

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19030001

Basin Index 146
14-BA

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site Middle Fork of North Fork

County _____	Owner _____
Mer. <u>Fairbanks T. 55</u> R. <u>26 E</u> Sec. <u>30</u>	Constructed _____
Lat. <u>64</u> ° <u>27</u> ' " Long. <u>142</u> ° <u>40</u> ' "	Storage <u>620,000</u> of <u>764,763,800</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>1110</u> sq.mi. <u>2,875</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	35	1.0	2180	865	1900	579	280	85.3	.833	
50	418	11.8							9.948	
mean	915	25.9							21.777	152,460

Remarks:

Eagle B-4

Prepared by GCG Date _____

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site Mid. Fk. of No. Fk. 2592

County _____	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>64 ° 27 ' "</u> Long. <u>142 ° 40 ' "</u>	Storage <u>620,000</u> af <u>764,763,800</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>1110</u> sq.mi. <u>2,875</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	35	1.0	2180	86.5	1900	57.9	280	85.3	0.83	
50	418	11.8							9.95	
mean	915	25.9							21.78	152,460

Remarks:
Eagle B-4

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index _____

14-13A

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site Mid. Fk. of No. Fk.

County _____ Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 64° 27' " Long. 142° 40' " Storage 620,000 of 764,763,800 ✓ m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 1110 sq. mi. 2,875 ✓ sq. km Installable capacity _____ mw

10238

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	<u>35</u>	<u>1.0</u> ✓	<u>2180</u>	<u>865</u>	<u>1900</u>	<u>579</u>	<u>280</u>	<u>85.3</u>	<u>0.833</u>	
50	<u>418</u>	<u>11.8</u> ✓							<u>9.948</u>	
mean	<u>915</u>	<u>25.9</u> ✓							<u>21.777</u>	<u>152,460</u> ✓

Remarks:

21.78

Prepared by _____ Date _____

Eagle B-1