

01466900 GREENWOOD BRANCH AT NEW LISBON, NJ

LOCATION.--Lat 39°57'22", long 74°37'40", Burlington County, Hydrologic Unit 02040202, on right bank, 50 ft upstream of bridge on Fourmile Road (County Route 646), 0.1 mi south of in New Lisbon, 0.7 mi upstream from mouth, and 3.1 mi east of Pemberton.

DRAINAGE AREA.--77.9 mi².

PERIOD OF RECORD.--Occasional miscellaneous discharge measurements, water years 1954, 1973. May 1998 to current year.

REVISED RECORDS.--WDR NJ-03-1: 1998 (M), 2003. WDR NJ-04-1: 2003 (M)

GAGE.--Water-stage recorder. Datum of gage is 34.18 ft above NAVD of 1988.

REMARKS.--Records good, except estimated daily discharges which are fair. Water diverted for water supply to Fort Dix Army Base just upstream from gage (see Delaware River Basin, diversions and withdrawals). Satellite rain and gage-height telemetry at station. Several measurements of water temperature were made during the year.

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	185	106	186	105	103	133	217	135	87	160	48	42
2	176	98	197	101	100	145	220	151	82	194	47	39
3	170	83	200	101	97	144	304	150	81	190	45	37
4	151	79	186	106	101	135	313	139	98	170	44	36
5	120	97	167	113	110	125	256	124	103	138	51	35
6	99	113	151	132	114	117	222	113	100	110	45	35
7	87	124	142	150	119	117	204	114	144	107	41	35
8	73	117	151	155	128	128	221	114	147	121	47	34
9	63	106	160	154	131	150	282	115	122	159	51	35
10	69	97	171	153	141	167	275	108	100	161	56	35
11	71	91	181	148	153	168	248	100	87	132	51	34
12	71	92	168	149	154	163	234	94	82	104	47	35
13	60	125	148	156	146	161	226	91	78	86	44	36
14	58	161	130	170	141	155	222	83	72	98	43	36
15	64	184	116	230	174	145	205	78	64	127	49	41
16	66	166	105	240	210	135	181	78	60	136	49	79
17	66	148	97	215	211	128	163	77	59	135	49	45
18	63	136	102	194	197	117	151	75	57	123	46	36
19	74	121	99	e170	181	111	139	71	55	126	44	35
20	103	118	93	e155	161	109	125	77	53	121	45	35
21	129	92	90	e115	151	110	115	108	53	99	44	35
22	137	86	89	e110	156	110	112	124	52	83	42	34
23	133	87	91	e120	154	113	111	126	50	69	40	33
24	117	92	112	e125	146	151	119	121	48	58	39	33
25	108	97	131	e125	145	175	128	113	47	55	37	32
26	104	100	132	e120	145	178	127	121	45	53	37	32
27	99	99	125	e120	140	168	123	130	55	52	37	33
28	94	110	123	e115	134	172	124	126	97	52	38	30
29	90	144	121	113	---	226	117	115	95	52	38	30
30	89	177	118	108	---	264	115	105	113	49	39	32
31	92	---	111	105	---	238	---	94	---	48	43	---
TOTAL	3,081	3,446	4,193	4,373	4,043	4,658	5,599	3,370	2,386	3,368	1,376	1,099
MEAN	99.4	115	135	141	144	150	187	109	79.5	109	44.4	36.6
MAX	185	184	200	240	211	264	313	151	147	194	56	79
MIN	58	79	89	101	97	109	111	71	45	48	37	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	62.9	80.3	92.6	101	112	125	131	84.2	77.4	70.5	57.6	61.0
MAX	99.4	123	164	141	144	184	204	109	162	204	118	121
(WY)	(2005)	(2004)	(2004)	(2005)	(2005)	(2003)	(2004)	(2005)	(2003)	(2004)	(2004)	(1999)
MIN	32.8	34.6	29.3	42.4	37.2	48.3	61.8	60.4	39.0	27.6	21.8	28.0
(WY)	(2002)	(1999)	(1999)	(2002)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	45,613		40,992		88.4	
ANNUAL MEAN	125		112		125	
HIGHEST ANNUAL MEAN					40.7	
LOWEST ANNUAL MEAN					925	
HIGHEST DAILY MEAN	925	Jul 14	313	Apr 4	925	Jul 14, 2004
LOWEST DAILY MEAN	36	Jul 11	30	Sep 28-29	17	Aug 4, 1999
ANNUAL SEVEN-DAY MINIMUM	39	Jul 5	32	Sep 24	18	Aug 15, 2002
MAXIMUM PEAK FLOW			329	Apr 4	1,080	Jul 13, 2004
MAXIMUM PEAK STAGE			3.81	Apr 4	8.91	Jul 13, 2004
INSTANTANEOUS LOW FLOW			29	Sep 28-29	15	Aug 16, 2002
10 PERCENT EXCEEDS	193		179		154	
50 PERCENT EXCEEDS	106		112		78	
90 PERCENT EXCEEDS	56		42		32	

e Estimated

