

WATERPOWER OF THE UNITED STATES

State Alaska Stream Kontrashibuna Lake Site Tanalian River

County _____ Owner _____

Mer. SM T. 1 N R. 29 W. Sec. 2 Constructed _____

Lat. 60 ° 13 ' " Long. 154 ° 17 ' " Storage 470,000 of 579,740,300 m³

Miles above mouth _____ Installed capacity _____ mw

Drainage Area 205 sq.mi. 530.9 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	50	1.4	511	115.8	243	74.1	268	81.7	1.14	
50	200	5.7							4.56	
mean	637	18.0							14.51	101,570

Remarks: **Lake Clark A-4**

Qm
3.11/sqmile

1051
508
543
615
9057639
3.14

14-GA

WATERPOWER OF THE UNITED STATES

State Alaska Stream Lake Kontrashibuna Site Tanalian River 1592

County _____ Owner _____
 Mer. SM T. 1N R. 29W Sec. 2 Constructed _____
 Lat. 60° 13' " Long. 154° 17' " Storage 470,000 of 579,740,300 m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 205 sq. mi. 530.9 sq. km Installable capacity _____ mw

22.78

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	50	1.4	511	115.8	243	74.1	268	81.7	1,139	
50	200	5.7							4,556.5%	
mean	637	18.0							14,511	101,570 ✓

Remarks:

John Clark A-4