

WATERPOWER OF THE UNITED STATES

State Alaska Stream Benzeman Lake Site Benzeman Lake 2592

County <u>First Judicial Division</u> Mer. _____ T. _____ R. _____ Sec. _____ Lat. <u>56° 45.4'</u> " Long. <u>135° 00.4'</u> " Miles above mouth _____ Drainage Area <u>32</u> sq. mi. <u>82.88</u> sq. km	Owner _____ Constructed _____ Storage <u>190,000</u> of <u>234,363,100</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	48	1.4	214	65.3	14	4.3	200	61.1	.82	
50	360	10.2							6.12	
mean	400	11.3							6.80	47,600

Remarks: **Baranof Island - Port Alexander D-4**

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State Alaska Stream Benzeman Lake Site Benzeman Lake 2592

County <u>First Judicial Division</u>				Owner _____			
Mer. _____	T. _____	R. _____	Sec. _____	Constructed _____ <u>234 363 100</u>			
Lat. <u>56 ° 45.4'</u>		" Long. <u>135 ° 00.4'</u>		Storage <u>190,000</u> af <u>44,363.10</u> m ³			
Miles above mouth _____				Installed capacity _____ mw			
Drainage Area <u>32</u>		sq. mi. <u>82.88</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	48	<u>1.4</u>	<u>214</u>	<u>65.3</u>	<u>14</u>	<u>4.3</u>	<u>200</u>	<u>61.1</u>	<u>.816</u> .82	
50	<u>360</u>	<u>10.2</u>							<u>6120</u>	
mean	<u>400</u>	<u>11.3</u>							<u>6800</u>	<u>47,600</u>

Remarks:

Port Alexander D-4