

Site No. 19050003-

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site Power Creek
 Location SE 1/4 Section 4, T. 15 S., R. 2 W., Copper River Meridian Stream Power Creek trib Eyak R.
 Planned by (date) Central Public Utilities (1979)
 Reference 2/ "A Water Power Reconnaissance in So. Central Alaska," USGS WSP 372 Date 1915
 Quadrangle coverage Cordova, ALASKA (Recon.); Cordova (C-S), Alaska; 5/ Plan, Profile, Dam site, Power Creek Alaska (1949)
 Land: Public _____ Private _____ Use: I, FC, MI, R

W.S. Alt = 353 ft ^{5/}	Dam: Height <u>227 ft</u> ^{2/} pg 103 Length <u>780 ft</u>	Undeveloped capacity <u>4.457 mw (dam) - 11.192 mw (diversion) (T)</u>
Normal pool altitude <u>580 feet</u> ^{2/} pg 103	Reservoir area <u>1085 acres</u> ^{2/}	Percent efficiency _____
Storage capacity <u>105,640 acre feet</u> ^{2/}	Drainage area <u>19.2 square miles</u>	Annual generation _____
Gross head <u>580 - 10 = 570', 1.8 mile diversion</u>		Plant factor _____
		Mean flow <u>231 ft³/sec (168,000 ac ft/yr)</u>
		Period of record <u>1947-1977, 9 yrs 15216000, PA = 20.5 mg mi.</u>

Remarks: ^{1/} Original Calculations in Stream file

^{2/} FPP 160, 1/21/21, ALASKA Public Utilities; License Application Rejected 9/23/25; Lands Vacated by FPC 2/28/73.

^{3/} FPP 162, 1/24/21, WAIN & Young; Application for Permit rejected 3/27/22; Lands Vacated by FPC 2/28/73

^{4/} Preliminary Report on Water Power Resources of Power Creek near Cordova, Alaska, USGS, Johnson, 4/21/49.

^{5/} Interim Report No. 3, Copper River and Gulf Coast, Alaska, USAEC, 10/30/50.

^{6/} ALASKA, A Reconnaissance Report on the Potential Development of Water Resources... Bureau of Reclamation, revised February 1950.

^{7/} "Geology of the Site of a Proposed Dam & Reservoir on Power Creek..." USGS Circular 136, 1951.

Prepared by TJC Date 4/79

(OVER)

- 10) FPP 2178, 1/26/55, City of Cordova, Permit expired, lands vacated by FPC 2/28/73.
- 11) FPP 2505, 3/2/65, Ausman & Lippi, application withdrawn, lands vacated by FPC 2/28/73.
- 12) "Water Resources Development by USA CoE in Alaska" USACE, 1965.
- 13) "Alaskan River Basins, ALASKA" FPC Planning Status Report, 1967.
- 14) FPP 2656, 8/15/67, Cordova Public Utilities, Application for license dismissed by FPC 12/14/73.
- 15) FPP 2760, 9/2/75, Cordova Public Utilities, application outstanding as of 11/7/77 due to lands issue.