Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

75
Basin Index 13 Cc

WATERPOWER OF THE UNITED STATES

State Alaska Stream Burnett Lake Site Burnett Lake 2592

County

Mer. Copper R. T. 66S R. 84E Sec. 29

Lat. 56 06.8 ' ✓ " Long. 132 ° 28 ✓ ' "

Miles above mouth 0.6 ✓

Drainage Area 6.7 ✓ sq.mi. 17.35 sq. km

Owner

Constructed

Storage 7,000 ✓ af 8,634,430 m^3

Installed capacity mw

Installable capacity mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER	ESTIMATED AVERAGE ANNUAL GENERATION
Percent duration	cfs	m^3/sec	Forebay		Tailrace		Gross		mw–100 % Eff.	mwh
			ft.	m	ft.	m	ft.	m		
95	7	0.2	223	68.1	~~7~~	2.1	230 ✓	70.1	0.14	
50	72	2.0	242 ✓		0		242		1.41	
mean	80 ✓	2.3	877						~~1.56~~ 1645	10,920

Remarks:

Etolin Island - Petersburg A-2 El 212 + 30' raise ✓

✓ See "Waterpower of Southeast Alaska" FPC & USFS, 1947, pg 92

2/ 1947 report calls for raising surface of lake 30 feet; Quad shows surface to be 212 feet.

Prepared by GCG Date

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Basin Index 13Cc

WATERPOWER OF THE UNITED STATES

State Alaska Stream Burnett Lake Site Burnett Lake

County

Mer. T. R. Sec.

Lat. 56 ° 06.8 ' " Long. 132 ° 28.0 ' "

Miles above mouth

Drainage Area 6.7 sq. mi. 17.35 sq. km

Owner

Constructed 8634430

Storage 7,000 af 1,634,413 m³

Installed capacity mw

Installable capacity mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER	ESTIMATED AVERAGE ANNUAL GENERATION
Percent duration	cfs	m³/sec	Forebay		Tailrace		Gross		mw-100% Eff.	mwh
			ft.	m	ft.	m	ft.	m		
95	7	.2	223	68.1	7	2.1	230	70.1	.14 .137	
50	72	2.0							1.41 1408	
mean	80	2.3							1564	10,920

Remarks:

Prepared by Date

Petersburg AZ