

**WATERPOWER OF THE UNITED STATES**

State Alaska Stream Lake Diane<sup>a</sup> Site Lake Diane<sup>a</sup>

County <u>First Judicial Division</u>				Owner _____			
Mer. _____ T. _____ R. _____ Sec. _____				Constructed _____			
Lat. <u>56</u> ° <u>53</u> ' " Long. <u>135</u> ° <u>02.5</u> ' "				Storage <u>40,000</u> af <u>49,339,600</u> m <sup>3</sup>			
Miles above mouth _____				Installed capacity _____ mw			
Drainage Area <u>3.5</u> sq. mi. <u>9.07</u> sq. km				Installable capacity _____ mw			

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	3	.1	1728	526.7	253	77.1	1475	449.6	0.38	
50	30	.9							3.76	
mean	36	1.0							4.51	31,570

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

Form 9-1503  
(Feb. 1962)

U. S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

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WATERPOWER OF THE UNITED STATES

State Alaska Stream Lake Diane Site Lake Diane

County First Judicial Division  
 Mer.          T.          R.          Sec.           
 Lat. 56 ° 53 '        " Long. 135 ° 02.5 '        "  
 Miles above mouth           
 Drainage Area ~~25~~ 3.5 sq. mi. 9.07 sq. km

Owner           
 Constructed           
 Storage 40 000 af 49 339 600 9,339.60 m<sup>3</sup>  
 Installed capacity          mw  
 Installable capacity          mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	3	.1	1728	526.7	253	77.1	1475	449.6	376 .38	
50	30	.9							3761-	
mean	36	1.0							4513	31,570

Remarks:

Prepared by          Date

Port Alexander D-4

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