01481000 BRANDYWINE CREEK AT CHADDS FORD, PA

LOCATION.--Lat 39°52'11", long 75°35'37", Delaware County, Hydrologic Unit 02040205, on left bank 27 ft upstream from Penn Central Railroad bridge at Chadds Ford, 150 ft upstream from Harvey Run, and 1,200 ft downstream from highway bridge on U.S. Highway 1.

DRAINAGE AREA.--287 mi².

WATER-DISCHARGE RECORDS

- PERIOD OF RECORD.--August 1911 to September 1953, October 1962 to current year. Prior to October 1911, monthly discharge only, published in WSP 1302.
- **REVISED RECORDS**.--WSP 756: Drainage area. WSP 1202: 1917-18(M), 1919-20, 1922-31(M), 1932-33, 1934(M), 1936, 1938(P), 1939(M), 1942, 1944-46(M), WDR PA-98-1: 1996-97 (M).
- GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 150.45 ft above sea level. Prior to May 21, 1927, 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 17 mi upstream. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD .-- Flood of Aug. 19, 1955, reached a stage of 14.64 ft, gage datum, discharge, about 16,400 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	101	119	105	199	705	354	251	173	117	56	79
2	80	101	115	140	552	401	378	241	169	145	54	74
3	81	101	112	1780	593	314	342	241	193	202	51	70
4	114	100	110	848	378	463	333	248	176	143	49	68
5	127	97	114	296	327	398	378	244	161	120	47	94
6	106	102	114	271	289	338	329	236	153	111	49	509
7	96	99	111	247	244	425	306	237	154	106	48	166
8	290	e98	116	193	329	314	295	247	151	101	49	156
9	651	e97	160	301	311	290	325	251	142	97	55	110
10	930	98	133	516	260	287	1020	233	140	97	54	425
11	255	123	118	223	232	285	553	220	144	98	52	153
12	159	133	113	189	231	267	834	217	140	94	51	99
13	138	114	112	249	446	255	534	333	144	97	49	88
14	133	108	110	339	302	265	440	261	187	95	88	85
15	120	103	107	1000	253	374	407	223	207	92	103	91
16	114	101	106	766	240	411	379	212	160	90	78	6360
17	116	100	106	541	236	435	427	211	150	88	64	10100
18	117	98	104	1870	804	560	346	205	163	83	57	1370
19	112	97	102	1840	626	371	323	291	158	77	52	606
20	106	100	104	517	357	317	346	269	144	120	55	560
21	103	105	104	402	304	456	344	218	158	95	74	590
22	100	103	108	406	270	2690	387	209	155	86	75	774
23	101	101	108	403	235	971	398	248	150	88	66	499
24	102	101	107	1170	240	682	440	490	144	81	61	407
25	101	98	102	936	236	588	354	427	137	76	60	449
26 27 28 29 30 31	100 102 103 105 101 102	224 220 139 125 121	96 100 105 110 128 104	470 381 344 315 286 222	233 223 335 	466 421 421 400 370 348	328 306 285 269 257	282 229 198 183 177 175	135 127 123 124 121	70 66 61 54 60 59	388 1110 191 108 89 83	416 360 234 222 895
TOTAL	5051	3408	3458	17566	9285	15288	12017	7707	4583	2969	3466	26109
MEAN	163	114	112	567	332	493	401	249	153	95.8	112	870
MAX	930	224	160	1870	804	2690	1020	490	207	202	1110	10100
MIN	80	97	96	105	199	255	257	175	121	54	47	68

e Estimated.

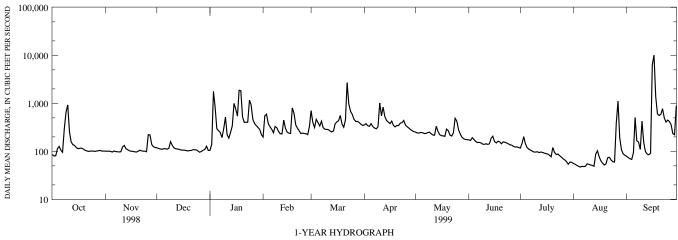
01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

STATISTICS OF MONTHLY MEA	N DATA FOR WATER	YEARS 1974	- 1999, BY WATER	YEAR (WY)	(SINCE REGULATIO	<u>N</u>)
OCT NOV	DEC JAN	FEB	MAR APR	MAY	JUN JUL	AUG SEP
MEAN 272 329 MAX 924 751 (WY) 1997 1997 MIN 113 114 (WY) 1998 1999	465555163416641997197911210619991981	544 1308 1979 217 1992	659628171315091994198319520019811985	523 1097 1989 249 1999	382 342 833 1153 1975 1975 153 95.8 1999 1999	238 280 562 906 1996 1979 94.5 93.2 1995 1980
SUMMARY STATISTICS	FOR 1998 CAL	ENDAR YEAR	FOR 1999 W2	ATER YEAR	WATER YE	ARS 1974 - 1999
ANNUAL TOTAL ANNUAL MEAN HIGHEST ANNUAL MEAN	127963 351		110907 304		434 714	1984
LOWEST ANNUAL MEAN HIGHEST DAILY MEAN LOWEST DAILY MEAN ANNUAL SEVEN-DAY MINIMUM INSTANTANEOUS PEAK FLOW INSTANTANEOUS PEAK STAGE INSTANTANEOUS LOW FLOW 10 PERCENT EXCEEDS 50 PERCENT EXCEEDS	3280 80 89 709 226	Apr 2 Oct 2 Sep 27	10100 47 50 a 26900 17.1! 45 512 166	Sep 17 Aug 5 Aug 2 Sep 17 5 Sep 17 Aug 5	199 10600 47 50 a 26900 17.15 <u>8.4</u> 818 298	1981 Jan 26 1978 Aug 5 1999 <u>Aug 2 1999</u> Sep 17 1999 Sep 17 1999 Sep 13 1980
90 PERCENT EXCEEDS	101		81		125	

