

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Annette Island
Basin Index 13 CD

WATERPOWER OF THE UNITED STATES

State Alaska Stream Purple Lake Site Purple Lake 1592

County First Judicial Owner Metlakatla Indian Community

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

Lat. 55 ° 06 ' " Long. 131 ° 32 ' " Storage 25,000 af 30,837,250 m³

Miles above mouth _____ Installed capacity 2.00 mw

Drainage Area 6.52 sq. mi. 16.89 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	21	0.59	340	103.6	0		340	103.6	0.61	
50	80	2.27							2.31	
mean	89	2.52							2.57	17,990

Remarks: Ketchikan A-5

Prepared by _____ Date _____