

Site No. 19050002-24 ^{TR} V19

UNDEVELOPED HYDROELECTRIC SITE

State Alaska County _____ Site Ptarmigan Lake

Location Seward Meridian, T.4N., R.1E., Sec 29 Stream Ptarmigan Creek

Planned by (date) _____

Reference U.S.G.S. Open File Report — see below Date June 1955

Quadrangle coverage Seward 1:250,000, Seward (B-6), Seward (B-7) — 1:63,360

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

Dam: Height <u>52'</u> Length <u>100 ft</u> <u>+ dikes</u>	Undeveloped capacity <u>3.45 miw (Q_{mean}) (Total Head)</u>
Normal pool altitude <u>802 ft</u> ✓	Percent efficiency <u>100%</u>
Reservoir area <u>1040 acres</u>	Annual generation _____
Storage capacity <u>40,000 acre-ft</u>	Plant factor <u>111</u>
Drainage area <u>29.5 mi²</u>	Mean flow <u>125 cfs (80,360 ac-ft/yr)</u>
Gross head <u>366 (345 ft Est mean Head)</u>	Period of record <u>1947-1954 1958</u>

Remarks:

Pwhse Located: T.4N., R.1E., Sec 31 (elev. 436')

Reference: The Potential Waterpower of Grant, Ptarmigan, Cooper, and Crescent Lakes on the Kenai Peninsula Near Seward, Alaska by Arthur Johnson

See also FPP 2156 + 2262

Prepared by MJS Date Aug 1978
SLR 11/78