

**15518080 LIGNITE CREEK ABOVE MOUTH NEAR HEALY, AK**

Tanana River Basin  
Nenana River Subbasin

LOCATION.--Lat 63°54'17", long 148°59'01" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.6, T.11 S., R.7 W., Denali Borough, AK, Hydrologic Unit 19040508, (Healy D-4 quad), on left bank, 300 ft downstream from culverts on access road to Usibelli Coal Mine office, 1,000 ft upstream from mouth, and 3.5 mi north of Healy.

DRAINAGE AREA.--48.1 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--1985 to current year.

REMARKS.--Discharge measured previously (Water Years):1985-2011.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft<sup>3</sup>/s, estimated from rating curve extended above 280 ft<sup>3</sup>/s based on surface-float measurement at gage, August 21, 1986, gage height, 11.05 ft. at different site or datum.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Date	Discharge, in ft <sup>3</sup> /s	Gage height, in ft
Jun 21, 2012	29.0	1.93
Aug 9, 2012	14.0	1.77
Sep 19, 2012	14.1	1.75

**MAXIMUM PEAK DISCHARGE  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Date	Discharge, in ft <sup>3</sup> /s	Discharge qualification code	Gage height, in ft	Gage height qualification code	Peak gage height date	Peak gage height, in ft	Peak gage height qualification code
Jun 2, 2012	421	2	3.04	2	Apr 21, 2012	6.30	1

Discharge qualification code:

2 - Discharge is an estimate

Gage height qualification code:

2 - Gage height not the maximum for the year

Peak gage height qualification code:

1 - Peak gage height affected by backwater