

Site No. 19050002-87 TK
1/79

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site CASTLE Mountain
 Location Section 20, T 20 N, R 5 E Seward Meridian Stream Kings River trib Matanuska
 Planned by (date) _____
 Reference Anchorage (D-5) ALASKA LLB-1952 Date 1952
 Quadrangle coverage Anchorage (D-5) ALASKA
 Land: Public _____ Private _____ Use: P, I, FC, MI, R

45 ALT 1220 feet Dam: Height <u>280 feet</u> Length <u>1500'</u> Normal pool altitude <u>1500 feet</u> Reservoir area _____ Storage capacity <u>58,600</u> Drainage area <u>130 sq mi (Est)</u> Gross head <u>1500' - 700' = 800'</u> div to Matanuska R.	Q₅₀ Undeveloped capacity <u>7.1 MW</u> Percent efficiency _____ Annual generation _____ Plant factor _____ Mean flow <u>420 cfs (Est) 305,000 ac-ft/yr</u> Period of record <u>None - based on Little Susitna</u>
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Remarks: Q₅₀ = 105 cfs (based on Caribou Crk)

(over)

Prepared by _____ Date _____

570

11/78

Area . Capacity

Contour	Area	Capacity
1220	0	0
1300	51	2750
1400	257	18,000
1500	555	58,600