

Site No. 19050002-57 ^{TK} _{1/79}

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site DAM SITE B

Location Sections 12 & 13, T 13 N, R 2 W Seward Meridian Stream Ship Creek

Planned by (date) _____

Reference Water Utilization - Ship Creek near Anchorage, Alaska" J.L. Gilbert Date May 1951

Quadrangle coverage Anchorage (A-7) ALASKA

Land: Public _____ Private _____ Use: P, I, FC, MI, R ^{5.301 thousand pipe}

<p><u>us alt = 1030</u> Dam: Height <u>240</u> <u>200 feet</u> Length <u>1500' @ 1285'</u> Normal pool altitude <u>1270</u> <u>1240 feet</u> Reservoir area <u>640 acres</u> Storage capacity <u>46,000</u> <u>29,500 acre feet</u> Drainage area <u>74.1</u> <u>74.95 square miles</u> Gross head <u>1270 - 500 = 770'</u> <u>1240' - 500' = 740'</u> <u>3 3/4 mile diversion</u></p>	<p><u>2.26 MW at site</u> Undeveloped capacity <u>8.119 mw (8,403?)</u> <u>by diversion</u> Percent efficiency _____ Annual generation _____ Plant factor _____ Mean flow <u>81 cfs through pipe</u> <u>129 cfs (133.6?)</u> <u>96,300 ac-ft/yr</u> Period of record <u>1946-70</u></p>
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Remarks: See: Metropolitan Anchorage Urban Study Part V - Water Supply" USCE - Anchorage, 7/78, pg 130.

Prepared by TK Date 8/78
SKO 11/78