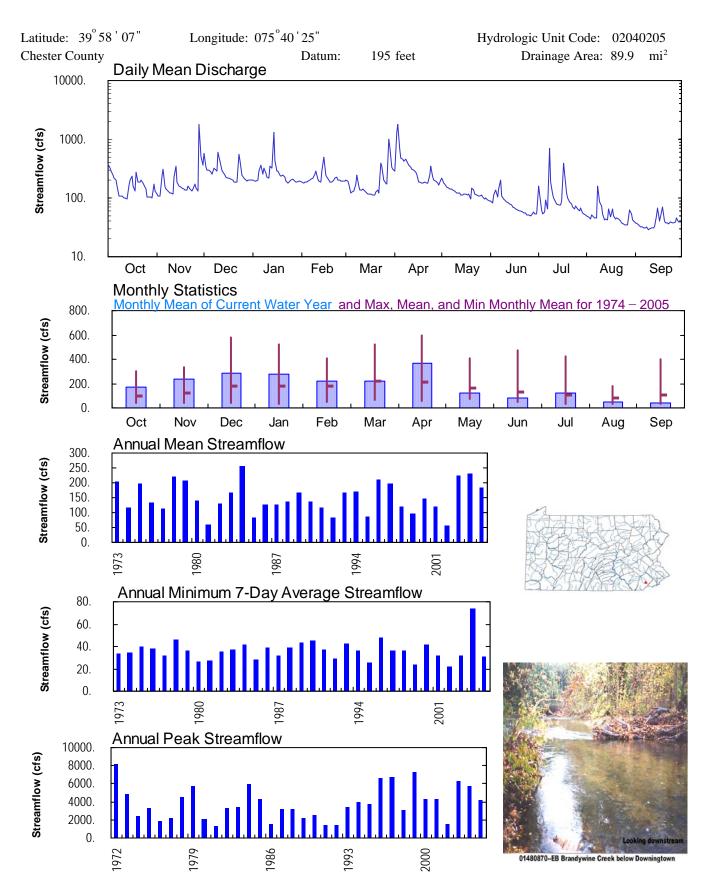


2005 Water Year CHRISTINA RIVER BASIN

370 East Branch Brandywine Creek below Downingtown, PA



01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA

LOCATION.--Lat 39°58'07", long 75°40'25", Chester County, Hydrologic Unit 02040205, on left bank at downstream side of Sugars Bridge (U.S. Highway 322), 2,000 ft upstream from Valley Creek, 1.5 mi north of Marshallton, and 3.3 mi southeast of Downingtown.

DRAINAGE AREA.--89.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1972 to current year. REVISED RECORDS.--WDR PA-75-1: 1972(P), 1973, 1974.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 195 ft above National Geodetic Vertical Datum of 1929, from topographic map. Feb. 1 to Apr. 10, and June 25 to Nov. 17, 1972, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated since November 1973 by Marsh Creek Reservoir (station 01480684) about 7.5 mi upstream. Satellite and landline telemetry at station.

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

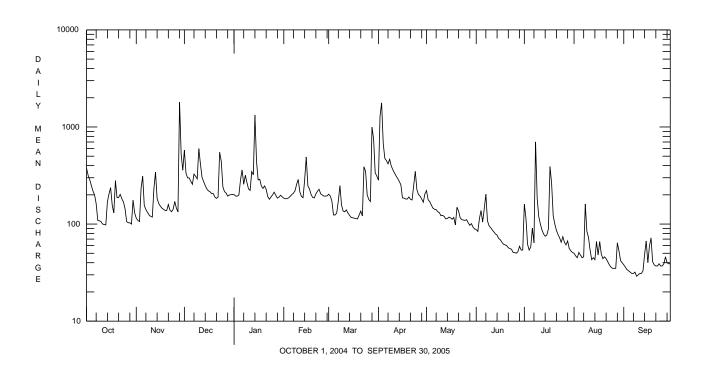
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	115	578	201	185	203	283	221	88	160	50	38
2	317	109	334	194	182	194	1290	178	84	115	47	36
3	285	106	299	194	183	172	1770	170	114	62	45	34
4	249	233	299	199	186	124	678	157	138	54	51	33
5	219	311	276	285	193	124	475	146	105	58	48	32
6	200	155	257	361	201	130	450	142	144	91	45	31
7	162	141	327	257	208	173	417	141	203	64	46	31
8	109	132	311	318	220	248	465	134	108	702	161	32
9	108	124	292	268	257	157	397	131	96	184	84	29
10	106	120	598	230	288	136	363	122	92	119	73	30
11	100	118	418	222	214	134	336	123	87	100	54	31
12	99	231	304	347	193	140	314	120	83	87	43	31
13	98	342	274	322	187	130	295	113	79	79	45	33
14	169	183	249	1330	284	123	275	114	77	75	43	49
15	205	163	230	440	491	117	254	118	71	77	66	67
16	237	153	220	285	248	116	186	116	69	89	48	40
17	157	146	215	289	230	115	185	112	65	392	66	59
18	130	142	206	247	202	114	181	117	62	264	49	72
19	280	138	206	233	188	113	181	98	61	122	44	41
20	187	138	190	247	186	124	190	149	60	100	46	38
21	188	159	184	228	204	136	180	136	57	86	44	37
22	202	139	189	192	218	121	177	116	56	78	41	37
23	182	134	548	e180	228	389	250	111	55	72	38	39
24	169	142	444	e190	205	349	349	110	51	65	36	37
25	144	171	242	e200	199	200	226	109	51	74	35	37
26 27 28 29 30 31	106 103 103 100 176 130	146 133 1800 522 359	216 209 194 199 201 202	213 198 e185 e190 198 191	194 194 195 	179 171 998 753 337 312	201 194 181 168 205	111 103 97 101 93 89	50 52 59 54 54	65 61 67 56 53 51	35 35 64 53 42 40	39 46 40 39 39
TOTAL	5396	7005	8911	8634	6163	6832	11116	3898	2425	3722	1617	1177
MEAN	174	234	287	279	220	220	371	126	80.8	120	52.2	39.2
MAX	376	1800	598	1330	491	998	1770	221	203	702	161	72
MIN	98	106	184	180	182	113	168	89	50	51	35	29
CFSM	1.94	2.60	3.20	3.10	2.45	2.45	4.12	1.40	0.90	1.34	0.58	0.44
IN.	2.23	2.90	3.69	3.57	2.55	2.83	4.60	1.61	1.00	1.54	0.67	0.49
STATISI	CICS OF MO	ONTHLY MEA	AN DATA FO	OR WATER	YEARS 1974	- 2005,	BY WATER	YEAR (WY)	1			
MEAN	99.2	121	179	183	180	219	211	165	127	108	77.7	105
MAX	304	333	577	527	409	525	594	410	477	421	177	396
(WY)	1997	2004	1997	1979	1979	1994	1983	1989	2003	1984	1996	2003
MIN	36.7	41.8	40.8	30.9	49.2	61.6	53.1	75.9	45.5	32.5	28.6	29.5
(WY)	2002	2002	1981	1981	2002	1985	1985	1999	1999	2002	1999	1980

e Estimated.

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1974 - 2005
ANNUAL TOTAL	74594	66896	
ANNUAL MEAN	204	183	148
HIGHEST ANNUAL MEAN			257 1984
LOWEST ANNUAL MEAN			57.0 2002
HIGHEST DAILY MEAN	1900 Sep 29	1800 Nov 28	3080 Sep 16 1999
LOWEST DAILY MEAN	63 Jul 11	29 Sep 9	19 Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	74 Jul 5	31 Sep 6	22 Sep 9 2002
MAXIMUM PEAK FLOW		a 4160 Nov 28	b 8160 Jun 22 1972
MAXIMUM PEAK STAGE		10.63 Nov 28	c 14.79 Sep 16 1999
ANNUAL RUNOFF (CFSM)	2.27	2.04	1.64
ANNUAL RUNOFF (INCHES)	30.87	27.68	22.34
10 PERCENT EXCEEDS	312	320	283
50 PERCENT EXCEEDS	165	144	97
90 PERCENT EXCEEDS	94	44	41

a From rating curve extended above 3,600 ft³/s on basis of runoff comparison with nearby stations.
b From rating curve extended above 3,600 ft³/s on basis of slope-area measurement of peak flow at gage height 13.40 ft.
c Discharge, 7,200 ft³/s on basis of runoff comparison with nearby stations.



