

WATERPOWER OF THE UNITED STATES

State Alaska Stream Chakachamna Lake Site Chakachamna Lake 1592

| | | | | | | | |
|---|----------|----------|------------|---|--|--|--|
| County _____ | | | | Owner _____ | | | |
| Mer. _____ | T. _____ | R. _____ | Sec. _____ | Constructed _____ | | | |
| Lat. <u>61</u> ° <u>07</u> ' " Long. <u>152</u> ° <u>15</u> ' " | | | | Storage <u>1,500,000</u> of <u>1,850,235,000</u> m ³ | | | |
| Miles above mouth _____ | | | | Installed capacity _____ mw | | | |
| Drainage Area <u>1,120</u> sq. mi. <u>2900.8</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 | 240 | 6.8 | 1170 | 356.6 | 330 | 100.6 | 840 | 256.0 | 17.14 | |
| 50 | 992 | 28.1 | | | | | | | 70.83 | |
| mean | 3626 | 102.7 | | | | | | | 258.90 | 1,812,300 |

Remarks: Tyonek A-6 & A-7 quadrangle