

WATERPOWER OF THE UNITED STATES

State Alaska Stream Deer Lake Site Deer Lake

County <u>First Judicial Division</u>	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>56 °31.1 ' "</u> Long. <u>134 °40.2 ' "</u>	Storage <u>65,000</u> of <u>80,176, 850</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>7.4</u> sq.mi. <u>19.17</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	47	1.3	425	129.5			425	129.5	1.70	
50	156	4.4							5.64	
mean	161	4.6							5.82	40,740

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

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WATERPOWER OF THE UNITED STATES

State Alaska Stream Deer Lake Site Deer Lake

County First judicial Division Owner \_\_\_\_\_  
 Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed 80,176,850  
 Lat. 56° 31.1' " Long. 134° 40.2' " Storage 65,000 af 15,176.85 m<sup>3</sup>  
 Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw  
 Drainage Area 7.4 sq. mi. 19.17 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	47	1.3	425	129.5			425	129.5	1.70 1698	
50	156	4.4							5.84 5635	
mean	161	4.6							5.82 5816	40,740

Remarks:

Port Alexander C. 3

## WATERPOWER OF THE UNITED STATES

State <u>Alaska</u>	Stream <u>Fawn Lake</u>	Site _____	2592
County _____		Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____		Constructed _____	
Lat. <u>56 ° 31.1'</u> " Long. <u>134 ° 40.2'</u> "		Storage _____ af _____ m <sup>3</sup>	
Miles above mouth _____		Installed capacity _____ mw	
Drainage Area <u>1.8</u> sq. mi. _____ 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	6		220				220		112	
50	32								598	
mean	35								654	

Remarks:

*See D ex 1 lake? " Water Powers of SE Alaska, FPC & USFS, 1947*