Water-Data Report 2008

14324580 PONY CREEK AT COOS BAY, OR

Southern Oregon Coastal Basin
Coos Subbasin

LOCATION.--Lat 43°22′48″, long 124°14′27″ referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.28, T.25 S., R.13 W., Coos County, OR, Hydrologic Unit 17100304, at spillway for Lower Pony Creek Reservoir, in Coos Bay and at mile 2.3.

DRAINAGE AREA.--3.88 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1975 to September 2008 (discontinued).

REVISED RECORDS.--WDR OR-93-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988 (Coos Bay-North Bend Water Board bench mark). Oct. 1, 1982 to September 30, 1987, at site 500 ft downstream at datum 2.9 ft higher. July 1975 to Sept. 30, 1982 and Oct. 1, 1987 to Sept. 30, 1992, at site 0.1 mi downstream, at datum 15.13 ft above NGVD of 1929. Oct. 1, 1992 to July 19, 2001 at same site at datum 2.9 ft higher.

COOPERATION.--Data for diversion from Joe Ney Creek into Pony Creek (14324590), diversion from Lower Pony Creek Reservoir to City of Coos Bay (14324570) and contents of Upper Pony Creek Reservoir (14324550) provided by Coos Bay-North Bend Water Board.

REMARKS.--No estimated daily discharges. Records fair. Records prior to 1993 were computed for site at the lower end of culvert under Ocean Boulevard. Flow regulated by Upper and Lower Pony Creek Reservoirs (stations 14324550 and 14324560), diversion upstream from station from Lower Pony Creek Reservoir to municipal water supply of Coos Bay-North Bend (station 14323570) and diversion into the basin from Joe Ney Creek (station 14324590). Approximately 6.7 ft^3/s was diverted to the Coos Bay-North Bend water treatment plant, maximum capacity, 10.8 ft^3/s.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--33 years (water years 1976-2008), 9.90 ft^3/s, 34.47 in/yr, 7,173 acre-ft/yr, adjusted for Joe Ney diversion into Pony Creek, Coos Bay-North Bend diversion, and change in contents in Upper and Lower Pony Creek Reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft^3/s Dec. 6, 1981, gage height, 6.19 ft, site and datum then in use; no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19 ft^3/s Feb. 2, 3, gage height, 41.61 ft; noflow many days during year.

MONTHLY DISCHARGE OF PONY CREEK, JOE NEY CREEK DIVERSION, PONY CREEK DIVERSION AND MONTHLY CHANGE IN CONTENTS OF RESERVOIRS NEAR COOS BAY, OR, WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

	14324588 Diversion from Joe Ney Creek into Pony Creek (acre-feet)	14324580 Pony Creek at Coos Bay (acre-feet)	14324570 Diversion from Lower Pony Creek Reservoir to City of Coos Bay (acre-feet)	14324560 Lower Pony Creek Reservoir Change in Contents (acre-feet)	14324550 Upper Pony Creek Reservoir Change in Contents (acre-feet)	Pony Creek adjusted for diversion and change in contents (acre-feet)	(inches)
October	0	91	345	-53	-632	-249	-1.20
November	0	50	308	-7	-209	+142	0.68
December	0	98	328	+54	+190	+670	3.22
CAL YR 2007	0	1,810	5,588	+4	-700	+6,702	32.23

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January	0	146	329	+14	+1,805	+2,294	11.03
February	0	158	291	-67	+31	+ 413	1.99
March	0	14	317	-26	+209	+513	2.47
April	0	0.	310	+33	0	+344	1.65
May	0	0.	411	-17	-246	+149	0.72
June	0.	1.0	413	+58	-494	-23	-0.11
July	0	1.5	515	-80	-605	-168	-0.81
August	0	0	519	+18	+602	+1,138	5.47
September	0	0	407	-13	-1,157	-763	-3.67
WTR YR 2008	0	560	4,493	-86	-507	+4,461	21.45

Negative adjusted runoff for October, June, July and September was the result of unmeasured losses from the reservoirs, primarily evaporation exceeding natural flow and possible inaccuracies in the capacity tables at the lower ends.

14324580 PONY CREEK AT COOS BAY, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.9	0.00	0.00	1.3	7.7	0.00	0.00	0.00	0.00	0.72	0.00	0.00
2	4.6	0.00	0.00	1.3	13	0.00	0.00	0.00	0.00	0.05	0.00	0.00
3	3.9	0.00	0.00	1.3	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4.2	0.00	0.00	5.1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3.8	0.00	0.00	6.2	6.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1.6	0.00	0.00	9.7	5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	1.1	0.00	0.00	6.5	4.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.63	0.00	0.00	3.9	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.40	0.00	0.00	1.7	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.48	0.01	0.00	0.76	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.22	0.21	0.00	0.76	3.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.08	0.47	0.00	2.3	2.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.05	0.83	0.00	2.2	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.05	0.13	0.00	1.3	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.25	0.00	0.00	0.66	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.84	0.05	0.00	0.12	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00
17	2.9	1.7	0.00	0.00	0.00	1.3	0.00	0.00	0.00	0.00	0.00	0.00
18	2.9	8.0	0.00	0.00	0.00	2.4	0.00	0.00	0.00	0.00	0.00	0.00
19	5.2	11	0.00	0.00	0.00	1.4	0.00	0.00	0.00	0.00	0.00	0.00
20	3.5	2.6	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00
21	1.6	0.41	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00
22	0.76	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	3.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	5.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	5.2	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	6.2	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	7.1	6.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	5.2	6.1	---	0.00	0.00	0.00	0.49	0.00	0.00	0.00
31	0.00	---	2.8	9.0	---	0.00	---	0.00	---	0.00	0.00	---
Total	45.96	25.41	49.31	73.80	79.68	7.09	0.00	0.00	0.49	0.77	0.00	0.00
Mean	1.48	0.85	1.59	2.38	2.75	0.23	0.00	0.00	0.02	0.02	0.00	0.00
Max	6.9	11	8.2	9.7	16	2.4	0.00	0.00	0.49	0.72	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ac-ft	91	50	98	146	158	14	0.00	0.00	1.0	1.5	0.00	0.00

	Calendar Year 2007	Water Year 2008
Total	913.18	282.51
Mean	2.50	0.77
Max	18	16
Min	0.00	0.00
Ac-ft	1,810	560