

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

19060000

12 ✓

Basin Index 13 AE

WATERPOWER OF THE UNITED STATES

State Alaska Stream Carlson Creek Site Carlson (Creek?)

County <u>Frost Judicial Division</u>	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>58 ° 18.4 ' N</u> " Long. <u>134 ° 08.5 ' W</u> "	Storage <u>50,000</u> af <u>61,674,500</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>22.3</u> sq.mi. <u>57.76</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	16	0.5	440	134.1	20	6.1	420	128.0	0.57	
50	260	7.4							9.28	
mean	312	8.8							11.14	77,980

Remarks: **Juneau B-1**

Prepared by GCG Date \_\_\_\_\_

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U. S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

Basin Index \_\_\_\_\_

4# 12  
13 AE

WATERPOWER OF THE UNITED STATES

State Alaska Stream Carlson Creek Site Carlson Lake (Creek?)

County \_\_\_\_\_ Owner \_\_\_\_\_  
Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed \_\_\_\_\_  
Lat. 58° 18.0' N. " Long. 134° 08.5' W. " Storage 50,000 af 61,674,500 m<sup>3</sup>  
Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw  
Drainage Area 22.3 sq. mi. 57.76 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	16	1.5	440	134.1	20	6.1	420	128.0	.571	
50	260	7.4							9,282	
mean	312	8.8							11,138,14	77,980

Remarks:

Prepared by \_\_\_\_\_ Date \_\_\_\_\_

Juneau B-1

## WATERPOWER OF THE UNITED STATES

State Alaska Stream Carlson Creek Site Carlson (Creek?)

County <u>First Judicial Division</u> Mer. _____ T. _____ R. _____ Sec. _____ Lat. <u>58° 18.4' N</u> " Long. <u>134° 08.5' W</u> " Miles above mouth _____ Drainage Area <u>22.3</u> sq. mi. <u>57.76</u> sq. km	Owner _____ Constructed _____ Storage <u>50,000</u> <sup>83,000</sup> af <u>61,674,500</u> m <sup>3</sup> 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 <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	16	0.5	440	134.1	20	6.1	420	128.0	0.57	
50	260	7.4	<i>m</i>		<i>o</i>				9.28	
mean	312	8.8	<i>560</i>		<i>8</i>				11.14	77,980

Remarks: Juneau B-1