

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030002

Basin Index 14-B B ^{149 ✓}

WATERPOWER OF THE UNITED STATES

State Alaska Stream Yukon River Site Woodchopper Creek 2592

County _____				Owner _____			
Mer. _____ T. <u>6 N</u> R. <u>21 E.</u> Sec. <u>11-14</u>				Constructed _____			
Lat. <u>65 ° 21 ' 20 "</u> Long. <u>143 ° 21 ' "</u>				Storage <u>21,500,000</u> of <u>26,520,035,000</u> m ³			
Miles above mouth _____				Installed capacity _____ mw			
Drainage Area <u>121,800</u> sq. mi. <u>315,462.0</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	9500	<u>269.0</u>	1030	<u>313.9</u>	650	<u>198.1</u>	380	<u>115.8</u>	306.85	
50	33500	<u>948.6</u>							1082.05	
mean	73102	<u>2070.0</u>							2361.20	16,528,400

Remarks: 000
Total storage 69,500, acre feet.

Charley River B-5

WATERPOWER OF THE UNITED STATES

State Alaska Stream YUKON RIVER Site WOODCHOPPER

County _____	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>65</u> ° <u>21</u> ' <u>20</u> " Long. <u>143</u> ° <u>21</u> ' "	Storage <u>21,500,000</u> of <u>26,520,035,000</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>121,800</u> sq.mi. <u>315,462.0</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	9500	269.0	1030	313.9	650	198.1	380	115.8	306.85	
50	33500	948.6							1082.05	
mean	73102	2,070.0							2361.20	16,528,400

Remarks:
Total storage 69,500,000 acre-feet

Charley River B-5

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149 ✓
14-BB

WATERPOWER OF THE UNITED STATES

State Alaska

Stream Yukon River

Site Woodchopper Creek

County _____	Owner _____
Mer. <u>T. 6 N.</u> , R. <u>21 E.</u> Sec. <u>11-14</u>	Constructed _____
Lat. <u>65° 21' 20"</u> Long. <u>143° 21' "</u>	Storage <u>21,500,000</u> of <u>26,520,035,000</u> ✓ m ³
Miles above mouth <u>315462.0</u>	Installed capacity _____ mw
Drainage Area <u>121,800</u> sq. mi. <u>359310.0</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	9500	269.0	1030	313.9	650	198.1	380	115.8	306,850 ✓	
50	33500	948.6							1082,050 ✓	
mean	73102	2,070.0							2361,195	16,528,400 ✓

Remarks:

Total storage 69,500,000 acft 20

Prepared by _____ Date _____

Charley River B-5