

Site No. 19050002-146 TJK
1/79

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site Lucy

Location Section 18, T32N R3W Seward Meridian Stream Chubitna

Planned by (date) _____

Reference APAdmin's list of 252 sites Date 1977

Quadrangle coverage TALKEETNA WITH D-G? ALASKA

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

15mw installed

w salt = 900' Dam: Height <u>200 feet</u> Length <u>600 feet</u>	Undeveloped capacity <u>60.875 mw theoretical</u>
Normal pool altitude <u>1100 feet</u>	Percent efficiency _____
Reservoir area _____	Annual generation <u>71,000,000 kWh</u>
Storage capacity _____	Plant factor _____
Drainage area <u>1052 sq mi.</u> <u>1080 square miles</u> <u>3.404 cfs/mi²</u>	Mean flow <u>3580.89 cfs = 2,592,567 acft/yr</u> <u>2,600,000 acre feet</u> <u>3591.16 cfs</u>
Gross head <u>166' average</u>	Period of record <u>14 yrs (1975) gage 15292400 area ratio</u>

Remarks: ✓ USGS calculations

Prepared by TJK Date 12/78
8/78