

YUKON ALASKA

15518040 NENANA RIVER AT HEALY

LOCATION.--Lat 63°51'15", long 148°57'20", in SE¹/₄ sec. 20, T. 12 S., R. 7 W. (Healy D-4 quad), Denali Borough, Hydrologic Unit 19040508, on left bank upstream side of Healy Spur railroad bridge, 0.3 mi east of Parks Hwy in Healy, 0.4 mi downstream from Healy Creek, and 4 mi upstream of Lignite Creek.

DRAINAGE AREA.--2,100 mi².

PERIOD OF RECORD.--April 1990 to September 1991 (year-round), May 2003 to current year (no winter record).

GAGE.--Water-stage-recorder. Datum of gage is 1244.17 ft above NGVD of 1929. Prior to Sept. 26, 1990, non-recording gage site 60 ft downstream at same datum. A National Weather Service wire-weight is attached to the down-stream edge of the highway bridge and was established in June 1972.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 31,200 ft³/s, September 15, 1990, gage height, 14.4 ft, from flood marks; minimum discharge not determined, occurred during period of ice effect.

EXTREMES FOR CURRENT PERIOD.-- Maximum discharge 20,800 ft³/s, June 19, gage-height, 13.20 ft; minimum discharge not determined, occurred during the winter.

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 | 2200 | --- | --- | --- | --- | --- | --- | e2700 | 13500 | 11400 | 6560 | 4770 |
| 2 | 1970 | --- | --- | --- | --- | --- | --- | e2900 | 12900 | 11300 | 6040 | 4250 |
| 3 | 2250 | --- | --- | --- | --- | --- | --- | e3100 | 12100 | 10900 | 5950 | 3970 |
| 4 | 2780 | --- | --- | --- | --- | --- | --- | e3300 | 12200 | 10800 | 6050 | 4380 |
| 5 | 2720 | --- | --- | --- | --- | --- | --- | 3520 | 12900 | 11100 | 6400 | 4940 |
| 6 | 2520 | --- | --- | --- | --- | --- | --- | 3840 | 14100 | 10800 | 6620 | 6060 |
| 7 | 2380 | --- | --- | --- | --- | --- | --- | 4430 | 14000 | 10800 | 6510 | 7850 |
| 8 | 2290 | --- | --- | --- | --- | --- | --- | 5250 | 14300 | 10900 | 6350 | 8300 |
| 9 | 2220 | --- | --- | --- | --- | --- | --- | 5610 | 14300 | 10800 | 6490 | 7380 |
| 10 | 2160 | --- | --- | --- | --- | --- | --- | 6490 | 14300 | 10600 | 6910 | 8630 |
| 11 | 2110 | --- | --- | --- | --- | --- | --- | 7320 | 14600 | 10600 | 7540 | 8860 |
| 12 | 2080 | --- | --- | --- | --- | --- | --- | 7840 | 14500 | 10600 | 7860 | 8410 |
| 13 | 2060 | --- | --- | --- | --- | --- | --- | 8250 | 14800 | 9960 | 8070 | 8530 |
| 14 | 2130 | --- | --- | --- | --- | --- | --- | 9540 | 17100 | 9260 | 8020 | 7790 |
| 15 | 2170 | --- | --- | --- | --- | --- | --- | 10900 | 17800 | 9130 | 7760 | 7170 |
| 16 | 2070 | --- | --- | --- | --- | --- | --- | 10900 | 17800 | 9430 | 7450 | 6810 |
| 17 | 1910 | --- | --- | --- | --- | --- | --- | 10400 | 18900 | 9410 | 6820 | 6790 |
| 18 | e1400 | --- | --- | --- | --- | --- | --- | 9770 | 19400 | 9710 | 6680 | 7030 |
| 19 | e1300 | --- | --- | --- | --- | --- | --- | 9210 | 19900 | 9430 | 5840 | 7130 |
| 20 | e1200 | --- | --- | --- | --- | --- | --- | 9390 | 19300 | 9180 | 5220 | 6680 |
| 21 | e1100 | --- | --- | --- | --- | --- | --- | 10200 | 14700 | 8500 | 5280 | 6270 |
| 22 | e1000 | --- | --- | --- | --- | --- | --- | 11300 | 12500 | 7800 | 5790 | 6040 |
| 23 | e1000 | --- | --- | --- | --- | --- | --- | 11700 | 12200 | 7700 | 5540 | 6410 |
| 24 | e950 | --- | --- | --- | --- | --- | --- | 11900 | 11300 | 7690 | 6200 | 8070 |
| 25 | e950 | --- | --- | --- | --- | --- | --- | 11900 | 11200 | 7510 | 6470 | 8810 |
| 26 | e900 | --- | --- | --- | --- | --- | --- | 11900 | 11000 | 7800 | 5810 | 8060 |
| 27 | e900 | --- | --- | --- | --- | --- | --- | 12000 | 11200 | 7860 | 5260 | 7460 |
| 28 | e850 | --- | --- | --- | --- | --- | --- | 13000 | 11300 | 7600 | 4880 | 7020 |
| 29 | e850 | --- | --- | --- | --- | --- | --- | 13100 | 11200 | 7250 | 4800 | 6730 |
| 30 | e800 | --- | --- | --- | --- | --- | --- | 13400 | 11300 | 7750 | 4940 | 6400 |
| 31 | e800 | --- | --- | --- | --- | --- | --- | 13800 | --- | 7790 | 4880 | --- |
| TOTAL | 52020 | --- | --- | --- | --- | --- | --- | 268860 | 426600 | 291360 | 194990 | 207000 |
| MEAN | 1678 | --- | --- | --- | --- | --- | --- | 8673 | 14220 | 9399 | 6290 | 6900 |
| MAX | 2780 | --- | --- | --- | --- | --- | --- | 13800 | 19900 | 11400 | 8070 | 8860 |
| MIN | 800 | --- | --- | --- | --- | --- | --- | 2700 | 11000 | 7250 | 4800 | 3970 |
| AC-FT | 103200 | --- | --- | --- | --- | --- | --- | 533300 | 846200 | 577900 | 386800 | 410600 |
| CFSM | 0.80 | --- | --- | --- | --- | --- | --- | 4.13 | 6.77 | 4.48 | 3.00 | 3.29 |
| IN. | 0.92 | --- | --- | --- | --- | --- | --- | 4.76 | 7.56 | 5.16 | 3.45 | 3.67 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)#

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| MEAN | 3263 | 1407 | 1123 | 965 | 925 | 826 | 828 | 6446 | 11340 | 10180 | 8304 | 6802 |
| MAX | 4197 | 1407 | 1123 | 965 | 925 | 826 | 828 | 8945 | 14370 | 13410 | 11230 | 13440 |
| (WY) | 2004 | 1991 | 1991 | 1991 | 1991 | 1991 | 1991 | 1990 | 1990 | 2003 | 1990 | 1990 |
| MIN | 1678 | 1407 | 1123 | 965 | 925 | 826 | 828 | 2811 | 8150 | 7045 | 6210 | 2549 |
| (WY) | 2005 | 1991 | 1991 | 1991 | 1991 | 1991 | 1991 | 2003 | 2004 | 2004 | 2004 | 2004 |

See Period of Record; partial years were used in monthly statistics and break in record
e Estimated