

Form 9-1503
(Feb. 1962)

U. S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index

13 A

WATERPOWER OF THE UNITED STATES

State Alaska

Stream Davies Creek

Site Davies Creek

County First Judicial Division

Mer. Copper River T. 37 S., R. 64 E. Sec. 17

Lat. 58 ° 38.6' N. " Long. 134 ° 54.5' W. "

Miles above mouth

Drainage Area 17.7 sq.mi. 45.84 sq. km

Owner

Constructed

Storage 32,000 af 39,471,680 m³

Installed capacity

Installable capacity

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m³/sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	22	0.6	350	307.1	50	15.2	300	91.4	0.56	
50	162	4.6							4.13	
mean	180	5.1							4.59	32,130

Remarks:

Juneau C-3

Prepared by GCG Date

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(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index 9

13 AC

WATERPOWER OF THE UNITED STATES

State Alaska

Stream

Davies Creek

Site

Davies Creek

2592

County First Judicial Division

Mer. T. R. Sec.

Lat. 58 ° 38.6 ' N. " Long. 134 ° 54.5 ' W "

Miles above mouth

Drainage Area 17.7 sq. mi. 45.84 sq. km

Owner

Constructed

Storage 32,000 af 39,471,680 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	22	.6	350	307.1	50	15.2	300	91.4	.561	
50	162	4.6							4131	
mean	180	5.1							4590	32,130

Remarks:

Prepared by Date

junior C-3

WATERPOWER OF THE UNITED STATES

State <u>Alaska</u>	Stream <u>Davies Creek</u>	Site <u>Davies Creek</u>
County <u>First Judicial Division</u>		Owner _____
Mer. _____ T. _____ R. _____ Sec. _____		Constructed _____
Lat. <u>58 ° 38.6 ' N. " Long. <u>134 ° 54.5 ' W. "</u></u>		Storage <u>32,000</u> af <u>39,471,680</u> m ³
Miles above mouth _____		Installed capacity _____ mw
Drainage Area <u>17.7</u> sq.mi. <u>45.84</u> sq. km		Installable capacity _____ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m³/sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	22	0.6	350	307.1	50	15.2	300	91.4	0.56	
50	162	4.6							4.13	
mean	180	5.1							4.59	32.130

Remarks: Juneau C-3

US at Dam site = $\frac{350}{160' \text{ Dam}}$
about 1 mile to elev 50?
Dam crest length about 450