

WATERPOWER OF THE UNITED STATES

State Alaska Stream Chakachamna Lake Site Chakachamna Lake 2592

County _____ Mer. <u>UTM 2-5</u> T. _____ R. _____ Sec. _____ Lat. <u>61</u> ° <u>07</u> ' " Long. <u>152</u> ° <u>15</u> ' " Miles above mouth _____ Drainage Area <u>1,120</u> sq.mi. <u>2900.8</u> sq. km	Owner _____ Constructed _____ Storage <u>1,500,000</u> of <u>1,850,235,000</u> m ³ Installed capacity _____ mw Installable capacity _____ mw
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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	240	6.8	1170	356.6	330	100.6	840	256.0	17.14	
50	992	28.1							70.83	
mean	3626	102.7							258.90	1,812,300

Remarks: **Tyonek A-6 & A-7**
 SEE "Chakachamna Project STATUS Report." Bur of Rec 1962
 Diversion to M & A RIVER
 AP Admin list of 252 sites, 1977?

Lake Superior

11412 July 1957

206 187
14-JH

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State Alaska Stream Chakachamna Lake Site Chakachamna Lake 1592

County _____				Owner _____			
Mer. _____ T. _____ R. _____ Sec. _____		Constructed _____		Storage <u>1,500,000</u> of <u>1,850,235,000</u> m ³			
Lat. <u>61° 07'</u> " Long. <u>152° 15'</u> "		Installed capacity _____ mw		Installable capacity _____ mw			
Miles above mouth _____ <u>2900.8</u>							
Drainage Area <u>1120</u> sq.mi. <u>3304.0</u> sq. km							

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	240	<u>6.8</u> ✓	<u>1170</u>	<u>356.6</u>	<u>330</u>	<u>100.6</u>	<u>840</u>	<u>256.0</u>	<u>17,136</u> ✓	
50	992	<u>28.1</u> ✓							<u>70,829</u> ^{70.83}	
mean	3626	<u>102.7</u> ✓							<u>259,610</u>	<u>1,812,300</u> ✓

Remarks:

258,896 ^{or 258.90} _{DWR}

Tyonek A-6 + A-7