01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965 to September 1966, October 1970 to current year.

PERIOD OF DAILY RECORD.--SPECIFIC CONDUCTANCE: February 1972 to current year. pH: February 1972 to current year. WATER TEMPERATURES: February 1972 to current year. DISSOLVED OXYGEN: February 1972 to current year.

INSTRUMENTATION .-- Water-quality monitor since February 1972.

REMARKS.--Specific conductance record rated good except for periods Nov. 11-24 and Mar. 17 to Apr. 1, which are fair, and Apr. 7 to May 3, which are poor. pH record rated good except for periods Nov. 9-24 and Apr. 2 to May 3, which are poor. Water temperature record rated good except for period Apr. 2 to May 3, which is poor. Dissolved oxygen record rated fair, except for periods Nov. 9-14, Mar. 1-11, 24-28, Apr. 7 to May 3, 19-23, and June 23 to July 7, which are poor. Data collection discontinued during winter months since 1981 water year. Other interruptions in the record were due to malfunctions of the equipment.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 891 microsiemens, Mar. 5, 2001; minimum, 67 microsiemens, July 1, 1984.

pH: Maximum, 9.9, May 13, June 5, 1973; minimum, 5.4, Oct. 24, 26, 1973.

WATER TEMPERATURE: Maximum, 33.0°C, July 18, 1977; minimum, 0.0°C, many days during winters. DISSOLVED OXYGEN: Maximum, 19.4 mg/L, Mar. 18, 1989; minimum, 0.8 mg/L, July 23, 1984.

WATER-OUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Fecal coli- form, M-FC 0.7µ MF col/ 100 mL (31625)
MAR 2005									
08	1300	1028	1028	235	8.7	7.3	368	6.3	7
28	1320	1028	1028	279	11.0	7.5	249	7.2	110
APR									
12	1145	1028	1028	316	10.8	7.6	227	12.5	10
26	1125	1028	1028	204	11.8	7.6	240	13.4	66
MAY									
04	1025	1028	1028	161	10.7	7.7	269	11.5	130
17	1150	1028	1028	108	11.6	8.1	289	15.7	160
24	0845	1028	1028	106	7.9	7.5	290	14.3	200
JUN									
07	1000	1028	1028	179	7.8	7.4	251	19.5	4700
20	0905	1028	1028	60	8.8	7.6	337	17.6	380
27	1315	1028	1028	52	9.4	7.8	354	22.7	1000
JUL									
07	0900	1028	1028	63	7.9	7.5	320	22.1	760
19	1130	1028	1028	123	7.5	7.6	262	24.3	930
28	1140	1028	1028	70	8.1	7.8	329	23.5	1200
AUG									
03	1140	1028	1028	44	8.6	7.9	381	24.1	510
25	1010	1028	1028	35	9.3	7.7	403	18.5	240
31	1030	1028	1028	40	8.0	7.7	392	23.0	E120
SEP		1000	1000	25	0 0		100	1	- 10
08	0930	1028	1028	35 36	9.3 8.2	7.6	437	17.3 17.6	E49
22	0900	1028	1028	30	8.2	7.6	404	Τ/.0	96

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)
OCT 2004 18	1300	1028	80020	127	11.7	7.4	8.0	258	241	12.2	24.4	8.16	3.48
Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Chlor- ide, water, fltrd, mg/L (00940)	<pre>Fluor- ide, water, fltrd, mg/L (00950)</pre>	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, μg/L (01106)	Arsenic water, fltrd, µg/L (01000)
OCT 2004 18	15.6	63	66	29.8	E.1	11.7	17.5	E.02	2.77	E.005	.09	4	<2
	oc	Date T 2004	Boron, water, fltrd, μg/L (01020)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)	Copper, water, fltrd, µg/L (01040)	<pre>Iron, water, fltrd, µg/L (01046)</pre>	Lead, water, fltrd, µg/L (01049)	Mangan- ese, water, fltrd, μg/L (01056)	Mercury water, fltrd, μg/L (71890)	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	
		18	55	<.2	<.8	2.3	54	<1	13.1	<.01	.7	<2.0	

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

BIOLOGICAL DATA BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a Hess sampler with a mesh size of 500 µm. Each sample covered a total area of 2.4 m².

Date	10/18/04
Benthic macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	60
Nematoda (NEMATODES)	39
Nemertea (PROBOSCIS WORMS)	
Enopla	
Hoplonemertea	
Tetrastemmatidae	
Prostoma	6
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Ancylidae	
Ferrissia	1
Hydrobiidae	
Amnicola	1
Bivalvia (CLAMS)	
Veneroida	
Corbiculidae	
Corbicula fluminea	33
Sphaeriidae	
Sphaerium	7
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	17
Arthropoda	
Acariformes	
Hydrachnidia (WATER MITES)	16
Crustacea	
Amphipoda (SCUDS)	
Gammaridae	
Gammarus	3
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
Acentrella	19
Baetis	2
Ephemerellidae	
Serratella	10
Heptageniidae	
Stenonema	58
Isonychiidae	
Isonychia	1

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

BIOLOGICAL DATA BENTHIC MACROINVERTEBRATES--Continued

Date	10/18/04
Benthic macroinvertebrate	Count
Plecoptera (STONEFLIES)	
Perlidae	
Acroneuria	1
Taeniopterygidae	
Taeniopteryx	25
Trichoptera (CADDISFLIES)	
Apataniidae	
Apatania	1
Brachycentridae	
Micrasema	39
Glossosomatidae	
Glossosoma	9
Hydropsychidae	
Cheumatopsyche	472
Hydropsyche	506
Hydroptilidae	
Hydroptila	1
Leucotrichia	2
Lepidostomatidae	
Lepidostoma	2
Leptoceridae	
Mystacides	1
Philopotamidae	
Chimarra	35
Uenoidae	
Neophylax	1
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
Ancyronyx	1
Dubiraphia	2
Optioservus	343
Oulimnius	42
Promoresia	6
Stenelmis	276
Psephenidae (WATER PENNIES)	
Psephenus	30
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	560
Empididae (DANCE FLIES)	
Hemerodromia	27
Simuliidae	
Simulium	254
Tipulidae (CRANE FLIES)	
Antocha	19
Tipula	1

Total organisms 2929 Total number of taxa 40

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN									
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1				308	298	302						
2				311	298	305						
3 4				313 314	297 196	305 288						
5	261	253	256									
6	267	257	262									
7	313	267	276									
8 9	324	303	317	302	282	296						
10				306	293	301						
11				309	288	301						
12				319	208	280						
13 14	326	 257	292	252 274	204 252	222 267						
15				283	273	279						
16				288	280	283						
17				290	276	286						
18 19				296 296	289 285	292 292						
20				297	285	292						
21	277	255	271	294	278	284						
22	264	255 255	259	294	278	284 290						
23	271	261	266	296	291	293						
24 25	277 314	269 274	273 284	300 296	295 265	298 279						
		22.4		0.00		0.5.5						
26 27	323 321	314 315	319 319	286 289	266 282	277 286						
28	330	316	320									
29 30	332 321	304 254	319 279	230	212	218						
31	301	271	289									
MONTH	332	253	288	319	196	284						
DAY	MAX	MIN	MEAN									
	1	FEBRUARY			MARCH			APRIL			MAY	
1				520	329	410	237	227	230	260	244	252
2				520	374	430	237	128	187	265	253	260
3 4				374 377	324 340	346 364	168 205	120 168	144 190	279	269	 273
5				345	337	341	203	198	208	280	274	278
6				340	324	333	216	210	213	285	276	280
7				325	294	320	230	215	219	286	275	282
8 9				368 364	261 328	305 347	241 222	211 215	221 218	289 292	272 278	283 285
10				334	318	328	225	221	223	291	281	286
11				324	307	316	230	224	227	291	282	287
12				342	301	326	234	230	232	291	284	288
13 14				331 322	316 311	323 317	235 239	231 233	234 236	293 294	285 284	287 290
15				319	311	316	239	235	230	294	278	286
16				319	308	315	268	243	260	291	281	288
17				319	311	316	265	260	263	291	283	288
18 19				317 319	311 304	315 312	262 262	257 252	260 259	284 311	275 280	279 298
20				323	304	313	258	250	253	312	261	288
21				316	297	306	260	253	258	286	263	273
22				307	297	300	264	258	262	290	275	285
23				307	209	276	263	225	254	293	286	290
24 25				251 261	209 251	231 258	233 245	198 229	216 239	298 293	286 286	290 289
26				266	256	260	252	245	248	302	289	296
27				265	258	262	260	250	254	308	289	300
28				264	124	219	262	254	258	301	288	296
29 30				211 222	132 211	174 218	267 267	258 248	262 258	298 302	286 290	293 296
31				230	222	226				303	296	300
MONTH				520	124	304	268	120	234	312	244	286

