

## WATERPOWER OF THE UNITED STATES

State Alaska Stream Brentwood Lakes Site Brentwood Lakes 2592

County <u>First Judicial Division</u>	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>56 ° 37.9 ' "</u> Long. <u>134 ° 41.0 ' "</u>	Storage <u>31,000</u> af <u>38,238,190</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>6.6</u> sq. mi. <u>17.09</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	23	<b>0.7</b>	705	<b>214.9</b>	30	<b>9.1</b>	675	<b>205.7</b>	1.32	
50	122	<b>3.5</b>							7.00	
mean	135	<b>3.8</b>							7.75	54,250

Remarks:

**Baranof Island - Port Alexander C-3**

WPS A 1947

Lake elev: 750 Upper  
610 Lower

Drain 6.6

Dams: Upper 30  
Lower 30

No power at upper 2800' conduit

PSC 221 All lands below 650' lake and stream should withdraw upper lake as it would be needed for regulation

Quad Port Alexander C-3

Lake elev: Upper 875  
Lower 685

Levels to both lakes and location of reservoirs surface, random soundings for draw down.

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

Basin Index \_\_\_\_\_

4045  
13 Bc

### WATERPOWER OF THE UNITED STATES

State Alaska Stream Brentwood Lakes Site Brentwood Lakes

County <u>First Judicial Division</u>				Owner _____			
Mer. _____ T. _____ R. _____ Sec. _____		Constructed <u>38,238,190</u>		Storage <u>31,000</u> af <u>7,238,19</u>		m <sup>3</sup>	
Lat. <u>56 ° 37.9'</u> " Long. <u>134 ° 41.0'</u> "				Installed capacity _____ mw			
Miles above mouth _____				Installable capacity _____ mw			
Drainage Area <u>6.6</u> sq.mi. <u>17.09</u> sq. km							

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	23	.7	705	219.9	30	9.1	675	205.7	1320	
50	122	3.5							7000	
mean	135	3.8							7.75 7746	54,250

Remarks:

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

-VV PSA 1947

Quad Port Alexander  
C-3

Lake elev.

upper 750

lower 610

Dam a 4.6

Dams

upper 30

lower 30

No power at upper

2800' conduit:

PSC 221 all lands below 650' Lake's stream

should withdraw upper lake  
as it would be needed for  
regulation

Lake elev.

upper 825

lower 685

tends to both lakes  
and location of  
reservoir surface,  
random sampling  
for draw down.

PSC