

Water-Data Report 2007

06645000 NORTH PLATTE RIVER BELOW CASPER, WY

 North Platte Basin
 Middle North Platte-Casper Subbasin

LOCATION.--Lat 42°51'32", long 106°12'41" referenced to North American Datum of 1983, in SE ¼ SE ¼ NW ¼ sec.4, T.33 N., R.78 W., Natrona County, WY, Hydrologic Unit 10180007, at New Mystery Bridge, 0.1 mi upstream from Claude Creek, 0.6 mi north of U.S. Highways 20 and 87, 5.8 mi east of city hall in Casper, and 9.5 mi downstream from Casper Creek.

DRAINAGE AREA.--12,574 mi² of which 831 mi² probably is noncontributing.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, 1957-59, 1968-89, October 1990 to current year.

REVISED RECORDS: WDR WY-76-1: Drainage area.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)	pH, water, unfiltrd water, field, std units (00400)	Specif-ic conductance, wat unf μS/cm (00095)	Temper-ature, wat unf degC (00020)	Temper-ature, air, deg C deg C (00010)	Ammonia water, filtd, mg/L as N (00608)	Nitrate + nitrite water, filtd, mg/L as N (00631)	Nitrite water, filtd, mg/L as N (00613)	Ortho-phosphate, water, filtd, mg/L as P (00671)
Nov 20...	1400	498	634	13.7	129	8.8	638	7.0	5.0	.043	.25	.028	.043
Mar 01...	1250	520	625	12.2	104	8.2	679	3.0	.5	.401	.33	.005	.038
Jun 11...	1440	515	631	10.6	139	8.9	690	24.0	19.0	.070	.13	.015	.047
Aug 28...	0945	2,590	636	7.7	98	8.1	464	22.0	18.0	E.010	.17	.003	.024

06645000 NORTH PLATTE RIVER BELOW CASPER, WY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	E coli, m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.7u MF	Alum-inum, water, fltrd, µg/L (01106)	Anti-mony, water, fltrd, µg/L (01095)	Arsenic, water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll-ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium, water, fltrd, µg/L (01025)	Chrom-ium, water, fltrd, µg/L (01030)	Cobalt, water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
Nov 20...	E10	E5	2.2	.13	1.6	48	<.06	68	<.04	.12	.11	1.8	E5
Mar 01...	E1	<1	1.8	.12	1.7	46	<.06	68	E.02	<.12	.12	.91	8
Jun 11...	34	36	3.3	.14	1.7	44	<.06	77	<.04	<.12	.15	2.4	E4
Aug 28...	55	74	6.8	.11	1.6	51	<.06	41	E.03	<.12	.11	4.5	10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Lead, water, fltrd, µg/L (01049)	Lithium, water, fltrd, µg/L (01130)	Mangan-ese, water, fltrd, µg/L (01056)	Mercury, water, fltrd, µg/L (71890)	Molyb-denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Selen-ium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Stront-ium, water, fltrd, µg/L (01080)	Vanad-ium, water, fltrd, µg/L (01085)	Zinc, water, fltrd, µg/L (01090)	Uranium, natural water, fltrd, µg/L (22703)
Nov 20...	.32	38	23.6	<.010	2.4	1.3	3.7	<.1	493	1	5.3	6.88
Mar 01...	E.10	41	35.4	<.010	2.5	1.2	3.8	<.1	560	2	5.7	7.94
Jun 11...	E.10	39	20.3	<.010	2.5	1.1	3.7	<.1	526	1	3.5	7.19
Aug 28...	.29	26	4.8	<.010	2.2	1.2	1.2	<.1	351	2	16.3	4.91