

POTOMAC RIVER BASIN

01658705 LITTLE CREEK AT GEIGER ROAD AT QUANTICO, VA

LOCATION.--Lat 38°31'41", long 77°17'45", NAD83, Prince William County, Hydrologic Unit 02070010, on left bank 75 ft downstream from bridge on Geiger Road on Quantico Marine Base, 2.7 mi east of U.S. Highway 1, and 0.7 mi upstream from Potomac River.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1999 to July 2001 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 10 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.2	1.7	2.1	2.0	2.1	5.6	1.3	4.3	3.2	---	---
2	1.8	1.2	1.7	2.1	2.0	2.0	4.2	1.2	2.9	1.2	---	---
3	1.6	1.2	1.5	2.2	1.9	1.9	3.7	1.1	1.9	.81	---	---
4	1.5	1.3	1.7	2.0	1.9	4.4	3.2	1.1	1.7	.80	---	---
5	1.5	1.2	1.7	2.2	7.4	4.6	3.0	1.0	6.2	.94	---	---
6	1.5	1.3	1.6	2.2	2.6	2.1	3.1	1.0	1.9	.80	---	---
7	1.4	1.3	1.6	2.1	2.1	2.2	2.9	1.1	2.0	.79	---	---
8	1.3	1.4	1.7	3.7	1.9	2.0	2.8	1.0	1.6	3.0	---	---
9	1.3	2.1	1.6	2.2	2.0	1.7	2.9	1.1	1.4	1.4	---	---
10	1.2	3.6	1.5	2.0	2.4	1.5	2.9	.97	1.3	1.1	---	---
11	1.2	1.7	1.7	2.0	2.3	1.5	5.2	.92	1.2	---	---	---
12	1.2	2.4	1.6	1.9	2.3	1.9	3.0	.90	1.0	---	---	---
13	1.2	2.5	1.3	1.9	3.5	4.9	3.3	.87	1.0	---	---	---
14	1.2	3.8	1.2	2.0	3.1	1.8	2.6	.81	.97	---	---	---
15	1.1	1.7	1.7	2.1	4.4	5.8	2.7	.81	1.1	---	---	---
16	1.1	1.2	5.0	2.0	5.6	2.4	3.6	.81	4.4	---	---	---
17	1.1	1.3	25	2.0	10	2.0	2.7	.99	1.2	---	---	---
18	1.1	1.5	5.0	1.8	4.3	1.8	2.2	.87	1.0	---	---	---
19	1.1	1.6	3.4	17	3.6	1.9	2.1	15	.91	---	---	---
20	1.0	1.7	2.9	20	3.4	2.1	2.0	2.1	.88	---	---	---
21	1.1	1.5	2.4	7.8	3.4	43	1.9	3.0	.81	---	---	---
22	1.0	1.4	2.4	3.7	4.4	10	1.7	4.5	.97	---	---	---
23	1.0	1.3	2.2	2.8	6.8	5.1	1.7	2.3	3.5	---	---	---
24	1.1	1.3	2.3	2.3	5.3	3.8	2.4	1.2	1.0	---	---	---
25	1.1	6.1	2.2	2.2	6.1	2.9	1.5	26	.92	---	---	---
26	1.4	12	2.2	2.2	3.0	2.7	1.4	29	.88	---	---	---
27	1.1	1.3	2.3	2.3	2.3	2.5	1.4	9.3	.82	---	---	---
28	1.1	1.0	2.2	2.3	2.2	2.3	1.3	4.4	.82	---	---	---
29	1.1	1.3	2.2	2.1	---	18	1.3	3.1	.88	---	---	---
30	1.2	1.8	2.2	6.1	---	33	1.3	2.4	.94	---	---	---
31	1.2	---	2.1	2.5	---	7.8	---	2.1	---	---	---	---
TOTAL	38.8	64.2	100.6	111.8	102.2	181.7	79.6	122.25	50.40	---	---	---
MEAN	1.25	2.14	3.25	3.61	3.65	5.86	2.65	3.94	1.68	---	---	---
MAX	2.0	12	25	20	10	43	5.6	29	6.2	---	---	---
MIN	1.0	1.0	1.3	1.8	1.9	1.5	1.3	.81	.81	---	---	---

