

WATERPOWER OF THE UNITED STATES

State Alaska Stream North Bradfield River Site North Bradfield River 2592

| | |
|---|---|
| County <u>First Judicial Division</u> Mer. _____ T. _____ R. _____ Sec. _____ Lat. <u>56</u> ° <u>18.2</u> ' N " Long. <u>131</u> ° <u>24</u> ' W. " Miles above mouth _____ Drainage Area <u>136.0</u> sq.mi. <u>352.24</u> sq. km | Owner _____ Constructed _____ Storage <u>30,000</u> af <u>37,004,700</u> m ³ Installed capacity _____ mw 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 | 210 | 6.0 | 400 | 121.9 | 150 | 45.7 | 250 | 76.2 | 4.47 | |
| 50 | 1310 | 37.1 | | | | | | | 27.83 | |
| mean | 1430 | 40.5 | | | | | | | 30.20 | 211,400 |

Remarks: **Bradfield Canal B-5**

#119
13-DC

WATERPOWER OF THE UNITED STATES

State Alaska Stream North Bradfield River Site North Bradfield River

County First Judicial Division

Mer. _____ T. _____ R. _____ Sec. _____

Lat. 56° 18.2' N " Long. 131° 24' W. "

Miles above mouth _____

Drainage Area 136.0 sq.mi. 352.24 sq. km

Owner _____

Constructed _____

Storage 30,000 af 37,004,700 m³

Installed capacity _____ mw

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 | 210 | 6.0 | 400 | 91.2 | 150 | 45.7 | 250 | 45.7 | 2677.68 | |
| 50 | 1310 | 37.1 | 400 | 121.9 | | | 250 | 76.2 | 16702 | |
| mean | 1430 | 40.5 | | | | | | | 18232 | 127,610 |

Remarks:

4.47
27.83
30.20
211,400

Prepared by beb Date _____

Bradford coal BS

UNITED STATES DEPARTMENT OF THE INTERIOR

LAND OFFICE