

89

Site No. 19040002-  
Alagnak Drainage

### UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site KUKARLEK LAKE (USCE)

Location Sw 1/4 Section 17, T. 12 S., R. 37 W., Seward Meridian Stream ALAGNAK RIVER Kuchak R.

Planned by (date) \_\_\_\_\_

Reference 2/ HARBORS & RIVERS in ALASKA - Survey Report - Interim Report No. 5 - Southwestern ALASKA, pgs 88-89 Date JANUARY 20, 1954

Quadrangle coverage ILIAMNA, ALASKA (1° 23'); ILIAMNA (A-7), ALASKA

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

78.783 64,300

<u>w.s. alt = 803 ft 1/2; 800 ft 2/3</u>	
Dam: Height <u>10 ft 2/3</u> Length <u>5280 ft 2/3</u>	Undeveloped capacity <u>1,029-78.783 mwi(T) 1/4; 64,300 Kw 2/3</u>
Normal pool altitude <u>813 ft 1/4; 810 ft 2/3</u>	Percent efficiency _____
Reservoir area <u>42,800 acres = 66.875 sq mi 1/4; 70 sq mi 2/3</u>	Annual generation _____
Storage capacity <u>1,051,000 ac-ft in 23 ft 2/3; 1,019,360 ac-ft in 23' 1/4</u>	Plant factor _____
Drainage area <u>454.64 sq. mi 1/4; 470 sq mi 2/3</u>	Mean flow <u>876,000 ac-ft/yr = 1208 ft<sup>3</sup>/sec 2/3; 1210 ft<sup>3</sup>/sec 3/3</u>
Gross head <u>813 ft - 474 = 766 ft 1/4; 752 ft 2/3</u>	Period of record _____

Remarks: lake tap 13 ft below surface, with powerhouse located at Iliamna Lake, Sec. 17, T. 10 S., R. 37 W., Seward Meridian

OVER

3/ "Summary of Potential Hydroelectric Power in Alaska," USCE, Sept. 1961 (Inventory)

4/ Inventory of Sites for World Energy, USGS, 1962. (Inventory)

5/ "Mineral & WATER Resources of ALASKA," USGS & STATE, Committee Print-88th Cong. 2<sup>nd</sup> Session, 1964, pg 172 (Library)

-1 "Bristol Bay Energy & Electric Power Potential," Retherford Associates, Dec. 1979, pg B-38) (MISTAKE?)