STATIST	TICS OF	MONTHLY	MEAN DATA	FOR WATER	YEARS	1911-1953,	1963-1973,	BY WATE	R YEAR (WY)	(PRIC	R TO REGU	LATION)
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN MAX (WY) MIN (WY)	219 666 1972 67.7 1964	301 625 1972 98.3 1942	348 827 1973 114 1966	444 1020 1936 145 1966	570 1130 1971 214 1934	1366 1920 247	530 1043 1973 226 1963	435 946 1952 175 1926	364 1144 1972 149 1963	309 802 1919 91.1 1963	278 1089 1933 82.1 1930	230 1050 1971 59.4 1932

SUMMARY STATISTICS	WATER YEARS	1911-1953 1963-1973
ANNUAL MEAN HIGHEST ANNUAL MEAN LOWEST ANNUAL MEAN HIGHEST DAILY MEAN LOWEST DAILY MEAN ANNUAL SEVEN-DAY MINIMUM INSTANTANEOUS PEAK FLOW INSTANTANEOUS PEAK STAGE INSTANTANEOUS LOW FLOW ANNUAL RUNOFF (CFSM) ANNUAL RUNOFF (INCHES) 10 PERCENT EXCEEDS 50 PERCENT EXCEEDS 90 PERCENT EXCEEDS	385 625 218 9590 42 45 b 23800 16.56 4.9 1.34 18.23 700 274 118	1928 1932 Aug 24 1933 Sep 12 1966 Sep 7 1966 Jun 22 1972 Jun 22 1972 Oct 2 1942

a From rating curve extended above 13,200 ft³/s on basis of area-velocity study at gage height 16.56 ft. b From rating curve extended above 9,000 ft³/s on basis of area-velocity study.



OCTOBER 1, 1998 TO SEPTEMBER 30, 1999

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

PERIOD OF DAILY RECORD.--SPECIFIC CONDUCTANCE: October 1965 to current year. pH: October 1965 to September 1966, December 1971 to current year. WATER TEMPERATURES: October 1964 to current year. DISSOLVED OXYGEN: October 1971 to current year. SUSPENDED-SEDIMENT DISCHARGE: October 1963 to September 1978.

INSTRUMENTATION.--Water-quality monitor since August 1971.

REMARKS.--Data collection discontinued during winter months since 1981 water year. Other interruptions in the record were due to malfunctions of the recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--SPECIFIC CONDUCTANCE: Maximum, 556 microsiemens, June 16, 1991; minimum, 42 microsiemens, Nov. 26, 1979. pH: Maximum, 9.8, Apr. 9, 1975; minimum, 6.1, Feb. 22, 1976. WATER TEMPERATURE: Maximum, 31.0°C, July 18, 19, 1977, Aug. 15, 1988, July 6, 1999; minimum, 0.0°C, many days during winters. DISSOLVED OXYGEN: Maximum, 17.1 mg/L, Dec. 5, 1976; minimum, 3.0 mg/L, June 21, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	$\begin{array}{c} \text{SPE-} \\ \text{CIFIC} \\ \text{CON-} \\ \text{DUCT-} \\ \text{ANCE} \\ (\mu \text{S/CM}) \\ (00095) \end{array}$	TEMPER- ATURE WATER (DEG C) (00010)	COLI- FORM, FECAL, 0.45 µM-MF (COLS./ 100 ML) (31616)	TOTAL UREASE (COL /
MAR 1999										
11	0935	1028	1028	286	10.0	6.3	267	4.0	27	
22	1015	1028	1028	3280	11.4	7.4	150	6.5	2200	
APR										
07	1356	1028	1028	305	12.3	7.9	241	13.5	К2	
16	0830	1028	1028	365	10.0	7.5	229	11.5	52	
29	0915	1028	1028	265	9.7	7.4	268	13.5	98	
MAY										
03	1130	1028	1028	238	9.3	7.4	276	14.5	78	
18	1315	1028	1028	204	10.1	7.7	275	18.5	К94	K44
25	0930	1028	1028	404	8.6	7.4	210	16.0	K6700	
JUN										
02	1110	1028	1028	167	8.2	7.6	277	23.0	110	
23	1305	1028	1028	152	10.0	7.4	293	22.0	K150	
28	0725	1028	1028	124	6.5	7.3	303	25.0	100	
JUL										
15	1040	1028	1028	94	8.4	7.5	321	22.0	K2200	
19	0840	1028	1028	77	6.5	7.4	341	26.5	180	
21	1215	1028	1028	94	7.4	7.4	293	25.0	110	
26	1100	1028	1028	72	7.1	7.5	338	26.5	120	
AUG										
03	1020	1028	1028	49	6.0	7.4	372	26.0	180	
16	1203	1028	1028	82	7.8	7.5	316	26.0	100	
26 SEP	1043	1028	1028	760	7.3	7.4	300	22.0	2600	620
08	1127	1028	1028	157	7.6	7.4	274	24.5	210	
15	1023	1028	1028	157	7.8	7.4	274 335	24.5	140	180
16	1023	1028	1028	2640	7.8	7.1	226	17.0	K960	K440
27	1250	1028	1028	2640 391	7.4 8.8	7.1	220	16.5	160	K440
41	±250	1028	1028	291	0.0	/.0	437	T0.2	100	

