

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19020001

244 ✓

Basin Index 15 B

WATERPOWER OF THE UNITED STATES

State Alaska Stream Kukpuk River Site Kukpuk River

County _____	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>68</u> ° <u>25</u> ' " Long. <u>165</u> ° <u>59</u> ' "	Storage <u>1,100,000</u> of <u>135,683,900,000</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>2160</u> sq.mi. <u>5594</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	5	0.1	140	42.7	40	12.2	100	30.5	0.04	
50	320	9.1							2.72	
mean	1590	45.0							13.52	94,640

Remarks: **Need better map coverage to evaluate the site.
Development improbable because of possible tailwater freezing.**

Point Hope Recon.

Prepared by GCG Date _____

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15-B

WATERPOWER OF THE UNITED STATES

State Alaska Stream Kukpuk River Site Kukpuk R.

County _____ Owner _____
 Mer. T. R. _____ Sec. _____ Constructed _____
 Lat. 68° 25' " Long. 165° 59' " Storage 1,100,000 of 135,683,900,000 m³ ✓
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 2160 sq. mi. 5594 ✓ sq. km Installable capacity _____ mw

(8.5)

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	5	.1 ✓	140		40		100	30.5	.04 ✓ .042	
50	320	9.1 ✓							2.72 ✓ 2720	
mean	1590	45.0							13.52 13515	94640

Remarks:
*need better map coverage to evaluate the site
 development impractical because of tailwater freezing
 ↓ possible*

Prepared by _____ Date _____

Point Hope Records