

Site No. 19050003-

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site UPPER NELLIE JUAN RIVER
 Location SW 1/4 section 28, T.3N., R.3E., SEWARD MERIDIAN Stream NELLIE JUAN R TRIB Prince of Wales Sound
 Planned by (date) _____
 Reference ^{2/} Correspondence from Reuben Hack, USA Corps of Engineers, dated Date 6/7/60 & 12/7/60
 Quadrangle coverage SEWARD, ALASKA (Recon.); SEWARD (B-6), ALASKA; ^{3/} PLAN, DAM & RESERVOIR SITES, NELLIE JUAN RIVER (64)
 Land: Public _____ Private _____ Use: I, FC, MI, R

w.s. ALT = 540 feet ^{3/}	
Dam: Height <u>190 feet ^{1/1}</u> Length <u>800 feet</u>	Undeveloped capacity <u>9.367 mw (dam) - 18.734 mw (diversion) (ft)</u>
Normal pool altitude <u>730 feet (limited for Nellie Juan Lake) ^{1/1}</u>	Percent efficiency _____
Reservoir area _____	Annual generation _____
Storage capacity <u>54,800 acre-feet</u>	Plant factor _____
Drainage area <u>81 square miles</u>	Mean flow <u>580 ft³/sec (420,000 ac ft/yr)</u>
Gross head <u>730' - 350' = 380', 5.7 mile diversion</u>	Period of record <u>12/60 - 11/64, gage 15237000, DA = 133 mi²</u>

Remarks: ^{1/1} Original Calculations in Stream Files (See River Profile, Nellie Juan Lake)
^{1/1} Power Site Classification 456, June 10, 1965.

Prepared by TJK Date 11/79