06799100 NORTH FORK ELKHORN RIVER NEAR PIERCE, NE

PLATTE RIVER BASIN

LOCATION.--Lat 42°08′54″, long 97°28′43″, in NE ¼ NW ¼ sec.18, T.25 N., R.1 W., Pierce County, Hydrologic Unit 10220002, on right bank 4 ft downstream and 25 ft from end of bridge, 4.5 mi southeast of Pierce, and at mile 20.8.

DRAINAGE AREA.--701 mi^2 of which 30 mi^2 probably is noncontributing.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR NE-94-1: Drainage area.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,542.88 ft above sea level (U.S. Weather Service levels). Aug. 19, 1960 to Oct. 7, 1997, water-stage recorder at site 2 mi upstream at datum 10.19 ft higher. Data collection platform at station.

REMARKS.--Record good except for estimated daily discharges, which are poor.

06799100 NORTH FORK ELKHORN RIVER NEAR PIERCE, NE—Continued

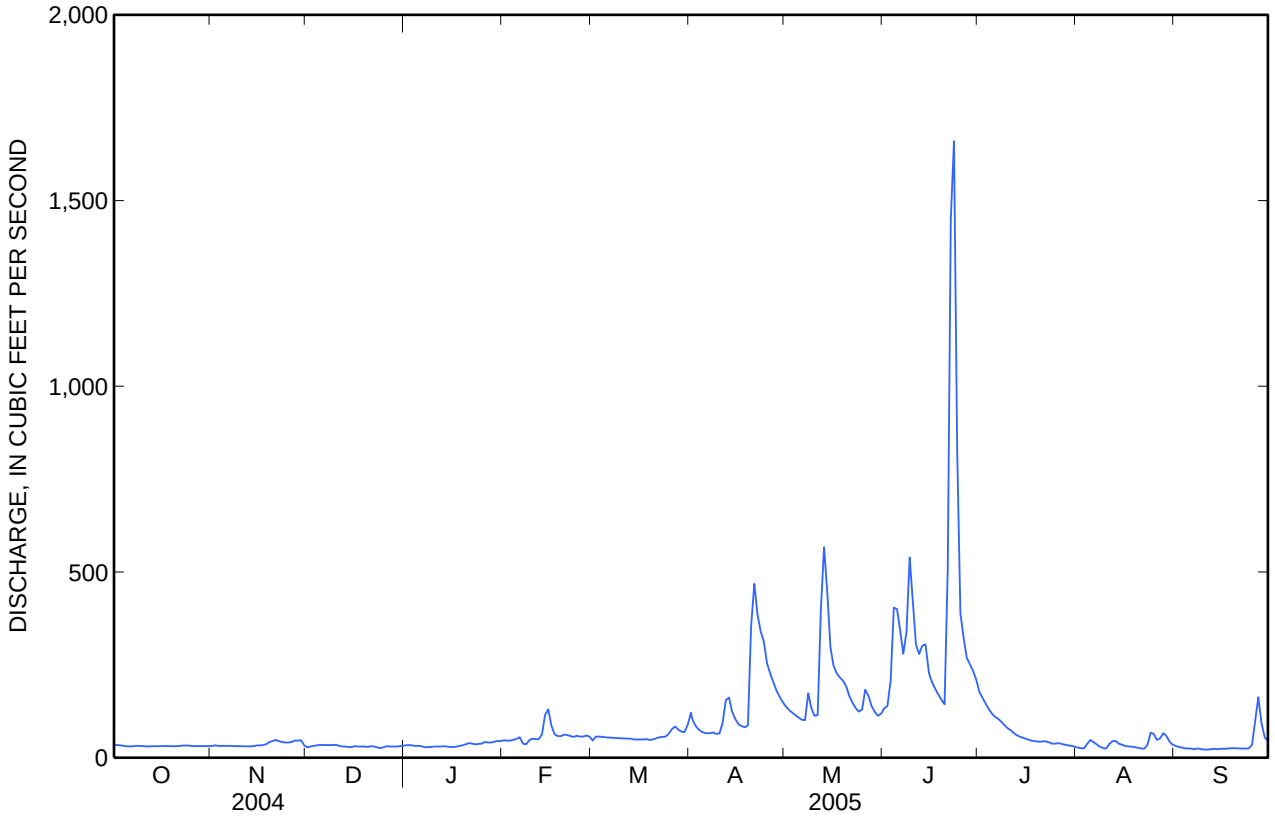
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35	32	e28	33	47	46	121	138	133	177	27	31
2	34	33	e30	34	46	57	93	128	139	160	26	29
3	33	32	e32	e33	46	56	80	121	207	145	25	27
4	32	32	e33	e32	48	57	72	114	404	131	37	25
5	31	32	e35	e32	51	55	68	108	400	118	48	25
6	30	32	e34	e31	55	54	66	102	344	110	42	24
7	31	32	e34	e28	38	54	66	101	280	104	35	23
8	32	31	e34	e29	36	53	68	173	338	96	30	25
9	32	31	e34	e29	47	53	64	133	539	87	26	23
10	31	31	e35	e30	51	52	65	113	419	79	25	22
11	31	31	e32	e30	50	52	94	115	305	73	37	22
12	30	30	e30	e30	50	51	155	400	279	65	45	23
13	31	31	e30	e31	63	51	162	567	302	60	45	24
14	31	31	e29	e30	115	49	124	445	305	56	38	23
15	31	33	e29	e29	130	49	104	296	233	53	35	24
16	31	33	e31	e29	86	49	90	248	205	50	32	24
17	32	34	e30	e30	63	49	85	227	187	47	30	24
18	31	36	e30	e31	58	50	82	216	171	45	30	26
19	31	42	e30	e34	58	48	87	207	156	44	28	26
20	31	45	e29	e36	62	49	354	191	144	43	27	25
21	31	48	e31	e39	61	52	468	166	509	44	25	25