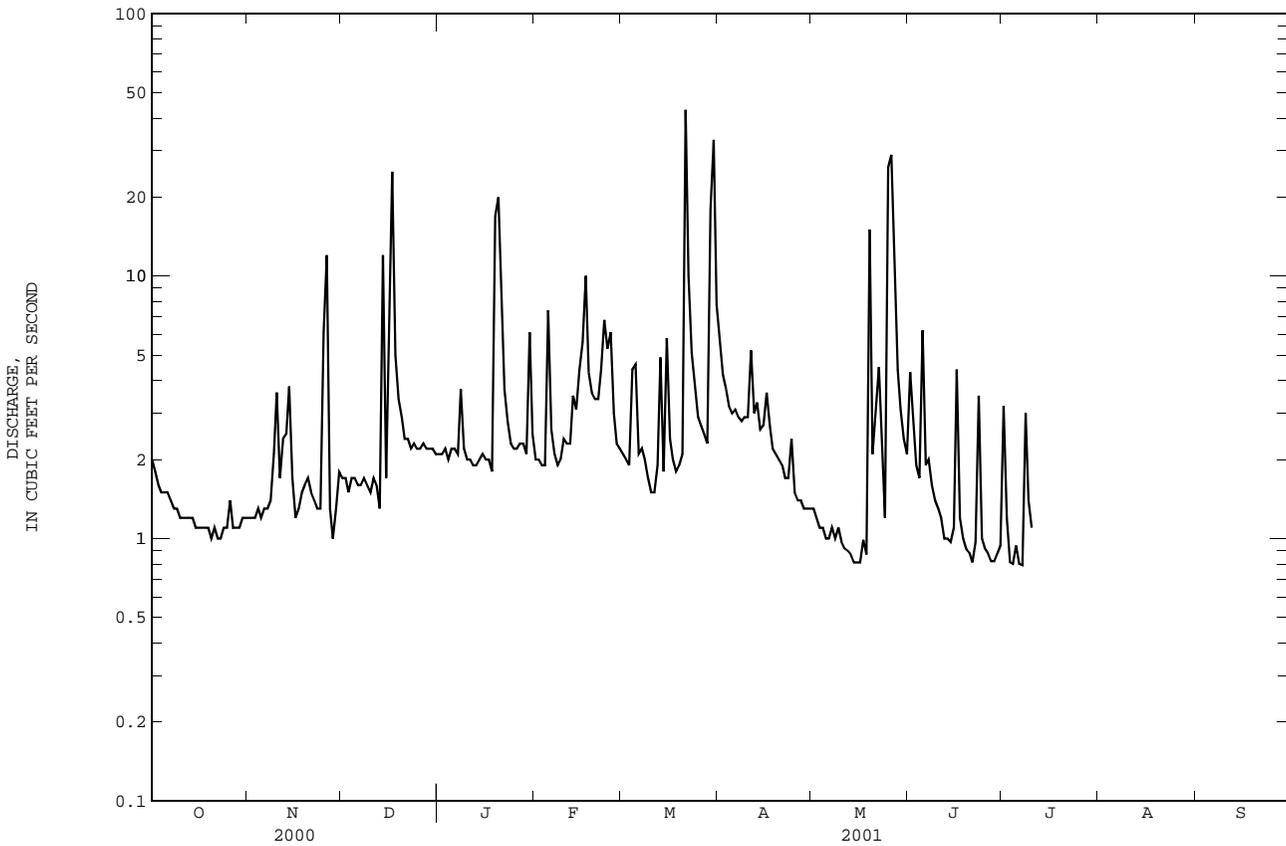
01658705 LITTLE CREEK AT GEIGER ROAD AT QUANTICO, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.27	1.88	2.62	2.89	3.18	4.30	3.86	2.28	1.68	1.94	2.92	3.51
MAX	1.29	2.14	3.25	3.61	3.65	5.86	6.46	3.94	2.62	3.26	4.91	3.62
(WY)	2000	2001	2001	2001	2001	2001	2000	2001	2000	2000	2000	1999
MIN	1.25	1.61	1.99	2.17	2.72	2.57	2.47	1.27	.74	.62	.92	3.40
(WY)	2001	2000	2000	2000	2000	2000	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1999 - 2001

ANNUAL TOTAL	1107.34		
ANNUAL MEAN	3.03		2.88
HIGHEST ANNUAL MEAN			2.88
LOWEST ANNUAL MEAN			2.88
HIGHEST DAILY MEAN	45	Aug 4	43
LOWEST DAILY MEAN	.56	Sep 16	.79
ANNUAL SEVEN-DAY MINIMUM	.65	Sep 12	.87
MAXIMUM PEAK FLOW			323
MAXIMUM PEAK STAGE			13.04
INSTANTANEOUS LOW FLOW			.24
10 PERCENT EXCEEDS	5.1		5.1
50 PERCENT EXCEEDS	1.8		2.0
90 PERCENT EXCEEDS	1.1		1.0



POTOMAC RIVER BASIN

01658705 LITTLE CREEK AT GEIGER ROAD AT QUANTICO, VA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1999 to June 2001 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLE TYPE	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT- SATUR- ATION (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT 17...	1205	ENVIRONMENTAL	16.2	16.5	763	1.1	204	9.9	100	7.0	<.041	E.004
NOV 08...	1330	ENVIRONMENTAL	11.9	18.5	760	1.3	207	9.6	89	7.0	<.041	<.006
DEC 20...	0930	ENVIRONMENTAL	1.3	0.0	759	2.6	624	13.6	97	6.8	.170	.009
JAN 24...	1015	ENVIRONMENTAL	2.2	1.5	760	2.3	254	12.1	91	6.8	.096	.008
FEB 14...	0930	ENVIRONMENTAL	6.4	3.0	760	3.0	285	10.5	86	6.8	<.041	.008
MAR 14...	1115	ENVIRONMENTAL	9.3	5.5	747	1.8	438	14.0	100	6.7	<.041	E.005
MAR 21-21	0500	COMPOSITE (TIME)	--	--	--	16	--	--	--	--	.071	.009
APR 20...	1120	ENVIRONMENTAL	12.5	12.5	763	1.9	224	12.2	100	6.9	<.041	E.003
MAY 09...	1015	ENVIRONMENTAL	16.3	16.0	762	1.2	203	13.7	100	7.1	<.041	.008
JUN 11...	1015	ENVIRONMENTAL	18.9	21.0	755	1.2	214	9.8	101	6.9	.044	.009

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS DIS- SOLVED TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 17...	E.10	.21	.427	.025	E.004	<.018
NOV 08...	.12	.16	.052	.056	.026	.020
DEC 20...	.39	.36	.890	.037	.007	<.018
JAN 24...	.26	.19	1.03	.037	.014	E.009
FEB 14...	.13	E.06	.905	.023	.007	<.018
MAR 14...	.14	.27	.727	.040	E.005	<.018
MAR 21-21	.80	3.1	.513	.835	.040	.024
APR 20...	.14	.15	.460	.038	.008	<.018
MAY 09...	.18	.35	.429	.051	.009	<.018
JUN 11...	.13	.18	.722	.049	.017	<.020

Remark codes used in this report:
 < -- Less than
 E -- Estimated value

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