

EXPLANATION





-  14324588 **Totalizing meter**
-  14325000 **Stream-gaging station**
- RM 11.0* **River mile**
-  **Stream**—Arrow shows direction of flow
-  **Tunnel, canal or pipe**—Arrow shows direction of flow

Figure 32. Schematic diagram showing gaging stations and diversions in the Pony Creek Basin.

COOS RIVER BASIN

14324580 PONY CREEK AT COOS BAY, OR

LOCATION.--Lat 43°22'48", long 124°14'27", in NE ¼ NE ¼ sec.28, T.25 S., R.13 W., Coos County, Hydrologic Unit 17100304, at spillway for Lower Pony Creek Reservoir, in Coos Bay and at mile 2.3.

DRAINAGE AREA.--3.88 mi².

PERIOD OF RECORD.--July 1975 to current year.

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.

REMARKS.--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 6.6 ft³/s is diverted to the Coos Bay-North Bend water treatment plant, maximum capacity, 10.8 ft³/s. Negative adjusted runoff for 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.

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.

AVERAGE DISCHARGE.--30 years (water years 1976-2005), 9.98 ft³/s, 34.75 in/yr, 7,230 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 ft³/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, 6.6 ft³/s Oct. 9, gage height, 41.26 ft; minimum discharge, no flow 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 2004 TO SEPTEMBER 2005

	14324588 Diversion from Joe Ney Creek into Pony Creek	14324580 Pony Creek at Coos Bay (acre-feet)	14324570 Diversion from Lower Pony Ck 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 and change in (acre-feet)	for diversion contents (inches)
October.....	0	66.0	382.3	+28.5	-150.4	326.4	1.57
November.....	0	29.0	334.9	-74.1	+119.7	409.5	1.97
December.....	0	0	369.7	+25.1	+211.8	606.6	2.92
CAL YR 2004...	-610.9	1,470.0	4,599.4	-60.2	+1,332.4	6,730.7	32.37
January.....	0	0	362.8	+14.5	+236.4	613.7	2.95
February.....	0	0	332.7	-3.3	+9.2	338.6	1.63
March.....	-5.5	0	360.5	+6.5	-30.7	330.7	1.59
April.....	-65.1	0.5	356.6	+0.8	+208.8	501.5	2.41
May.....	0	33.0	405.3	+28.3	+227.2	693.8	3.34
June.....	0	18.0	414.9	-23.1	+141.2	551.1	2.65
July.....	0	1.4	500.3	-8.4	-393.0	100.3	0.48
August.....	0	0	531.0	+20.1	-386.8	164.3	0.79
September.....	0	7.3	468.3	-22.1	-515.8	-62.3	-0.30
WTR YR 2005...	-70.7	155.2	4,819.3	-7.2	-322.4	4,574.2	22.00

COOS RIVER BASIN

14324580 PONY CREEK AT COOS BAY, OR—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
2	0.00	1.1	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
3	0.00	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.05
4	0.00	2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.97
5	0.00	1.1	0.00	0.00	0.00	0.00	0.00	0.00	1.7	0.15	0.00	1.7
6	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	2.1	0.04	0.00	0.91
7	0.34	0.59	0.00	0.00	0.00	0.00	0.00	1.3	0.84	0.00	0.00	0.04
8	3.6	0.13	0.00	0.00	0.00	0.00	0.00	3.2	0.85	0.00	0.00	0.00
9	4.7	0.07	0.00	0.00	0.00	0.00	0.00	3.5	0.30	0.00	0.00	0.00
10	3.2	1.00	0.00	0.00	0.00	0.00	0.00	2.5	0.15	0.10	0.00	0.00
11	1.3	1.6	0.00	0.00	0.00	0.00	0.00	1.3	0.32	0.18	0.00	0.00
12	1.5	1.5	0.00	0.00	0.00	0.00	0.00	0.01	0.45	0.00	0.00	0.00
13	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.15	0.00	0.00
14	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
15	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
16	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
17	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	2.1	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
28	2.1	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
29	1.8	0.00	0.00	0.00	---	0.00	0.01	0.01	0.00	0.00	0.00	0.00
30	2.5	0.00	0.00	0.00	---	0.00	0.00	0.70	0.00	0.00	0.00	0.00
31	2.8	---	0.00	0.00	---	0.00	---	0.92	---	0.00	0.00	---
TOTAL	33.06	14.67	0.00	0.00	0.00	0.00	0.23	16.58	9.22	0.71	0.00	3.67
MEAN	1.07	0.49	0.00	0.00	0.00	0.00	0.01	0.53	0.31	0.02	0.00	0.12
MAX	4.7	3.1	0.00	0.00	0.00	0.00	0.21	3.5	2.1	0.18	0.00	1.7
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	66	29	0.00	0.00	0.00	0.00	0.5	33	18	1.4	0.00	7.3

