

WATERPOWER OF THE UNITED STATES

State	Alaska	Stream	Kiwalik River	Site	Candle
County				Owner	
Mer.	T.	R.	Sec.	Constructed	
Lat. 65 ° 53 ' 50 "	Long. 161 ° 53 ' 40 "			Storage 330,000	af 40,705,170,000 m ³
Miles above mouth				Installed capacity	mw
Drainage Area 761	sq.mi. 1971		sq. km	Installable capacity	mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m³/sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	10	0.3	225	68.6	15	4.6	210	64.0	0.18	
50	106	3.0							1.89	
mean	457	12.9							8.16	57,120

Remarks: **Total reservoir capacity 6,400,000 acre-feet. Partial use schedule would require 116 years to reach ultimate capacity**

Candle D-6

See "Interim Report No 6 - Northwestern Alaska" Harbors and Ruins in Alaska - Survey Report "USACE, June 1, 1957 pgs 101 d102

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

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WATERPOWER OF THE UNITED STATES

State Alaska

Stream Kiwalik River

Site Candle

2592

County _____ Owner _____
Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
Lat. 65 ° 53 ' 50 " Long. 161 ° 53 ' 40 " Storage 330,000 af 40,705,170,000 m³
Miles above mouth _____ Installed capacity _____ mw
Drainage Area 761 sq.mi. 1971 ✓ 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	10	.3 ✓	225	72.2	15	4.6 ✓	210	64.0 ✓	178 .18	✓
50	106	3.0 ✓		68.6					1892	✓
mean	457	12.9 ✓							8157 8.16 ✓	57,120

Remarks:

Total reservoir capacity 6,400,000 ac-ft
Partial use schedule would require 116 years to reach
ultimate capacity.

Prepared by _____ Date _____

Condle D-6