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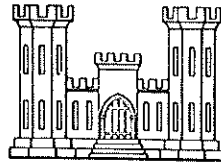
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LOST CREEK RESERVOIR

ROGUE RIVER, OREGON

DESIGN MEMORANDUM NO.8

FISH FACILITIES



Prepared by
U. S. Army Engineer District, Portland
Corps of Engineers
June 1967

SECTION II - REQUIREMENTS FOR THE HATCHERY

2-01. General. - In order to match the various races of fish arriving at different times at the three projects to the smallest reasonable hatchery size, make the most effective use of the resulting investment, and avoid duplication of facilities and operations, agency interests and the district concurred that the hatching and rearing capability should be consolidated into a single installation located in the general vicinity of the greatest fish displacement which would indicate preference for the Lost Creek-Elk Creek region. It was also agreed that with limited holding capability at Applegate it would be feasible to take eggs from adults arriving at that project and transfer them to a parent hatchery for propagation and return the juveniles to the Applegate River System.

2-02. Criteria. - The criteria used in sizing the proposed hatchery is delineated in Appendix A in the joint letter dated 27 December 1966 from the Directors, Oregon State Game Commission, and Fish Commission of Oregon. The criteria is summarized on Plate 3 which also makes an analysis of hatchery requirements to achieve the production levels of the various species requested by the State agencies.

2-03. Site Selection. - Water supply, general proximity to Lost Creek damsite, and a location physically suitable for construction and operation of a large hatchery are prime requisites in establishing the proposed site.

Water supply requirements of the general magnitude of 300 cfs during peak operating periods limited investigation of locations in the Lost Creek region to sites along Big Butte Creek and along main stem Rogue River. Studies showed Big Butte Creek quantities to be inadequate, and,