CAL YR2004 TOTAL 742.05 MEAN 2.03 MAX 19 MIN 0.00 AC-FT 1,470
WTR YR2005 TOTAL 78.14 MEAN 0.21 MAX 4.7 MIN 0.00 AC-FT 155



2005 Water Year
 COOS RIVER BASIN

14324580 PONY CREEK AT COOS BAY, OR

Latitude: 43° 22' 48"

Longitude: 124° 14' 27"

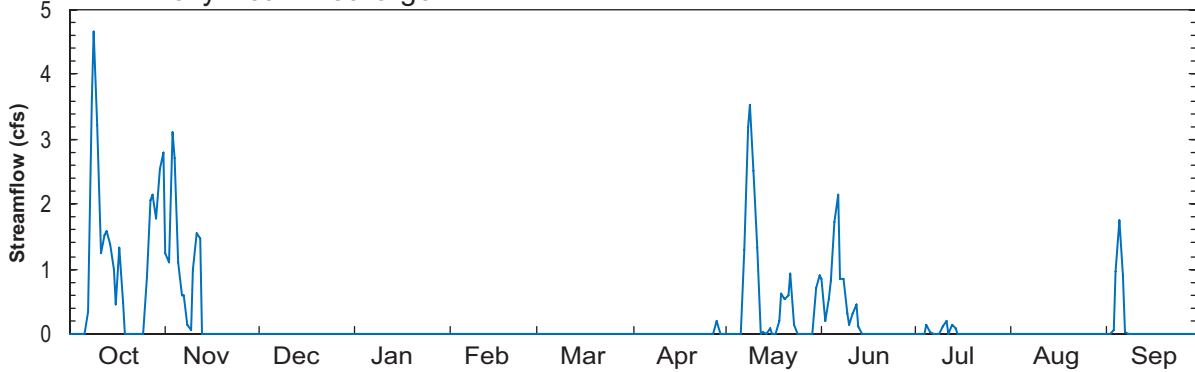
Hydrologic Unit Code: 17100304

Coos County

Datum: 0.0 feet

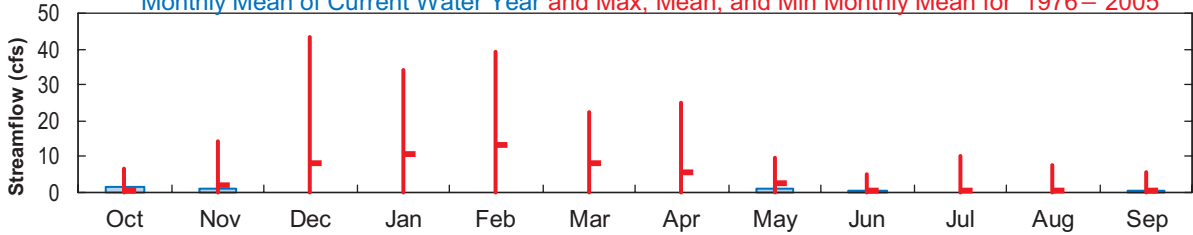
Drainage Area: 3.88 mi²

Daily Mean Discharge

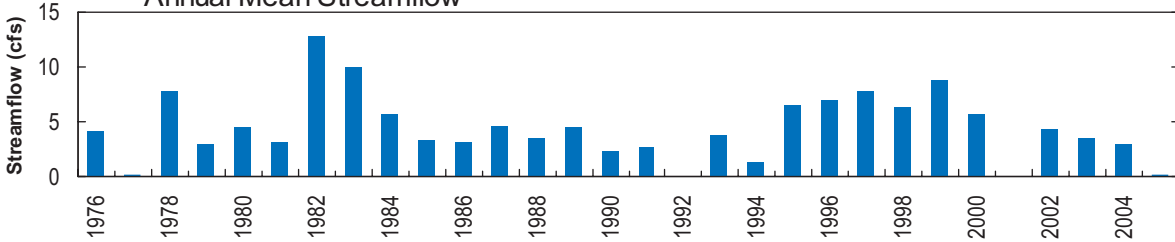


Monthly Statistics

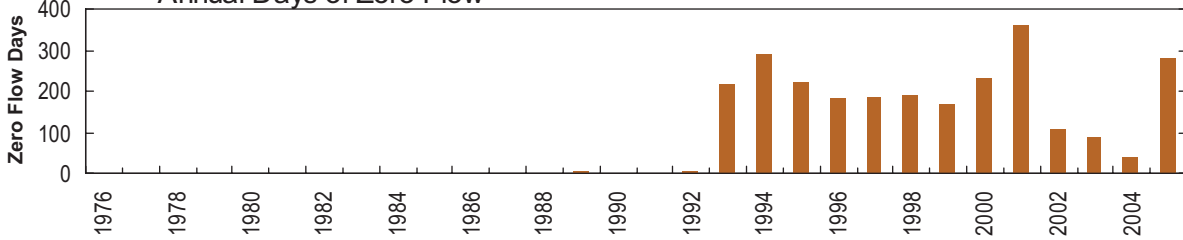
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1976–2005



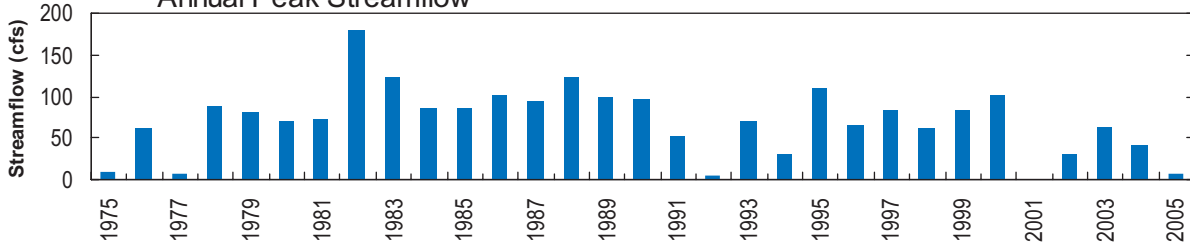
Annual Mean Streamflow



Annual Days of Zero Flow



Annual Peak Streamflow



COQUILLE RIVER BASIN

14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR

LOCATION.--Lat 42°53'30", long 124°04'10", in SE ¼ sec.12, T.31 S., R.12 W., Coos County, Hydrologic Unit 17100305, on left bank 0.6 mi downstream from highway bridge at Powers, 0.9 mi upstream from Woodward Creek and at mile 64.5.

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--September 1916 to September 1926, December 1928 to current year.

REVISED RECORDS.--WSP 1184: 1946(M). WSP 1448: 1917-18(M), 1919, 1920(M), 1925.

GAGE.--Water-stage recorder. Datum of gage is 197.42 ft above NGVD of 1929. Prior to Nov. 17, 1938, nonrecording gage at various sites within 1 mi of present site at different datums. National weather Service telephone telemeter at station.

REMARKS.--No estimated daily discharges. Records good. No regulation. Small diversions for irrigation upstream from station.

AVERAGE DISCHARGE.--86 years (water years 1917-26, 1930-2005), 777 ft³/s, 62.44 in/yr, 562,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,900 ft³/s Dec. 22, 1964, gage height, 26.51 ft, from floodmarks, from rating curve extended above 19,000 ft³/s on basis of contracted-opening measurement at gage height 18.14 ft and slope-area measurement of peak flow; minimum discharge, 6.4 ft³/s Oct. 10-12, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 9	0800	*13,500	*11.55	Mar 29	0600	10,100	9.86