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		:	NOVEMBER			DECEMBER			JANUARY	
1	370	355	365	388	351	363						
2	394	361	370	390	336	365						
3 4	382 395	359 350	366 373	372 350	336 323	345 333						
5	388	373	381									
<i>c</i>	202	254	2.71									
6 7	393 364	354 335	371 347									
8	527	315	376									
9	315	242	265									
10	291	182	223	344	326	336						
11	257	215	240	362	331	344						
12 13	307 333	257 307	278	363 334	315	336 328						
14	361	318	317 333	358	322 326	328						
15	357	334	347	345	336	340						
16	397	349	359	346	327	336						
17	369	355	361	345	327	330						
18	402	363	372	331	291	325						
19	377	362	369	335	321	326						
20	412	342	362	333	325	330						
21	351	319	338	369	323	329						
22	356	319	330	326	314	321						
23 24	331 355	321 321	326 329	361 330	318 321	327 325						
25	331	317	325	361	318	326						
26	262	319	329									
26 27	362 335	319	329									
28	370	327	336									
29 30	352 369	334 340	338 352									
30	369	340	362									
MONTH	527	182	338	390	291	335						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUAR	Y		MARCH			APRIL			MAY	
1				259	214	230	247	234	243	275	266	271
2				240	216	229	249	233	241	278	268	272
3 4				255 261	240 240	250 254	243 246	234 236	239 241	276 282	271 270	273 274
5				244	237	240	247	229	239	277	262	269
<i>c</i>				057								
6 7							0.4.1	0.00	0.07	0.7.5	0.00	071
8				257 264	242 245	252 256	241 247	229 235	237 240	275 278	262 273	271 275
9				264 254	242 245 245	252 256 251	241 247 250	235 219	240 237	278 280	262 273 269	275 274
10				264 254 267	245 245 253	256 251 261	247 250 252	235 219 233	240 237 244	278 280 274	273 269 265	275 274 270
				264 254	245 245	256 251	247 250	235 219	240 237	278 280	273 269	275 274
11		 	 	264 254 267 265 272	245 245 253 259 260	256 251 261 261 265	247 250 252 234 210	235 219 233 180 189	240 237 244 200 203	278 280 274 271 271	273 269 265 264 263	275 274 270 267 266
12		 	 	264 254 267 265 272 271	245 245 253 259 260 263	256 251 261 261 265 265	247 250 252 234 210 211	235 219 233 180 189 193	240 237 244 200 203 201	278 280 274 271 271 273	273 269 265 264 263 262	275 274 270 267 266 268
12 13		 	 	264 254 267 265 272 271 269	245 245 253 259 260 263 260	256 251 261 261 265 267 263	247 250 252 234 210 211 221	235 219 233 180 189 193 204	240 237 244 200 203 201 215	278 280 274 271 271 273 265	273 269 265 264 263 262 249	275 274 270 267 266 268 259
12		 	 	264 254 267 265 272 271	245 245 253 259 260 263	256 251 261 261 265 265	247 250 252 234 210 211	235 219 233 180 189 193	240 237 244 200 203 201	278 280 274 271 271 273	273 269 265 264 263 262	275 274 270 267 266 268
12 13 14 15	 	 	 	264 254 267 265 272 271 269 267 356	245 245 253 259 260 263 260 257 257	256 251 261 265 267 263 263 263 291	247 250 252 234 210 211 221 231 233	235 219 233 180 189 193 204 220 225	240 237 244 200 203 201 215 225 230	278 280 274 271 271 273 265 262 269	273 269 265 264 263 262 249 250 262	275 274 270 267 266 268 259 255 266
12 13 14		 	 	264 254 267 265 272 271 269 267	245 245 253 259 260 263 260 257	256 251 261 265 265 267 263 263	247 250 252 234 210 211 221 231	235 219 233 180 189 193 204 220	240 237 244 200 203 201 215 225	278 280 274 271 271 273 265 262	273 269 265 264 263 262 249 250	275 274 270 267 266 268 259 255
12 13 14 15 16 17 18			 	264 254 267 265 272 271 269 267 356 386 	245 245 253 259 260 263 260 257 257 329 	256 251 261 265 267 263 263 291 365 	247 250 252 234 210 211 231 233 236 236 238 236	235 219 233 180 189 193 204 220 225 227 220 224	240 237 244 200 203 201 215 225 230 232 230 230	278 280 274 271 273 265 262 269 278 277 274	273 269 265 264 263 262 250 262 265 268 268	275 274 270 267 266 268 259 255 266 271 272 271
12 13 14 15 16 17 18 19	 			264 254 267 265 271 269 267 356 386 	245 245 253 259 260 263 260 257 257 329 	256 251 261 265 267 263 263 291 365 	247 250 252 234 210 211 231 233 236 238 238 236 243	235 219 233 180 193 204 220 225 227 220 227 220 224 225	240 237 244 200 203 201 215 225 230 232 230 232 230 235	278 280 274 271 273 265 262 269 278 277 274 273	273 269 265 264 263 262 249 250 262 262 265 268 268 268 268 253	275 274 270 267 266 268 259 255 266 271 272 271 272 271 268
12 13 14 15 16 17 18			 	264 254 267 265 272 271 269 267 356 386 	245 245 253 259 260 263 260 257 257 329 	256 251 261 265 267 263 263 291 365 	247 250 252 234 210 211 231 233 236 236 238 236	235 219 233 180 189 193 204 220 225 227 220 224	240 237 244 200 203 201 215 225 230 232 230 230	278 280 274 271 273 265 262 269 278 277 274	273 269 265 264 263 262 250 262 265 268 268	275 274 270 267 266 268 259 255 266 271 272 271
12 13 14 15 16 17 18 19 20 21				264 254 267 265 271 269 267 356 386 	245 245 253 259 260 263 260 257 257 329 	256 251 261 265 267 263 263 291 365 	247 250 252 234 210 211 231 233 236 238 236 243 238 238 240	235 219 233 180 193 204 220 225 227 220 224 225 227 220 224 225 227 232	240 237 244 200 203 201 215 225 230 232 230 230 230 235 232 237	278 280 274 271 273 265 262 269 278 277 274 273 272 274	273 269 265 264 263 262 249 250 262 265 268 268 268 253 254 259	275 274 270 267 266 268 259 255 266 271 272 271 268 259 269
12 13 14 15 16 17 18 19 20 21 22				264 254 267 265 272 271 269 267 356 386 	245 245 253 259 260 263 260 257 257 329 	256 251 261 265 267 263 291 365 	247 250 252 234 210 211 231 233 236 238 236 238 236 238 238 238 243 238 243	235 219 233 180 189 193 204 220 225 227 220 224 225 227 220 224 225 227 232	240 237 244 200 203 201 215 225 230 232 230 230 235 232 237 240	278 280 274 271 273 265 265 269 278 277 274 273 272 272 274 280	273 269 265 264 263 262 249 250 262 265 268 268 268 268 268 253 254 259 270	275 274 270 267 266 268 259 255 266 271 272 271 268 259 268 259 269 275
