

WATERPOWER OF THE UNITED STATES

State Alaska Stream Simmons Creek Site Rust Lake 2592

County _____ Mer. <u>Copper R.</u> T. <u>49 S.</u> R. <u>59 E.</u> C.M. Sec. <u>7</u> Lat. <u>57 ° 39 ' "</u> Long. <u>135 ° 59 ' "</u> Miles above mouth _____ Drainage Area <u>5.6</u> sq. mi. <u>14.5</u> sq. km	Owner <u>Chichagof Mining Co.</u> Constructed _____ Storage <u>15,000</u> af <u>18,502,350</u> m ³ Installed capacity <u>.80</u> 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	<u>12</u>	<u>0.34</u>	<u>350</u>	<u>106.7</u>	<u>0</u>		<u>350</u>	<u>106.7</u>	<u>0.36</u>	
50	<u>63</u>	<u>1.78</u>							<u>1.07</u>	
mean	<u>70</u>	<u>1.98</u>							<u>2.08</u>	<u>14,560</u>

Remarks:

Sitka C-6