

WATERPOWER OF THE UNITED STATES

| | | | |
|--|---|--------------------|------|
| State Alaska | Stream Koyukuk River | Site Kanuti | 1592 |
| County _____ | | Owner _____ | |
| Mer. _____ T. _____ R. _____ Sec. _____ | Constructed _____ | | |
| Lat. 66 ° 28 ' " Long. 153 ° 05 ' " | Storage 37,300,000 of 46,009,177,000 m ³ | | |
| Miles above mouth 442 | Installed capacity _____ mw | | |
| Drainage Area 17,860 sq.mi. 46257.4 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 | 530 | 15.0 | 615 | 187.5 | 365 | 111.3 | 250 | 76.2 | 11.26 | |
| 50 | 6,500 | 184.1 | | | | | | | 138.13 | |
| mean | 22,900 | 648.5 | | | | | | | 486.63 | 3,406,410 |

Remarks: **Hughes B-2 Recon.**
Damsite questionable.

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| | | | ft. | m | ft. | m | ft. | m | | |
| 95 | <u>530</u> | <u>15.0</u> | <u>615</u> | <u>187.5</u> | <u>365</u> | <u>111.3</u> | <u>250</u> | <u>762</u> | <u>11.26</u> | |
| 50 | <u>6,500</u> | <u>184.1</u> | | | | | | | <u>138.13</u> | |
| mean | <u>22,900</u> | <u>648.5</u> | | | | | | | <u>486.63</u> | <u>3406,410</u> |

Remarks:

Donuts questionable

Hughes B-2
reconn.