

WATERPOWER OF THE UNITED STATES

State	Alaska	Stream	Patterson Lake	Creek	Site	Patterson Lake
County _____				Owner _____		
Mer. _____ T. _____ R. _____ Sec. _____				Constructed _____		
Lat. 57 ° 38 ' " Long. 135 ° 48 ' "				Storage 15,000 af 18,502,350 m ³		
Miles above mouth _____				Installed capacity _____ mw		
Drainage Area 5.0 sq. mi. 12.95 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	6	0.2	480	146.3	50	15.2	430	131.1	0.22	
50	56	1.6							2.02	
mean	62	1.8							2.26	16,220

Remarks: **Chichagof Island - Sitka C-6**

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WATERPOWER OF THE UNITED STATES

State <u>Alaska</u>	Stream <u>Patterson Lake</u>	Site <u>Patterson Lake</u>	2592
County _____		Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____		Constructed _____	
Lat. <u>57° 38'</u> " Long. <u>135° 48'</u> "		Storage <u>15,000</u> af <u>18,562,350</u> m ³	
Miles above mouth _____		Installed capacity _____ mw	
Drainage Area <u>5.0</u> sq. mi. _____ 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	6		480		50		430		0.22	
50	56								2.02	
mean	62								2.26	

Remarks:

Setha C. G. - Chickagof Island