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		2	SEPTEMBE	R
1	306	297	303	356	174	314	363	346	356	398	383	391
2	317	303	310	301	210	263	370	350	356	413	394	404
3	317	267	303	325	299	312	381	352	371	419	388	408
4	296	267	283	338	305	327	383	331	354	417	391	403
5	309	284	296	343	312	330	358	335	349	431	401	411
6	310	186	291	320	282	304	365	347	354	431	400	416
7	287	189	248	336	311	326	368	350	359	435	414	422
8	301	287	296	334	127	218	368	146	295	438	408	429
9	309	298	303	255	195	232	332	227	305	427	405	418
10	311	301	306	285	252	268	341	259	315	447	416	426
11	317	301	309	297	280	288	375	341	354	450	422	433
12	322	307	315	307	292	300	406	375	392	430	402	419
13	326	309	319	312	298	305	400	379	389	430	414	421
14	332	318	325	321	307	312	400	364	388	425	297	405
15	335	325	329	333	293	321	372	243	317	350	228	298
16	341	330	334	321	287	304	386	349	371	376	350	360
17	337	326	330	300	146	215	363	320	343	380	222	356
18	341	331	337	258	167	211	380	361	372	356	222	295
19	343	326	337	281	257	269	391	370	379	375	355	363
20	344	335	339	305	280	292	395	368	379	394	372	379
21	343	331	336	310	280	301	397	373	385	406	388	396
22	364	342	353	319	300	309	404	383	394	411	386	398
23	364	337	350	333	314	320	417	396	405	400	377	390
24	358	335	347	340	318	330	417	398	410	398	377	391
25	356	344	351	339	300	316	419	398	407	411	387	396
26 27 28 29 30 31	368 366 355 354 354	340 346 333 339 339	354 355 342 346 346 	339 346 344 362 365 366	312 332 322 334 340 348	323 339 329 346 355 356	423 425 420 368 396 400	408 394 292 304 362 387	414 414 366 348 375 392	406 408 391 404 382	385 367 361 353 357 	389 383 380 379 371
MONTH	368	186	323	366	127	301	425	146	368	450	222	391

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN N	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER		N	OVEMBER		I	DECEMBE	R		JANUAR	Y
1 2 3 4 5	 7.5	 7.4	 7.4	7.5 7.5 7.5 7.6	7.3 7.3 7.3 7.3	7.3 7.3 7.3 7.3	 	 	 	 	 	
6 7 8 9 10	7.5 7.5 7.5 	7.4 7.4 7.4 	7.4 7.4 7.4 	 7.8 7.8	 7.4 7.6	 7.6 7.6	 	 	 	 	 	
11 12 13 14 15	 7.5 	 7.3	 7.4	7.7 7.5 7.5 7.6 7.6	7.4 7.4 7.4 7.4 7.4 7.4	7.6 7.4 7.5 7.5 7.5	 	 	 	 	 	
16 17 18 19 20	 	 	 	7.7 7.7 7.6 7.6 7.6	7.4 7.5 7.4 7.4 7.4	7.5 7.6 7.5 7.4 7.5	 	 	 	 	 	
21 22 23 24 25	7.6 7.6 7.6 7.6 7.6	7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.4 7.5 7.4 7.4 7.4	7.6 7.8 7.8 8.0 8.0	7.4 7.4 7.5 7.6 7.7	7.5 7.5 7.6 7.7 7.8	 	 	 	 	 	
26 27 28 29 30 31	7.5 7.6 7.6 7.5 7.4 7.4	7.4 7.4 7.4 7.4 7.3 7.2	7.4 7.5 7.4 7.4 7.3 7.3	8.3 8.3 7.4	7.8 7.8 7.2	8.0 8.0 7.3	 	 	 	 	 	
MAX MIN	7.6 7.4	7.4 7.2	7.5 7.3	8.3 7.4	7.8 7.2	8.0 7.3						

