

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030002

Basin Index 152
14 B E

WATERPOWER OF THE UNITED STATES

State Alaska Stream Birch Creek Site Birch Creek 2592

County _____	Owner _____
Mer. <u>Fairbanks T. 6 N., R. 14 E.</u> Sec. _____	Constructed _____
Lat. <u>65 ° 21 ' "</u> Long. <u>144 ° 47 ' "</u>	Storage <u>160,000</u> ^{248,000 1/2} of <u>197,358,400</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>730 - 738.75 1/2</u> sq. mi. <u>1890.7</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	32	0.9	1400	426.7	1200	365.8	200	61.0	0.54	
50	240	6.8							4.08	
mean	550	15.6							9.35	65,450

Remarks: **Circle B-2** quad ⁴/_{angle}

Prepared by GCG Date _____

14-3E

WATERPOWER OF THE UNITED STATES

State Alaska Stream Birch Creek Site Birch Creek 2592

County _____ Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 65° 21' " Long. 144° 47' " Storage 160,000 of 197,358,400 ✓ m³
 Miles above mouth _____ 1890.7 Installed capacity _____ mw
 Drainage Area 730 sq.mi. 2153.5 sq. km Installable capacity _____ mw

17.0

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	32	.9 ✓	1400	426.7	1200	365.8	200	61.6	5.4 ✓	
50	240	6.8 ✓							4.080 ✓	
mean	550	15.6 ✓							9.350 ✓	65,450 ✓

Remarks:

.544 ✓

Archi - B-2