Minimum discharge, 15 ft³/s, Sept. 27-30, gage height, 0.38 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	151	121	1,150	601	825	1,490	307	324	140	34	24
2	25	167	118	1,010	525	623	1,240	288	319	128	35	23
3	25	768	113	765	464	518	1,320	261	294	119	34	23
4	24	539	110	633	422	450	1,440	256	266	109	34	22
5	23	410	112	536	399	393	1,230	266	269	101	33	22
6	22	308	384	467	366	346	1,040	295	524	96	32	21
7	21	240	2,310	543	426	309	1,250	307	797	96	32	21
8	23	194	8,180	754	377	277	2,370	297	660	89	33	21
9	64	163	9,700	1,090	341	248	2,960	795	555	87	33	21
10	81	145	4,000	1,080	314	224	1,970	2,060	474	87	32	21
11	57	128	2,030	842	293	205	1,530	1,710	469	81	32	31
12	43	117	1,380	664	270	188	1,430	1,130	446	75	32	34
13	36	110	1,030	570	316	172	1,380	834	396	70	31	26
14	32	102	1,010	507	292	156	1,260	671	365	65	31	23
15	30	96	861	562	263	144	1,100	579	331	63	30	22
16	28	95	718	690	243	137	1,130	651	306	60	30	21
17	36	91	611	954	224	140	1,240	652	438	58	30	24
18	440	96	527	1,510	209	139	1,200	1,640	913	56	30	24
19	907	103	456	1,640	199	158	1,090	1,730	665	54	30	22
20	715	97	400	1,430	401	1,130	961	1,370	544	51	29	21
21	371	92	353	1,170	537	1,320	828	1,100	449	50	29	20
22	212	89	316	967	418	1,560	726	916	385	50	29	19
23	280	86	288	857	351	1,450	648	762	329	49	29	18
24	375	84	257	763	308	1,140	587	653	288	44	28	18
25	257	98	244	681	276	889	536	571	251	43	28	17
26	794	170	713	634	251	788	475	498	222	42	28	17
27	555	155	563	582	234	2,750	435	440	204	41	27	16
28	389	137	474	675	685	4,310	392	454	196	39	26	16
29	277	122	441	1,090	---	7,870	356	437	173	38	26	16
30	209	118	574	847	---	3,500	327	376	153	36	25	15
31	185	---	807	698	---	2,010	---	336	---	35	25	---
TOTAL	6,562	5,271	39,201	26,361	10,005	34,369	33,941	22,642	12,005	2,152	937	639
MEAN	212	176	1,265	850	357	1,109	1,131	730	400	69.4	30.2	21.3
MAX	907	768	9,700	1,640	685	7,870	2,960	2,060	913	140	35	34
MIN	21	84	110	467	199	137	327	256	153	35	25	15
AC-FT	13,020	10,460	77,760	52,290	19,840	68,170	67,320	44,910	23,810	4,270	1,860	1,270
CFSM	1.25	1.04	7.48	5.03	2.11	6.56	6.69	4.32	2.37	0.41	0.18	0.13
IN.	1.44	1.16	8.63	5.80	2.20	7.57	7.47	4.98	2.64	0.47	0.21	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2005, BY WATER YEAR (WY)

MEAN	195	995	1,725	1,797	1,634	1,307	920	455	174	60.8	34.6	44.2
MAX	1,945	4,232	5,361	4,244	4,151	3,818	2,451	1,568	699	186	101	384
(WY)	(1951)	(1974)	(1965)	(1970)	(1958)	(1938)	(1963)	(1953)	(1937)	(1947)	(1947)	(1978)
MIN	11.1	15.8	44.1	97.3	209	330	203	78.3	50.8	27.7	17.4	12.1
(WY)	(1988)	(1937)	(1977)	(1977)	(1977)	(1934)	(1990)	(1939)	(1924)	(1926)	(1939)	(1987)

COQUILLE RIVER BASIN

14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1917 - 2005	
ANNUAL TOTAL	229,168		194,085			
ANNUAL MEAN	626		532		777	
HIGHEST ANNUAL MEAN					1,374	1974
LOWEST ANNUAL MEAN					237	1977
HIGHEST DAILY MEAN	9,700	Dec 9	9,700	Dec 9	34,900	Dec 22, 1964
LOWEST DAILY MEAN	21	Oct 7	15	Sep 30	7.2	Oct 10, 1994
ANNUAL SEVEN-DAY MINIMUM	23	Oct 2	16	Sep 24	7.3	Oct 7, 1994
ANNUAL RUNOFF (AC-FT)	454,600		385,000		562,600	
ANNUAL RUNOFF (CFSM)	3.70		3.15		4.60	
ANNUAL RUNOFF (INCHES)	50.44		42.72		62.44	
10 PERCENT EXCEEDS	1,710		1,210		1,980	
50 PERCENT EXCEEDS	210		288		261	
90 PERCENT EXCEEDS	40		26		26	

COQUILLE RIVER BASIN

14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR—Continued



2005 Water Year
COQUILLE RIVER BASIN

14325000 SOUTH FORK COQUILLE RIVER AT POWERS, OR

Latitude: 42° 53' 30"

Longitude: 124° 04' 10"

Hydrologic Unit Code: 17100305

Coos County

Datum: 197.42 feet

Drainage Area: 169 mi²

