

13Cc

7/

WATERPOWER OF THE UNITED STATES

State Alaska Stream Thoms Lake Site Thoms Lake 2592

County <u>First Judicial Division</u>				Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____			Storage <u>8,000</u> of <u>9,867,920</u> m ³	
Lat. <u>56 ° 13 ' "</u> Long. <u>132 ° 16.2 ' "</u>	Miles above mouth _____			Installed capacity _____ mw	
Drainage Area <u>13.4*</u> sq.mi. <u>34.71</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	18	0.5	290	88.4			290	88.4	0.44	
50	144	4.1							3.55	
mean	160	4.5							3.94	27,580

Remarks: * includes 5.5 mi. diversion

Wrangell Island - Petersburg A-1

Wronzell 92

WATERPOWER OF THE UNITED STATES

State Alaska Stream Thoms Lake Site Thoms Lake

County First Judicial Division
 Mer. _____ T. _____ R. _____ Sec. _____
 Lat. 56 ° 13 ' " Long. 132 ° 16.2 ' "
 Miles above mouth _____
 Drainage Area 13.4* sq.mi. 34.71 sq. km

Owner _____
 Constructed 9867 920
 Storage 8,000 af 4867.92 m³
 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	18	.5	290	88.4			290	88.4	.444	
50	144	4.1							3550	
mean	160	4.5							3944	27,580

Remarks:

* includes 5.5 mi. diversion

Petersburg A1