

Site No. 19050002-126TK  
1/79

## UNDEVELOPED HYDROELECTRIC SITE

State Alaska County \_\_\_\_\_ Site THOROUGHFARELocation Sections 3 and 34, T32#33 N, Range 1E Seward Meridian Stream PORTAGE Creek TRIB SusitnaPlanned by (date) USGS 1950Reference TALKEETNA Mtus (1:250,000) ALASKA LLB-1950 Date \_\_\_\_\_Quadrangle coverage TALKEETNA Mtus (D-5) Alaska

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

wsalt = 1275'	Dam: Height <u>225 feet</u> Length <u>1200 feet</u>	$Q_{50} = 1.5 \text{ MW at site}$
Normal pool altitude <u>1500 feet</u>	Undeveloped capacity <u>4.219 mw theoretical</u>	
Reservoir area <u>514 acres</u>	Percent efficiency _____	
Storage capacity <u>47,545 acre feet</u>	Annual generation _____	
Drainage area <u>140 square miles</u>	Plant factor _____	
Gross head _____	Mean flow <u>220.61 cfs = 159,724 acft/yr.</u>	
	Period of record <u>26 yrs (1975) gage 15292000, ana rated</u>	
	$Q_{50} = 220 / 2.81 = 78 \text{ cfs (Est.)}$	

Remarks:

Prepared by TK Date 7/78

SRO

12/78