12 13 14 15 16 17 18 19 20 21				264 254 267 265 271 269 267 356 386 	245 245 253 259 260 263 260 257 257 329 	256 251 261 265 267 263 263 291 365 	247 250 252 234 210 211 231 233 236 238 236 243 238 238 240	235 219 233 180 193 204 220 225 227 220 224 225 227 220 224 225 227 232	240 237 244 200 203 201 215 225 230 232 230 230 230 235 232 237	278 280 274 271 273 265 262 269 278 277 274 273 272 274	273 269 265 264 263 262 249 250 262 265 268 268 268 253 254 259	275 274 270 267 266 268 259 255 266 271 272 271 268 259 269
12 13 14 15 16 17 18 19 20 21 22 23				264 254 267 265 272 271 269 267 356 386 206	245 245 253 259 260 263 260 257 257 329 165	256 251 261 265 267 263 291 365 192	247 250 252 234 210 211 231 233 236 238 236 243 238 236 243 238 240 248 245	235 219 233 180 193 204 220 225 227 220 224 225 227 220 224 225 227 232 236 232	240 237 244 200 201 215 225 230 232 230 232 230 235 232 237 240 239	278 280 274 271 273 265 262 269 278 277 274 273 272 274 273 272 274 280 285	273 269 265 264 263 262 249 250 262 265 268 268 268 253 254 259 275	275 274 270 267 268 259 255 266 271 272 271 268 259 269 269 275 279
12 13 14 15 16 17 18 19 20 21 22 23 24 25				264 254 267 265 271 269 267 356 386 206 216 227	245 245 253 259 260 263 260 257 257 329 165 206 214	256 251 261 265 267 263 291 365 192 212 220	247 250 252 234 210 211 231 233 236 238 236 243 243 243 240 248 245 244 245	235 219 233 180 189 193 204 220 225 227 220 224 225 227 220 224 225 227 236 232 236 232 234 237	240 237 244 200 201 215 225 230 232 230 232 230 235 232 237 240 239 239 239 244	278 280 274 271 273 265 262 269 278 277 274 273 277 274 273 272 274 280 285 284 229	273 269 265 264 263 262 249 250 262 265 268 268 253 254 259 270 275 224 209	275 274 270 267 268 259 255 266 271 272 271 268 259 269 275 279 279 270 219
12 13 14 15 16 17 18 19 20 21 22 23 24				264 254 267 265 271 269 267 356 386 206 216	245 245 253 259 260 263 260 257 257 329 165 206	256 251 261 265 267 263 291 365 192 212	247 250 252 234 210 211 231 233 236 243 238 236 243 238 240 248 245 244	235 219 233 180 189 193 204 220 225 227 220 224 225 227 232 236 232 234	240 237 244 200 203 201 215 225 230 232 230 230 230 230 235 232 237 240 239 239	278 280 274 271 273 265 262 269 278 277 274 273 274 273 272 274 285 284	273 269 265 264 263 262 249 250 262 265 268 268 253 254 259 270 275 224	275 274 270 267 268 259 255 266 271 272 271 268 259 269 275 279 270
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	 279 277 276	 	 270 264	264 254 267 265 271 269 267 356 386 206 216 227 229 237 239	245 245 253 259 260 263 260 257 257 329 165 206 214 221 229 232	256 251 261 265 267 263 291 365 192 212 220 226 234 236	247 250 252 234 210 211 231 233 236 238 236 238 238 243 238 243 243 248 245 244 245 244 246 261 256 269	235 219 233 180 189 193 204 220 225 227 220 224 225 227 220 224 225 227 236 232 236 232 234 237 244 249 255	240 237 244 200 201 215 225 230 232 230 232 230 235 232 237 240 239 239 244 251 254 261	278 280 274 271 273 265 269 278 277 274 273 277 274 280 285 284 229 252 280 283	273 269 265 264 263 262 249 250 262 265 268 268 268 253 254 259 270 275 224 209 229 229 252 272	275 274 270 267 268 259 255 266 271 272 271 268 259 269 275 279 270 219 245 266 276
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	 2779 2777 2776 	 260 263 255 	 270 270 264 	264 254 267 265 271 269 267 356 386 206 216 227 229 237 239 245	245 245 253 259 260 263 260 257 257 329 165 206 214 221 229 232 227	256 251 261 265 267 263 291 365 192 212 220 226 234 234	247 250 252 234 210 211 231 233 236 238 236 243 238 236 243 248 244 245 244 245 244 245 244 245 244 245 245	235 219 233 180 193 204 220 225 227 220 224 225 227 232 236 232 234 237 232 234 237 244 249 255 261	240 237 244 200 201 215 225 230 232 230 232 230 232 232 237 240 239 239 244 251 254 254 265	278 280 274 271 273 265 262 269 278 277 274 273 272 274 280 285 284 229 252 280 285 284 229	273 269 265 264 262 249 250 262 265 268 268 253 254 259 275 224 209 275 224 209 252 275	275 274 270 267 266 255 266 271 272 271 268 259 269 275 279 270 219 245 266 279 279
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	 279 277 276	 	 270 264	264 254 267 265 271 269 267 356 386 206 216 227 229 237 239	245 245 253 259 260 263 260 257 257 329 165 206 214 221 229 232	256 251 261 265 267 263 291 365 192 212 220 226 234 236	247 250 252 234 210 211 231 233 236 238 236 238 238 243 238 243 243 248 245 244 245 244 246 261 256 269	235 219 233 180 189 193 204 220 225 227 220 224 225 227 220 224 225 227 236 232 236 232 234 237 244 249 255	240 237 244 200 201 215 225 230 232 230 232 230 235 232 237 240 239 239 244 251 254 261	278 280 274 271 273 265 269 278 277 274 273 277 274 280 285 284 229 252 280 283	273 269 265 264 263 262 249 250 262 265 268 268 268 253 254 259 270 275 224 209 229 229 252 272	275 274 270 267 268 259 255 266 271 272 271 268 259 269 275 279 270 219 245 266 276
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	 2779 2777 2776 	 260 263 255 	 270 270 264 	264 257 265 272 271 269 267 356 386 206 216 227 229 237 239 245 241	245 245 253 259 260 263 260 257 257 329 165 206 214 229 232 227 232	256 251 261 265 267 263 291 365 192 212 220 226 234 234 237	247 250 252 234 210 211 231 233 236 238 236 238 236 238 236 243 238 244 245 244 246 269 256 269 276	235 219 233 180 189 193 204 225 227 220 224 225 227 232 236 232 234 237 244 249 255 261 263	240 237 244 200 203 201 215 225 230 230 230 230 230 235 232 237 240 239 244 251 254 254 265 266	278 280 274 271 273 265 262 269 278 277 274 274 273 272 274 280 285 284 229 252 280 283 283 283	273 269 265 264 263 262 249 250 262 265 268 268 268 268 268 253 254 259 270 275 224 209 252 272 275 278	275 274 270 267 268 259 255 266 271 272 271 268 259 279 275 279 275 279 275 279 275 279 275 279 275 279 275 279 275 279 270 219

