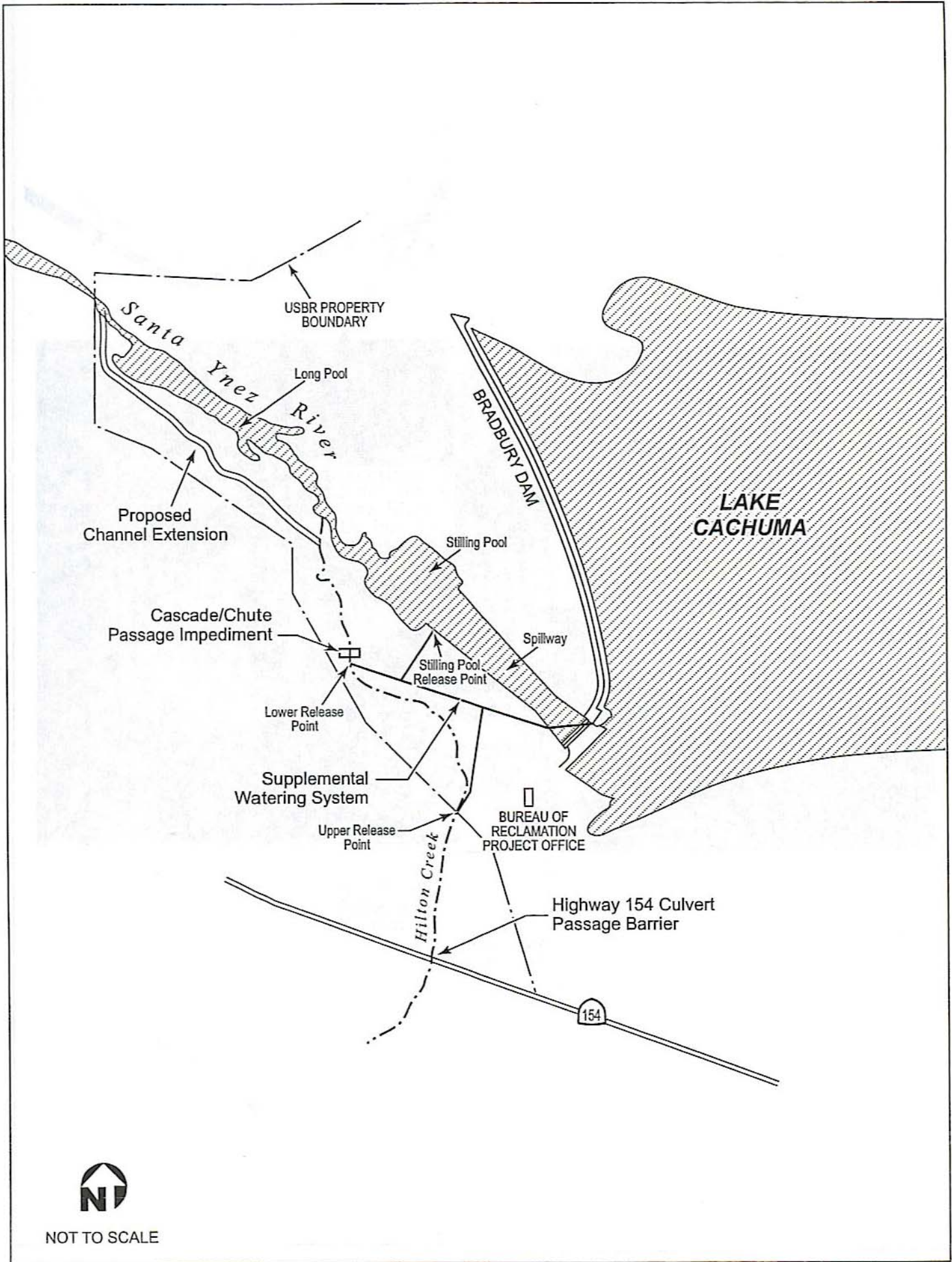


Figure 2-3. Hilton Creek Enhancement Projects

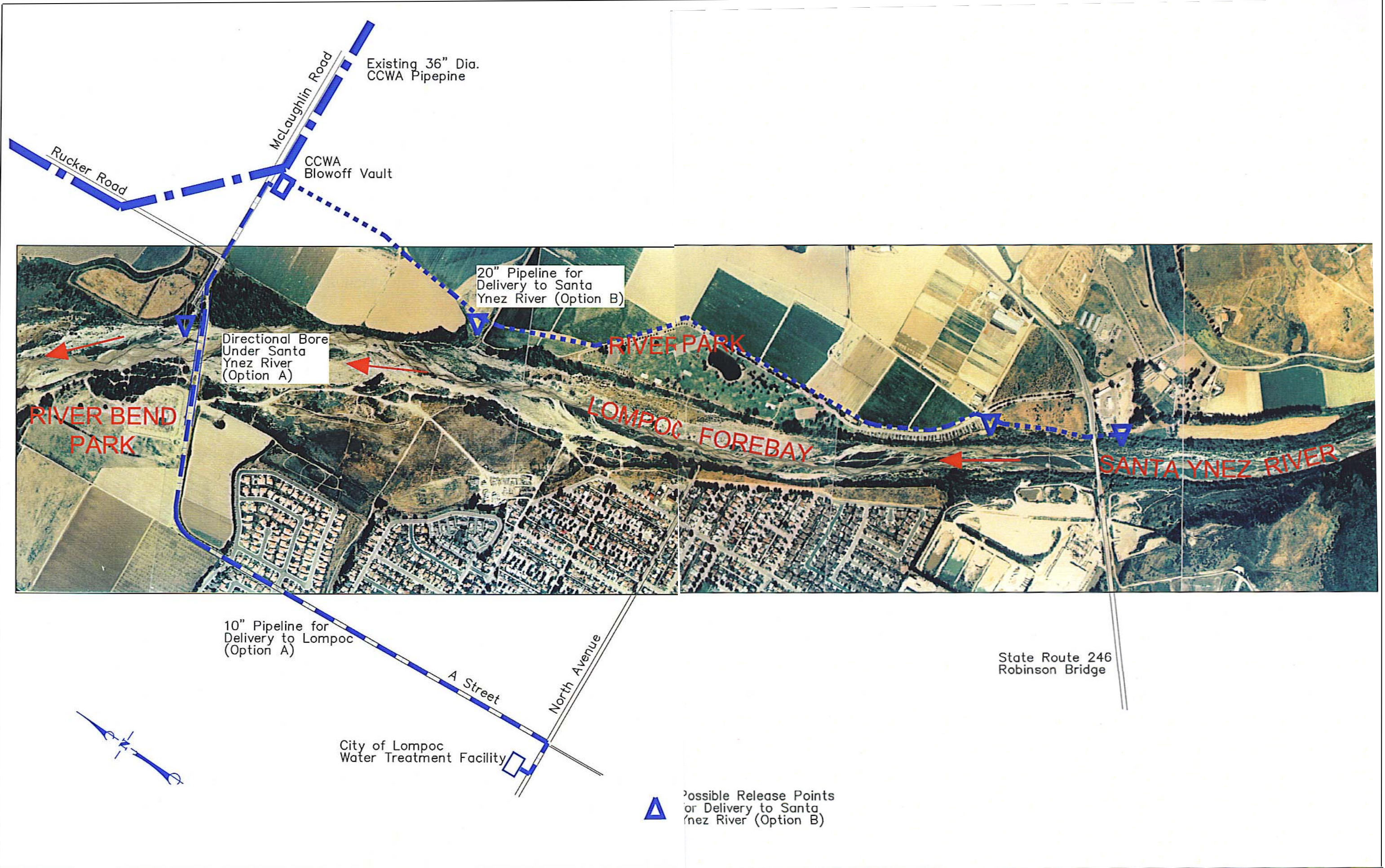


Figure 3-1. Below Narrows Exchange Project Facilities

**SCHEMATIC PRESENTATION OF THE HYDROLOGIC MODEL  
FOR THE SANTA YNEZ WATERSHED  
(SYRHM)**

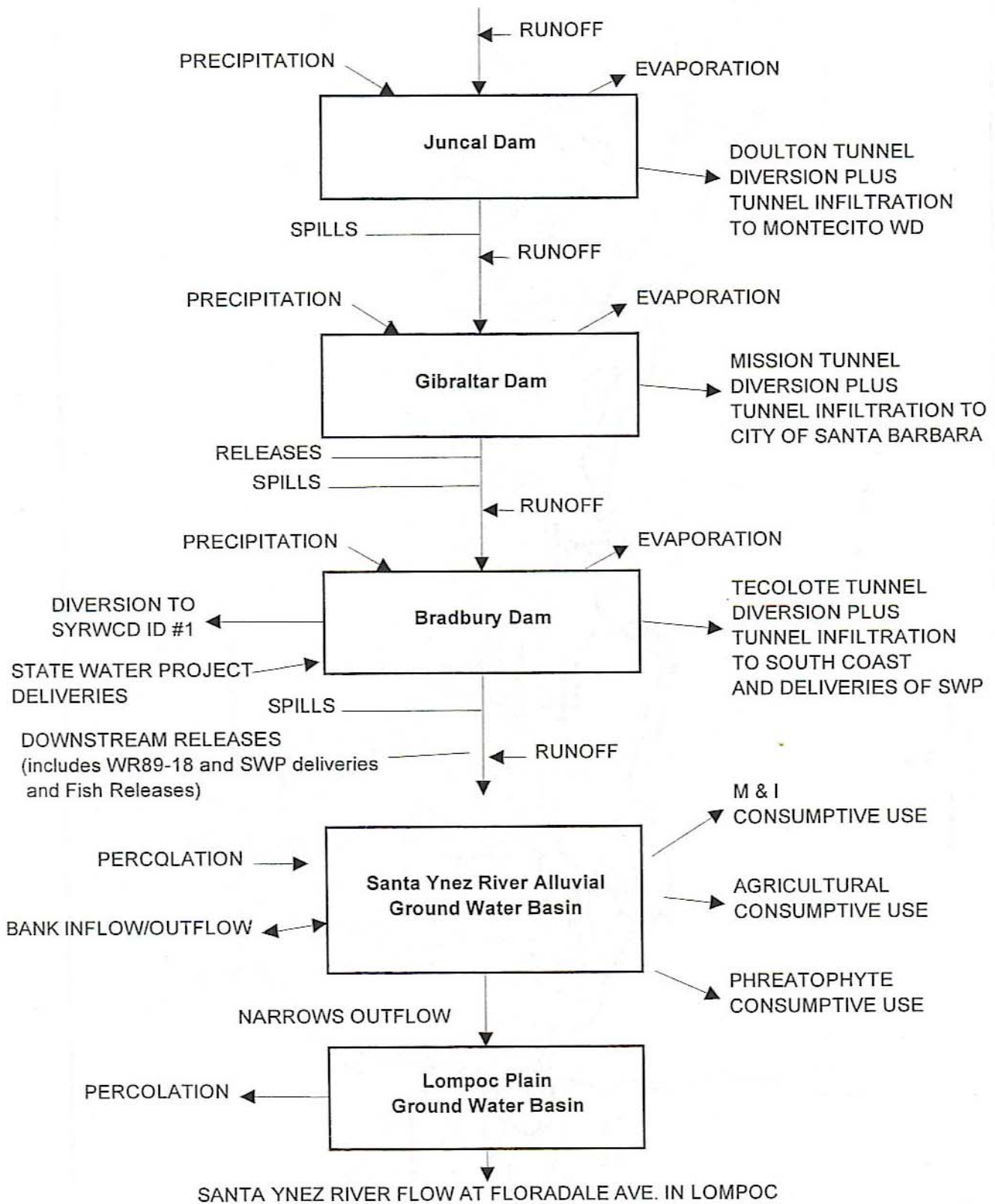


