

WATERPOWER OF THE UNITED STATES

State	Alaska	Stream	Rust Lake Creek	Site	Rust Lake
County	First Judicial Division			Owner	
Mer.	T.	R.	Sec.	Constructed	
Lat.	57 °39.1 ' N "		Long.	135 °59.0 ' W. "	
Miles above mouth					
Drainage Area	5.6	sq. mi.	14.50	sq. km	
				Storage	15,000 af 18,502,350 m ³
				Installed capacity	mw
				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	8	.2	733	223.4	0		733	223.4	.50	
50	63	1.8							3.93	
mean	70	2.1							4.36	30,520

Remarks: **Partially developed See Simmons Creek**

Sitka C-6

WATERPOWER OF THE UNITED STATES

State Alaska Stream Rust Lake Site Rust Lake

County <u>First Judicial Division</u>				Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____				Constructed _____	
Lat. <u>57 °39.1 'N.</u> " Long. <u>135 °59.0 'W.</u> "				Storage <u>15,000</u> of <u>3,502,350</u> m ³	
Miles above mouth _____				Installed capacity _____ mw	
Drainage Area <u>5.6</u> sq.mi. <u>14.50</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	8	.2	733	223.4	0		733	223.4	.498,50	
50	63	1.8							3925,13	
mean	70	2.1							4361	30,520

Remarks:

Partially developed. see (Simmons Creek)

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