

WATERPOWER OF THE UNITED STATES

State Alaska Stream Lake Ekaterina Site Lake Ekaterina 2592

County <u>First Judicial Division</u>	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>56</u> ° <u>49.7</u> ' " Long. <u>135</u> ° <u>06.0</u> ' "	Storage <u>75,000</u> af <u>92,511,750</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>15</u> sq. mi. <u>38.85</u> sq. km	Installable capacity _____ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m ³ /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	<u>16</u>	<u>.5</u>	<u>130</u>	<u>39.6</u>			<u>130</u>	<u>39.6</u>	<u>0.18</u>	
50	<u>144</u>	<u>4.1</u>							<u>1.59</u>	
mean	<u>160</u>	<u>4.5</u>							<u>1.77</u>	<u>12,390</u>

Remarks:

Baranof Island - Port Alexander D-4

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

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WATERPOWER OF THE UNITED STATES

State Alaska

Stream Lake Ekaterina

Site Lake Ekaterina

County First Judicial Division
 Mer. T. R. Sec.
 Lat. 56 ° 49.7' " Long. 135 ° 06.0' " "
 Miles above mouth
 Drainage Area 15 sq. mi. 38.85 sq. km

Owner
 Constructed 92,511,750
 Storage 75,000 of ~~92,511,750~~ m³
 Installed capacity mw
 Installable capacity mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m ³ /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	16	1.5	130	39.6			130	39.6	.177.18	
50	144	4.1							1.591	
mean	160	4.5							1.768.77	12,390.

Remarks:

Prepared by Date

Port Alexander D-4