

Site No. 19050002-140 TK  
1/77

## UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site CHULITNA - Hurricane

Location Sec 3410, T22S R 11W Fairbanks Meridian Stream Chulitna

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

Reference AP Admin's list of 252 sites Date 1977

Quadrangle coverage HEALY (A-6) Alaska

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

39 maw installed

<p><u>W<sub>salt</sub> = 1340</u></p> <p>Dam: Height <u>260 feet</u> Length <u>1400 feet</u></p> <p>Normal pool altitude <u>1600 feet</u></p> <p>Reservoir area _____</p> <p>Storage capacity _____</p> <p>Drainage area <u>775 square miles</u> <span style="float: right;"><u>3.408 cfs / 3.30 cfs</u> <u>mi<sup>2</sup> mi<sup>2</sup></u></span></p> <p>Gross head _____</p>	<p>Undeveloped capacity <u>58,308 mw theoretical</u></p> <p>Percent efficiency _____</p> <p>Annual generation <u>164,000,000 Kwh</u></p> <p>Plant factor _____</p> <p>Mean flow <u>2638.36 cfs = 1,910,170 gpm/yr.</u> <u>1,900,000 gpm/yr</u> <span style="float: right;"><u>262 ± 31 cfs</u></span></p> <p>Period of record <u>14 yrs (1975) gage 15292400 area ratio</u></p>
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Remarks: 11 USGS calculations

Prepared by TK Date 12/78  
8/78