

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030004

156 ✓

Basin Index 14 CB

WATERPOWER OF THE UNITED STATES

State Alaska Stream Tanana River Site Cathedral Rapids 1592

County _____ Owner _____
Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
Lat. 63 ° 23 ' 20 " Long. 143 ° 44 ' 30 " Storage 3,400,000 af 4,193,866,000 m³
Miles above mouth _____ Installed capacity _____ mw
Drainage Area 8,550 sq.mi. 22,144.5 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	1710	48.4	1612	491.3	1480	451.1	132	40.2	19.19	
50	3320	94.0							37.25	
mean	7570	214.4							84.94	594,580

Remarks: **Total storage 5,800,000 acre-feet**

Tanacross B-6 quadrangle

Prepared by GCG Date _____

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WATERPOWER OF THE UNITED STATES

State Alaska

Stream Tanana River

Site Cathedral Rapids

2592

County _____ Owner _____
Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
Lat. 63 ° 23 ' 20 " Long. 143 ° 44 ' 30 " Storage 3,400,000 af 4,193,866,000 ✓ m³
Miles above mouth 22144.5 Installed capacity _____ mw
Drainage Area 8,550 sq.mi. 25222.5 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	1710	48.4	1612	491.3	1480	451.1	132	40.2	19,186	19.19
50	3320	94.0							37,250	
mean	7570	214.4							84,935	594 580

Remarks:

Total storage = 5,800,000 ac-ft

Prepared by _____ Date _____

Taracron B-6