

Tk  
4/79

Site No. 19050002-139

# UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site WEST Fork

Location Section 12, T 21 S, R 11 W Fairbanks Meridian Stream W. FK. Chulitna

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

Reference AP Admin list of 252 sites Date 1977

Quadrangle coverage HEALY (A-6) ALASKA

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

14 m.w. installed

<u>W. alt 1600'</u> ✓	Dam: Height <u>300'</u> Length _____	Undeveloped capacity <u>30.77 m.w. (dam) - 41.027 (div) m.w. theoretical</u>
Normal pool altitude <u>1900 feet</u>	Reservoir area _____	Percent efficiency _____
Storage capacity _____	Drainage area <u>355 square miles</u>	Annual generation <u>68,000,000 Kwh</u>
Gross head <u>1900' - 1500' = 400', 1.3 mile diversion</u>	Plant factor _____	Mean flow <u>1206.68 cfs = 873,630 gal/H/yr.</u> <u>640,000 acre feet</u> <u>983.978 cfs</u>
		Period of record <u>14 yrs (1975) gage 15292400, annual</u>

Remarks: USGS original calculations

Prepared by Tk Date 12/78  
8/78