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	1	FEBRUAR	Y		MARCH			APRIL			MAY	
1 2				7.6 7.6	7.3 7.3	7.4 7.4	7.3 7.3	7.2 7.2	7.3 7.3	7.8 7.7	7.4 7.4	7.5 7.5
3				7.6	7.3	7.4	7.2	7.2	7.2			
4 5				7.6 7.6	7.3 7.3	7.4 7.4	7.2 7.5	7.2 7.2	7.2 7.2	8.2 8.2	7.5 7.5	7.7 7.7
6				7.7	7.3	7.4	7.5	7.4	7.4	8.2	7.5	7.7
7 8				7.7 7.5	7.3 7.2	7.4 7.3	7.6 7.6	7.3 7.4	7.4 7.4	8.3 8.4	7.5 7.5	7.7 7.6
9 10				7.7 7.8	7.3 7.5	7.5 7.5	7.6 7.7	7.4 7.5	7.5 7.5	8.4 8.5	7.5 7.5	7.6 7.6
11				7.9	7.5	7.6	7.7	7.4	7.5	8.6	7.5	7.7
12 13				7.9 7.9	7.5	7.6 7.6	7.7 7.7	7.5	7.5	8.5	7.4	7.6 7.7
14				7.9	7.5 7.4	7.6	7.8	7.5 7.5	7.6	8.6 8.7	7.5	7.7
15				7.9	7.5	7.6	7.8	7.5	7.6	8.6	7.4	7.7
16 17				8.0 8.1	7.4 7.4	7.5 7.6	7.8 7.9	7.5 7.5	7.6 7.6	8.6 8.6	7.4 7.4	7.6 7.7
18				8.2	7.5	7.6	8.0	7.5	7.6	8.5	7.5	7.6
19 20				8.2 7.8	$7.4 \\ 7.4$	7.6 7.5	8.2 8.4	7.5 7.4	7.6 7.6	8.5 7.6	$7.4 \\ 7.4$	7.6 7.4
21				8.1	7.4	7.6	8.5	7.4	7.7	8.0	7.4	7.5
22 23				8.4 7.6	7.5 7.4	7.6 7.5	7.8 7.9	7.5 7.5	7.6 7.5	8.0 8.0	7.4 7.4	7.6 7.5
24 25				7.5 7.7	7.4 7.4	7.4 7.5	7.7 7.9	7.4 7.5	7.5 7.6	7.7 7.7	$7.4 \\ 7.4$	7.5 7.5
26				7.8	7.5	7.5	8.0	7.4	7.6	7.7	7.4	7.5
27				7.7	7.4	7.5	8.0	7.4	7.5	7.8	7.4	7.5
28 29				7.6 7.3	7.3 7.3	7.5 7.3	8.0 8.0	7.4 7.4	7.6 7.6	7.8 7.8	7.4 7.4	7.5 7.5
30 31				7.4 7.4	7.3 7.3	7.3 7.3	7.5	7.4	7.4	7.8 7.8	7.4 7.4	7.5 7.5
MAX				8.4	7.5	7.6	8.5	7.5	7.7	8.7	7.5	7.7
MIN				7.3	7.2	7.3	7.2	7.2	7.2	7.6	7.4	7.4
אַמ	MDX	MTN	MEDIAN	ΜΔΧ	MTN	MEDIAN	мдх	MIN	MEDIAN	ΜΔΧ	MTN	MEDIAN
DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX		MEDIAN	MAX		MEDIAN
		JUNE			JULY			AUGUST		1	SEPTEMB	ER
1 2	7.8 7.9	JUNE 7.4 7.4	7.5 7.5	8.2 7.7	JULY 7.3 7.3	7.5 7.4	8.7 8.7	AUGUST 7.5 7.5	7.9 7.8	8.2 8.3	7.6 7.6	ER 7.7 7.7
1	7.8	JUNE 7.4	7.5	8.2	JULY 7.3	7.5	8.7	AUGUST	7.9	8.2	5 EPTEMB 7.6	ER 7.7
1 2 3	7.8 7.9 7.6	JUNE 7.4 7.4 7.4	7.5 7.5 7.5	8.2 7.7 7.9	JULY 7.3 7.3 7.4	7.5 7.4 7.6	8.7 8.7 8.6	AUGUST 7.5 7.5 7.5	7.9 7.8 7.7	8.2 8.3 8.3	5 EPTEMB 7.6 7.6 7.6	ER 7.7 7.7 7.7
1 2 3 4 5 6	7.8 7.9 7.6 7.7 7.8 7.9	JUNE 7.4 7.4 7.4 7.4 7.4 7.3	7.5 7.5 7.5 7.5 7.5 7.5	8.2 7.7 7.9 8.0 8.0 7.9	JULY 7.3 7.3 7.4 7.5 7.5 7.4	7.5 7.4 7.6 7.6 7.6 7.6	8.7 8.7 8.6 8.6 8.7 8.6	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.7 7.8 7.8 7.8	8.2 8.3 8.3 8.3 8.3 8.3	5EPTEMB 7.6 7.6 7.6 7.6 7.6 7.5	ER 7.7 7.7 7.7 7.7 7.7 7.7
1 2 3 4 5 6 7 8	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7	JUNE 7.4 7.4 7.4 7.4 7.4 7.3 7.2 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4	8.2 7.7 8.0 8.0 7.9 7.9 7.6	JULY 7.3 7.4 7.5 7.5 7.5 7.4 7.3	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.4	8.7 8.6 8.6 8.7 8.7 8.6 8.7 8.6 8.5 8.0	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.1	7.9 7.8 7.7 7.8 7.8 7.8 7.8 7.8 7.7 7.5	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.5 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7
1 2 3 4 5 6 7	7.8 7.9 7.6 7.7 7.8 7.9 7.7	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.3 7.2	7.5 7.5 7.5 7.5 7.5 7.5 7.4	8.2 7.7 7.9 8.0 8.0 7.9 7.9	JULY 7.3 7.4 7.5 7.5 7.5 7.4 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6	8.7 8.7 8.6 8.6 8.7 8.6 8.5	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.7 7.8 7.8 7.8 7.8 7.8	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3	5EPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7
1 2 3 4 5 6 7 8 9 10 11	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.3 7.2 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.5 7.5 7.5 7.5	8.2 7.7 8.0 8.0 7.9 7.9 7.9 7.6 7.6 7.7	JULY 7.3 7.4 7.5 7.5 7.4 7.3 7.4 7.5 7.5 7.3 7.4 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.6 7.6	8.7 8.6 8.6 8.7 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.1 7.2 7.5 7.5 7.5	7.9 7.8 7.7 7.8 7.8 7.8 7.8 7.5 7.5 7.5 7.6 7.6	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.4	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.4 7.3 7.2 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.5 7.5	8.2 7.7 7.9 8.0 8.0 7.9 7.9 7.6 7.6 7.7	JULY 7.3 7.4 7.5 7.5 7.4 7.5 7.3 7.4 7.5 7.3 7.4 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.4 7.5 7.6	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.1 7.2 7.5 7.5 7.5 7.5	7.9 7.8 7.7 7.8 7.8 7.8 7.8 7.7 7.5 7.5 7.6	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.5 7.5 7.5 7.5 7.5 7.5	8.2 7.7 7.9 8.0 8.0 7.9 7.9 7.6 7.6 7.6 7.7 7.8 7.9 8.0 8.0	JULY 7.3 7.4 7.5 7.5 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.5 7.6 7.6 7.6 7.6 7.7 7.7	8.7 8.6 8.6 8.7 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.1 7.2 7.5 7.5 7.6 7.5 7.6 7.5	7.9 7.8 7.7 7.8 7.8 7.8 7.5 7.5 7.5 7.6 7.6 7.7 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.4	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.6 7.6	8.2 7.7 8.0 8.0 7.9 7.6 7.7 7.8 7.9 8.0 8.0 8.0	JULY 7.3 7.3 7.5 7.5 7.5 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.7	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 8.2 8.2 7.9	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.7 7.8 7.8 7.8 7.7 7.5 7.6 7.6 7.7 7.7 7.7 7.6	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.4 8.5 8.5 8.4 7.9	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 8.0 8.1	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.2 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 5	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.5 7.5 7.5 7.5 7.5 7.6 7.6 7.6 7.6	8.2 7.7 9 8.0 8.0 7.9 7.6 7.6 7.6 7.7 7.8 8.0 8.0 8.0 8.0 8.0	JULY 7.3 7.4 7.5 7.5 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.4 7.5 7.6 7.6 7.7 7.6 7.7 7.6 7.4	8.7 8.6 8.6 8.7 8.6 8.7 8.6 8.7 7.8 8.0 8.2 8.2 7.9 7.8 8.0	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.2 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.7 7.8 7.8 7.8 7.5 7.5 7.6 7.6 7.7 7.7 7.6 7.6 7.6	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 8.0 8.1 8.1	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	8.2 7.7 7.9 8.0 8.0 7.9 7.9 7.9 7.6 7.6 7.6 7.7 7.8 8.0 8.0 8.0 8.0 8.0 8.0 7.5 7.9	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 8.2 7.9 7.8 8.0 8.1 7.9	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.8 7.5 7.5 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.4 7.9 8.2 8.1	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	8.2 7.7 9 8.0 8.0 7.9 7.6 7.7 7.8 7.9 8.0 8.0 8.0 8.0 8.0 7.5 7.6 7.9 7.9	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.5 7.6 7.6 7.6 7.7 7.7 7.7 7.6 7.4 7.7 7.7 7.6 7.4 7.7 7.6 7.4 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.4 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.4 7.6 7.4 7.6 7.4 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.4 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.8 7.8 7.7 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.7 7.6	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 7.9 8.1 8.2	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.9 8.0 8.0 8.0 8.1 8.1 8.1 8.1 8.2 8.3	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	8.2 7.7 7.9 8.0 8.0 7.9 7.9 7.9 7.6 7.6 7.6 7.7 7.8 8.0 8.0 8.0 8.0 8.0 8.0 7.5 7.9 7.9 8.2	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.7 7.6 7.7 7.6 7.7 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.7 7.6 7.7	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1 8.2	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.8 7.5 7.5 7.6 7.7 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.4 7.9 8.2 8.2 7.9 8.1 8.2 8.2	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5	7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.6 7.6 7.7 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6	8.2 7.7 9 8.0 8.0 7.9 7.6 7.6 7.7 7.8 8.0 8.0 8.0 8.0 8.0 8.0 7.5 7.6 7.9 8.2 8.2 8.2 8.4 8.4	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.4 7.6 7.7 7.6 7.8 7.8 7.8 7.8 7.8 7.8 7.8	8.7 8.6 8.6 8.7 8.6 8.7 7.8 8.0 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1 8.2 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.8 7.8 7.5 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.7 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 7.9 8.1 8.2 8.2 8.3 8.4 8.3	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 3 24 25 26 27 28 29	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.4 <td>$\begin{array}{c} 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\$</td> <td>8.2 7.7 9 8.0 7.9 7.9 7.9 7.6 7.7 7.8 7.9 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.2 8.3 8.4 8.4 8.4 8.4 8.5 8.6 8.6</td> <td>JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5</td> <td>7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.4 7.7 7.6 7.6 7.6 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8</td> <td>8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1 8.2 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2</td> <td>AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5</td> <td>7.9 7.8 7.8 7.8 7.5 7.6 7.7 7.7 7.6 7.7 7.7 7.6 7.6 7.7 7.7</td> <td>8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 8.2 8.2 8.3 8.4 8.3 8.4 8.2 8.2 8.2 8.0</td> <td>SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6</td> <td>ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.</td>	$\begin{array}{c} 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\$	8.2 7.7 9 8.0 7.9 7.9 7.9 7.6 7.7 7.8 7.9 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.2 8.3 8.4 8.4 8.4 8.4 8.5 8.6 8.6	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.4 7.7 7.6 7.6 7.6 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1 8.2 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.5 7.6 7.7 7.7 7.6 7.7 7.7 7.6 7.6 7.7 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 8.2 8.2 8.3 8.4 8.3 8.4 8.2 8.2 8.2 8.0	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 9 20 21 22 23 24 25 26 27 28	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.4 <td>7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.6 7.6 7.7 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6</td> <td>8.2 7.7 9.0 8.0 7.9 7.6 7.7 7.8 7.9 8.0 8.0 8.0 8.0 8.0 8.0 7.5 7.6 7.9 8.2 8.3 8.2 8.4 8.4 8.5 8.6</td> <td>JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5</td> <td>7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.4 7.6 7.7 7.6 7.8 7.8 7.8 7.8 7.8 7.8 7.8</td> <td>8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2</td> <td>AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5</td> <td>7.9 7.8 7.8 7.8 7.8 7.8 7.5 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.7 7.7</td> <td>8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 7.9 8.1 8.2 8.2 8.3 8.4 8.3 8.3 8.4 8.2 8.3 8.4 8.3 8.4 8.3 8.4 8.3 8.3 8.4 8.3 8.4 8.3 8.4 8.4 8.4 8.4 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5</td> <td>SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6</td> <td>ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.</td>	7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.6 7.6 7.7 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.6	8.2 7.7 9.0 8.0 7.9 7.6 7.7 7.8 7.9 8.0 8.0 8.0 8.0 8.0 8.0 7.5 7.6 7.9 8.2 8.3 8.2 8.4 8.4 8.5 8.6	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.4 7.6 7.7 7.6 7.8 7.8 7.8 7.8 7.8 7.8 7.8	8.7 8.6 8.6 8.7 8.6 8.5 8.0 7.7 7.8 8.0 8.2 8.2 7.9 7.8 8.0 8.1 7.9 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.8 7.8 7.5 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.7 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 7.9 8.1 8.2 8.2 8.3 8.4 8.3 8.3 8.4 8.2 8.3 8.4 8.3 8.4 8.3 8.4 8.3 8.3 8.4 8.3 8.4 8.3 8.4 8.4 8.4 8.4 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 9 20 21 22 23 24 25 26 27 28 9 30	7.8 7.9 7.6 7.7 7.8 7.9 7.7 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	JUNE 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	$\begin{array}{c} 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\$	8.2 7.7 9 8.0 7.9 7.9 7.6 7.7 7.8 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 7.5 7.9 8.2 8.3 8.2 8.4 8.4 8.5 8.6 8.6	JULY 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.7 7.6 7.7 7.6 7.4 7.7 7.6 7.4 7.4 7.7 7.6 7.4 7.4 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.9	8.7 8.6 8.6 8.7 8.6 8.7 8.0 7.7 7.8 8.0 8.2 8.2 8.2 7.9 7.8 8.0 8.1 8.2 8.1 8.2 8.2 8.2 8.1 8.2 8.2 8.2 8.2 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	AUGUST 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.9 7.8 7.8 7.8 7.5 7.6 7.7 7.5 7.6 7.7 7.6 7.6 7.7 7.6 7.7 7.6 7.7 7.7	8.2 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.4 7.9 8.2 8.2 7.9 8.2 8.2 8.2 8.3 8.3 8.3 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	SEPTEMB 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	ER 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	r.
1 2				14.3 14.4	12.8 12.5	13.6 13.6						
3				14.3	12.3	13.7						
4 5	16.7	1 5 1	16 0	12.3	10.1	10.9						
D	10./	15.1	16.0									
6 7	15.6	13.5	14.7									
8	15.9 16.3	13.5 14.0	14.8 15.3									
