

## WATERPOWER OF THE UNITED STATES

State	Alaska	Stream	Lake Florence	Site	Lake Florence
County	First Judicial Division			Owner	
Mer.	T.	R.	Sec.	Constructed	
Lat.	57 ° 48.2'	"	Long. 134 ° 43.0'	Storage	27,000 of 33,304,230 m <sup>3</sup>
Miles above mouth				Installed capacity	
Drainage Area	38.7	sq. mi.	100.23	sq. km	Installable capacity

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	48	1.4	155	47.2	15	4.6	140	42.7	0.57	
50	204	5.8							2.43	
mean	230	6.5							2.74	19,180

Remarks: **Admiralty Island - Sitka D-3**

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State Alaska Stream Lake Florence Site Lake Florence

County <u>First Judicial Division</u>				Owner _____	
Mer. _____	T. _____	R. _____	Sec. _____	Constructed <u>33,304,230</u>	
Lat. <u>57 ° 48.2'</u>		" Long. <u>134 ° 43.0'</u>		Storage <u>27,000</u> af <u>6,304.23</u> m <sup>3</sup>	
Miles above mouth _____				Installed capacity _____ mw	
Drainage Area <u>38.7</u> sq. mi.		<u>100.23</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	48	1.4	155	47.2	15	4.6	140	42.7	.571	
50	204	5.8							2428.43	
mean	230	6.5							2737.74	19,180

Remarks:

Subu D-3