

TUNKHANNOCK CREEK BASIN

01534000 TUNKHANNOCK CREEK NEAR TUNKHANNOCK, PA

LOCATION.--Lat 41°33'30", long 75°53'42", Wyoming County, Hydrologic Unit 02050106, on left bank 300 ft upstream from bridge on U.S. Highway 6 at Dixon, 3.0 mi northeast of Tunkhannock, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--383 mi².

PERIOD OF RECORD.--February 1914 to current year. Prior to October 1965, published as "at Dixon".

REVISED RECORDS.--WSP 756: Drainage area. WSP 1051: 1921(M), 1932, 1934-35(M), 1936, 1938(M), 1939-40, 1942-44, 1945(M). WSP 1302: 1922, 1923(M), 1924-25, 1927-28. WSP 1432: 1919(M), 1920, 1933, 1934(P). WDR PA-85-2: 1954(P), 1955(M), 1956(P), 1957(M), 1958-64(P), 1967-71(P), 1977(M), 1978(P), 1981(M), 1982-84(P). WDR PA-96-2: 1947(M), 1986(M).

GAGE.--Water-stage recorder. Datum of gage is 610.10 ft above sea level (Pennsylvania Department of Transportation bench mark). Prior to Aug. 10, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 5,700 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	1645	*11,100	*10.20	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	64	e100	e80	722	601	770	371	115	103	18	13
2	46	63	99	e88	1430	629	813	334	109	85	22	12
3	44	60	95	e92	1750	513	741	296	106	74	20	11
4	43	58	91	e98	1370	1680	676	278	103	67	16	10
5	42	57	92	e100	1210	1320	616	281	92	58	14	9.9
6	41	56	96	e90	985	1040	524	261	85	51	14	11
7	39	56	97	e80	867	e820	479	241	84	46	13	89
8	145	57	94	e75	801	e640	425	328	106	e43	14	168
9	386	58	100	e83	686	e600	526	625	93	e43	17	118
10	339	59	108	e150	669	e540	975	432	82	51	17	100
11	284	74	101	e180	637	e480	674	339	77	71	18	91
12	168	82	96	e190	790	e430	1050	287	72	56	15	86
13	128	78	90	e190	1520	397	1060	254	64	44	13	81
14	232	71	87	e170	1010	390	830	230	63	38	33	e80
15	236	67	77	e160	800	418	703	211	75	34	47	80
16	158	64	79	e160	807	404	665	194	74	31	36	796
17	132	61	90	e170	851	538	849	179	78	28	29	3360
18	120	60	86	e250	943	830	783	167	147	27	23	1040
19	108	59	87	e1000	817	706	666	175	126	30	19	508
20	97	61	85	e900	705	570	651	291	96	40	20	336
21	89	68	86	e800	614	562	665	208	79	33	36	466
22	86	74	172	e900	464	2250	575	175	66	34	32	1260
23	80	71	263	e1900	e430	1740	619	163	59	34	29	e1100
24	76	70	e180	7870	e400	1730	1210	182	55	33	25	e800
25	73	e66	e140	4610	e350	1820	830	268	52	30	20	470
26	69	e100	e130	2640	323	1470	710	230	51	30	20	353
27	e66	e110	e120	1900	287	1310	616	195	51	33	21	335
28	63	e120	e110	1620	311	1240	538	168	47	28	20	361
29	71	e120	e100	1430	---	1170	481	149	68	23	18	295
30	74	e110	e90	1120	---	1010	414	136	131	20	16	654
31	68	---	e80	852	---	856	---	123	---	18	14	---
TOTAL	3651	2174	3321	29948	22549	28704	21134	7771	2506	1336	669	13093.9
MEAN	118	72.5	107	966	805	926	704	251	83.5	43.1	21.6	436
MAX	386	120	263	7870	1750	2250	1210	625	147	103	47	3360
MIN	39	56	77	75	287	390	414	123	47	18	13	9.9
CFSM	.31	.19	.28	2.52	2.10	2.42	1.84	.65	.22	.11	.06	1.14
IN.	.35	.21	.32	2.91	2.19	2.79	2.05	.75	.24	.13	.06	1.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1999, BY WATER YEAR (WY)