9				9.7	8.1	8.9						
10				8.4	6.8	7.8						
11				9.7	7.7	8.8						
12 13				9.4 8.6	7.9 7.5	9.0 8.0						
14	14.1	13.4	13.7	8.2	6.7	7.5						
15				8.6	6.4	7.6						
16				9.1	7.1	8.2						
17				9.7	7.6	8.8						
18 19				11.1 11.8	9.5 10.5	10.3 11.2						
20				11.8	11.3	11.6						
21	13.3	12.8	13.0	12.1	11.3	11.6						
22	13.7	12.6	13.1	11.3	10.4	11.0						
23 24	12.9 12.3	$11.4 \\ 11.2$	12.3 11.8	$11.4 \\ 12.7$	10.8 11.4	11.1 11.8						
25	13.4	12.0	12.6	13.3	10.2	12.5						
26	13.4	12.4	13.0	10.2	7.9	8.7						
20	13.4	11.8	12.7	9.5	7.5	8.5						
28	13.5	12.1	12.8									
29 30	12.9 14.2	11.8 12.9	12.3 13.5	 9.6	8.5	 9.1						
31	15.5	13.9	14.6									
MONTH	16.7	11.2	13.5	14.4	6.4	10.2						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY		MIN FEBRUARY		МАХ	MIN MARCH	MEAN	MAX	MIN APRIL	MEAN	MAX	MIN MAY	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1 2		FEBRUARY 	 	5.2 5.2	MARCH 2.3 3.4	3.7 4.3	13.4 12.7	APRIL 9.9 9.4	11.6 10.3	15.3 13.9	MAY 12.8 11.6	13.8 12.6
1 2 3		FEBRUARY 	 	5.2 5.2 4.8	MARCH 2.3 3.4 2.2	3.7 4.3 3.7	13.4 12.7 9.7	APRIL 9.9 9.4 8.0	11.6 10.3 8.6	15.3 13.9	MAY 12.8 11.6	13.8 12.6
1 2		FEBRUARY 	 	5.2 5.2	MARCH 2.3 3.4	3.7 4.3	13.4 12.7	APRIL 9.9 9.4	11.6 10.3	15.3 13.9	MAY 12.8 11.6	13.8 12.6
1 2 3 4 5	 	FEBRUARY 	 	5.2 5.2 4.8 5.3 6.1	MARCH 2.3 3.4 2.2 2.0 2.6	3.7 4.3 3.7 3.7 4.3	13.4 12.7 9.7 11.0 11.6	APRIL 9.9 9.4 8.0 7.9 8.9	11.6 10.3 8.6 9.2 10.2	15.3 13.9 13.2 14.2	MAY 12.8 11.6 11.4 10.6	13.8 12.6 12.3 12.6
1 2 3 4	 	FEBRUARY 	 	5.2 5.2 4.8 5.3	MARCH 2.3 3.4 2.2 2.0	3.7 4.3 3.7 3.7	13.4 12.7 9.7 11.0	APRIL 9.9 9.4 8.0 7.9	11.6 10.3 8.6 9.2	15.3 13.9 13.2	MAY 12.8 11.6 11.4	13.8 12.6 12.3
1 2 3 4 5 6 7 8	 	FEBRUARY	 	5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9	3.7 4.3 3.7 4.3 4.3 4.8 7.0 6.3	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4	11.6 10.3 8.6 9.2 10.2 11.3 12.3 13.3	15.3 13.9 13.2 14.2 13.3 15.6 17.0	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3	13.8 12.6 12.3 12.6 12.2 13.1 14.7
1 2 3 4 5 6 7	 	FEBRUARY 	 	5.2 5.2 4.8 5.3 6.1 6.2 8.9	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8	3.7 4.3 3.7 3.7 4.3 4.8 7.0	13.4 12.7 9.7 11.0 11.6 13.3 13.6	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9	11.6 10.3 8.6 9.2 10.2 11.3 12.3	15.3 13.9 13.2 14.2 13.3 15.6	MAY 12.8 11.6 11.4 10.6 11.7 10.7	13.8 12.6 12.3 12.6 12.2 13.1
1 2 3 4 5 6 7 8 9 10		FEBRUARY 	 	5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3	11.6 10.3 8.6 9.2 10.2 11.3 12.3 13.3 12.3 12.3	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6
1 2 3 4 5 6 7 8 9 10 11	 	FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 13.0	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9
1 2 3 4 5 6 7 8 9 10 11 12 13		FEBRUARY	 	5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 13.0 12.1 11.9	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7	MAY 12.8 11.6 11.4 10.6 11.7 12.3 13.4 14.4 15.0 16.4 13.6	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7 14.3	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 13.0 12.1 11.9 12.2	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3	3.7 4.3 3.7 4.3 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 6.1	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7 14.3 13.9	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.3	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 13.0 12.1 11.9 12.2 12.2	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 6.1 6.2	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.3 10.1	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 13.0 12.1 11.9 12.2 12.2 12.2	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 15.0 16.4 14.6 16.9 16.1	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9 17.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3	3.7 4.3 3.7 4.3 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 6.1	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7 14.3 13.9	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.3	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 13.0 12.1 11.9 12.2 12.2	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 8.4 8.0 7.7 7.3 8.4 8.0	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 5.3 4.3 4.5 5.4 4.7 5.8	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 1 6.2 6.2 6.2 6.2 6.2 6.7	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 17.2	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.1 10.3 10.1 10.3 12.0 13.1	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.4 13.4 13.4 13.4 13.4 13.4 13.4 13.4 13.5	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9 17.6 15.8 15.3 15.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.8	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 4.8 4.3 4.5 5.4 4.7	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 6.1 6.2 6.2 6.8	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7 14.3 13.9 13.8 14.8 15.9	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1 10.3 10.1 10.3 12.0 13.1 14.8	11.6 10.3 8.6 9.2 10.2 11.3 12.3 13.3 12.3 13.0 12.1 11.9 12.2 12.2 12.0 12.7 14.0	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.4	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9 17.6 15.8 15.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.8 8.2 8.2 8.1	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5 5.4 4.7 5.8 7.7 7.0	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 1 6.2 6.2 6.2 6.8 7.7 8.0 7.7	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.5 13.0 11.9	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9 17.6 15.8 15.3 15.7 14.5 14.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.8 8.2 8.1 10.1	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5 5.4 4.7 5.4 4.7 5.4 7.7 7.0 5.6	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.1 6.2 6.8 7.7 8.0 7.9	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.4 13.4 13.4 13.4 13.4 14.4 13.5 13.0 11.9 14.3	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 17.9 17.6 15.8 15.3 15.7 14.5 14.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.8 8.2 8.1 10.1 8.9 7.1	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5 5.4 4.7 5.8 7.7 7.0 5.6 5.5 5.1	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 2.8 3.4 5.1 6.2 6.6 1 6.2 6.2 6.2 6.2 6.2 6.2 7.7 8.0 7.7 9 7.9 7.4	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1 13.8	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3 11.8	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9 15.1	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 15.0 16.4 14.6 16.9 16.1 14.4 13.5 13.0 11.9 14.3 13.9 13.9	$\begin{array}{c} 13.8\\ 12.6\\ -2.2\\ 12.3\\ 12.6\\ 12.2\\ 13.1\\ 14.7\\ 15.9\\ 16.6\\ 17.1\\ 17.4\\ 15.7\\ 16.9\\ 17.9\\ 17.6\\ 15.8\\ 15.3\\ 15.7\\ 14.5\\ 15.2\\ 14.2\\ 15.2\\ 14.5\\ 14.5\end{array}$
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.8 9.5 8.2 8.1 10.1	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5 5.4 4.7 5.8 7.7 7.0 5.6 5.5	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.6 6.1 6.2 6.8 7.7 8.0 7.7 9 7.4	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1 10.3 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 13.0 12.1 11.9 12.2 12.2 12.2 12.0 12.7 14.0 15.3 16.6 16.5 13.0	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.5 13.0 11.9 14.3 13.9	13.8 12.6 12.3 12.6 12.2 13.1 14.7 15.9 16.6 17.1 17.4 15.7 16.9 17.9 17.6 15.8 15.3 15.7 14.5 14.2 15.2 14.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.4 8.2 8.1 10.1 8.9 9.5 8.2 8.1 10.1 8.9 8.3	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 5.3 4.3 4.5 5.4 4.7 5.4 4.7 5.4 4.7 5.5 5.1 6.6 6.2	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 2.8 5.1 6.2 6.6 1 6.2 6.2 6.2 6.2 6.2 6.2 7.7 8.0 7.7 9 7.9 7.9 7.4 17 7.3	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1 13.8 12.1 14.8	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3 11.8 10.6 10.3	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 19.2 18.8 19.2 18.8 19.2 18.8 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9 15.1 13.9	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.5 13.0 11.9 14.3 13.9 13.0 12.7	$\begin{array}{c} 13.8\\ 12.6\\\\ 12.3\\ 12.6\\ 12.2\\ 13.1\\ 14.7\\ 15.9\\ 16.6\\ 17.1\\ 17.4\\ 15.7\\ 16.9\\ 17.9\\ 17.6\\ 15.8\\ 15.3\\ 15.7\\ 14.5\\ 15.2\\ 14.5\\ 14.2\\ 15.2\\ 14.5\\ 13.3\\ 13.8\end{array}$
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.8 9.5 8.2 8.1 10.1 8.9 7.1 8.2 8.3 8.3	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5 5.4 4.7 5.8 7.7 7.0 5.6 5.5 5.1 6.6 6.2 7.3	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.4 6.1 6.2 6.2 6.2 6.8 7.9 7.4 6.3 7.9 7.4 7.9	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1 13.8 15.5 14.1 13.8 12.1	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3 11.8 10.6 10.3 12.9	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9 15.1 13.9 15.0 18.2	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 16.9 16.1 14.4 13.4 13.4 13.4 13.4 13.4 13.4 13.4 14.4 13.5 13.0 11.9 14.3 13.9 13.9 13.0 12.7 13.1	$\begin{array}{c} 13.8\\ 12.6\\\\ 12.3\\ 12.6\\ 12.2\\ 13.1\\ 14.7\\ 15.9\\ 16.6\\ 17.1\\ 17.4\\ 15.7\\ 16.9\\ 17.9\\ 17.6\\ 15.8\\ 15.3\\ 15.7\\ 14.5\\ 14.5\\ 14.5\\ 14.5\\ 14.5\\ 13.3\\ 13.8\\ 15.6\end{array}$
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.4 8.2 8.1 10.1 8.9 9.5 8.2 8.1 10.1 8.9 8.3	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 5.3 4.3 4.5 5.4 4.7 5.4 4.7 5.4 4.7 5.5 5.1 6.6 6.2	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 2.8 5.1 6.2 6.6 1 6.2 6.2 6.2 6.2 6.2 6.2 7.7 8.0 7.7 9 7.9 7.9 7.4 17 7.3	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1 13.8 12.1 14.8	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3 11.8 10.6 10.3	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 19.2 18.8 19.2 18.8 19.2 18.8 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9 15.1 13.9	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.5 13.0 11.9 14.3 13.9 13.0 12.7	$\begin{array}{c} 13.8\\ 12.6\\\\ 12.3\\ 12.6\\ 12.2\\ 13.1\\ 14.7\\ 15.9\\ 16.6\\ 17.1\\ 17.4\\ 15.7\\ 16.9\\ 17.9\\ 17.6\\ 15.8\\ 15.3\\ 15.7\\ 14.5\\ 15.2\\ 14.5\\ 14.2\\ 15.2\\ 14.5\\ 13.3\\ 13.8\end{array}$
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.8 9.5 8.2 8.1 10.1 8.9 7.1 8.2 8.3 8.3 7.9 9.8 1.9	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 5.3 4.3 4.5 5.4 4.7 5.8 7.7 7.0 5.6 5.5 5.1 6.6 6.2 7.3 7.0 7.1 8.6	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 3.4 5.1 6.2 6.6 6.1 6.2 6.2 6.8 7.9 7.4 6.1 7.9 7.4 7.3 7.4 7.3 7.3 8.3 10.2	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.0 14.3 14.8 13.7 13.7 13.7 13.7 13.7 13.7 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1 13.8 15.5 14.1 13.8 15.5 14.1 15.2 14.3 13.9	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.3 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3 11.8 10.6 10.3 12.9 12.5 12.9	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 17.7 19.3 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9 15.1 13.9 15.0 18.2 19.4 19.2 18.3	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 16.9 16.1 14.4 13.6 16.9 16.1 14.4 13.5 13.0 11.9 14.3 13.9 13.0 11.9 13.0 12.7 13.1 15.0 14.5 15.0	$\begin{array}{c} 13.8\\ 12.6\\\\ 12.3\\ 12.6\\ 12.2\\ 13.1\\ 14.7\\ 15.9\\ 16.6\\ 17.1\\ 17.4\\ 15.7\\ 16.6\\ 17.9\\ 17.9\\ 17.6\\ 15.8\\ 15.3\\ 15.7\\ 14.5\\ 14.5\\ 14.5\\ 14.5\\ 13.3\\ 13.8\\ 15.6\\ 16.7\\ 16.6\end{array}$
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUARY		5.2 5.2 4.8 5.3 6.1 6.2 8.9 8.7 4.5 5.0 6.6 7.4 7.9 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.4 8.0 7.7 7.3 8.2 8.1 10.1 8.9 5.2 8.2 8.1 10.1 8.9 9.5 8.2 8.2 8.1 10.1 8.9 9.5 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	MARCH 2.3 3.4 2.2 2.0 2.6 3.1 4.8 2.9 1.2 1.7 3.4 4.8 4.8 5.3 4.3 4.5 5.4 4.7 5.4 4.7 5.4 4.7 5.5 5.1 6.6 6.2 7.3 7.0 7.1	3.7 4.3 3.7 4.3 4.8 7.0 6.3 2.8 4 5.1 2.8 4 5.1 2.8 4 6.6 1 6.2 6.2 6.2 6.2 6.2 7.7 9 7.9 7.9 7.3 7.3 7.3	13.4 12.7 9.7 11.0 11.6 13.3 13.6 14.5 14.0 14.3 14.8 13.7 14.3 13.9 13.8 14.8 15.9 17.2 18.3 17.8 15.5 14.1 13.8 12.1 14.8 15.1 14.1 13.8 12.1	APRIL 9.9 9.4 8.0 7.9 8.9 9.5 10.9 12.4 10.7 10.3 11.4 10.1 10.1 10.1 10.1 10.3 10.1 10.3 12.0 13.1 14.8 15.5 12.7 12.3 11.8 10.6 10.3 12.9 12.5 12.5 12.5	11.6 10.3 8.6 9.2 10.2 11.3 12.3 12.3 12.3 12.3 12.3 12.3 12	15.3 13.9 13.2 14.2 13.3 15.6 17.0 18.2 18.9 19.2 18.8 19.2 18.8 19.6 17.0 17.3 17.9 16.3 16.5 16.2 15.9 15.1 13.9 15.1 13.9 15.0 18.2 19.4 19.2	MAY 12.8 11.6 11.4 10.6 11.7 10.7 12.3 13.4 14.4 15.0 16.4 13.6 14.6 16.9 16.1 14.4 13.5 13.0 11.9 14.3 13.9 13.0 12.7 13.1 15.0 14.5	$\begin{array}{c} 13.8\\ 12.6\\ 12.2\\ 13.1\\ 14.7\\ 15.9\\ 16.6\\ 17.1\\ 17.4\\ 15.7\\ 16.9\\ 17.9\\ 17.6\\ 15.8\\ 15.3\\ 15.7\\ 14.5\\ 15.2\\ 14.5\\ 14.5\\ 14.5\\ 13.3\\ 13.8\\ 15.6\\ 16.7\\ 16.7\\ 16.7\\ \end{array}$

