



"The spirit of liberty is not, as multitudes imagine, a jealousy of our own particular rights, but a respect for the rights of others, and an unwillingness that any one, whether high or low, should be wronged or trampled under foot."

... William Channing

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## WATER

### FELTON DIVERSION STATION

The Felton Diversion Station was put in operation on February 9, 1976, and dedicated on March 1. Originally conceived in 1963 by Brown and Caldwell in its "Master Plan of Water Supply and Distribution Report" for the City of Santa Cruz, the Felton Diversion Station has had a long period of development and evaluation. Approved by the voters by an overwhelming margin in the 1967 Bond Election, the project was included in the long-range plans of capital improvements by the Water Department. Early in 1972, the City began preparations to activate the project but ran into a number of legal roadblocks, including the need for a detailed EIR.

The purpose of the Felton Diversion Station project is to bring on line another source of water supply for customers of the Santa Cruz Water Department. The facility is capable of pumping up to 3,000 acre-feet (900 million gallons) of water per year from the San Lorenzo River at Felton during the winter run-off period of storage in Loch Lomond to be used during the summer dry period. Total construction cost for the project was \$1,738,000.

Besides the obvious benefits of the facility in terms of water supply for the Santa Cruz area, facilities

were incorporated into the project to allow the State Fish & Game Department and County Office of Watershed management to study migration patterns of fish species in the San Lorenzo River and to count and classify them. Regulations for operation of the Station allows that it be placed in service only when the flow in the river is 20 cubic feet per second, or greater, below the station.

### BAY STREET RESERVOIR ROOF

The Bay Street Reservoir roof project was started in November and by January 1, 1976, was over 50% complete. When completed it will provide a permanent rigid roof to completely enclose the reservoir and protect it from contamination from a variety of sources.

This reservoir was constructed in 1923 to store untreated raw water from the North Coastal sources which was later treated and distributed to all customers. The fact that the reservoir was not covered then was not as important as it is now. The function of Bay Street Reservoir now is to store treated water that has been processed by the Graham Hill Water Treatment Plant. No further treatment, other than chlorination, is given the water leaving Bay Street Reservoir that goes directly to customers. State law requires that such reservoirs be covered.