

# SOUTH-CENTRAL ALASKA

## 15284000 MATANUSKA RIVER AT PALMER

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948-54, 1957-68, 1985-1987, and 2003 to current year (discontinued).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Water years 1953-54, and 1959-1966.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| Date  | Time  | Medium code   | Stream width, feet (000004)                            | Location in X-sect. looking downstrm ft from l bank (000009) | Gage height, feet (00065)                              | Starting time, 24 hour clock, hr:min (82073)          | Ending time, 24 hour clock, hr:min (82074)            | Instantaneous discharge, cfs (00061)                 | Sampler type, code (84164)                           | Sampling method, code (82398)                          | Temperature, deg C (00010)                             | Suspended sediment concentration mg/L (80154)         | Suspended sediment discharge, tons/d (80155)          |
|-------|---|---|--|--|--|---|---|--|--|--|--|---|---|
| OCT   |   |   |  |  |  |   |   |  |  |  |  |   |   |
| 24... | 1349  | 9   | 142  | --   | 9.31   | 1349.00   | 1421.00   | 1840   | 3055   | 20   | 2.0  | 75  | 372   |
| 24... | 1458  | 9   | 142  | 26.0   | 9.32   | 1458.00   | 1626.00   | 1840   | 1170   | 1000   | 2.0  | --  | --  |
| 24... | 1635  | H   | --   | --   | --   | 1635.00   | 1650.00   | --   | 8010   | --   | --   | --  | --  |
| Date  | Suspnd. sediment, sieve diametr percent <.063mm (70331) | Bedload sediment discharge, tons/d (80225)            | Bedload sediment average unit t/d/ft (04122)           | Compstd samples in x-sec bedload measmnt number (04118)      | Number of sampling points, count (00063)               | Verticals in composite sample, number (04119)         | Horizontal width of vertical, feet (04121)            | Rest time on bed for load, seconds (04120)           | Bag mesh size, sampler mm (30333)                    | Bedload sediment, sieve diametr percent <.25mm (80228) | Bedload sediment, sieve diametr percent <.5 mm (80229) | Bedload sediment, sieve diametr percent <1 mm (80230) | Bedload sediment, sieve diametr percent <2 mm (80231) |
| OCT   |   |   |  |  |  |   |   |  |  |  |  |   |   |
| 24... | 92  | --  | --   | --   | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| 24... | --  | 27  | .19  | 2  | 1  | 19  | 3.0   | 60   | .025   | .0   | 18   | 43  | 50  |
| 24... | --  | --  | --   | --   | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| Date  | Bedload sediment, sieve diametr percent <4 mm (80232)   | Bedload sediment, sieve diametr percent <8 mm (80233) | Bedload sediment, sieve diametr percent <16 mm (80234) | Bedload sediment, sieve diametr percent <32 mm (80235)       | Bedload sediment, sieve diametr percent <64 mm (80236) | Bed sediment, dry svd sve dia percent <.063mm (80164) | Bed sediment, dry svd sve dia percent <.125mm (80165) | Bed sediment, dry svd sve dia percent <.25mm (80166) | Bed sediment, dry svd sve dia percent <.5 mm (80167) | Bed sediment, dry svd sve dia percent <1 mm (80168)    | Bed sediment, dry svd sve dia percent <2 mm (80169)    | Bed sediment, dry svd sve dia percent <4 mm (80170)   | Bed sediment, dry svd sve dia percent <8 mm (80171)   |
| OCT   |   |   |  |  |  |   |   |  |  |  |  |   |   |
| 24... | --  | --  | --   | --   | --   | --  | --  | --   | --   | --   | --   | --  | --  |
| 24... | 58  | 68  | 85   | 99   | 100  | --  | --  | --   | --   | --   | --   | --  | --  |
| 24... | --  | --  | --   | --   | --   | 1   | 4   | 19   | 42   | 42   | 42   | 42  | 43  |
| Date  | Bed sediment, dry svd sve dia percent <16 mm (80172)    | Bed sediment, dry svd sve dia percent <32 mm (80173)  | Bed sediment, dry svd sve dia percent <64 mm (80174)   |  |  |   |   |  |  |  |  |   |   |
| OCT   |   |   |  |  |  |   |   |  |  |  |  |   |   |
| 24... | --  | --  | --   |  |  |   |   |  |  |  |  |   |   |