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		2	SEPTEMBE	R
1 2 3 4 5	288 286 287 279 284	276 276 277 273 275	283 280 282 277 279	314 308 292 288 290	298 244 264 266 268	304 299 282 279 280	392 387 384 394 391	373 360 369 371 359	381 372 377 381 370	383 365 369 371 387	354 360 359 365 321	360 363 363 368 360
6 7 8 9 10	287 292 294 291 303	278 279 281 276 283	283 286 288 285 296	312 333 314 330 321	287 307 304 311 316	299 312 306 316 319	378 386 392 368 379	353 350 359 359 362	365 359 368 364 367	333 273 286 296 285	211 214 272 259 232	245 237 278 286 256
11 12 13 14 15	308 305 300 298 298	298 296 292 289 265	302 300 296 294 278	351 325 331 324 343	320 312 315 319 318	325 317 318 322 322	365 376 365 367 385	359 355 356 342 299	362 361 359 358 338	267 306 328 353 345	236 267 306 328 324	251 287 318 344 336
16 17 18 19 20	278 288 290 295 292	267 273 287 286 282	273 280 289 290 288	329 340 348 348 368	319 321 329 332 331	323 328 333 339 347	338 342 333 345 371	311 333 324 331 343	324 338 329 337 349	326 	144 	221
21 22 23 24 25	294 292 297 299 296	284 287 289 291 289	288 290 292 295 293	355 346 362 352 358	293 322 334 339 343	311 337 343 347 348	359 358 349 342 343	352 349 337 326 326	356 353 345 334 334	264 261 277 277	246 242 261 255	252 252 271 261
26 27 28 29 30 31	299 302 311 315 310 	293 295 299 303 298	295 300 304 309 306 	352 358 471 439 385 383	337 341 344 360 358 363	343 347 394 387 367 371	359 363	204 345	283 354	261 260 285 290 288 	253 249 249 282 199 	258 255 270 287 243
MONTH	315	265	290	471	244	328	394	204	353	387	144	289