Figure 4-1 Overview of Santa Ynez River Hydrology Model



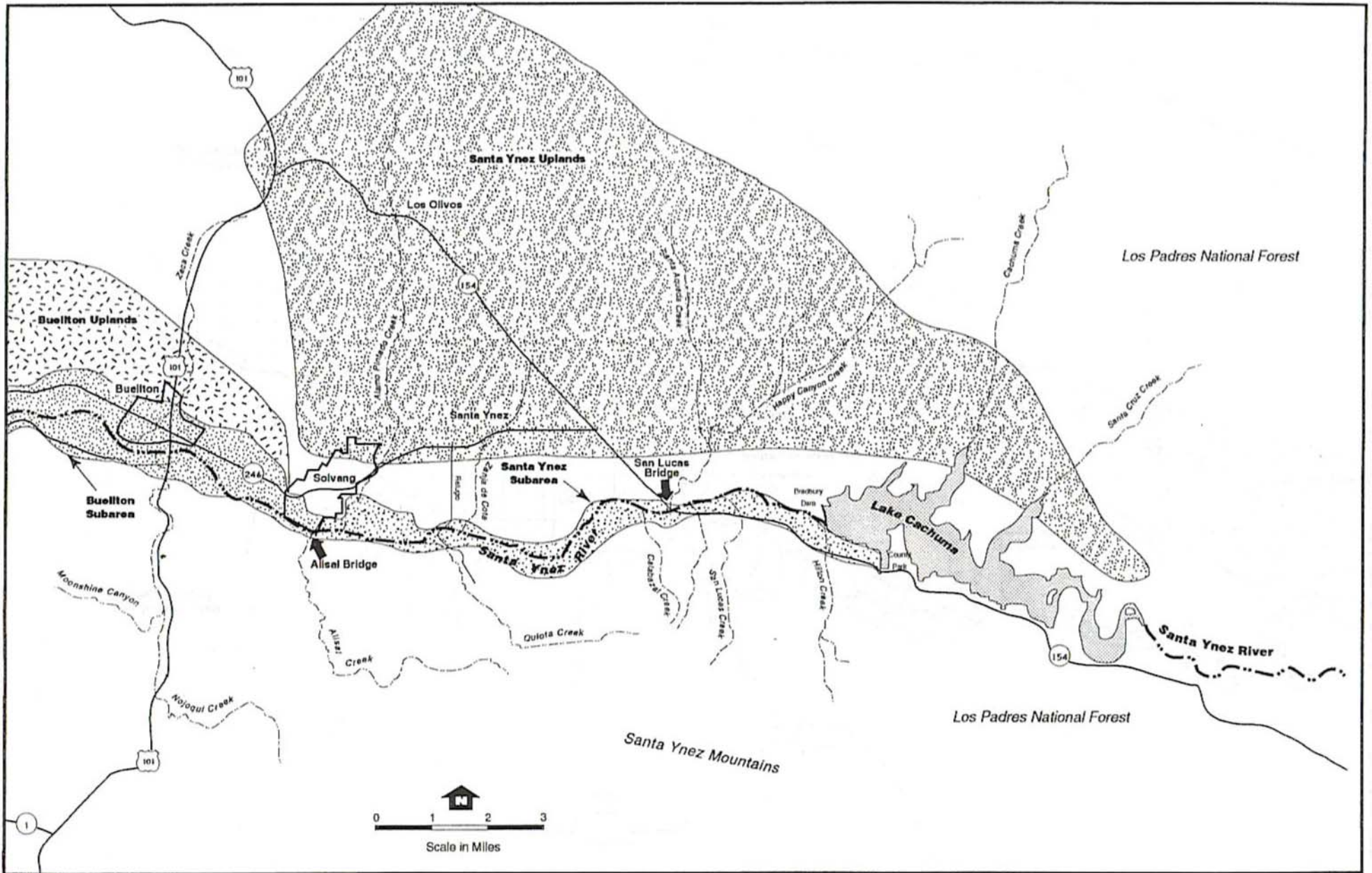


Figure 4-2a Groundwater Basins Below Lake Cachuma

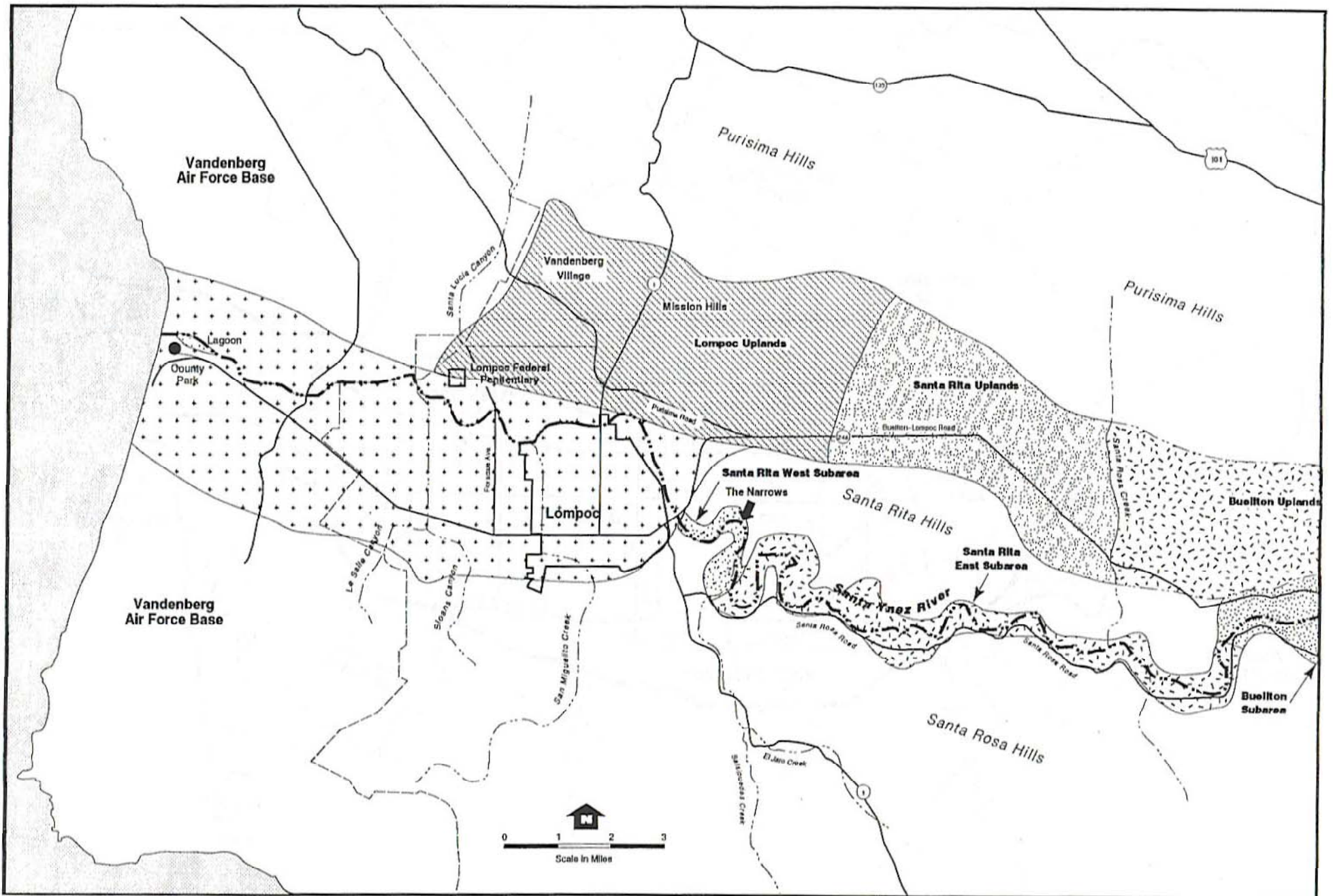


Figure 4-2b Groundwater Basins Below Lake Cachuma

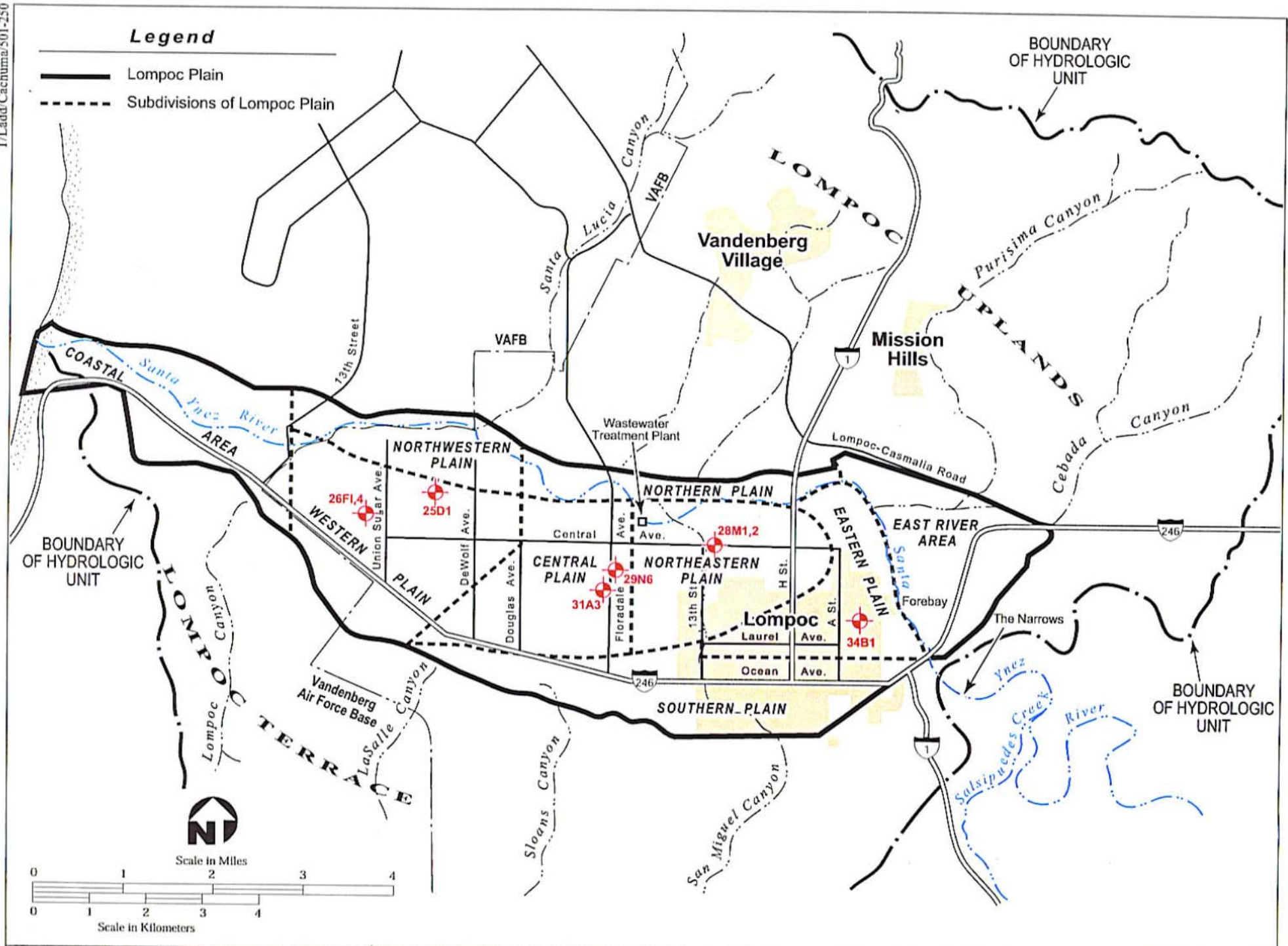
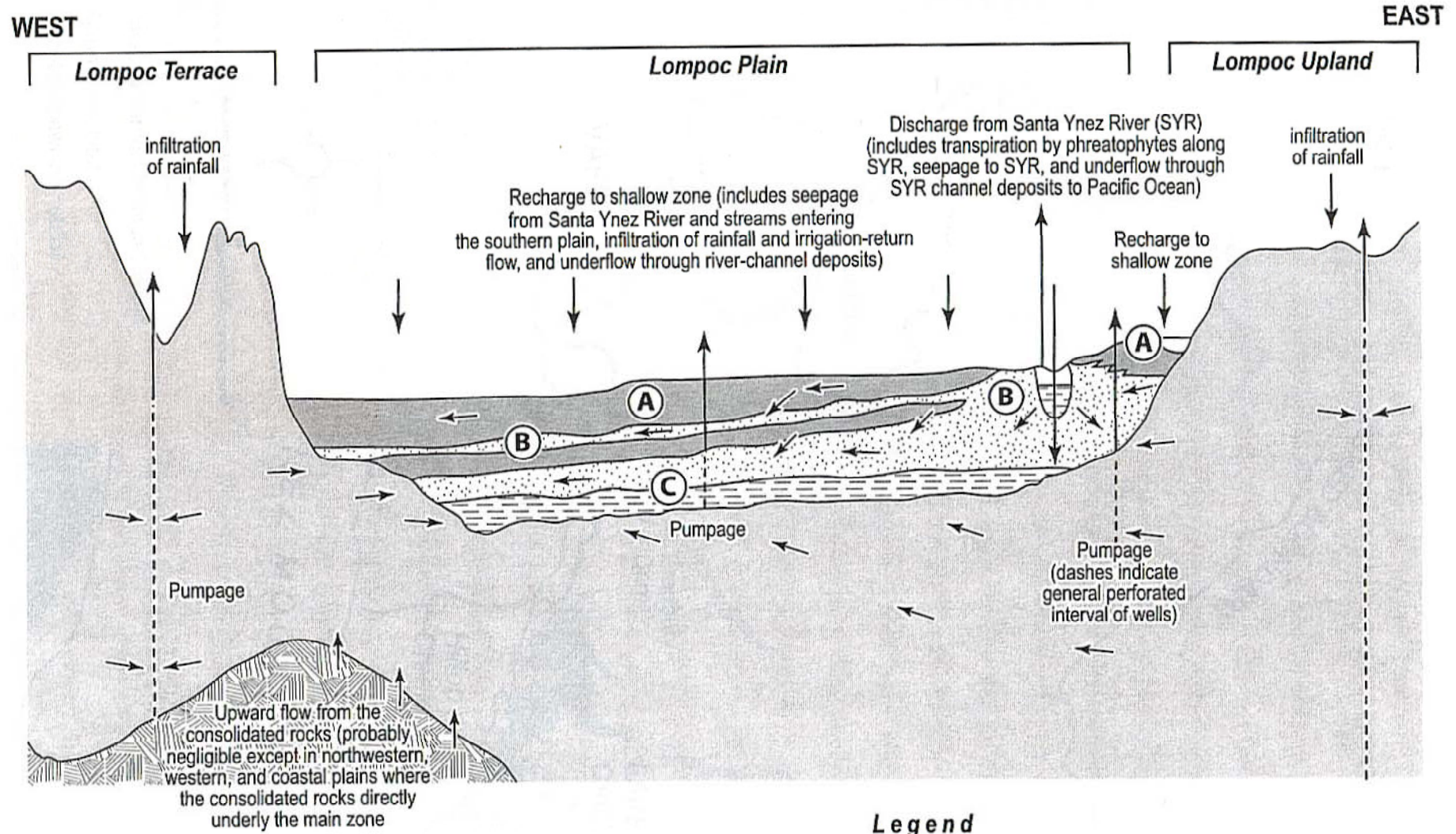








Figure 4-3. Boundaries of the Lompoc Plain Basin and Key Wells



	Silt and Clay		Lower zone	<b>Upper Aquifer</b>	
	Sand-Contains Some Gravel and Lenses of Silt and Clay		Consolidated Rocks	<b>(A)</b>	Lower Zone
	Gravel		Direction of Groundwater Flow	<b>(B)</b>	Consolidated Rocks
				<b>(C)</b>	Direction of Groundwater Flow