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBE	R
1	20.3	15.8	17.9	25.3	22.5	23.4	25.4	22.4	23.7	24.8	20.9	22.5
2	19.7	16.4	17.9	25.0	22.1	23.3	27.1	22.1	24.3	24.5	19.8	22.0
3	17.9	16.3	16.8	24.4	20.5	22.3	27.9	22.9	25.1	23.6	19.4	21.4
4	18.1	16.0	17.0	25.2	20.3	22.5	28.0	23.5	25.4	23.0	18.6	20.6
5	21.8	16.7	19.1	24.3	22.0	22.9	27.1	23.5	25.1	22.7	18.7	20.5
6	23.1	19.0	20.8	24.4	21.7	23.0	26.6	23.3	24.6	22.7	18.2	20.3
7	23.1	19.4	21.2	23.2	21.8	22.4	24.8	22.2	23.3	22.6	17.8	19.9
8	24.5	20.1	22.2	21.8	19.4	20.3	23.4	22.0	22.5	22.5	17.2	19.6
9	24.0	20.8	22.3	23.2	19.4	21.2	22.9	21.6	22.2	21.6	18.1	19.7
10	24.6	21.5	22.7	24.6	20.4	22.5	24.1	21.1	22.5	22.4	17.9	19.8
11	25.1	21.6	23.2	25.2	21.0	23.1	25.7	21.6	23.4	21.7	17.5	19.6
12	25.0	21.9	23.4	26.0	22.0	23.8	26.7	22.2	24.3	22.6	17.6	19.9
13	25.1	21.8	23.2	24.7	22.8	23.7	27.9	23.6	25.4	23.2	18.4	20.5
14	25.9	22.3	23.9	24.8	23.0	23.8	28.0	23.9	25.7	21.6	19.6	20.6
15	25.8	22.5	23.8	24.5	23.1	23.7	26.1	23.8	25.0	23.0	20.8	21.8
16	23.6	21.1	22.4	24.0	22.9	23.4	23.8	21.5	22.5	24.2	21.1	22.3
17	21.9	18.8	20.3	25.0	22.8	23.8	24.4	20.4	22.1	23.5	21.5	22.3
18	21.6	17.6	19.4	26.0	23.4	24.6	24.7	20.5	22.4	22.9	20.1	21.4
19	20.2	18.0	18.9	26.6	23.9	25.1	22.6	21.2	21.8	23.1	19.4	21.0
20	21.2	17.5	19.1	27.1	23.7	25.2	23.5	20.7	21.8	21.8	19.4	20.6
21	22.7	17.4	19.8	26.7	22.8	24.7	26.0	21.8	23.4	22.4	18.8	20.4
22	23.4	18.6	20.8	26.9	23.5	25.1	25.1	20.8	22.7	21.9	17.6	19.7
23	23.8	18.5	20.9	26.9	23.6	24.9	23.7	19.7	21.5	22.1	18.9	20.4
24	24.7	19.3	21.6	25.2	21.4	23.2	23.6	19.2	21.0	20.9	19.2	20.1
25	25.8	20.0	22.5	25.1	22.1	23.5	23.4	18.2	20.5	20.4	18.6	19.4
26 27 28 29 30 31	26.1 23.4 26.0 25.1 25.6	20.8 22.1 21.6 22.5 22.4	23.2 22.7 23.4 23.6 23.7	27.6 28.5 25.9 25.3 25.6 24.8	23.3 24.2 22.8 21.4 22.3 22.0	25.1 25.9 24.3 23.2 23.6 23.4	22.5 22.0 21.2 23.5 23.3 24.4	18.9 19.6 20.4 20.4 21.3 22.6	20.6 20.9 20.8 21.7 22.3 23.3	20.8 21.3 19.7 18.9 17.9	18.7 18.3 16.1 16.7 14.4	19.8 19.8 17.8 17.8 16.0
MONTH	26.1	15.8	21.3	28.5	19.4	23.6	28.0	18.2	23.0	24.8	14.4	20.2

