

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030003

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Basin Index 14 DA

WATERPOWER OF THE UNITED STATES

State Alaska

Stream Melozitna River

Site Melozitna

County _____
 Mer. KATEL R. T. 7 S R. 16 E Sec. NW 35
 Lat. 64 ° 51 ' " Long. 155 ° 35 ' "
 Miles above mouth _____
 Drainage Area 2,670 sq. mi. 6915.3 sq. km

Owner _____
 Constructed _____
 Storage 500,000 af 616,745,000 m³
 Installed capacity _____ mw
 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	67	1.9	525	160.0	230	70.1	295	89.9	1.68	
50	910	25.8							22.80	
mean	2527	71.6							63.36	443,520

Remarks: Ruby D-6

Total storage 1,300,000 acre feet

Possible leakage through narrow ridge immediately above damsite

1968 Alaska Power Administration No. 10

Prepared by GCG Date _____

WATERPOWER OF THE UNITED STATES

State Alaska Stream Melozitna River Site Melozitna 2592

County _____ Owner _____

Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____

Lat. 64° 51' " Long. 155° 35' " Storage 500,000 af 616,745,000 m³

Miles above mouth _____ Installed capacity _____ mw

Drainage Area 2,670 sq.mi. 6915 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	67	1.9	525	160.0	230	70.1	295	89.9	4.93	1.68
50	910	25.8							22.80	
mean	2527	71.6							63.25	63.36

Remarks: Total storage 1,300,000 cu ft 443,520
Possible leakage thru narrow ridge immediately above dam site

Ruby D-6