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	OVEMBER		I	ECEMBER			JANUARY	
1 2 3 4 5	7.8 7.8 7.8 7.6 7.7	7.4 7.4 7.5 7.5 7.5	7.6 7.6 7.5 7.6	7.5 7.6 7.7 7.9	7.2 7.2 7.3 7.3	7.3 7.4 7.5 7.6	 	 	 	 	 	
6 7 8 9 10	7.7 7.8 7.6 7.4 7.4	7.5 7.4 7.2 7.2 7.2	7.6 7.6 7.5 7.3 7.3	 7.5	 6.9	 7.2	 	 	 	 	 	
11 12 13 14 15	7.4 7.4 7.5 7.6 7.6	7.4 7.3 7.4 7.4 7.5	7.4 7.4 7.4 7.5 7.5	7.4 7.4 7.5 7.5 7.6	7.2 7.1 7.2 7.2 7.2 7.2	7.3 7.2 7.3 7.3 7.4	 	 	 	 	 	
16 17 18 19 20	7.6 7.6 7.6 7.7 8.2	7.5 7.5 7.5 7.4 7.4	7.5 7.5 7.5 7.5 7.5 7.7	7.7 7.8 7.8 8.0 7.9	7.2 6.8 7.0 7.2 7.2	7.5 7.5 7.5 7.5 7.5 7.5	 	 	 	 	 	
21 22 23 24 25	8.0 8.0 8.1 8.1 8.1	7.6 7.5 7.5 7.5 7.4	7.8 7.7 7.7 7.7 7.7	8.0 8.1 8.2 7.9 8.1	7.2 7.2 7.2 7.4 7.1	7.5 7.6 7.6 7.6 7.6	 	 	 	 	 	
26 27 28 29 30 31	7.9 7.8 7.7 7.7 7.5 7.5	7.1 7.3 7.2 7.2 7.2 7.1	7.5 7.5 7.4 7.4 7.3 7.3	7.8 7.1 7.2 7.2 7.4	6.5 6.8 6.9 7.0 7.1	7.4 7.0 7.0 7.1 7.2	 	 	 	 	 	
MONTH	8.2	7.1	7.5	8.2	6.5	7.4						