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER		NOVEMBER			DECEMBER			JANUARY			
1 2 3 4 5	 9.1	 8.5	 8.8	10.0 10.1 10.0 10.1	8.0 7.9 7.8 8.5	8.9 9.0 8.8 9.4	 	 	 	 	 	
6 7 8 9 10	9.6 9.6 9.4 	8.9 8.5 8.4 	9.2 9.2 8.9 	 11.2 11.8	 9.6 10.3	 10.5 11.0	 	 	 	 	 	
11 12 13 14 15	 9.4 	 8.3	 9.0	11.4 10.4 10.7 11.5 11.5	9.9 9.8 10.1 10.3 10.3	10.7 10.0 10.5 10.8 10.8	 	 	 	 	 	
16 17 18 19 20	 	 	 	11.3 11.3 10.5 10.3 9.9	9.9 9.5 8.7 8.6 8.4	10.6 10.4 9.6 9.2 9.0	 	 	 	 	 	
21 22 23 24 25	10.4 10.5 10.7 11.0 10.7	9.6 9.7 9.8 9.9 9.3	9.9 10.0 10.2 10.4 10.0	10.2 10.7 10.4 9.9 9.2	8.3 8.6 8.6 8.3 8.1	9.1 9.3 9.2 8.8 8.6	 	 	 	 	 	
26 27 28 29 30 31	10.5 10.8 10.7 10.8 9.2 9.2	9.3 9.3 9.2 9.2 8.2 7.9	9.8 10 9.8 9.9 8.9 8.5	11.0 11.2 	8.8 9.1 	9.9 10.1 	 	 	 	 	 	
MONTH	11.0	7.9	9.5	11.8	7.8	9.7						

