

WATERPOWER OF THE UNITED STATES

State <u>Alaska</u>	Stream <u>Kasnyku Lake</u>	Site <u>Kasnyku Lake</u>	2592
County <u>First Judicial Division</u>		Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____		Constructed _____	
Lat. <u>57</u> ° <u>11.6</u> ' " Long. <u>134</u> ° <u>50.0</u> ' "		Storage <u>27,000</u> of <u>33,304,230</u> m ³	
Miles above mouth _____		Installed capacity _____ mw	
Drainage Area <u>4.6</u> sq. mi. <u>11.91</u> 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	3	<u>0.1</u>	651	<u>198.4</u>			651	<u>198.4</u>	0.17	
50	57	<u>1.6</u>							3.15	
mean	70	<u>2.1</u>							3.87	27,090

Remarks:

Baranof Island - Sitka A-3

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WATERPOWER OF THE UNITED STATES

State Alaska Stream Kasnyku Lake Site Kasnyku Lake

County <u>First Judicial Division</u>				Owner _____	
Mer. _____	T. _____	R. _____	Sec. _____	Constructed _____	
Lat. <u>57 ° 11.6 ' "</u> Long. <u>134 ° 50.0 ' "</u>				Storage <u>27,000</u> af <u>6,304.23</u> m ³	
Miles above mouth _____				Installed capacity _____ mw	
Drainage Area <u>4.6</u> sq.mi. <u>11.92</u> 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	3	.1	651	198.4			651	198.4	.166	.17
50	57	1.6							3154	
mean	70	2.1							3873	27,090

Remarks:

Sitka A-3