

Site No. 19050003-55 TK  
V7

## UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County \_\_\_\_\_ Site Lower TEBAY LAKELocation Section 29, T 7S, R 7E, Copper River Meridian Stream TEBAY River and CHITNA River

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

Reference "A Water Power Reconnaissance in So Central Alaska", USGS WSP 372 pg 54 Date 1915Quadrangle coverage VALDEZ (1°X3°); VALDEZ (A-1)Land: Public \_\_\_\_\_ Private \_\_\_\_\_ Use: P, I, FC, MI, R

WS alt = 1790' <sup>3/</sup>	Dam: Height <u>60 feet</u> Length _____	Undeveloped capacity <u>1.056 MW - 12.492 MW theoretical</u>
	Normal pool altitude <u>1850 feet <sup>3/</sup></u>	Percent efficiency _____
	Reservoir area _____	Annual generation _____
	Storage capacity _____	Plant factor _____
	Drainage area <u>64 square miles <sup>2/</sup></u> <u>3.23 cfs/mi<sup>2</sup></u>	Mean flow <u>150,000 acft/yr <sup>2/</sup> = 207 cfs</u>
	Gross head <u>1850 - 1140 = 710'</u> , <u>2.3 mile diversion to Little Bremner</u>	Period of record _____

## Remarks:

- <sup>2/</sup> Interim Report No 3, Copper River & Gulf Coast" USCE, 1950, Pg 109-110. If Falls Creek were diverted into Reservoir, DA=113, flow = 265,000 acft/yr = 366 cfs, T<sub>power</sub> = 1.867 MW theoretical; and w/diversion = 29.088 MW; If two dams built pool alt = 1900', T<sub>power</sub> = 3.422 MW; and w/diversion = 23.643 MW
- <sup>3/</sup> See "TEBAY Lakes Alaska" USGS plan sheets 1 & 2, 1962
- <sup>4/</sup> See "Falls Creek Saddle Site" on Falls Creek tributary Little Bremner river.
- <sup>5/</sup> See "Mineral & Water Resources of Alaska" USGS & State of Alaska, 1969, pg 172
- <sup>6/</sup> See "Water Resources Development by the Corps of Engineers in Alaska" USACE, 1965 pp 34-35.
- <sup>7/</sup> See APA Admins List of 252 sites, 1977

Prepared by TK Date 11/78