

Omit from inventory - flow too small

Site No. 19050002-42 <sup>TK</sup>/<sub>1/79</sub>

### UNDEVELOPED HYDROELECTRIC SITE

State Alaska County \_\_\_\_\_ Site Mystery Creek (TK)

Location SW/4 Section 27, T6N, R5W Seward Memorial Stream Mystery Creek Trib Chickaloon

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

Reference \_\_\_\_\_ Date \_\_\_\_\_

Quadrangle coverage Kenai (C-1) Alaska

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

<u>WS alt 1150 feet</u>	Undeveloped capacity <u>1.2 MW at site</u>
Dam: Height <u>250 feet</u> Length <u>2000'</u>	Percent efficiency _____
Normal pool altitude <u>1400 feet</u>	Annual generation _____
Reservoir area _____	Plant factor _____
Storage capacity <u>61,200</u>	Mean flow <u>55 cfs (Est) = 39,800 ac-ft/yr</u>
Drainage area <u>32' sq mi ±</u>	Period of record _____
Gross head <u>1400' - 750' = 650', 3.3 mile diversion</u>	

Remarks: 3.04 MW with 3.3 mile diversion - Canals and exposed penstocks wouldn't be very good in cold weather.

Kenai National Moose Range

(Cover)

Prepared by TK Date 8/78  
SRG 11/78

## Area Capacity

Contour	Area	Capacity
1200	0	0
1250	41	1,030
1300	82	4,110
1350	329	14,400
1400	1542	61,200