

Form 9-1503  
(Feb. 1962)

U. S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

148  
Busin Index 14-BA

WATERPOWER OF THE UNITED STATES

State Alaska Stream Fortymile River Site Steel Creek

|                                                                 |                                                            |
|-----------------------------------------------------------------|------------------------------------------------------------|
| County _____                                                    | Owner _____                                                |
| Mer. _____ T. _____ R. _____ Sec. _____                         | Constructed _____                                          |
| Lat. <u>64</u> ° <u>16</u> ' " Long. <u>141</u> ° <u>16</u> ' " | Storage <u>500,000</u> a <u>616,745,000</u> m <sup>3</sup> |
| Miles above mouth _____                                         | Installed capacity _____ mw                                |
| Drainage Area <u>5904</u> sq. mi. <u>15,291</u> sq. km          | Installable capacity _____ mw                              |

| FLOW                |      |                     | ELEVATIONS |       |          |       | HEAD  |      | THEORETICAL<br>POWER<br>mw-100 % Eff. | ESTIMATED AVERAGE<br>ANNUAL GENERATION<br>mwh |
|---------------------|------|---------------------|------------|-------|----------|-------|-------|------|---------------------------------------|-----------------------------------------------|
| Percent<br>duration | cfs  | m <sup>3</sup> /sec | Forebay    |       | Tailrace |       | Gross |      |                                       |                                               |
|                     |      |                     | ft.        | m     | ft.      | m     | ft.   | m    |                                       |                                               |
| 95                  | 130  | 3.7                 | 1500       | 457.2 | 1175     | 358.1 | 325   | 99.1 | 3.59                                  |                                               |
| 50                  | 1350 | 38.2                |            |       |          |       |       |      | 37.29                                 |                                               |
| mean                | 2950 | 83.5                |            |       |          |       |       |      | 81.49                                 | 570,430                                       |

Remarks: Eagle B-1 quadrangle

Prepared by G.C.G. Date \_\_\_\_\_