

TECHNICAL MEMORANDUM TM-R-2

13 March 1995  
723129.31005

To: City of Santa Rosa, Ed Brauner  
Dan Carlson  
Marie Meredith

From: Anders Hauge, Robin Cort, Rich Maurer

Subject: Santa Rosa Subregional Long-term Wastewater Project  
Two Rock Reservoir

---

Some confusion has arisen regarding which configuration of the Two Rock reservoir is being carried forward to design.

Three Two Rock reservoir configurations were originally identified: T5, T6, and T6A, in the order of moving further up the canyon and reduction in size of the watershed captured by the reservoir, reduction in the water surface area, and reduction in the impacted wetlands area.

The maximum storage capacity for the Two Rock site was originally estimated as 6,567 MG (19,700 AF) for the T-6 dam location, with 4,453 MG (13,360 AF) capacity identified for the T-6A dam location, and somewhat less capacity for the T-5 dam location.

Subsequently, we and RUST agreed that the T-6A dam location could be developed to store up to 4,500 MG, the capacity required for the 1% Russian River discharge alternative.

The jurisdictional wetlands which would be impacted by construction of a Two Rock reservoir has been determined by Parsons ES as affecting 43 acres for the T-6 site and 32 acres for the T-6A site.

In light of the fact that the T-6A reservoir configuration would meet the maximum storage requirement of 4,500 MG and would flood less wetland acreage and less overall site acreage than the other Two Rock configurations, we recommend that the T-6A dam site be selected for the Two Rock reservoir configuration.

This recommendation is subject to receipt and evaluation of the geotechnical report for the Two Rock dam sites, and decision by the City/BPU that the maximum capacity reservoir possible on this site; i.e., T-6, is not to be developed.