

Site No. 19 04 00 02-

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site KUKARKLEK LAKE (USBR)Location E 1/2 SECTION 26, T. 12 S., R. 38 W., SEWARD MERIDIAN Stream ALAGNAK RIVER (wildcat)

Planned by (date) _____

Reference 9" Summary of Initial Evaluation of ALASKA Hydroelectric Potentialities; EPC, (TABLE) Date April 1966Quadrangle coverage ILLIAMNA, ALASKA (1° X 3°); ILLIAMNA (A-7), ALASKALand: Public _____ Private _____ Use: I, FC, MI, R 27 m w cont.⁵

W.S. ALT = <u>770 ft</u> ^{1/}	
Dam: Height <u>55 ft</u> ^{1/} Length _____	Undeveloped capacity <u>2.805 MW - 80.017 MW (T)</u> ^{1/} ; <u>27 MW (continuous)</u> ^{6/}
Normal pool altitude <u>825 ft</u> ^{4/}	Percent efficiency _____
Reservoir area <u>47170 acres</u> ^{1/}	Annual generation _____
Storage capacity <u>998,173 ac-ft</u> ^{1/} ; <u>710,000 ac-ft (Active)</u> ^{4/}	Plant factor _____
Drainage area <u>480 sq. mi.</u> ^{4/} ; <u>478 sq. mi.</u> ^{1/} <u>326 ft Ave.</u>⁴	Mean flow <u>870,000 ac-ft/yr (1202 ft³/sec)</u> ^{4/}
Gross head <u>825 ft - 47 ft = 778 ft</u> [*] ; <u>825 ft - 475 ft = 350 ft</u> ^{**} ; <u>326 ft (Ave)</u> ⁶	Period of record _____

Remarks: Recent proposals consider only diverting 600 ft³/sec - /

* Powerhouse located at Illiamna lake, Sec. 17, T. 10 S., R. 37 W., Seward Meridian, Illiamna (B-7), Alaska

** Powerhouse located at unnamed lake in Sec. 18, T. 11 S., R. 37 W., Seward Meridian

Prepared by TJK Date 4/80

7/ Letter Report by USGS, Jan 3, 1967 (Inventory)

8/ "Planning STATUS Report-ALASKA," FPC, 1967, pg 20

9/ Inventory of unclassified Potential Sites, USGS, July 5, 1968 (Inventory)

-/ Inventory of Sites, FERC, received 1978

-/ "Preliminary Estimates-Potential Hydropower Sites in ALASKA," USCE, Jun 7, 1979 (Inventory)

-/ "Bristol Bay Energy and Electric Power Potential-Phase I," Retharford Associates, Dec. 1979