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUAR	Y		MARCH			APRIL			MAY	
1 2							8.7 8.9	7.7 7.5	8.1 8.2	7.7 7.7	7.4 7.4	7.5 7.5
3							8.9	7.6 7.8	8.3	7.5 7.6	7.4 7.4	7.4
5							8.6	7.5	8.1	7.7	7.4	7.5
6 7							8.6 8.6	7.5 7.6	8.1 8.1	7.6 7.4	7.4 7.3	7.4 7.4
8							8.6	7.5	8.2	7.6	7.4	7.4
9 10							8.4 7.6	7.5 7.4	7.8 7.5	7.6 7.6	7.3 7.4	7.4 7.5
11							7.5	7.3	7.4	7.6	7.4	7.5
12 13							7.6 8.0	7.4 7.4	7.5 7.7	7.7 7.5	7.4 7.3	7.5 7.4
14 15							8.3 8.3	7.5 7.5	7.8 7.9	7.5 7.7	7.3 7.4	7.4 7.5
16							7.9	7.5	7.6	7.7	7.4	7.6
17							8.3	7.4	7.8	7.8	7.5	7.6
18 19							8.3 8.3	7.6 7.6	7.9 8.0	7.7 7.5	7.4 7.3	7.6 7.4
20							8.1	7.6	7.8	7.7	7.3	7.5
21 22							8.1 8.1	7.5 7.6	7.8 7.8	7.7 7.7	7.4 7.4	7.5 7.5
23				7.6	7.4	7.5	7.9	7.4	7.5	7.5	7.4	7.4
24 25				7.8 7.9	7.5 7.5	7.6 7.7	7.7 7.7	7.3 7.4	7.5 7.5	7.5 7.5	7.4 7.3	7.4 7.4
26				8.0	7.5	7.8	7.6	7.4	7.5	7.6	7.4	7.5
27 28				8.2 8.2	7.6 7.6	7.8 7.9	7.6 7.6	7.4 7.4	7.5 7.5	7.7 7.7	7.4 7.4	7.5 7.5
29				8.6	7.6	8.1	7.6	7.4	7.5	7.7	7.4	7.5
30 31				8.9 8.8	7.7 7.7	8.3 8.3	7.6	7.4	7.5	7.7 7.7	7.4 7.3	7.5 7.5
MONTH				8.9	7.4	7.9	8.9	7.3	7.8	7.8	7.3	7.5
DAY	MAY	MIN	MEAN	MAY	MIN	ΜΕΛΝ	MAY	MIN	MEAN	MAY	MIN	ΜΕΛΝ
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		2	SEPTEMBE	R
1 2	7.8 7.9	JUNE 7.3 7.3	7.5 7.6	7.5 7.7	JULY 7.2 7.2	7.4 7.4	8.2 8.3	AUGUST 7.4 7.4	7.7 7.8	8.1 8.3	7.5 7.7	R 7.8 7.9
1 2 3 4	7.8 7.9 7.8 8.1	JUNE 7.3 7.4 7.4 7.4	7.5 7.6 7.5 7.6	7.5 7.7 7.6 7.6	JULY 7.2 7.2 7.2 7.2 7.2	7.4 7.4 7.4 7.4 7.4	8.2 8.3 8.4 8.2	AUGUST 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8	8.1 8.3 8.5 8.4	7.5 7.7 7.7 7.7 7.7 7.7	R 7.8 7.9 8.0 8.0
1 2 3	7.8 7.9 7.8	JUNE 7.3 7.3 7.4	7.5 7.6 7.5	7.5 7.7 7.6	JULY 7.2 7.2 7.2	7.4 7.4 7.4	8.2 8.3 8.4	AUGUST 7.4 7.4 7.4 7.4	7.7 7.8 7.8	8.1 8.3 8.5	7.5 7.7 7.7 7.7	R 7.8 7.9 8.0
1 2 3 4 5 6	7.8 7.9 7.8 8.1 8.2 8.5	JUNE 7.3 7.4 7.4 7.4 7.4 7.5	7.5 7.6 7.5 7.6 7.8 7.9	7.5 7.7 7.6 7.6 7.6 7.6	JULY 7.2 7.2 7.2 7.2 7.2 7.2	7.4 7.4 7.4 7.3 7.3	8.2 8.3 8.4 8.2 8.4 8.4	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.8 7.8	8.1 8.3 8.5 8.4 8.2 7.7	7.5 7.7 7.7 7.7 7.7 7.6 7.4	R 7.8 7.9 8.0 8.0 7.8 7.5
1 2 3 4 5 6 7 8	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7	JUNE 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5	7.5 7.6 7.5 7.8 7.9 8.0 8.0	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.8	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.4 7.4 7.4 7.3 7.3 7.3 7.5	8.2 8.3 8.4 8.2 8.4 8.4 8.4 7.9	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.4	7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.6	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7	7.5 7.7 7.7 7.7 7.6 7.4 7.4 7.4 7.4	R 7.8 7.9 8.0 8.0 7.8 7.5 7.4 7.5
1 2 3 4 5 6 7	7.8 7.9 7.8 8.1 8.2 8.5 8.6	JUNE 7.3 7.4 7.4 7.4 7.5 7.5	7.5 7.6 7.5 7.8 7.9 8.0	7.5 7.7 7.6 7.6 7.6 7.6 7.6	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.4 7.4 7.4 7.3 7.3 7.3 7.4	8.2 8.3 8.4 8.2 8.4 8.4 8.4	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5	7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8	8.1 8.3 8.5 8.4 8.2 7.7 7.5	7.5 7.7 7.7 7.7 7.6 7.4 7.3	R 7.8 7.9 8.0 8.0 7.8 7.5 7.4
1 2 3 4 5 6 7 8 9 10 11	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.7 8.1 8.1 8.6	JUNE 7.3 7.4 7.4 7.4 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 7.6 7.5 7.8 7.9 8.0 8.0 8.0 7.7 7.9	7.5 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3 7.3	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.5 7.4 7.5	8.2 8.3 8.4 8.2 8.4 8.4 8.4 8.5 7.9 8.1 8.2	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.6 7.7	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.3 7.4 7.5 7.4 7.5 7.4 7.4	R 7.8 7.9 8.0 8.0 7.8 7.5 7.4 7.5 7.5 7.5 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.1 8.6 8.3	JUNE 7.3 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	7.5 7.6 7.5 7.6 7.8 7.9 8.0 8.0 8.0 7.7 7.9 8.0	7.5 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8 7.9 7.6	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3 7.4	7.4 7.4 7.4 7.3 7.3 7.3 7.4 7.5 7.5 7.4 7.5 7.5	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.2 8.3	AUGUST 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	7.7 7.8 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.7 7.7 7.8	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.8	SEPTEMBE 7.5 7.7 7.7 7.6 7.4 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.5 7.