

Site No. 19050003-7 TK  
1/79

## UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site Summit Lake  
 Location Section 8, T 21S, R 12E, Fairbanks Meridian Stream GULKANA River trib Copper River  
 Planned by (date) \_\_\_\_\_  
 Reference APA's list of 252 sites Date 1977  
 Quadrangle coverage Mt. Hayes (A-4) & (A-3), ALASKA  
 Land: Public \_\_\_\_\_ Private \_\_\_\_\_ Use: P, I, FC, MI, R

Dam: Height <u>Control Structure</u> Length _____ Normal pool altitude <u>3210 feet (normal lake altitude)</u> Reservoir area _____ Storage capacity _____ Drainage area <u>83 square miles</u> Gross head <u>3210-2710 = 500'; 2.1 mile diversion</u>	Undeveloped capacity <u>5.166 mw Theoretical</u> Percent efficiency _____ Annual generation _____ Plant factor _____ Mean flow <u>88,000 acre feet = 121.55 cfs</u> Period of record _____
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Remarks: This apparently is a lake trap. Topographically the shortest diversion is from SE 1/4 Sect. 24 to SE 1/4 of Sect. 36, R 11E.

Prepared by TJK Date 11/78