

Water-Data Report 2011

15283600 PREMIER CREEK NEAR SUTTON, AK

Knik Arm Basin
Matanuska Subbasin

LOCATION.--Lat 61°42'40", long 149°05'12" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.28, T.19 N., R.2 E., Matanuska-Susitna Borough, AK, Hydrologic Unit 19020402, on left bank 10 ft downstream from culvert on Buffalo Mine Road (called Moose Creek Road on Anchorage C-6 quad), 4 mi north from the Glenn Highway, 6 mi west of Sutton, and 7 mi northeast of Palmer (Anchorage C-6 quad).

DRAINAGE AREA.--3.38 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1997 to current year.

REMARKS.--

Discharge measured previously (water years): 1996-2010.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 157 ft³/s, October 1, 2004 and August 19, 2006; maximum gage-height, 7.93 ft, August 19, 2006.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Discharge, in ft ³ /s	Gage height, in ft
Oct 6, 2010	1.81	6.28
Jun 1, 2011	2.43	6.32
Aug 23, 2011	5.40	6.56

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Aug 18, 2011	40	---	7.08	---
May 31, 2011	9	9	6.65	---

Discharge qualification code:

9 - Discharge due to snowmelt, hurricane, ice-jam or debris dam breakup