

TK  
1/79

Site No. 19050002-156

### UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site GRANITE GORGE

Location Sec. 6, T27 N, R 1E Seward Meridian Stream TALKEETNA

Planned by (date) USGS ?

Reference PSC 406 ALASKA Special Map No 26 Date 1940

Quadrangle coverage TALKEETNA 7.5 (B-5) ALASKA

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

*72 mw installed*

<i>ws alt = 1000'</i> Dam: Height <u>500 feet</u> Length <u>2600 feet</u>	Undeveloped capacity <u>73.306 mw theoretical</u>
Normal pool altitude <u>1500 ft. <sup>W</sup></u>	Percent efficiency _____
Reservoir area <u>3865.28 acres</u>	Annual generation <u>345,000,000 Kwh</u>
Storage capacity <u>543,812 acre feet</u>	Plant factor _____
Drainage area <u>846.8 square miles <sup>W</sup></u> <u>805 square miles <sup>W</sup></u> <i>2037 cfs/mi<sup>2</sup></i>	Mean flow <u>1729.84 cfs = 1,248,783 ac ft/yr</u> <u>1,160,000 acre feet</u> <u>1602.21 cfs</u>
Gross head <u>416 average</u>	Period of record <u>11 yrs (1975) gauge 15292700, area ratio</u>

Remarks:  
<sup>W</sup> APAD memo list of 252 sites, 1977  
<sup>W</sup> USGS calculations

Prepared by TK Date 12/78  
8/78