

Site No. 19050003-

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site NELLIE JUAN Lake

Location NW 1/4 Section 24, T. 2 N., R. 2 E., SEWARD MERIDIAN Stream NELLIE JUAN R TRIB Prince Wm Sound

Planned by (date) _____

Reference 3/ "Preliminary Report on the waterpower resources of... NELLIE Juan Lake ..."; USGS, Indiv. m/f Date Feb. 1961

Quadrangle coverage Seward, ALASKA (Recon.); SEWARD (B-6), ALASKA; 2/ Plan, Dam site, NELLIE JUAN Lake ..., ALASKA" (59)

Land: Public _____ Private _____ Use: (P) I, FC, MI, R

W.S. ALT = <u>1,185 feet 2/</u>	Undeveloped capacity <u>2,104 mw (dam) - 11,772 mw (diversion) (T)</u>
Dam: Height <u>199 feet</u> Length <u>680 feet 2/ + Dike</u>	Percent efficiency _____
Normal pool altitude <u>1284 feet 3/ pg 41</u>	Annual generation _____
Reservoir area _____	Plant factor _____
Storage capacity <u>196,000 acre feet 2/ pg 41</u>	Mean flow <u>250 ft³/sec (181,000 ac-ft/yr)</u>
Drainage area <u>35 square miles 2/</u>	Period of record <u>12/60-11/64, gage 15277000, DH-133 mi²</u>
Gross head <u>1284 ft - 730 ft 3/ pg 41 = 554 ft, 1.75 mile diversion 4/</u>	

Remarks: 1/ Original Calculations in STREAM Files.

4/ Power Site Classification 456, June 30, 1965.

Prepared by TJK Date 11/79