

PP03 Snettisham Hydro

(7AK2 ICAO ID)

[Topo Map](#)

The **Snettisham hydroelectric power plant** is a 78,210 [kw](#) power plant located 28 miles south of central [Juneau, Alaska](#) and accessible only by [boat](#) or [seaplane](#). The power plant is fed by two lakes that are tapped from below, negating the need for a traditional dam. It supplies most of the electricity for [Alaska Electric Light & Power](#). It is connected to Juneau by at 44-mile transmission line. It was completed in 1975.

From Wikipedia, the free encyclopedia

The first, the Long Lake Stage, was the primary project to develop the hydro potential of Snettisham for Juneau. Capable of producing 47.2 MW, the Long Lake Stage's yearly average energy output is over 200 million KWH.

The second, the Crater Lake Stage, was completed in 1990. The Crater Lake, like the Annex Creek Project, consists of a tunnel from Crater Lake to the Snettisham power plant, with another generating unit added to take advantage of the additional water flow. This stage was part of the overall original project design, but plans called for it to be constructed only when the energy was needed. With the addition of the Crater Lake 31 MW capacity, the total amount of electrical energy now available from Snettisham is 78.2 MW.

The Snettisham Project was designed to provide the Juneau power grid with plentiful power for the long term. Snettisham's power plant and generating facility is at sea level and in the mountain itself, with other supporting building and shed's outside the portals.



Snettisham power plant with dam outlet, Hatchery in the foreground
http://www.aidea.org/Portals/0/PDF%20Files/PFS_Snettisham.pdf

Snettisham Hatchery



Snettisham Hatchery was constructed by the State of Alaska in 1980 and operated by the Department of Fish and Game until DIPAC took over operation of the facility in July of 1996. The hatchery is currently permitted to incubate up to 33.5 million sockeye salmon for various fry and smolt projects. Salmon produced from the Snettisham Hatchery contribute to commercial fishermen, subsistence users and hatchery cost recovery.

http://dipac.net/snettisham_hatchery.html



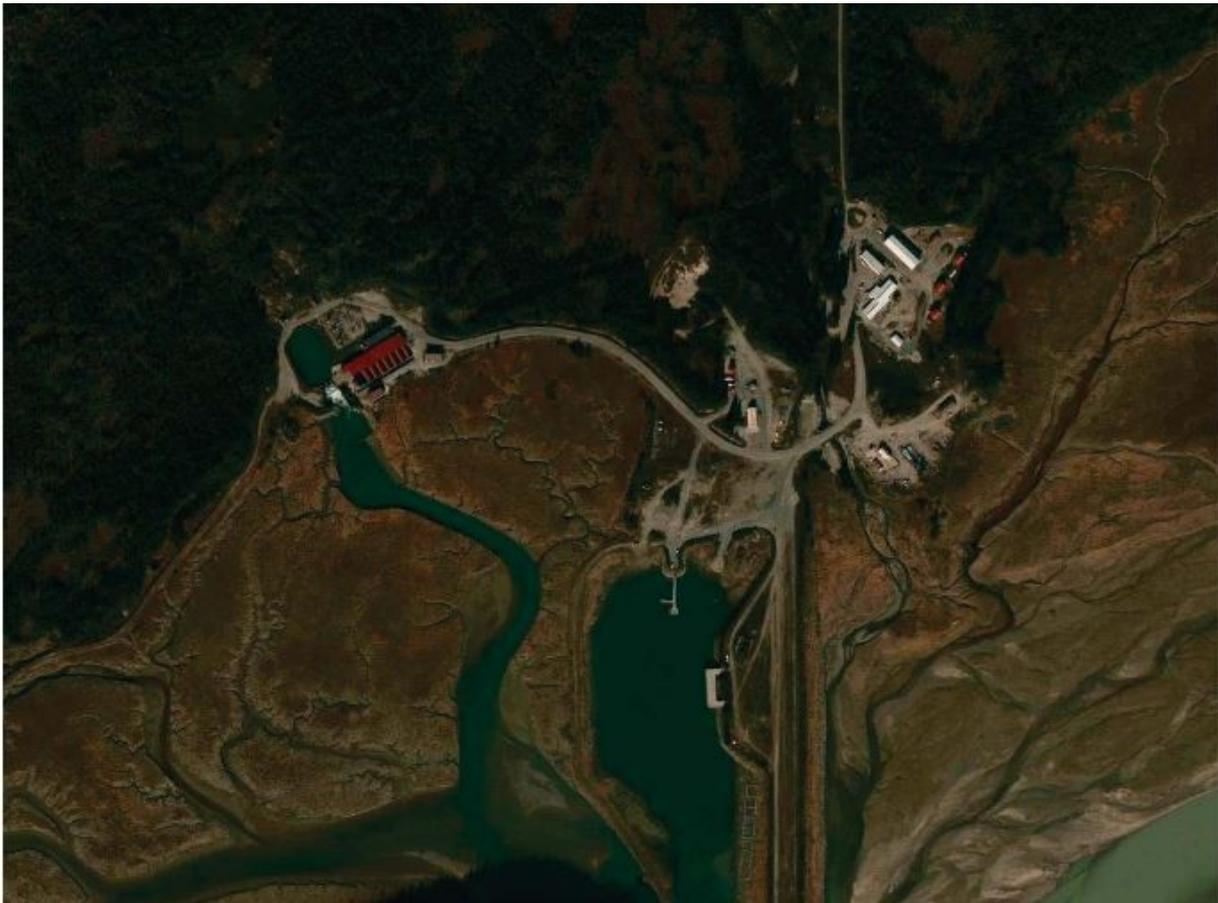
Snettisham Dam Outlet

http://www.aidea.org/Portals/0/PDF%20Files/PFS_Snettisham.pdf



Long Lake Outlet

http://www.aidea.org/Portals/0/PDF%20Files/PFS_Snettisham.pdf



Aerial of Snettisham 2011

www.poa.usace.army.mil/Portals/34/docs/operations/EFC/2014SnettishamDamPI.pdf