22	32	45	e30	e38	58	55	385	148	1,450	44	24	25
23	33	42	e28	e36	56	56	340	133	1,660	41	35	25
24	33	41	e26	e37	59	57	312	124	826	38	67	25
25	32	41	e28	e38	57	64	255	130	389	38	64	35
26	31	42	e31	e42	57	77	228	183	323	39	48	98
27	31	46	e30	e41	60	84	202	167	269	37	52	163
28	31	46	e30	41	57	76	180	139	252	35	66	93
29	32	47	e30	43	---	70	164	123	234	33	58	55
30	31	33	e31	45	---	69	149	113	210	32	42	45
31	31	---	e32	45	---	89	---	119	---	30	36	---
Total	979	1,095	956	1,066	1,665	1,783	4,783	5,688	11,612	2,154	1,185	1,084
Mean	31.6	36.5	30.8	34.4	59.5	57.5	159	183	387	69.5	38.2	36.1
Max	35	48	35	45	130	89	468	567	1,660	177	67	163
Min	30	30	26	28	36	46	64	101	133	30	24	22
Ac-ft	1,940	2,170	1,900	2,110	3,300	3,540	9,490	11,280	23,030	4,270	2,350	2,150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	51.8	58.6	53.0	48.4	111	196	187	162	185	98.8	53.6	46.1
Max	241	233	156	111	834	1,120	1,004	663	799	834	226	191
(WY)	(1996)	(1999)	(2002)	(1973)	(1971)	(1962)	(1984)	(1995)	(1967)	(1993)	(1996)	(1992)
Min	13.5	14.7	14.6	15.6	24.2	30.3	28.7	27.7	21.8	11.7	7.41	9.53
(WY)	(1992)	(1992)	(1992)	(1992)	(1978)	(1990)	(1990)	(1981)	(1989)	(1989)	(1990)	(1990)

06799100 NORTH FORK ELKHORN RIVER NEAR PIERCE, NE—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1960 - 2005	
Annual total	22,021.4		34,050			
Annual mean	60.2		93.3		104	
Highest annual mean					287	1993
Lowest annual mean					21.5	1990
Highest daily mean	397	Jul 4	1,660	Jun 23	10,400	Mar 28, 1962
Lowest daily mean	8.9	Sep 4	22	Sep 10	2.7	Jul 29, 1989
Annual seven-day minimum	10	Sep 7	23	Sep 9	3.7	Aug 15, 1990
Maximum peak flow			1,720	Jun 23	15,200	Feb 19, 1971
Maximum peak stage			11.68	Jun 23	15.10	Feb 19, 1971
Annual runoff (ac-ft)	43,680		67,540		75,240	
10 percent exceeds	126		208		200	
50 percent exceeds	36		45		47	
90 percent exceeds	21		29		22