

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

1903 0001

Basin Index 14-BA 147

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site North Fork 2592

County _____	Owner _____
Mer. <u>Fastlonka T. 7 S<sub>2</sub></u> R. <u>29 E.</u> Sec. <u>3-4</u>	Constructed _____
Lat. <u>64</u> ° <u>20</u> ' " Long. <u>141</u> ° <u>58</u> ' "	Storage <u>440,000</u> af <u>542,735,600</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>19<sup>04</sup></u> sq.mi. <u>4931</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	44	1.2	1780	542.5	1500	457.2	280	85.3	1.05	
50	594	16.8							14.137	
mean	1298	36.8							30.892	216,230

Remarks: Eagle B-2

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

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GEOLOGICAL SURVEY

Basin Index <sup>147✓</sup> 14 BA

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site North Fork 2592

County _____	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>64</u> ° <u>20</u> ' " Long. <u>141</u> ° <u>58</u> ' "	Storage <u>440,000</u> af <u>542,735,600</u> m <sup>3</sup>
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>1904</u> sq.mi. <u>4931</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	<u>44</u>	<u>1.2</u>	<u>1780</u>	<u>542.5</u>	<u>1500</u>	<u>457.2</u>	<u>280</u>	<u>85.3</u>	<u>1.05</u>	
50	<u>594</u>	<u>16.8</u>							<u>14.14</u>	
mean	<u>1298</u>	<u>36.8</u>							<u>30.89</u>	<u>216,230</u>

Remarks: **Eagle B-2**

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

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U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

Basin Index 147 216  
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14-B4

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site North Fork 2592

County \_\_\_\_\_ Owner \_\_\_\_\_  
 Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed \_\_\_\_\_  
 Lat. 64° 20' " Long. 141° 58' " Storage 440,000 of 542,735,600 m<sup>3</sup> ✓  
 Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw  
 Drainage Area 1904 sq. mi. 4931 ✓ 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	<u>44</u>	<u>1.2</u>	<u>1780</u>	<u>542.5</u>	<u>1500</u>	<u>457.2</u>	<u>280</u>	<u>85.3</u>	<u>1.050</u> ✓	
50	<u>594</u>	<u>16.8</u>							<u>14.137</u> ✓	
mean	<u>1298</u>	<u>36.8</u>							<u>30.900</u>	<u>216,230</u> ✓
									<u>30.892</u> ✓	

Remarks:

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

Eagle B-2