

# THE CONCRETE HERALD

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## **NEW POWER UNIT ON UPPER SKAGIT IS NOW DEDICATED**

### **DIABLO DAM IS TURNED OVER TO CITY OF SEATTLE AT VERY IMPRESSIVE CEREMONY— BIG CROWD ATTENDS**

The huge Diablo power dam, under construction for the past three years, is now officially the property of the city of Seattle. The dam has been fully completed and was dedicated yesterday at an impressive ceremony held on the crest of the dam. The structure was turned over to the city by Luke S. Oakes, president of Winston Brothers company, builders of the dam, and was accepted on behalf of the city by J. D. Ross, superintendent of the Seattle Light department, and Mayor Frank Edwards. Other speakers on the program were Governor Hartley and S. F. Tolmie, premier of British Columbia.

A special train was run from Seattle to Newhalem yesterday, carrying about 300 people to the dedication. The passenger list included state, county, and City of Seattle officers and construction officials and engineers from all parts of the state.

The dam, the second largest of its kind in the world, is located in Diablo canyon, about 35 miles up the Skagit river from Rockport. The dam is of the arch type, 390 feet high, 1200 feet long at the crest, and 140 feet thick at the base. The walls of the canyon are of solid granite and at some places the opposite walls are only nineteen feet apart. The dam was started in September, 1927, and its cost is about \$4,000,000. The ultimate power to be generated from this dam, when all contemplated units have been installed, is

225,000 horsepower. The impounding of the water back of the dam forms a lake six miles long with a storage capacity of 90,000 acre feet.

Concrete people have a local interest in the dam in that Superior cement was used entirely in its construction. The amount of cement used on the job was 1,745,116 sacks, enough to make a train load of 1,770 cars—a train almost fifteen miles long. A large number of local people have also been employed on the construction work for the past three years.