

# WATERPOWER OF THE UNITED STATES

State Alaska Stream Goat Lake Site Big Goat Lake 2592

|  |  |                         |  |   |  |                             |  |
|--|--|-------------------------|--|---|--|-----------------------------|--|
| County <u>First Judicial Division</u>                |  |                         |  | Owner _____   |  |                             |  |
| Mer. _____ T. _____ R. _____ Sec. _____              |  | Constructed _____       |  | Storage <u>5,000</u> af <u>6,167,450</u> m <sup>3</sup> |  | Installed capacity _____ mw |  |
| Lat. <u>55 ° 32 ' " Long. 130 ° 38 ' "</u>           |  | Miles above mouth _____ |  | Installable capacity _____ mw                           |  |                             |  |
| Drainage Area <u>7.9</u> sq. mi. <u>20.46</u> sq. km |  |                         |  |   |  |                             |  |

| FLOW             |     |                     | ELEVATIONS |       |          |      | HEAD  |       | THEORETICAL POWER<br>mw-100 % Eff. | ESTIMATED AVERAGE ANNUAL GENERATION<br>mwh |
|------------------|-----|---------------------|------------|-------|----------|------|-------|-------|------------------------------------|--|
| Percent duration | cfs | m <sup>3</sup> /sec | Forebay    |       | Tailrace |      | Gross |       |                                    |  |
|                  |     |                     | ft.        | m     | ft.      | m    | ft.   | m     |                                    |  |
| 95               | 7   | .2                  | 1800       | 549.0 | 100      | 31.0 | 1700  | 518.2 | 1.01                               |  |
| 50               | 76  | 2.2                 |            |       |          |      |       |       | 10.98                              |  |
| mean             | 80  | 2.3                 |            |       |          |      |       |       | 11.56                              | 80,920                                     |

Remarks: **Ketchikan C-2 Quad**

Form 9-1503  
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

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*Big Goat Lake*

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|------------------|-----|---------------------|------------|-------|----------|------|-------|-------|-----------------------------------|--|
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|                  |     |                     | ft.        | m     | ft.      | m    | ft.   | m     |                                   |  |
| 95               | 7   | .2                  | 1800       | 549.0 | 100      | 31.0 | 1700  | 518.2 | 1011                              |  |
| 50               | 76  | 2.2                 |            |       |          |      |       |       | 10982                             |  |
| mean             | 80  | 2.3                 |            |       |          |      |       |       | 11560                             | 80,920                                     |

Remarks:

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

Keechikan C-2

OFFICE OF THE UNITED STATES

1917