Source: Bright et al. 1997

Figure 4-4. Conceptualization of Groundwater Flow in the Lompoc Basin

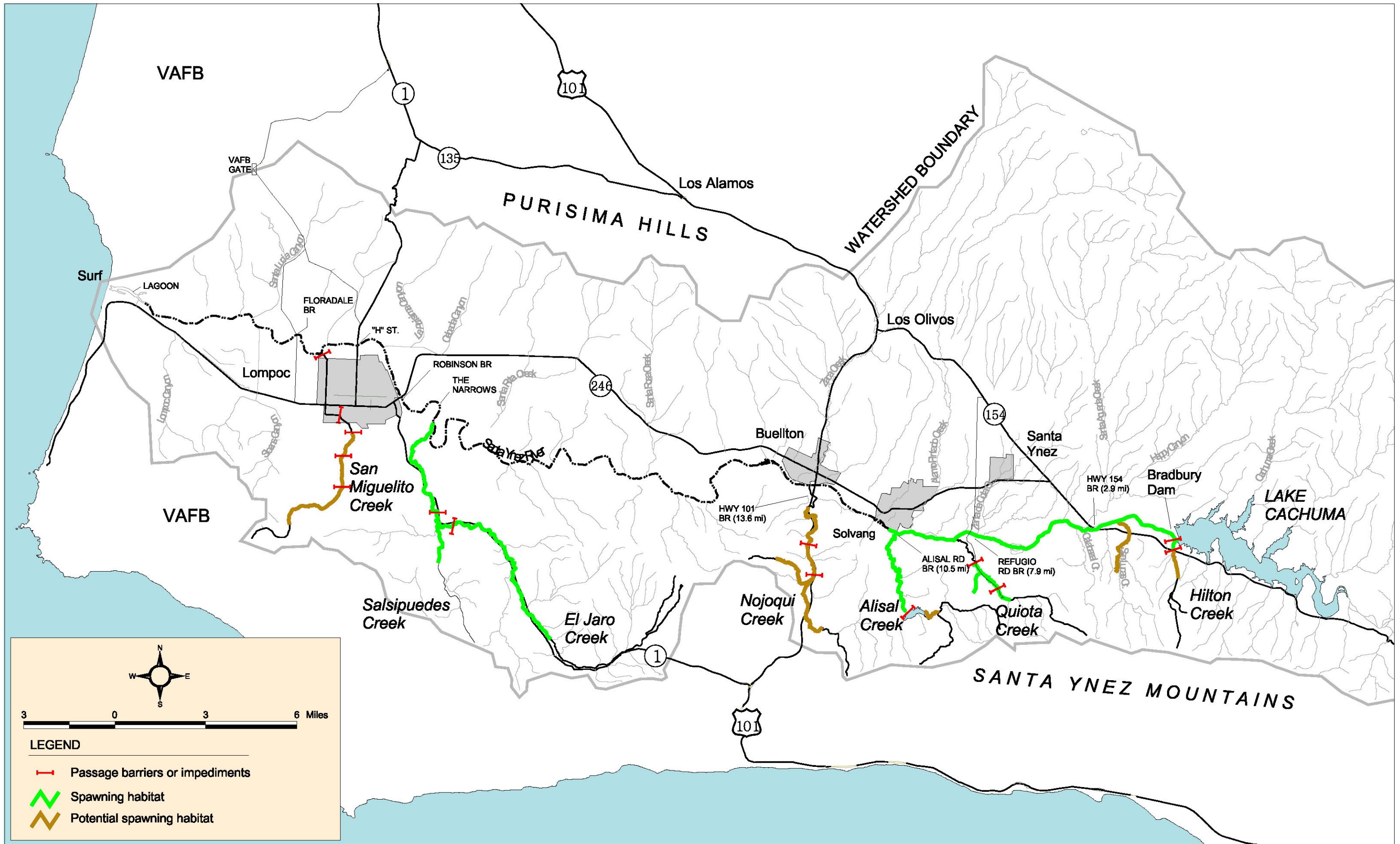


Figure 4-5. Steelhead Spawning on the Lower River

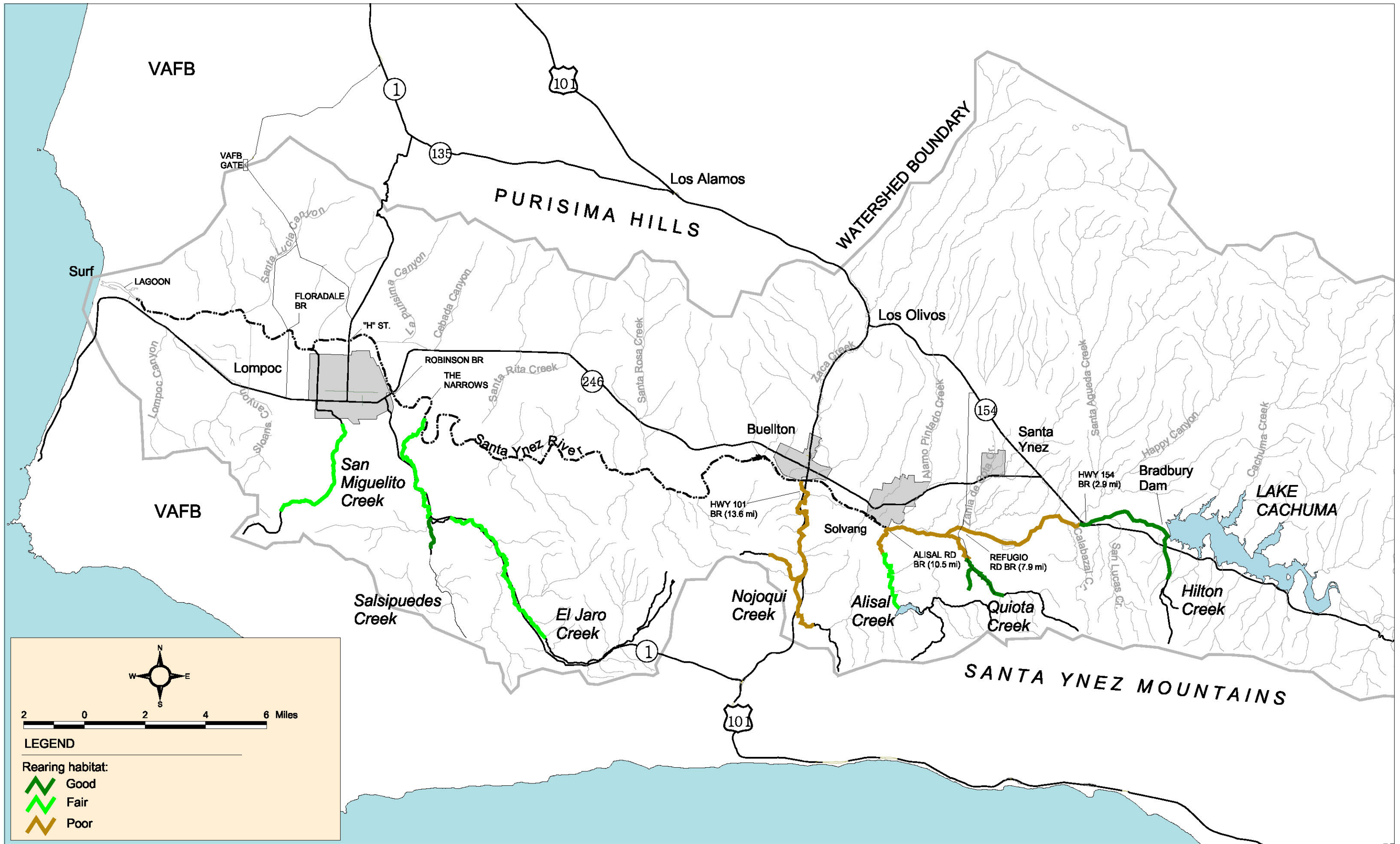


Figure 4-6. Steelhead Rearing Habitat on the Lower River

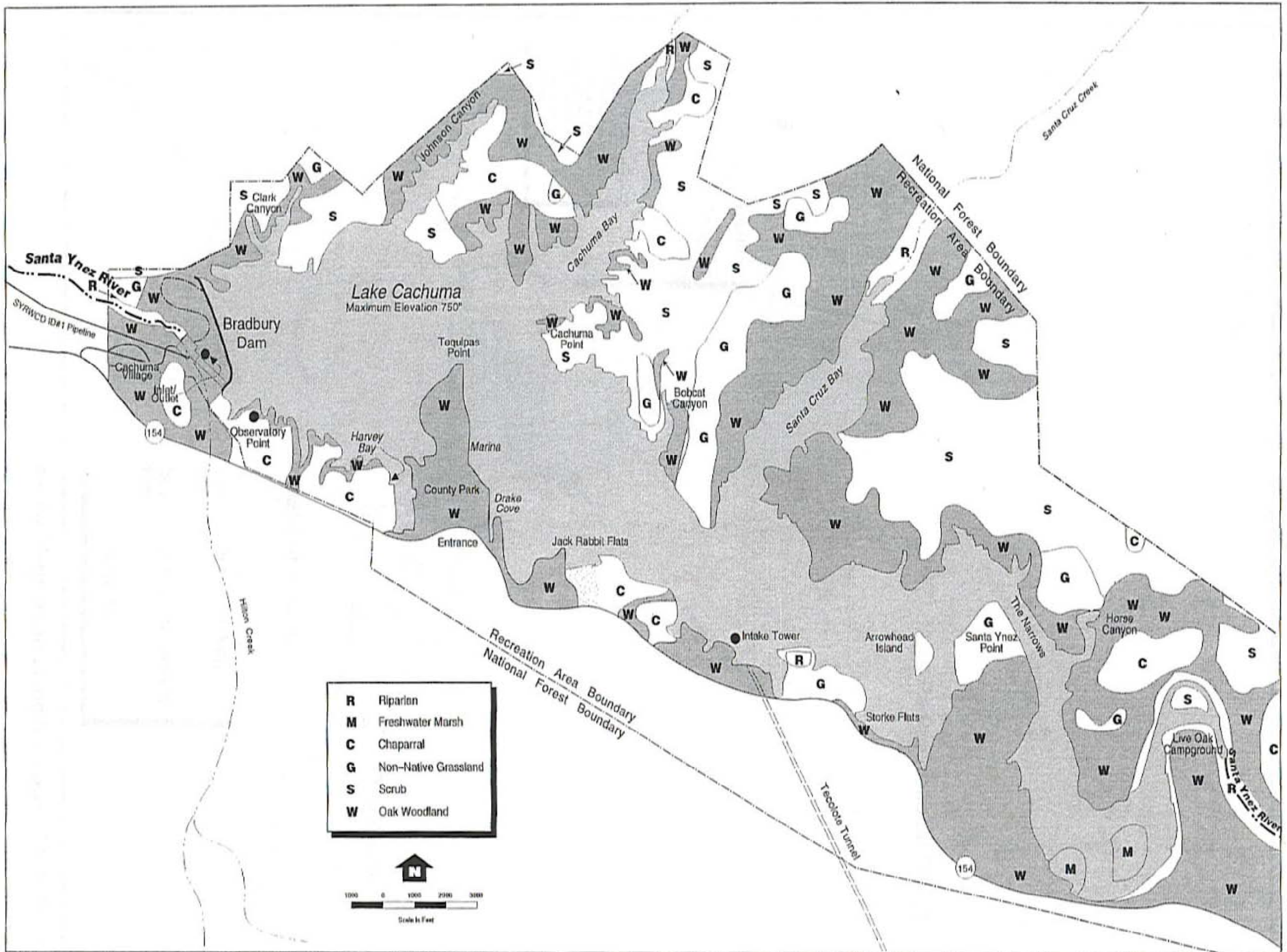


Figure 4-7 Vegetation Surrounding Lake Cachuma

