

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Site No 1905 0002-179 JK 207 ✓
Basin Index 14 JJ

WATERPOWER OF THE UNITED STATES

State Alaska Stream Crescent Lake River Site Crescent Lake

County _____	Owner _____
Mer. <u>Seward T. 3N</u> R. <u>21 W</u> Sec. <u>12-13</u>	Constructed _____
Lat. <u>60 ° 18 ' 10 "</u> Long. <u>152 ° 55 ' 20 "</u>	Storage <u>275,000</u> af <u>339,209,750</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>224220</u> sq.mi. <u>580</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	25	0.7	599	182.6	0	0	599	182.6	1.27	
50	245	6.9							12.47	
mean	690	19.5							35.13	245,910

Remarks: **Salmon stream**

Kenai B-8

AP Admins list of 252 sites, 1977

207
14-JJ

WATERPOWER OF THE UNITED STATES

State Alaska

Stream Crescent Lake

Site Crescent Lake
Grecian River

County _____				Owner _____			
Mer. _____	T. _____	R. _____	Sec. _____	Constructed _____			
Lat. <u>60° 18' 10"</u> Long. <u>152° 55' 20"</u>				Storage <u>275,000</u> of <u>339,209,750</u> m ³			
Miles above mouth _____				Installed capacity _____ mw			
Drainage Area <u>224</u> sq. mi. <u>580</u> sq. km				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	25	<u>.7</u>	<u>599</u>	<u>182.6</u>	<u>0</u>	<u>0</u>	<u>599</u>	<u>182.6</u>	<u>1,273</u>	-
50	245	<u>6.9</u>							<u>12,474</u>	-
mean	690	<u>19.5</u>							<u>35,131</u>	<u>245,910</u>

Remarks:

Salmon stream.

Kerai B-8