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN													
		FEBRUARY			MARCH			APRIL			MAY														
1 2				12.2 12.0	11.2 11.0	11.7 11.5	10.2 9.6	9.1 9.1	9.7 9.4	11.3 11.4	9.1 9.1	9.8 10.1													
3 4				$12.1 \\ 12.2$	10.9 10.8	11.4 11.5	10.0 10.1	9.3 9.4	9.7 9.9		 9.2	10.4													
5				11.8	10.4	11.1	10.5	9.5	9.9	12.1	9.2	10.5													
6 7				11.5 10.6	9.8 8.8	10.7 9.8	10.3 10.5	9.2 9.2	9.9 9.7	12.2 12.4	9.1	10.5 10.6													
8				9.8	8.8	9.3	9.8	9.2	9.4	12.2	8.8 8.4	10.1													
9 10				$\begin{array}{c} 11.1 \\ 11.4 \end{array}$	9.7 9.7	10.2 10.6	10.5 10.5	9.3 9.3	9.9 9.9	12.3 12.6	8.1 8.1	9.9 9.9													
11				11.9		10.8	10.2	9.3	9.7	12.9	7.7	9.9													
12 13							10.9 10.8	9.3 9.5	10.1 10.2	12.6 13.3	7.7 8.4	9.6 10.5													
14 15							10.9 11.2	9.5 9.6	10.3 10.4	13.5 12.6	7.7 7.6	10.4 9.8													
16							11.3	9.6	10.5	12.7	7.9	9.8													
17							11.5	9.1	10.4	13.0	8.3	10.4													
18 19				11.7 11.5	8.7 8.6	10.1 9.8	11.2 11.8	9.0 8.3	10.1 9.7	13.3 12.3	8.7 8.1	10.6 10													
20				10.2	8.5	9.1	11.3	7.9	9.5	9.6	8.0	8.9													
21 22				11.2 11.7	8.6 8.6	9.6 10	$11.7 \\ 11.1$	7.8 8.7	9.5 9.8	11.8 11.4	8.6 8.6	10.2													
23				9.5	8.5	9.0	11.3	8.8	10	11.6	8.9	9.9													
24 25				10.3 10.8	9.5 9.5	9.7 10.0	10.7 11.9	8.7 9.8	9.8 10.8																
26				11.3	9.7	10.4	12.0	9.2	10.7																
27 28				11.5 11.0	10.0 10.2	10.6 10.6	$11.4 \\ 11.7$	8.9 8.9	10 10.1																
29 30				10.5 10.5	9.7 9.6	10.3 10.0	11.9 10.0	9.1 9.1	10.3 9.5																
31				10.5	9.6	10.1																			
MONTH				12.2	8.5	10.3	12.0	7.8	10.0	13.5	7.6	10.1													
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN													
DAY	MAX	MIN JUNE	MEAN	MAX	MIN JULY	MEAN		MIN AUGUST	MEAN		MIN SEPTEMBE														
1		JUNE		9.3	JULY 6.2	7.2	11.1	AUGUST 6.6	8.3	9.8	5 EPTEMBE 7.0	8.1													
		JUNE			JULY			AUGUST		2	SEPTEMBE	R													
1 2	 9.2 9.5	JUNE 7.9 7.9	 8.5 8.7	9.3 7.7 8.4 8.8	JULY 6.2 6.1 6.5 6.8	7.2 6.8 7.3 7.7	11.1 11.1 10.7 10.7	AUGUST 6.6 6.4 6.2 6.1	8.3 8.2 7.8 7.8	9.8 10.3 10.4 11.0	7.0 7.2 7.1 7.7	8.1 8.4 8.5 9.1													
1 2 3 4 5	 9.2 9.5 9.5	JUNE 7.9 7.9 7.1	 8.5 8.7 8.4	9.3 7.7 8.4 8.8 8.6	JULY 6.2 6.1 6.5 6.8 6.5	7.2 6.8 7.3 7.7 7.3	11.1 11.1 10.7 10.7 11.0	AUGUST 6.6 6.4 6.2 6.1 6.1	8.3 8.2 7.8 7.8 8.0	9.8 10.3 10.4 11.0 11.0	7.0 7.2 7.1 7.7 7.8	8.1 8.4 8.5 9.1 9.0													
1 2 3 4 5 6 7	 9.2 9.5 9.5 9.5 8.6	JUNE 7.9 7.9 7.1 6.8 6.6	 8.5 8.7 8.4 7.9 7.6	9.3 7.7 8.4 8.8 8.6 8.4 8.9	JULY 6.2 6.1 6.5 6.8 6.5 6.6 6.7	7.2 6.8 7.3 7.7 7.3 7.4 7.6	11.1 11.1 10.7 10.7 11.0 11.1 11.0	AUGUST 6.6 6.4 6.2 6.1 6.1 6.2 6.5	8.3 8.2 7.8 7.8 8.0 8.0 8.1	9.8 10.3 10.4 11.0 11.0 11.4 11.4	SEPTEMBE 7.0 7.2 7.1 7.7 7.8 7.9 7.9	R 8.1 8.4 8.5 9.1 9.0 9.2 9.2													
1 2 3 4 5 6 7 8 9	9.2 9.5 9.5 8.6 8.8 9.1	JUNE 7.9 7.1 6.8 6.6 7.0 6.9	 8.5 8.7 8.4 7.9 7.6 7.7 7.8	9.3 7.7 8.4 8.8 8.6 8.4 8.9 8.4 8.2	JULY 6.2 6.1 6.5 6.8 6.5 6.6 7.7 7.4	7.2 6.8 7.3 7.7 7.3 7.4 7.6 7.9 7.9	11.1 10.7 10.7 11.0 11.1 11.0 9.9 8.6	AUGUST 6.6 6.4 6.2 6.1 6.1 6.2 6.5 6.5 6.6 6.7	8.3 8.2 7.8 7.8 8.0 8.0 8.1 7.4 7.6	9.8 10.3 10.4 11.0 11.0 11.4 11.4 11.4 11.8 12.4	SEPTEMBE 7.0 7.2 7.1 7.7 7.8 7.9 7.9 8.0 7.9	R 8.1 8.4 8.5 9.1 9.0 9.2 9.2 9.2 9.4 9.6													
1 2 3 4 5 6 7 8 9 10	 9.2 9.5 9.5 8.6 8.8 9.1 8.9	JUNE 7.9 7.1 6.8 6.6 7.0 6.9 6.9	 8.5 8.7 8.4 7.9 7.6 7.7 7.8 7.7	9.3 7.7 8.4 8.8 8.6 8.4 8.9 8.4 8.2 8.3	JULY 6.2 6.5 6.5 6.6 6.7 7.7 7.4 7.3	7.2 6.8 7.3 7.7 7.3 7.4 7.6 7.9 7.9 7.9 7.7	11.1 11.1 10.7 10.7 11.0 11.1 11.0 9.9 8.6 8.6	AUGUST 6.6 6.4 6.2 6.1 6.1 6.2 6.5 6.6 6.7 7.1	8.3 8.2 7.8 7.8 8.0 8.1 7.4 7.6 7.7	9.8 10.3 10.4 11.0 11.0 11.4 11.4 11.4 11.8 12.4 12.0	SEPTEMBE 7.0 7.2 7.1 7.7 7.8 7.9 7.9 8.0 7.9 7.9 7.9	R 8.1 8.4 8.5 9.1 9.0 9.2 9.2 9.4 9.6 9.4													
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