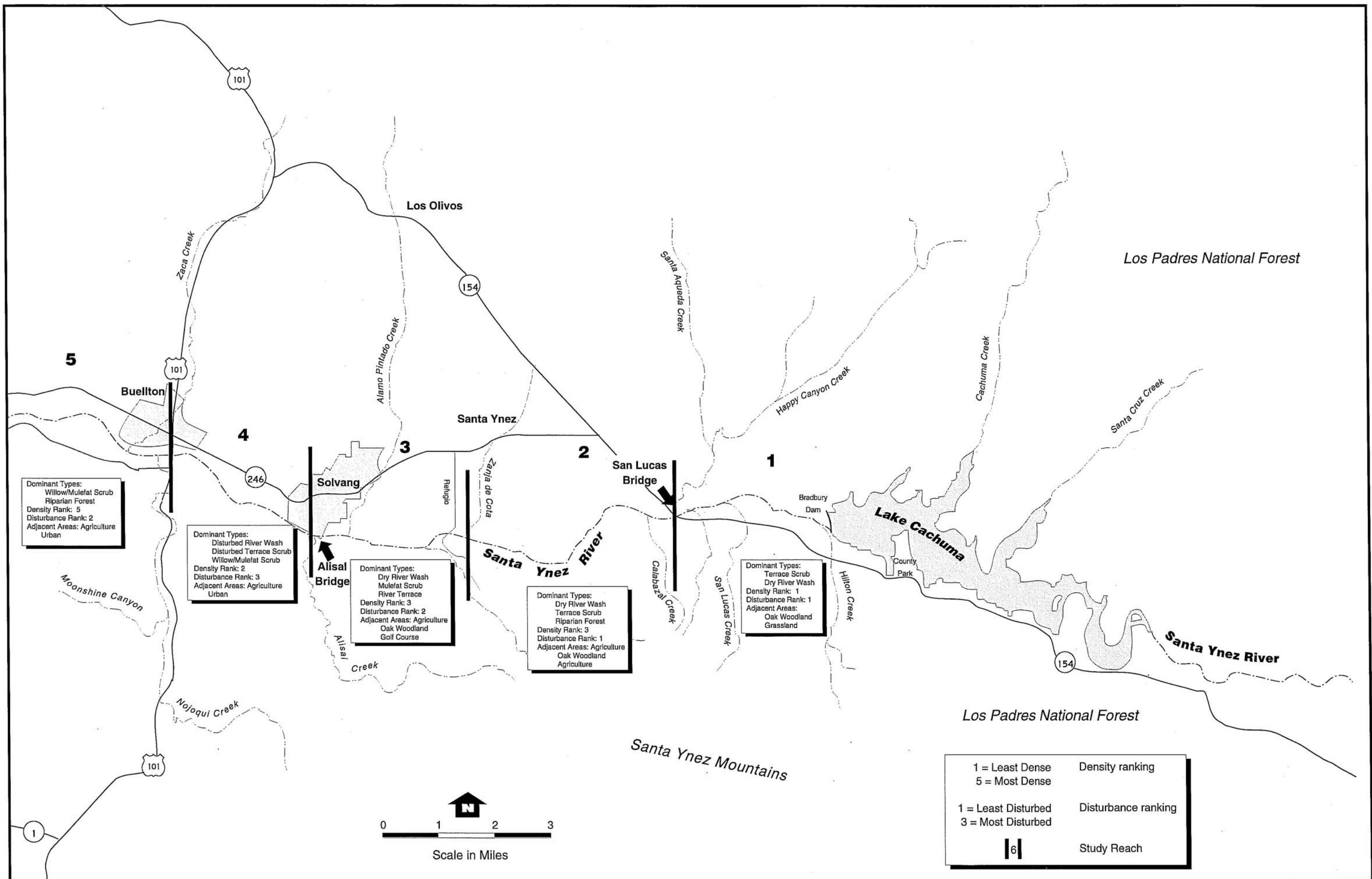


Figure 4-8a. Vegetation along the Lower Santa Ynez River



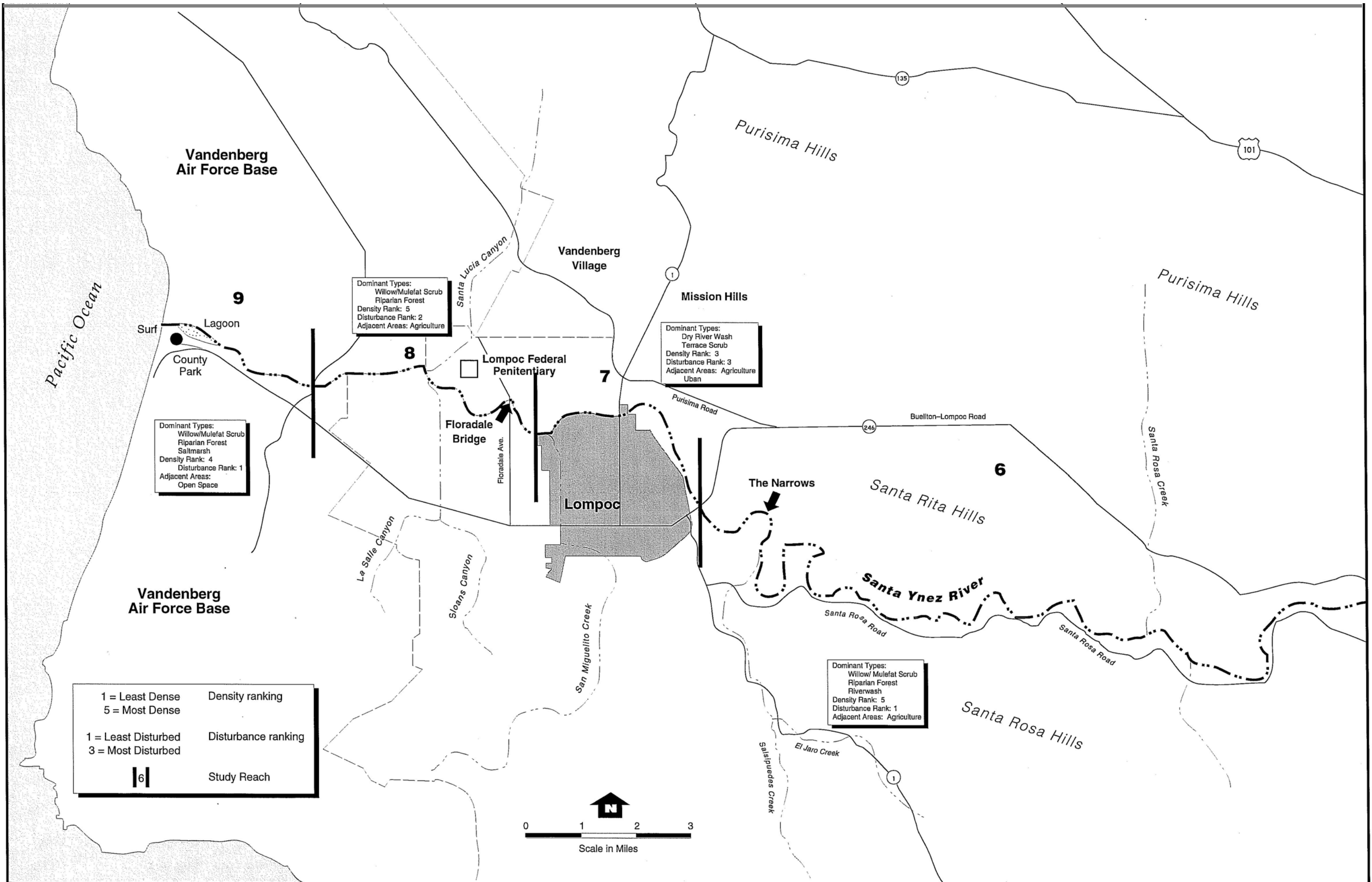


Figure 4-8b. Vegetation along the Lower Santa Ynez River

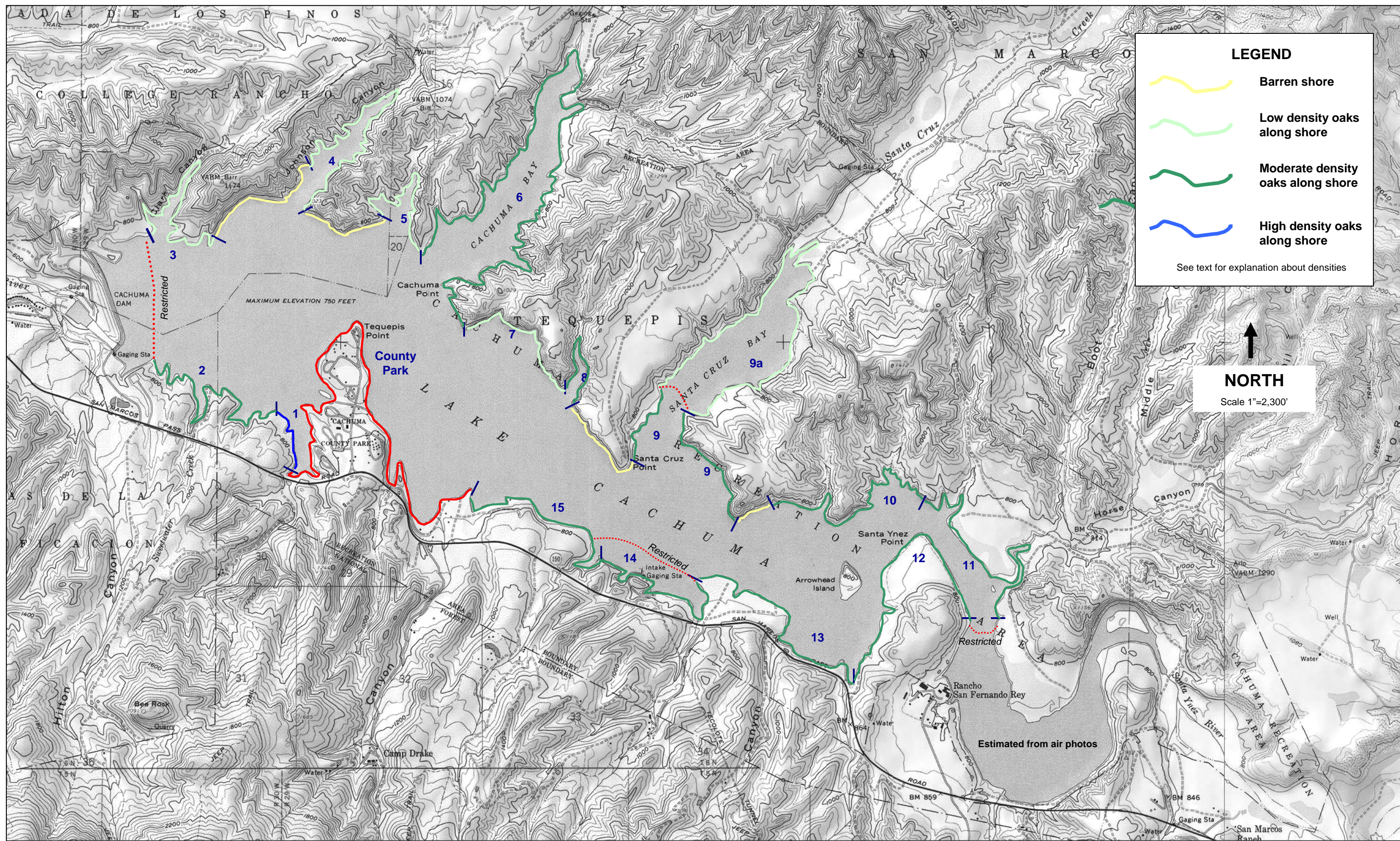


Figure 4-9. Oak Trees Along the Margins of Lake Cachuma

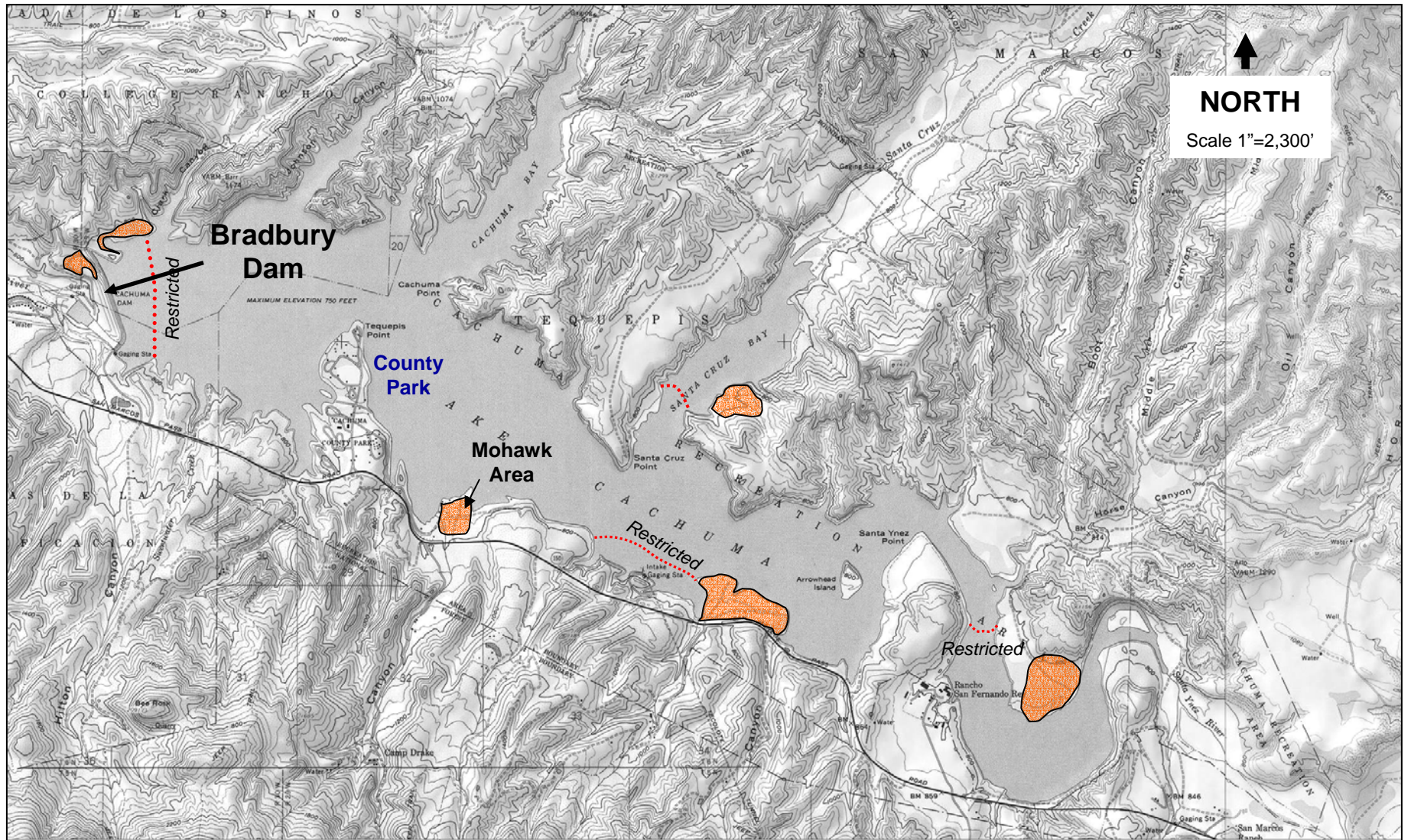


Figure 4-10. Current Oak Tree Restoration Sites at Lake Cachuma



**Legend**







-  Study Units
- Density Category (trees per acre)
  -  0-12
  -  13-24
  -  25+
-  Area excluded from study (i.e. developed, unavailable, or fully wooded)




Figure 4-11. Existing Oak Trees in the Recreation Area



**Legend**

 Study Units: number indicates trees to be planted

 Area excluded from study (i.e. developed, unavailable, or fully wooded)



