

Kupreanof Island

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Form 9-1503

U.S. DEPARTMENT OF INTERIOR

Basin Index 13=C B

(Feb. 1962)

GEOLOGICAL SURVEY

## WATERPOWER OF THE UNITED STATES

State Alaska Stream Towers & Hamilton Creeks Site Towers Bay 2592

County \_\_\_\_\_ Owner \_\_\_\_\_

Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed \_\_\_\_\_

Lat. 56 ° 51 ' " Long. 133 ° 23 ' " Storage 100,000 of 123,349,000 m<sup>3</sup>

Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw

Drainage Area 77.5 sq. mi. 200.7 sq. km Installable capacity \_\_\_\_\_ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m³/sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	50	1.4	280	0.85	0	0.00	280	0.85	1.19	
50	415	11.7							9.88	
mean	550	15.6							13.09	91,630

Remarks: Under FPC Permit by City of PetersburgPetersburg D-5Prepared by GCG Date 12/64

# WATERPOWER OF THE UNITED STATES

State <u>Alaska</u>	Stream <u>Towers &amp; Hamilton Creeks</u>	Site <u>Towers Bay</u>	1592
County _____	Owner _____		
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____		
Lat. <u>56° 51'</u> " Long. <u>133° 23'</u> "	Storage <u>100,000</u> of <u>123,349,000</u> m <sup>3</sup>		
Miles above mouth _____	Installed capacity _____ mw		
Drainage Area <u>77.5</u> sq. mi. <u>200.47</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	50		280		0		280		1.19	
50	415								9.88	
mean	550								13.09	

Remarks:

Under FPC Permit by city of Petersburg

Petersburg D-5