

TK  
479Site No. 19050002-153

## UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site TARUS Hill  
 Location Sec. 10, T28N, R1E, Seward Meridian Stream TALKEETNA River  
 Planned by (date) USGS ?  
 Reference PSC 406 Alaska Special Map No 26 Date 1940  
 Quadrangle coverage TALKEETNA Mts (C-5), Alaska  
 Land: Public \_\_\_\_\_ Private \_\_\_\_\_ Use: P, I, FC, MI, R

<u>us alt = 1250'</u> Dam: Height <u>250 feet</u> Length <u>2150 feet</u>	<u>Q<sub>50</sub> = 11.6 MW</u> Undeveloped capacity <u>33.602 mw theoretical</u>
Normal pool altitude <u>1500 feet</u>	Percent efficiency _____
Reservoir area <u>1840.12 acres</u>	Annual generation _____
Storage capacity <u>157,284 ac-ft</u>	Plant factor _____
Drainage area <u>776.3 square miles</u> <u>2.0370 ft<sup>2</sup>/mi<sup>2</sup></u>	Mean flow <u>1581.28 cfs = 1,144,846 ac-ft/yr</u>
Gross head _____	Period of record <u>11/40 (1975) gage 15292700, area ratio</u>

Remarks: Unless there is sufficient upstream storage, this site to elev. 1500 ft wouldnt regulate the river and Q<sub>50</sub> should be used.

$$Q_{50} = 1581 / 2.9 = 545 \text{ cfs}$$

Prepared by TK Date 12/78  
JRO