

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

Basin Index 14-H D

WATERPOWER OF THE UNITED STATES

State Alaska Stream Karluk Lake River Site Karluk Lake

County _____	Owner _____
Mer. <u>Seward</u> <sup>Dam?</sup> T. <u>31 S</u> R. <u>30 W</u> Sec. <u>33</u>	Constructed _____
Lat. <u>57 ° 32 ' 1 " N</u> Long. <u>154 ° 07 ' "</u>	Storage <u>120,000</u> of <u>148,018,800</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>177</u> sq. mi. <u>458</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	68	1.9	300	91.4	0	0	300	91.4	1.73	
50	470	13.3	400?						11.9g	
mean	700	19.8							17.85	124,950

Remarks: Karluk C-1 B-1  
TO LARSEN Bay?

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U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

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

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14-HD

WATERPOWER OF THE UNITED STATES

State Alaska Stream Karluk Lake River Site Karluk Lake

County \_\_\_\_\_ Owner \_\_\_\_\_  
 Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed \_\_\_\_\_  
 Lat. 57° 32' " Long. 154° 07' " Storage 120,000 of 148,018,800 ✓ m<sup>3</sup>  
 Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw  
 Drainage Area 177 sq. mi. 458 ✓ 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 <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	68	1.9	300		0		300	91.4	1.734	
50	470	13.3							11.985	
mean	700	19.8							17.850	124,950 ✓

Remarks:

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

Karluks C-1