

SOUTHEAST ALASKA

15088200 SILVER BAY TRIBUTARY AT BEAR COVE NEAR SITKA

LOCATION.--Lat 57°01'09", long 135°09'45", in SW¹/₄ NW¹/₄ NE¹/₄ sec. 13, T. 56 S., R. 64 E. (Sitka A-4 quad), Hydrologic Unit 19010203, in Tongass National Forest, on Baranof Island, on right bank 350 ft upstream from mouth, and 6.5 mi southwest of Sitka.

DRAINAGE AREA.--0.38 mi².

PERIOD OF RECORD.-- October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 110 ft above sea level, from topographic map.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1 | 2.4 | 15 | 20 | 0.11 | 8.1 | 5.9 | 1.1 | 1.5 | 0.34 | 6.8 | 0.29 | 1.4 |
| 2 | 1.0 | 3.0 | 49 | 0.10 | 3.3 | 3.8 | 0.94 | 1.8 | 0.27 | 4.1 | 0.15 | 0.69 |
| 3 | 0.43 | 40 | 6.3 | 0.15 | 1.8 | 2.3 | 1.1 | 1.5 | 0.22 | 2.3 | 0.10 | 0.49 |
| 4 | 2.8 | 4.0 | 0.92 | 0.50 | 1.00 | 4.8 | 1.4 | 1.3 | 0.38 | 0.96 | 0.13 | 0.23 |
| 5 | 6.4 | 1.5 | 0.47 | 3.1 | 0.57 | 2.0 | 3.3 | 1.3 | 0.31 | 0.65 | 18 | 0.29 |
| 6 | 3.1 | 1.1 | 0.31 | 0.64 | 0.45 | 1.4 | 2.9 | 1.8 | 0.24 | 0.42 | 2.3 | 8.3 |
| 7 | 7.0 | 0.79 | 0.19 | 0.30 | 0.54 | 1.8 | 2.4 | 2.4 | 0.20 | 0.91 | 0.53 | 24 |
| 8 | 7.1 | 0.70 | e0.00 | 0.20 | 14 | 5.9 | 2.3 | 1.9 | 0.16 | 0.32 | 0.24 | 4.4 |
| 9 | 0.71 | 0.84 | 0.57 | 0.14 | 5.3 | 4.8 | 2.1 | 2.2 | 0.10 | 0.36 | 0.12 | 0.76 |
| 10 | 1.2 | 0.64 | 0.39 | e0.12 | 5.2 | 23 | 2.2 | 1.9 | 0.14 | 1.7 | 0.08 | 0.43 |
| 11 | 0.49 | 0.56 | 8.1 | e0.08 | 1.9 | 4.7 | 2.1 | 1.5 | 0.17 | 0.67 | 0.06 | 1.1 |
| 12 | 14 | 1.8 | 3.5 | e0.06 | 1.00 | 4.0 | 2.1 | 1.8 | 0.11 | 1.4 | 0.05 | 9.4 |
| 13 | 3.3 | 5.9 | 1.8 | e0.00 | 0.76 | 2.9 | 2.0 | 2.1 | 0.07 | 1.8 | 0.04 | 15 |
| 14 | 0.83 | 33 | 3.7 | e0.00 | 0.65 | 2.1 | 2.0 | 2.4 | 1.5 | 1.4 | 0.01 | 2.3 |
| 15 | 1.2 | 9.6 | 2.8 | e0.00 | 0.76 | 1.3 | 1.5 | 1.2 | 0.72 | 1.5 | 0.04 | 0.55 |
| 16 | 0.64 | 6.6 | 34 | e0.00 | 6.2 | 1.0 | 1.0 | 0.87 | 0.29 | 0.55 | 0.01 | 0.29 |
| 17 | 0.37 | 3.4 | 14 | 7.4 | 2.3 | 1.0 | 1.7 | 0.82 | 0.15 | 5.6 | 0.00 | 7.9 |
| 18 | 0.25 | 1.7 | 17 | 6.7 | 1.2 | 0.82 | 2.0 | 0.87 | 0.09 | 7.7 | 2.8 | 38 |
| 19 | 0.18 | 11 | 11 | 6.2 | 0.95 | 0.50 | 9.6 | 0.74 | 0.15 | 1.3 | 1.1 | 24 |
| 20 | 0.17 | 62 | 2.0 | 3.4 | 0.72 | 0.39 | 5.5 | 0.65 | 0.28 | 0.53 | 0.84 | 6.1 |
| 21 | 1.8 | 10 | 0.76 | 5.8 | 0.66 | 0.33 | 7.4 | 0.71 | 3.9 | 1.1 | 1.6 | 1.6 |
| 22 | 2.1 | 2.2 | 18 | 8.2 | 0.70 | 0.37 | 4.1 | 0.61 | 1.5 | 2.2 | 14 | 1.5 |
| 23 | 0.61 | 2.9 | 37 | 2.9 | 1.3 | 0.51 | 6.5 | 0.52 | 1.2 | 0.87 | 2.0 | 25 |
| 24 | 6.0 | 19 | 20 | 2.0 | 1.5 | 0.84 | 6.6 | 0.97 | 1.0 | 0.33 | 0.40 | 37 |
| 25 | 1.2 | 6.7 | 1.1 | 1.3 | 1.1 | 0.87 | 5.7 | 0.67 | 0.53 | 0.19 | 9.6 | 4.9 |
| 26 | 0.61 | 4.7 | 0.50 | 6.2 | 1.5 | 0.67 | 4.9 | 0.79 | 0.31 | 3.9 | 2.7 | 1.8 |
| 27 | 9.2 | 14 | 2.3 | 5.8 | 2.8 | 0.99 | 4.6 | 0.68 | 0.17 | 4.5 | 1.1 | 5.9 |
| 28 | 23 | 11 | 3.1 | 4.5 | 6.4 | 0.82 | 5.6 | 0.51 | 0.22 | 1.2 | 0.29 | 16 |
| 29 | 20 | 4.8 | 0.47 | 2.9 | --- | 0.89 | 2.9 | 0.39 | 0.37 | 0.41 | 2.2 | 11 |
| 30 | 3.2 | 14 | 0.20 | 8.7 | --- | 1.1 | 1.7 | 0.52 | 0.27 | 0.26 | 9.4 | 6.7 |
| 31 | 1.8 | --- | 0.13 | 6.9 | --- | 2.6 | --- | 0.38 | --- | 0.34 | 8.5 | --- |
| TOTAL | 123.09 | 292.43 | 259.61 | 84.40 | 72.66 | 84.40 | 99.24 | 37.30 | 15.36 | 56.27 | 78.68 | 257.03 |
| MEAN | 3.97 | 9.75 | 8.37 | 2.72 | 2.60 | 2.72 | 3.31 | 1.20 | 0.51 | 1.82 | 2.54 | 8.57 |
| MAX | 23 | 62 | 49 | 8.7 | 14 | 23 | 9.6 | 2.4 | 3.9 | 7.7 | 18 | 38 |
| MIN | 0.17 | 0.56 | 0.00 | 0.00 | 0.45 | 0.33 | 0.94 | 0.38 | 0.07 | 0.19 | 0.00 | 0.23 |
| MED | 1.8 | 4.8 | 2.3 | 1.3 | 1.3 | 1.3 | 2.2 | 0.97 | 0.27 | 1.1 | 0.40 | 4.6 |
| AC-FT | 244 | 580 | 515 | 167 | 144 | 167 | 197 | 74 | 30 | 112 | 156 | 510 |
| CFSM | 10.4 | 25.7 | 22.0 | 7.16 | 6.83 | 7.16 | 8.71 | 3.17 | 1.35 | 4.78 | 6.68 | 22.5 |
| IN. | 12.05 | 28.63 | 25.41 | 8.26 | 7.11 | 8.26 | 9.72 | 3.65 | 1.50 | 5.51 | 7.70 | 25.16 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|------|------|------|------|------|------|------|
| MEAN | 5.68 | 4.51 | 4.99 | 2.89 | 2.45 | 2.00 |
| MAX | 7.64 | 9.75 | 8.37 | 3.67 | 3.42 | 2.78 |
| (WY) | 2002 | 2005 | 2005 | 2004 | 2001 | 2004 |
| MIN | 3.84 | 2.85 | 2.49 | 1.68 | 1.12 | 0.82 |
| (WY) | 2004 | 2001 | 2003 | 2000 | 2000 | 2002 |