300 0 300 600 Feet



**Figure 4-12. Proposed Tree Restoration Areas**

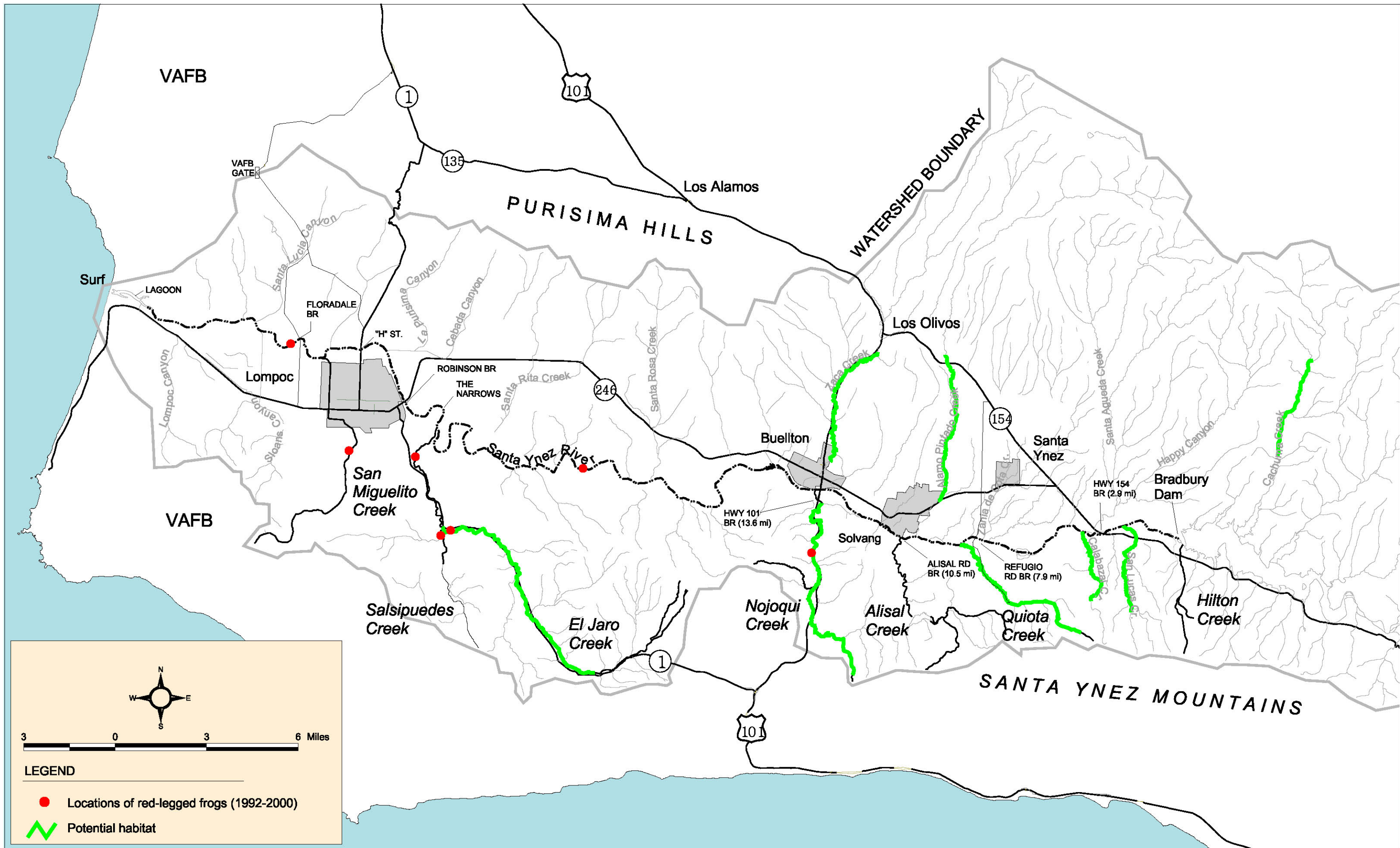


Figure 4-13. Locations of Red-legged Frogs on the Lower Santa Ynez River

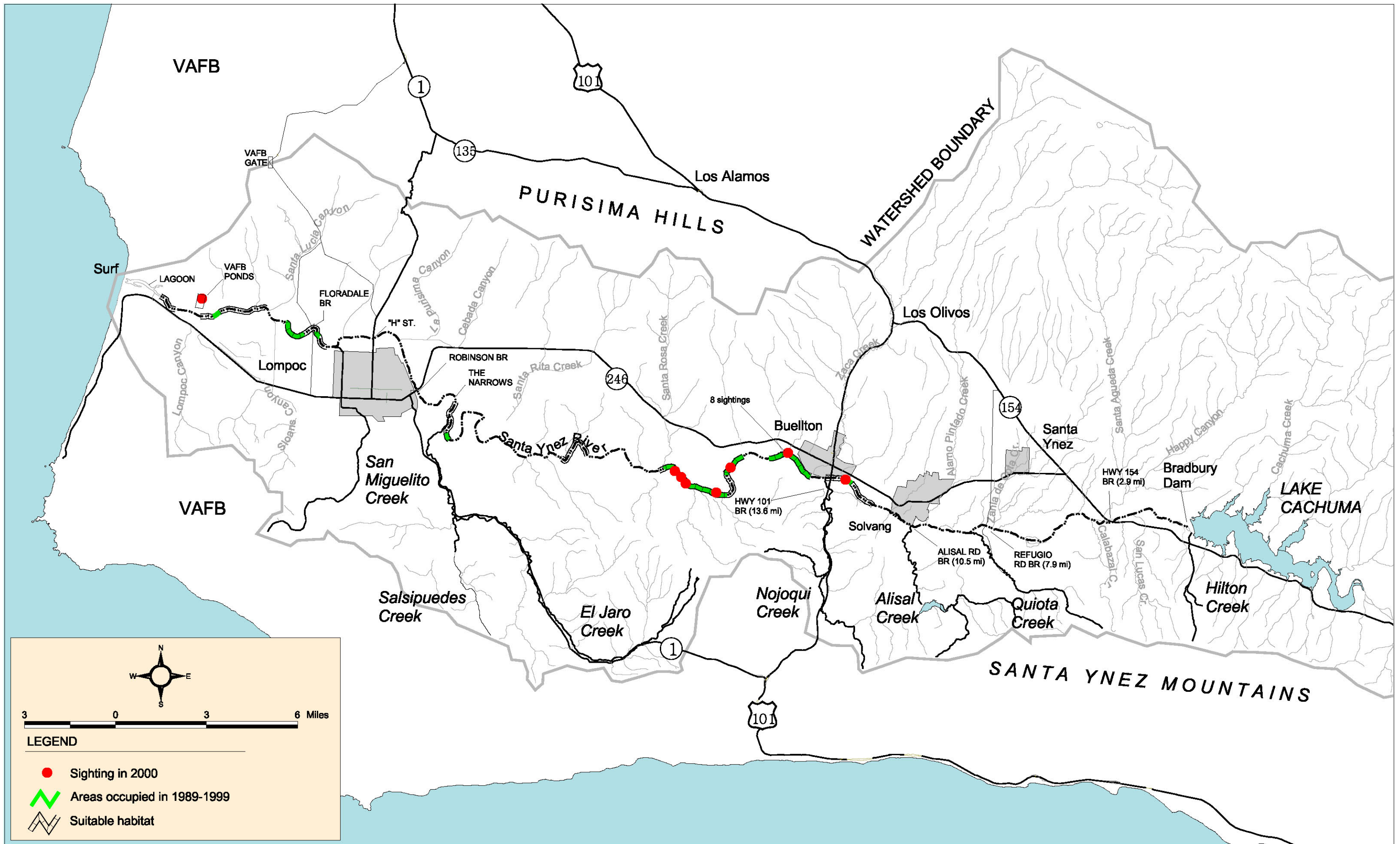


Figure 4-14. Locations of Willow Flycatchers and Suitable Habitat the Lower Santa Ynez River

