

# WATERPOWER OF THE UNITED STATES

|   |                             |   |
|---|-----------------------------|---|
| State <u>Alaska</u>   | Stream <u>Nowitna River</u> | Site <u>Nowitna</u>   |
| County _____  |                             | Owner _____   |
| Mer. _____ T. _____ R. _____ Sec. _____                         |                             | Constructed _____   |
| Lat. <u>64</u> ° <u>23</u> ' " Long. <u>153</u> ° <u>37</u> ' " |                             | Storage <u>2,200,000</u> af <u>2,713,678,000</u> m <sup>3</sup> |
| Miles above mouth _____   |                             | Installed capacity _____ mw                                     |
| Drainage Area <u>3740</u> sq.mi. <u>9686.6</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                  | 92   | 2.6                 | 370        | 112.8 | 250      | 76.2 | 126   | 36.6 | .94                                   |   |
| 50                  | 955  | 27.0                |            |       |          |      |       |      | 9.76                                  |   |
| mean                | 3080 | 87.2                |            |       |          |      |       |      | 31.42                                 | 219,940                                       |

Remarks:

Damsite located below Titna River junction  
Runoff estimated from gage on Melozitna River nearby  
Ruby B-2 quadrangle