

Site No. 19050002-70 ^{TK/1A}

UNDEVELOPED HYDROELECTRIC SITE

State Alaska County _____ Site Glacier Fork (Upper) (TK)
 Location Section 6, T15N, R6E, Seward Meridian Stream Glacier Fork Knik River
 Planned by (date) USGS - 1978
 Reference _____ Date _____
 Quadrangle coverage Anchorage (B-4) Alaska
 Land: Public _____ Private _____ Use: P, I, FC, MI, R

ws alt = 725 feet Dam: Height <u>275 feet</u> Length <u>500 feet</u>	$Q_{50} = 85 \text{ mw}$ Undeveloped capacity <u>33.74 mw - 85.885 mw theoretical</u>
Normal pool altitude <u>1000 feet</u>	Percent efficiency _____
Reservoir area <u>421 acres</u>	Annual generation _____
Storage capacity <u>33,282 acre feet</u>	Plant factor _____
Drainage area <u>250 sq mi</u>	Mean flow <u>~ 1443 cfs</u> $Q_{50} = 1428$
Gross head <u>1000' - 300' = 700', 2.52 mile diversion</u>	Period of record <u>17 yrs see Glacier FK lower.</u>

Remarks: alternative to Glacier FK lower.Flows = Knik R - Palmer, mean = 6858, $Q_{50} = 6,786 \text{ cfs}$ (from WRD)Prepared by TK Date 12/78