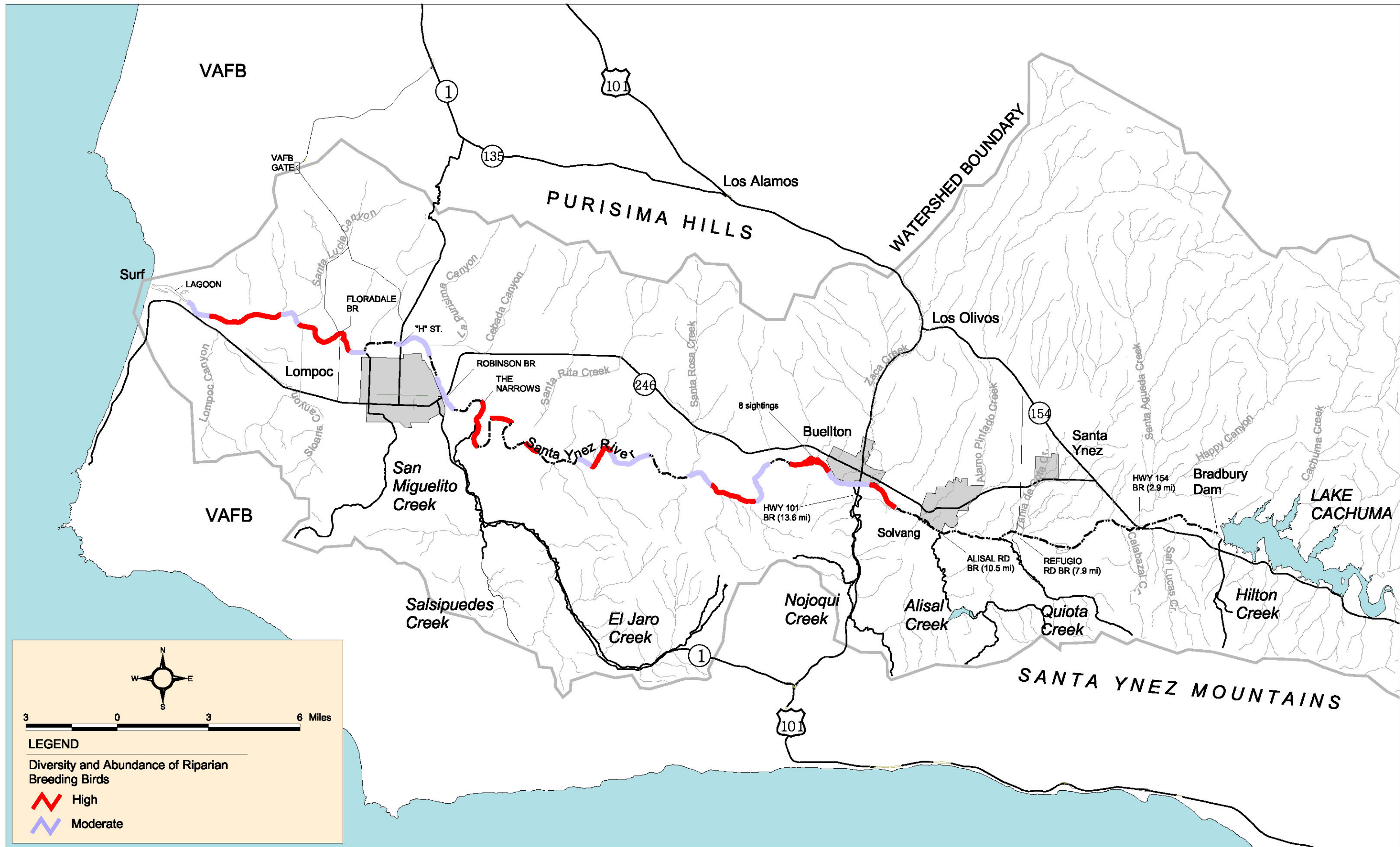


Figure 4-15. Habitat for Riparian Breeding Birds on the Lower Santa Ynez River



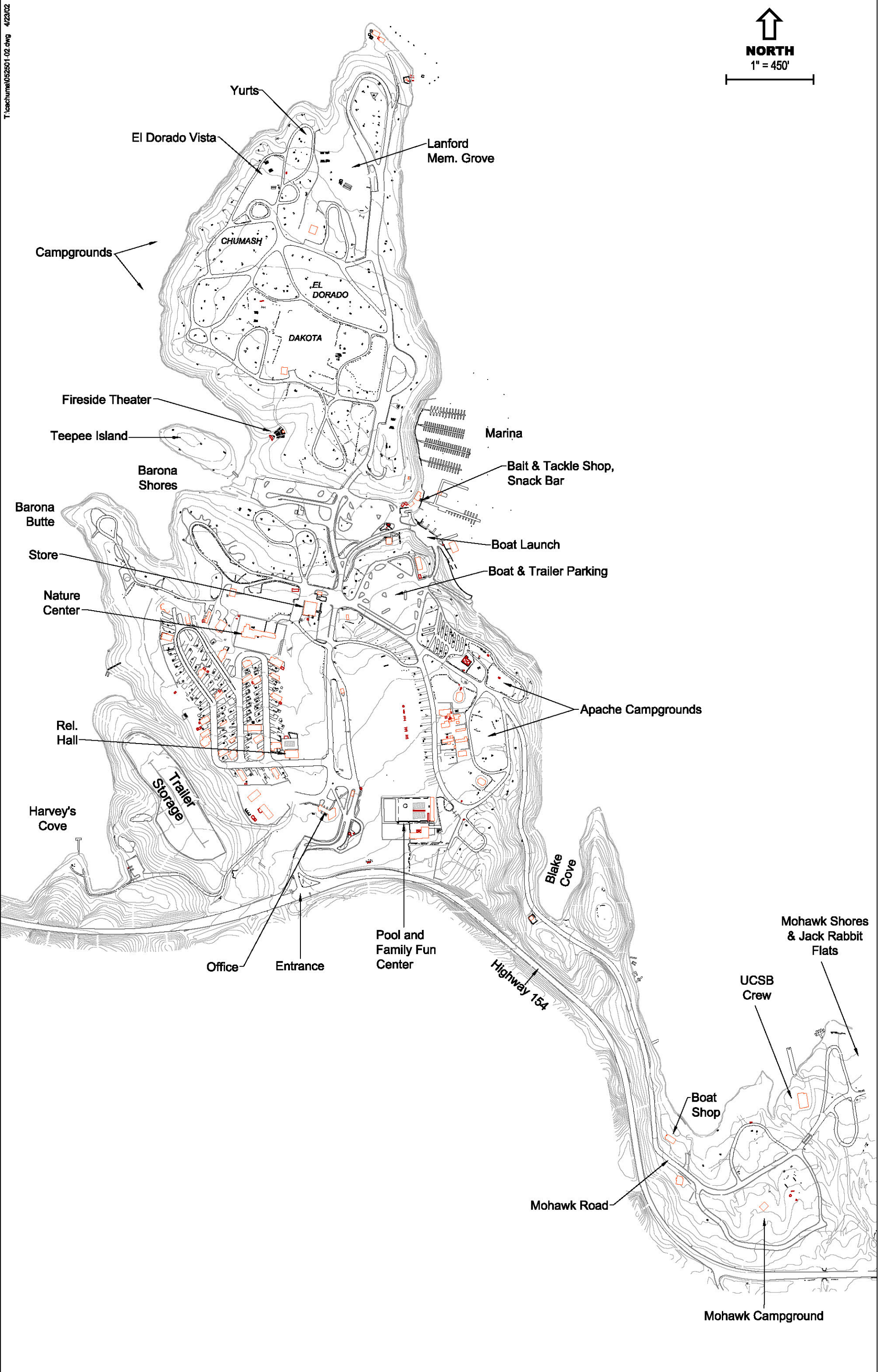


Figure 4-16. Recreational Facilities at Lake Cachuma

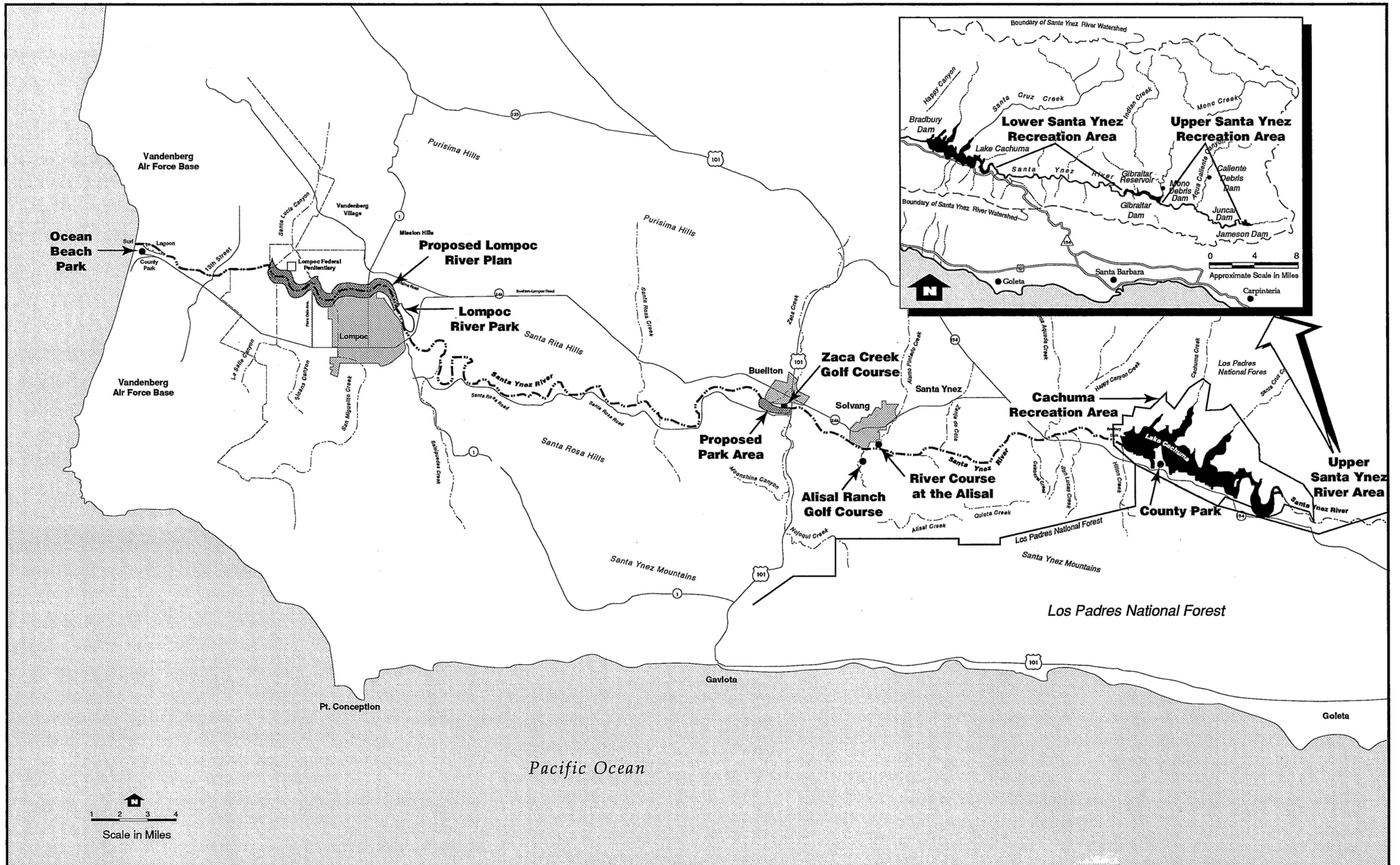


Figure 4-17. Recreation along the River Downstream of Bradbury Dam

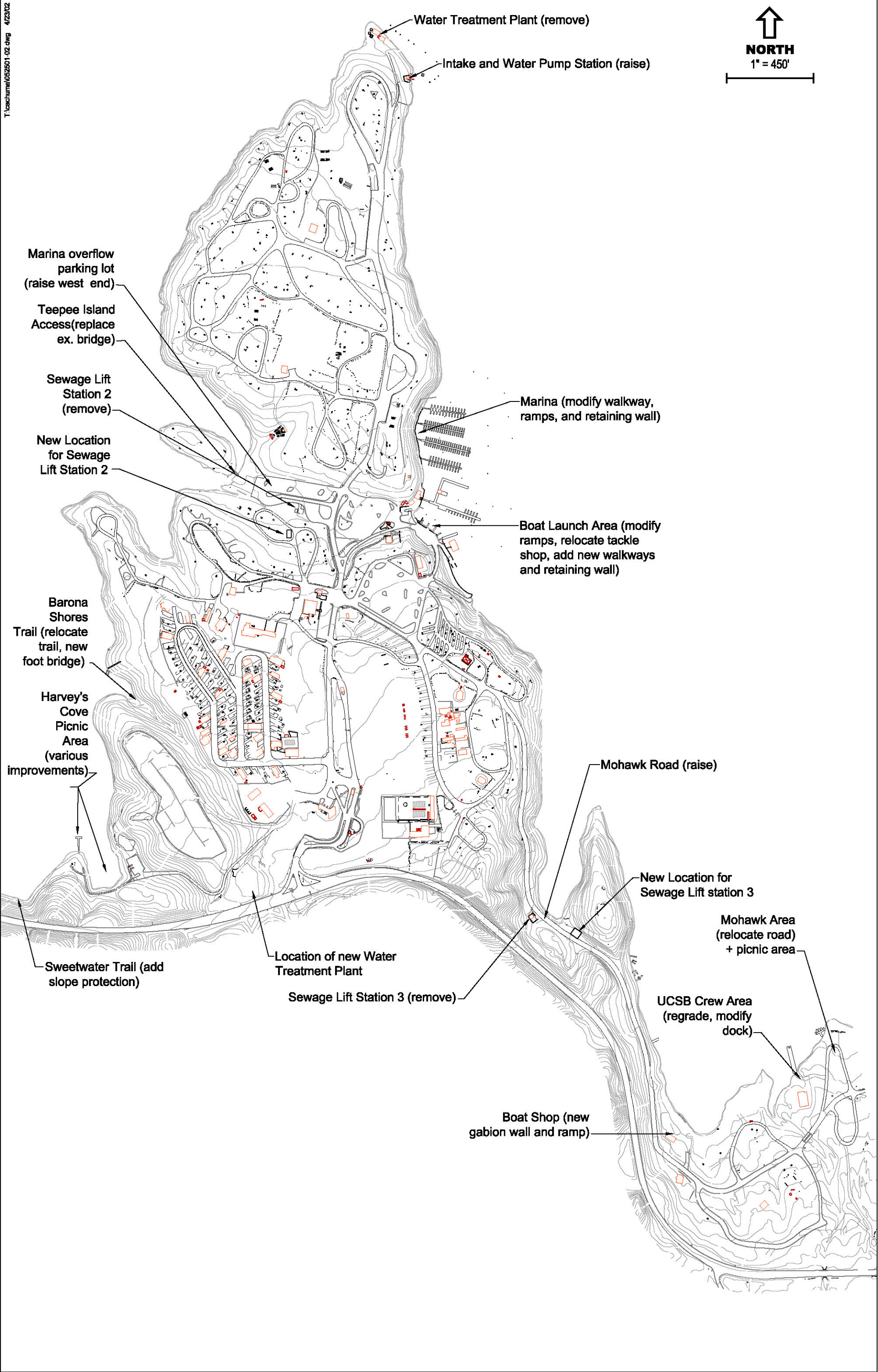


Figure 4-18. Recreational Facilities Affected by Surcharging