Water-Data Report 2013

02081942 TAR RIVER AT NORTH CAROLINA HIGHWAY 581 NEAR SPRING HOPE, NC

Pamlico Basin
Upper Tar Subbasin

LOCATION.--Lat 35°52'55.51", long 78°05'22.34" referenced to North American Datum of 1983, Nash County, NC, Hydrologic Unit 03020101, at bridge on North Carolina Highway 581, 3.9 mi south of intersection of North Carolina Highway 581 and United States Highway 64 near Spring Hope, NC.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 2012 to current year.

GAGE.--Water-stage recorder. Datum of gage is 128.62 ft above North American Vertical Datum of 1988 by differential GPS. Satellite telemetery at station.

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

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02081942, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02081942.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	102	138	99	315	355	1,120	383	853	144	1,750	157	83
2	114	122	96	319	438	708	506	527	139	2,580	206	278
3	118	107	94	353	364	551	486	407	136	4,060	198	432
4	110	100	91	369	287	453	390	333	133	4,120	229	368
5	100	92	90	356	250	386	558	288	132	2,830	221	247
6	89	88	91	287	227	450	1,220	261	136	1,300	178	163
7	83	84	91	252	212	564	1,150	919	1,220	689	166	123
8	111	80	88	221	631	642	641	3,020	3,650	644	143	100
9	232	80	90	199	2,020	519	494	3,690	4,630	2,670	132	84
10	233	79	95	182	2,100	417	422	1,890	5,020	2,320	140	79
11	193	78	99	176	820	357	369	610	5,000	1,050	441	75
12	156	77	101	188	587	362	347	461	1,700	1,790	249	70
13	133	77	106	194	515	577	466	396	839	3,060	217	66
14	111	77	119	190	520	954	647	342	526	2,880	342	62
15	100	89	120	184	474	615	485	260	395	2,550	202	55
16	152	93	115	206	431	454	366	223	317	1,230	135	52
17	136	96	130	522	480	389	319	198	254	720	117	46
18	109	96	145	1,810	538	353	289	e180	222	569	113	40
19	97	96	142	3,070	543	336	270	e600	380	474	124	35
20	92	94	135	3,170	462	339	343	e1,100	492	378	240	32
21	86	92	149	1,170	408	318	519	1,910	443	310	218	30
22	81	89	183	680	387	293	602	1,490	298	269	189	130
23	80	87	159	488	549	270	384	644	324	238	e350	305
24	78	88	144	380	881	272	297	711	251	219	e200	207
25	76	92	142	321	860	495	260	559	225	206	e160	136
26	74	86	218	303	799	1,070	243	337	198	181	e120	101
27	73	85	715	298	1,450	776	207	262	191	163	96	80
28	72	84	1,510	282	1,970	510	e180	e210	188	154	91	67
29	74	88	699	277	---	398	e580	e180	555	153	85	59
30	82	97	469	259	---	337	980	e155	680	164	81	55
31	150	---	375	304	---	317	---	e140	---	148	76	---
Mean	113	91.0	223	559	698	503	480	747	961	1,286	181	122
Max	233	138	1,510	3,170	2,100	1,120	1,220	3,690	5,020	4,120	441	432
Min	72	77	88	176	212	270	180	140	132	148	76	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	113	91.0	223	559	698	503	480	530	528	667	157	193
Max	113	91.0	223	559	698	503	480	747	961	1,286	181	264
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2012)
Min	113	91.0	223	559	698	503	480	314	96.2	47.7	133	122
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2012)	(2012)	(2012)	(2012)	(2013)

