

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

1906000

Basin Index 13 B C <sup>50</sup>

### WATERPOWER OF THE UNITED STATES

State Alaska Stream Lower Rostislaf Lake Site Rostislaf Lakes 2592

County <u>First Judicial Division</u>	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>56 °29.9 ' " Long. <u>134 ° 39.7 ' "</u></u>	Storage <u>35,000</u> af <u>43,172,150</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>4</u> sq. mi. <u>10.4</u> sq. km	Installable capacity _____ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	22	0.6	620	189.1	70	21.3	550	167.6	1.03	
50	72	2.0							3.37	
mean	80	2.3							3.74	26,180

Remarks: **Baranof Island - Port Alexander B-2**

Prepared by GCG Date \_\_\_\_\_

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WATERPOWER OF THE UNITED STATES

State Alaska Stream Lower Rostislaf Lake Site Rostislaf Lakes

County <u>First Judicial Division</u>				Owner _____			
Mer. _____	T. _____	R. _____	Sec. _____	Constructed <u>43,172,150</u>			
Lat. <u>56 ° 29.9 ' "</u>		Long. <u>134 ° 39.7 ' "</u>		Storage <u>35,010</u> of <u>8,172,75</u> m <sup>3</sup>			
Miles above mouth _____				Installed capacity _____ mw			
Drainage Area <u>4</u>		sq. mi. <u>10.4</u>		Installable capacity _____ mw			

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	22	.6	620	189.1	70	21.3	550	167.6	1028.03	
50	72	2.0							3366.37	
mean	80	2.3							3740	26,180

Remarks:

Prepared by \_\_\_\_\_ Date \_\_\_\_\_

Port Alexander B-2