

WATERPOWER OF THE UNITED STATES

| | | | |
|--|--|---|------|
| State Alaska | Stream Navy Lake ^{Creek} | Site Navy Lake | 2592 |
| County _____ | | Owner _____ | |
| Mer. <u>Copper R.T. 67S</u> R. <u>84E</u> Sec. <u>16</u> | | Constructed _____ | |
| Lat. <u>56 ° 03 ' "</u> Long. <u>132 ° 27.5' "</u> | | Storage <u>5,000</u> af <u>6,167,450</u> m ³ | |
| Miles above mouth <u>1.2</u> | | Installed capacity _____ mw | |
| Drainage Area <u>6</u> sq.mi. <u>15.54</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 | 9 | 0.3 | 250 | 76.2 | 10 | 3.1 | 240 | 73.2 | 0.18 | |
| 50 | 66 | 1.9 | 254 | | 9 | | 250 | | 1.35 | |
| mean | 85 72 | 2.0 | | | 9.77 | | | | 1.47 | 1.835 |
| | | | | | | | | | | 10,290 |

Remarks: **Etolin Island - [✓]Petersburg A-2**
See "Water Powers of Southeast Alaska" FPC & USFS, 1947, p. 92

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WATERPOWER OF THE UNITED STATES

State Alaska Stream Navy Lake Site Navy Lake 2592

| | | | | | | | |
|---|--|-------------------------|--|--|--|-----------------------------|--|
| County _____ | | | | Owner _____ | | | |
| Mer. _____ T. _____ R. _____ Sec. _____ | | Constructed _____ | | Storage <u>5,000</u> of <u>6,167.45</u> m ³ | | Installed capacity _____ mw | |
| Lat. <u>56 ° 03 ' "</u> Long. <u>132 ° 27.5 ' "</u> | | Miles above mouth _____ | | Installable capacity _____ mw | | | |
| Drainage Area <u>6</u> sq.mi. <u>15.54</u> sq. km | | | | | | | |

| 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 | 9 | .3 | 250 | 76.2 | 10 | 3.1 | 240 | 73.2 | 0.184 | |
| 50 | 66 | 1.9 | | | | | | | 1.346.35 | |
| mean | 72 | 2.0 | | | | | | | 1.469.47 | 10,290 |

Remarks:

Petersburg AR