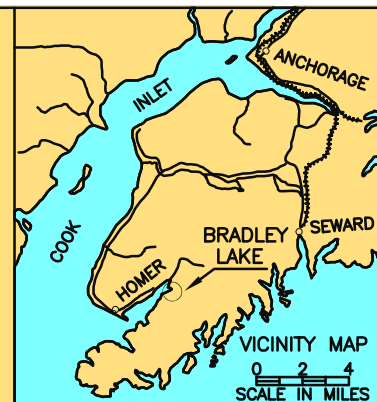


BRADLEY LAKE DAM

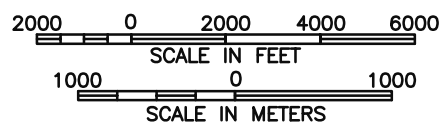
KENAI PENINSULA



NOTE: THIS LOCALITY IS SHOWN ON USC & GS
CHART NO. 16640.

BRADLEY LAKE ALASKA

REVISED 1993



BRADLEY LAKE, ALASKA
(CWIS NO. 22810)

Condition of Improvement 30 September 1987

AUTHORIZATION: Flood Control Act, 23 October 1962 (House Doc. 455, 87th Congress, 2nd Session) as adopted, provides for a main dam at Bradley Lake to increase the water level 106 feet, for two small dams to divert water from nearby drainages, for a power tunnel, surge tank, penstock, and a powerhouse located at tidewater; installation to provide 64,000 kilowatts of power and transmission facilities to serve the Cook Inlet area.

EXISTING PROJECT:	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• De-authorized (see Progress of Work, 1982)			

PROGRESS OF WORK:

- 1969 - Reappraisal of the economic and financial feasibility is underway with a revised cost for new work of \$79 million.
- 1971 - Engineering, design, cost, and economic studies have been completed for 12 separate schemes of development for a peaking plant rather than a base load facility in an effort to maximize the water resource available and to meet projected demands for peaking power. Further investigations are being coordinated with the Alaska Power Administration, the U.S. Department of the Interior, and the potential marketing agency. The latest cost for new work is estimated at \$152 million.
- 1974 - Reappraisal of the economic and financial feasibility of the project is initiated in March. A technical update is to be carried out under contract by a private sector AE firm.
- 1975 - As reviewed by the Corps, the project cost estimate provided by the AE firm applied against the power benefits resulting from the Federal Power Commission power values, indicates a marginally feasible project. The Alaska Power Administration and the U.S. Department of the Interior are continuing with an energy marketability analysis.
- 1978 - A reappraisal of the project by the Corps, including a favorable marketability analysis from the APA, results in a revised lake elevation (+80 feet above existing) and an underground powerhouse with an installed capacity of 70,000 kilowatts with a provision for expansion to 118,000 kilowatts of power. Further advanced engineering and design studies are recommended.
- 1982 - General Design Memorandum No. 2 is completed and an Environmental Impact Statement is filed with the Environmental Protection Agency. The State of Alaska agrees to fund 100% of the project and takes over design completion and all construction of the project. The total estimated project cost (October) is \$396 million. The project is de-authorized by Public Law 97-377, Section 149, dated 21 December 1982.

COST TO DATE:	<u>New Work</u>
	\$ 6,701,000

Bradley Lake Dam near Homer, Alaska



Bradley Lake Dam overhead Google image, 18 August 2003.