

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030004

Basin Index 159
14 CC

WATERPOWER OF THE UNITED STATES

State Alaska-Tanana-~~stream~~ Chena River Site Chena River

County _____ Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 64 ° 54 ' 00 " Long. 146 ° 22 ' 00 " Storage 320,000 of 394,716,800 m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 950 sq. mi. 2460.5 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	105	3.0	900	274.3	746	227.4	154	46.9	1.37	
50	416	11.8							5.45	
mean	905	25.6							11.85	82,950

Remarks: **Total storage 595,000 acre-feet**

Big Delta D-5 quadrangle

Prepared by GCG Date _____

Tanana

159-22
14-CC

WATERPOWER OF THE UNITED STATES

State Alaska Stream Chena River Site Chena

County _____ Owner _____
 Mer. T. 14 N R. 6 E. Sec. 13 & 24 Constructed _____
 Lat. 64° 54' 00" Long. 146° 22' 00" Storage 329,000 of 394,716,800 m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 950 sq. mi. 2802.5 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	105	3.0	900	274.3	746	227.4	154	46.9	1,374	
50	416	11.8							5,445	2,45
mean	905	25.6							11,846	17.85 82,950

Remarks:

Total storage 595,000 ac ft

Py Delta D-5

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