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Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index 14-LE

WATERPOWER OF THE UNITED STATES

State Alaska Stream Tiekel River Site Tiekel River

County

Mer. T. R. Sec.

Lat. 61 ° 13 ' " Long. 144 ° 53 ' "

Miles above mouth

Drainage Area 350 sq. mi. 906.50 sq. km

Owner

Constructed

Storage 50,000 af 61,674,500 m³

Installed capacity mw

Installable capacity mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER	ESTIMATED AVERAGE ANNUAL GENERATION
Percent duration	cfs	m³/sec	Forebay		Tailrace		Gross		mw-100% Eff.	mwh
			ft.	m	ft.	m	ft.	m		
95	38	1.1	1100	335.3	400	121.9	700	213.4	2.26	
50	440	12.5							26.18	
mean	1100	31.2							65.45	458,150

Remarks:

Val dez A-3 quadrangle

Prepared by G.C.G. Date

Site No 19050003-70 TK 1/1232

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U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index 14 LE

WATERPOWER OF THE UNITED STATES

State Alaska Stream Tiekel River Site Tiekel 2592

County

Mer. UTM Z-4 T. 7 S R. 1 E Sec. 15 & 22 3/

Lat. 61 ° 13 ' " Long. 144 ° 53 ' "

Miles above mouth 10.5 3/

Drainage Area 350 sq.mi. 906.50 sq. km

Owner

Constructed

Storage 50,000 af 61,674,500 m^3

Installed capacity mw

Installable capacity mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER	ESTIMATED AVERAGE ANNUAL GENERATION
Percent duration	cfs	m^3/sec	Forebay		Tailrace		Gross		mw–100 % Eff.	mwh
			ft.	m	ft.	m	ft.	m		
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50	440	12.5							26.18	
mean	1100	31.2							65.45	458,150

Remarks: Valdez ~~A-3~~ (B-4), Alaska

A Water Power Reconnaissance in So Central Alaska" USGS WSP No 372 pg 64, 1915

3/ See "Drainage Report No 2, Copper River and Gulf Coast" USCE, 1950, pg 111-112. Tunnel 6.5 miles in length.

"Mineral & Water Resources of Alaska" USGS & State Alaska, 1964, pg 172

Water Resources Development by the Corps of Engineers in Alaska" USACE, 1965 pg 34-35

Prepared by GCG Date