

TK
1/79Site No. 19050002-161

UNDEVELOPED HYDROELECTRIC SITE

State Alaska County _____ Site Iron CreekLocation Sec. 9, T 26 N, R 1 E Seward Stream Iron Creek trib. TALKEETNA

Planned by (date) _____

Reference AP Admin's list of 252 sites Date 1977Quadrangle coverage TALKEETNA Atlas (B-S) Alaska

Land: Public _____ Private _____ Use: P, I, FC, MI, R

31 mw installed

WS alt = 1400'	Dam: Height <u>350'</u> Length <u>2200'</u>	Undeveloped capacity <u>11.952 mw (dam) - 25.61 mw (div) theoretical</u>
	Normal pool altitude <u>1750 feet</u>	Percent efficiency _____
	Reservoir area <u>606.52 acres</u>	Annual generation <u>147,000,000 Kwh</u>
	Storage capacity <u>49,858 acre feet</u>	Plant factor _____
	Drainage area <u>197.23 square miles</u> <u>210 square miles</u> <u>2.037 cfs/mi²</u>	Mean flow <u>401.73 cfs = 290,836 ac ft/yr.</u> <u>400,000 acre feet</u> <u>552.49 cfs</u>
	Gross head <u>1750 - 1000 = 750'</u> <u>4 mile diversion to Sheep River</u>	Period of record <u>11 yrs (1975) gage 15292700, ana ratio</u>

Remarks: USGS CalculationsPrepared by TK Date 12/78
8/78