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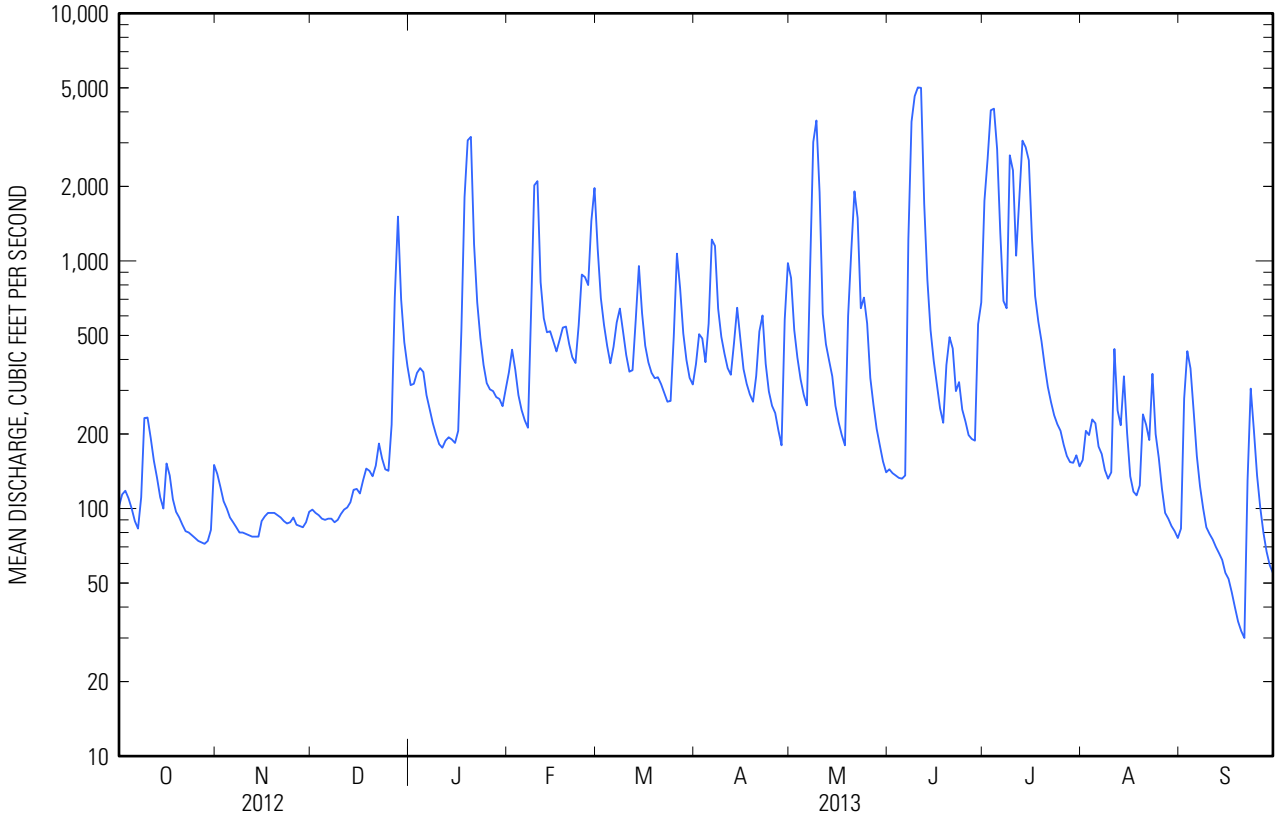
SUMMARY STATISTICS

	Water Year 2013		Water Years 2012 - 2013	
Annual mean	496		496	
Highest annual mean			496	2013
Lowest annual mean			496	2013
Highest daily mean	5,020	Jun 10	5,020	Jun 10, 2013
Lowest daily mean	30	Sep 21	12	Jul 6, 2012
Annual seven-day minimum	41	Sep 15	16	Jul 3, 2012
Maximum peak flow	5,460	Jun 11	5,460	Jun 11, 2013
Maximum peak stage	15.50	Jun 11	15.50	Jun 11, 2013
Instantaneous low flow	27	Sep 21	9.9	Jul 5, 2012
10 percent exceeds	1,110		1,110	
50 percent exceeds	250		250	
90 percent exceeds	84		84