MEAN	313	538	618	565	649	1167	1112	632	340	212	170	196
MAX	1772	1934	1919	1978	1682	2910	3202	1806	1939	1007	841	1130
(WY)	1956	1973	1997	1979	1925	1936	1993	1989	1972	1947	1994	1975
MIN	21.4	25.9	51.6	59.0	76.3	288	235	122	48.4	23.9	19.0	12.4
(WY)	1965	1965	1923	1981	1980	1915	1946	1941	1962	1962	1930	1964

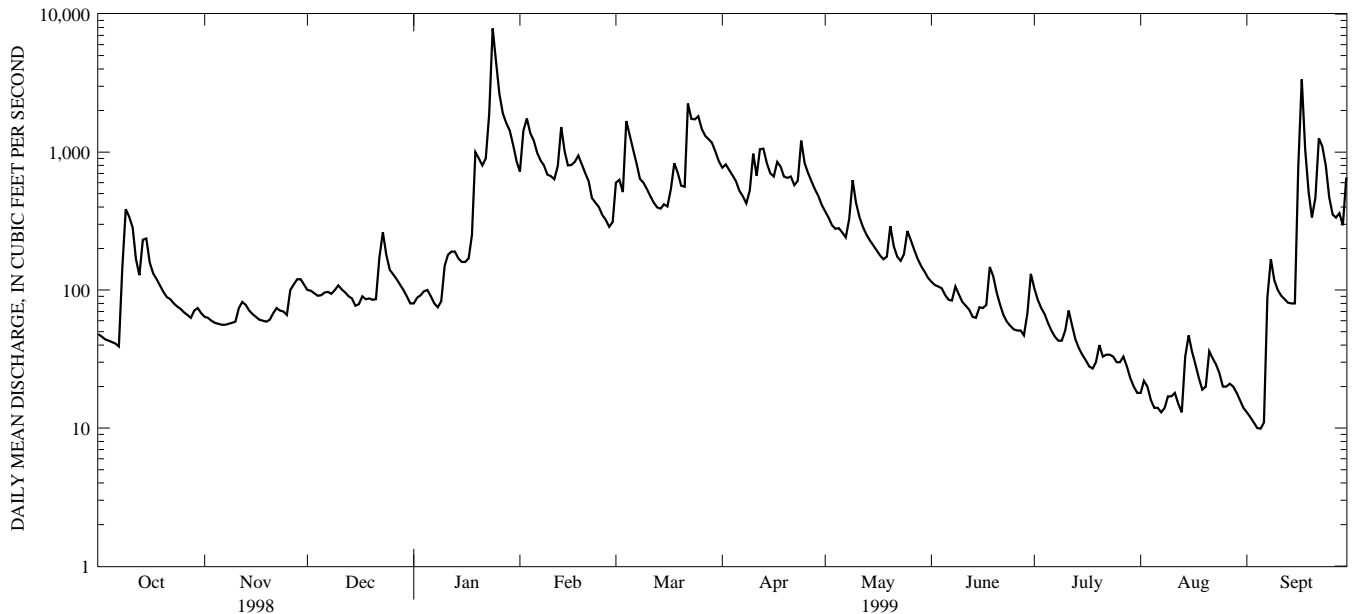
e Estimated.

TUNKHANNOCK CREEK BASIN

01534000 TUNKHANNOCK CREEK NEAR TUNKHANNOCK, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1914 - 1999	
ANNUAL TOTAL	196709		136856.9			
ANNUAL MEAN	539		375		540	
HIGHEST ANNUAL MEAN					897	1928
LOWEST ANNUAL MEAN					220	1965
HIGHEST DAILY MEAN	6100	Jan 9	7870	Jan 24	22700	Apr 16 1983
LOWEST DAILY MEAN	34	Sep 19-21	9.9	Sep 5	6.9	Sep 24 1964
ANNUAL SEVEN-DAY MINIMUM	35	Sep 15	12	Aug 31	7.9	Sep 18 1964
INSTANTANEOUS PEAK FLOW			11100	Jan 24	^a 30300	Jan 19 1996
INSTANTANEOUS PEAK STAGE			10.20	Jan 24	19.99	Jan 19 1996
INSTANTANEOUS LOW FLOW					6.2	Sep 24 1964
ANNUAL RUNOFF (CFSM)	1.41		.98		1.41	
ANNUAL RUNOFF (INCHES)	19.11		13.29		19.17	
10 PERCENT EXCEEDS	1310		956		1230	
50 PERCENT EXCEEDS	248		110		258	
90 PERCENT EXCEEDS	51		29		50	

a From computation of slope-area measurement of peak flow.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999