

Site No. 19050002-109 <sup>TK</sup> <sub>1/79</sub>

## UNDEVELOPED HYDROELECTRIC SITE

State Alaska County \_\_\_\_\_ Site Clearwater

Location Section 11, T22S, R4E Fairbanks Meridian Stream Clearwater Suleitil Susitna

Planned by (date) USGS - 1978

Reference MT Hayes (A-6), LLB 1954 Date \_\_\_\_\_

Quadrangle coverage MT. Hayes (A-6), Alaska

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

<p><i>wsalt = 2840</i>          Dam: Height <u>160 feet</u> Length <u>2300 feet</u></p>	<p>Undeveloped capacity <u>7.191 MW (at site)</u></p>
<p>Normal pool altitude <u>3000 feet</u></p>	<p>Percent efficiency _____</p>
<p>Reservoir area <u>2190 acres</u></p>	<p>Annual generation _____</p>
<p>Storage capacity <u>127,575 acre feet</u></p>	<p>Plant factor _____</p>
<p>Drainage area <u>186.4 square miles</u> <span style="float: right;"><u>2.84 cfs/mi<sup>2</sup></u></span></p>	<p>Mean flow <u>528.79 cfs = 382,842 acft/yr</u></p>
<p>Gross head <u>160'</u></p>	<p>Period of record <u>16 yrs (1975) gage 15291000, area ratio</u></p>

Remarks: \_\_\_\_\_

Prepared by TK Date 9/78