

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030004 154
Basin Index 14 CA

WATERPOWER OF THE UNITED STATES

State Alaska Stream Chisana River Site Chisana River 2592

County _____	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>62</u> ° <u>18</u> ' <u>30</u> " Long. <u>141</u> ° <u>45</u> ' "	Storage <u>280,000</u> of <u>345,377,200</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>770</u> sq.mi. <u>1994.3</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	160	4.5	3190	972.3	2970	905.3	220	67.1	2.99	
50	250	7.1							4.68	
mean	600	17.0							11.22	78,540

Remarks: **Sedimentation and bed load deposition may be a major problem**
Total storage 830,000 acre-feet.

Nabesna Recon. quad.

Prepared by _____ GCG _____ Date _____

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U. S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index _____

154V-229

Panana
Chisana
WATERPOWER OF THE UNITED STATES

14-CA

State Alaska Stream Chisna River Site Chisna River

County _____ Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 62° 18' 30" Long. 141° 45' Storage 280,000 of 345,377,200 m³ ✓
 Miles above mouth _____ 1994.3 Installed capacity _____ mw
 Drainage Area 770 sq. mi. 2271.5 sq. km Installable capacity _____ mw

18.7

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	160	<u>4.5</u>	<u>3190</u>	<u>972.3</u>	<u>2970</u>	<u>905.3</u>	<u>220</u>	<u>67.1</u>	<u>2992</u> ✓	
50	250	<u>7.1</u>							<u>4675</u> <i>4:68</i>	
mean	600	<u>17.0</u>							<u>11220</u> ✓	<u>78,540</u> ✓

Remarks: *Sedimentation and bed load deposition maybe a major problem*
Total storage 830,000 cu-ft.

Prepared by _____ Date _____

Nabela Reconm. good