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 2000 - 2005

| | | | |
|--------------------------|---------|---------|--------|
| ANNUAL TOTAL | 1463.61 | 1506.11 | |
| ANNUAL MEAN | 4.00 | 4.13 | 3.57 |
| HIGHEST ANNUAL MEAN | | | 4.54 |
| LOWEST ANNUAL MEAN | | | 2.46 |
| HIGHEST DAILY MEAN | | | 62 |
| LOWEST DAILY MEAN | a0.00 | b0.00 | c0.00 |
| ANNUAL SEVEN-DAY MINIMUM | 0.00 | 0.03 | 0.00 |
| MAXIMUM PEAK FLOW | | 145 | 264 |
| MAXIMUM PEAK STAGE | | 19.50 | 19.68 |
| INSTANTANEOUS LOW FLOW | | | d0.00 |
| ANNUAL RUNOFF (AC-FT) | 2900 | 2990 | 2590 |
| ANNUAL RUNOFF (CFSM) | 10.5 | 10.9 | 9.40 |
| ANNUAL RUNOFF (INCHES) | 143.28 | 147.44 | 127.69 |
| 10 PERCENT EXCEEDS | 12 | 9.6 | 8.3 |
| 50 PERCENT EXCEEDS | 1.2 | 1.5 | 1.8 |
| 90 PERCENT EXCEEDS | 0.09 | 0.24 | 0.27 |

- a Aug. 13-19, 21-25
- b Dec. 8, Jan 13-16
- c Dec. 8, Jan 13-16, Jul. 17-18, and Aug. 10, 2003
- d No flow during many days
- e Estimated