

WATERPOWER OF THE UNITED STATES

State **Alaska** Stream **Suloia Lake** Site **Suloia Lake** 1582

County First Judicial Division Mer. _____ T. _____ R. _____ Sec. _____ Lat. 57 ° 24.9 ' N Long. 135 ° 41.4 ' W Miles above mouth _____ Drainage Area 8.8 sq. mi. 22.79 sq. km	Owner _____ Constructed _____ Storage 26,000 af 32,070,740 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	17	0.5	305	93.0	0		305	93.0	0.43	
50	90	2.6							2.30	
mean	100	2.8							2.55	17,850

Remarks:

Chichagof Island - Sitka B-6

WATERPOWER OF THE UNITED STATES

State Alaska Stream Suloia Lake Site Suloia Lake 1592

County <u>First Judicial Division</u>				Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____				Constructed _____	
Lat. <u>57 ° 24.9 ' N</u> " Long. <u>135 ° 41.4 ' W.</u> "				Storage <u>26,000</u> of <u>32,070,740</u> m ³	
Miles above mouth _____				Installed capacity _____ mw	
Drainage Area <u>8.8</u> sq. mi. <u>22.79</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	<u>17</u>	<u>0.5</u>	<u>305</u>	<u>214.9</u>	<u>0</u>	<u>305</u>	<u>214.9</u>	<u>1.02</u> <u>0.43</u>		
50	<u>90</u>	<u>2.6</u>						<u>5.39</u> <u>2.30</u>		
mean	<u>100</u>	<u>2.8</u>						<u>5.99</u> <u>2.55</u>	<u>41,930</u>	

Remarks:

Suka B-6 - Chickagof Island

17,850