

# WATERPOWER OF THE UNITED STATES

State Alaska Stream Eagle River Site Eagle River #1 2592

County _____	Owner _____
Mer. <u>Seward</u> T. <u>14</u> N R. <u>2 W.</u> Sec. <u>13</u>	Constructed _____
Lat. <u>61</u> ° <u>18</u> ' <u>20</u> " Long. <u>149</u> ° <u>39</u> ' <u>30</u> "	Storage <u>150,000</u> of <u>185,023,500</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>200</u> sq. mi. <u>590.0</u> sq. km	Installable capacity _____ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	38	<u>1.1</u>	<u>450</u>	<u>137.2</u>	<u>260</u>	<u>79.2</u>	<u>190</u>	<u>57.9</u>	0.61	
50	290	<u>8.2</u>							4.68	
mean	455	<u>12.9</u>							7.35	51,450

Remarks: **Under FPC permit - questionable geologic feasibility** PPP 2296 # 2405

**Anchorage B-7** See USGS map: "Eagle Riv, Misc Dam sites" 1950

*85'* US alt = 275, Normal pool alt = 360', area reservoir = 3750 acres, Capacity = 105,000 acre-ft. pg 188 of Metropolitan Anchorage Urban Study Part V - Water Supply" USCE - Anchorage, 7/78. Not suited for high dam because of permeability of left abutment.

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

Basin Index 202

14-JG

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			ft.	m	ft.	m	ft.	m		
95	38	1.1	<del>200</del>	137.2	10	79.2	190	57.9	.614	
50	290	8.2	450		260				4688	
mean	455	12.9							7348	51,450

Remarks:

*under F.P.C. permit  
questionable geologic feasibility*

Prepared by \_\_\_\_\_ Date \_\_\_\_\_

Anchorage B-7