

WATERPOWER OF THE UNITED STATES

State Alaska Stream Granite Lake Site Granite Lakes 2592

County <u>First Judicial Division</u> Mer. _____ T. _____ R. _____ Sec. _____ Lat. <u>55</u> ° <u>40</u> 'N " Long. <u>130</u> ° <u>54</u> 'W. " Miles above mouth _____ Drainage Area <u>8</u> sq. mi. <u>20.72</u> sq. km	Owner _____ Constructed _____ Storage <u>16,000</u> af <u>19,735,840</u> m ³ Installed capacity _____ mw Installable capacity _____ mw
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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	9	0.3	1220	371.9			1220	371.9	0.93	
50	86	2.4							8.92	
mean	95	3.1							9.85	68,950

Remarks: **Ketchikan C-3 Quad**
12 sq. miles = 153 cfs at Punchbowl

WPSA 1947

Excellent dam site at
out let of Lower Lake
Dam 60' high

Dams at upper lakes
and tunnels for regulation

Over Kel C-3

Small dam down may
be feasible
might raise lower lake
to elev. 1000

P mean 7000 ft ?

To protect upper lake for regulation
withdraw lands below 1400'

FPP 769 all lands within 1/4 mile of creek
- - - 500' of lower lake

Does not cover
upper lake

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index _____

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WATERPOWER OF THE UNITED STATES

State Alaska

Stream Granite Lake

Site Granite Lakes

County First Judicial Division

Owner _____

Mer. _____ T. _____ R. _____ Sec. _____

Constructed _____

Lat. 55° 40' N. " Long. 130° 54' W. "

Storage 16,000 of 19,735,840 m³

Miles above mouth _____

Installed capacity _____ mw

Drainage Area 8 sq. mi. 20.72 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	9	1.3	1220	371.9			1220	371.9	.933	
50	86	2.4							8.92 8918.92	
mean	95	3.1							9851	67,050

Remarks:

68,950

Prepared by _____ Date _____

Ketchikan C-3