

Form 9-1503
(Feb. 1962)

Admiralty 5/79

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19060000

Basin Index 143

WATERPOWER OF THE UNITED STATES

State	Alaska	Stream	Eliza Lake	Site	Eliza Lake	2592
County	First Judicial Division			Owner		
Mer.	CR	T.	545	R.	70E	Sec. 16
Lat.	57 ° 11.3'		"	Long.	134 ° 18.0' "	
Miles above mouth				Storage	5,000 af	
Drainage Area	6.9		sq.mi.		sq. km	
				Installed capacity	mw	
				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	8		230				230		156	
50	50								977	
mean	55								1075	

Remarks:

See Water Powers of SE Alaska, FPC & USFS, 1947

Prepared by _____ Date _____

WATERPOWER OF THE UNITED STATES

State Alaska Stream Eliza Lake Site Eliza Lake 1592

County _____ Owner _____

Mer. C.R. T. 54S R. 70E Sec. 16 Constructed _____

Lat. 57° 12' " Long. 134° 18' " Storage 5,000 af _____ m³

Miles above mouth 0 Installed capacity _____ mw

Drainage Area 7 est sq.mi. _____ 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			235		0		235			
50										
mean	55 est							1100		

Remarks:

W. P. S. A, FPC + FS 1947

lake elev 300

only a low dam (20')

dam site only satisfactory for low dam

90' dam = 5,000 ac. ft of storage

1100 Hp primary, 1400 average Hp

5,500' conduit to power house
at mouth of creek.

lake surface 219 acres

Quad Site #1, #2
Admiralty Island
Lake elev 215

saddle in upper valley
at 300' elev.

saddle just south of
dam site below 300' elev.
est. length 900' at
300' elev.

T.L. To Tree 18 miles

To Hood Bay 15 miles

PSC 221 - all below 350' lake to stream

Int 172 limits withdrawal to no more than 1/4 mile

Int 247 certain legal subdivisions + 1/2 mile of lake

Size and amount of construction
disproportionate to power

restore withdrawals

B