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.1 8.6 8.3 8.0 8.0	JUNE 7.3 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	7.5 7.6 7.5 7.8 7.9 8.0 8.0 8.0 7.7 7.9 8.0 7.7	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8 7.9 7.9 7.9 7.9	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3 7.4 7.4 7.5	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.6	8.2 8.3 8.4 8.2 8.4 8.4 8.4 8.5 7.9 8.1 8.2 8.2 8.3 8.1 7.7	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.6 7.7 7.7 7.8 7.7 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.8 7.6 7.8 7.9 8.0	3EPTEMBE 7.5 7.7 7.7 7.6 7.4 7.4 7.4 7.5 7.4 7.5 7.4 7.4 7.5 7.4 7.5 7.4	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.7 8.1 8.6 8.3 8.0 8.0 7.9	JUNE 7.3 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	7.5 7.6 7.5 7.6 7.8 7.9 8.0 8.0 8.0 7.7 7.9 8.0 7.7 7.8 7.7 7.6	7.5 7.7 7.6 7.6 7.6 7.6 7.6 7.9 7.6 7.8 7.9 7.6 7.8 7.7 7.9 7.9 8.1	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	$\begin{array}{c} 7.4\\ 7.4\\ 7.4\\ 7.3\\ 7.3\\ 7.3\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.5\\ 7.6\\ 7.6\\ 7.6\\ 7.6\\ 7.6\\ 7.7\end{array}$	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.6 7.6 7.6 7.7 7.7 7.8 7.7 7.5 7.4	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.8 7.6 7.8 7.9 8.0 7.8	EPTEMBE 7.5 7.7 7.7 7.6 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.6 7.7 7.6	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.5 7.5 7.5 7.5 7.7 7.8 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.9 7.8	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.8 7.9 8.0 8.0 8.0 7.7 7.9 8.0 7.7 7.9 8.0 7.8 7.7 7.6 7.5	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.9 7.6 7.8 7.9 7.6 7.8 7.7 7.9 8.1 8.2 8.2	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.4	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.4 7.5 7.5 7.4 7.5 7.6 7.7 7.7	8.2 8.3 8.4 8.2 8.4 8.4 8.4 8.5 7.9 8.1 8.2 8.2 8.3 8.1 7.7	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.6 7.7 7.7 7.8 7.7 7.8 7.7 7.4 7.5 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.8 7.9 8.0 7.8 7.6 7.8	3EPTEMBE 7.5 7.7 7.7 7.6 7.4 7.4 7.4 7.5 7.4 7.5 7.4 7.4 7.5 7.4 7.5 7.4	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 8.0 7.9 7.9 7.8 7.8	JUNE 7.3 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	7.5 7.6 7.5 7.6 7.8 7.9 8.0 8.0 8.0 8.0 7.7 7.9 8.0 7.7 7.6 7.6 7.5	7.5 7.7 7.6 7.6 7.6 7.6 7.6 7.8 7.9 7.9 7.9 7.9 7.9 7.9 8.1 8.2 8.1	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.4 7.4 7.4 7.3 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.6 7.7 7.7 7.7	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.1 8.2 8.3 8.1 7.7 7.6 7.7 8.0	AUGUST 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 7.3 7.3 7.3 7.3 7.3 7.3	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.9 7.6 7.7 7.6 7.7 7.5 7.4 7.5 7.6	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.5 7.7 7.8 7.6 7.8 7.6 7.8 7.9 8.0 7.8 7.8 7.9 8.0 7.8	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.6 7.7 7.6 7.7 7.6 7.1 	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.8 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.9 7.8	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.8 7.9 8.0 8.0 8.0 7.7 7.9 8.0 7.7 7.9 8.0 7.8 7.7 7.6 7.5	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.9 7.6 7.8 7.9 7.6 7.8 7.7 7.9 8.1 8.2 8.2	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.3 7.3 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.4	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.4 7.5 7.5 7.4 7.5 7.6 7.7 7.7	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.9	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.6 7.7 7.7 7.8 7.7 7.8 7.7 7.4 7.5 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.7 7.8 7.6 7.6 7.8 7.9 8.0 7.8 7.6 7.8	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.7 7.7 7.6 7.1 	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.8 7.7 7.7 7.4
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 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.9 7.8 7.9 7.8 7.7	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.8 7.9 8.0 8.0 7.7 7.9 8.0 8.0 7.7 7.6 7.5 7.7 7.6 7.5 7.7 7.6 7.5	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8 7.7 7.9 7.9 8.1 8.2 8.2 8.1 8.2 7.6 7.6	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.5 7.6 7.7 7.7 7.7 7.6 7.5 7.6 7.7 7.7 7.6 7.5 7.4	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 8.0 8.2 7.7 7.8	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.9 7.6 7.6 7.7 7.6 7.7 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.5 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9	3EPTEMBE 7.5 7.7 7.7 7.6 7.4 7.4 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.6 7.1 	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.8 7.7 7.8 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.9 7.8 7.8 7.9 7.8 7.8 7.9 7.8 7.7	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.3 7.4 7.5 7.3 7.4 7.5 7.4 7.5 7.4 7.5	7.5 7.6 7.6 7.8 7.9 8.0 8.0 8.0 8.0 7.7 7.9 8.0 8.0 7.7 7.6 7.5 7.5 7.5	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.9 7.9 7.9 7.9 8.1 8.2 8.1 8.2 8.1 8.2 7.6 7.6 7.6 7.7 7.9	JULY 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.2 7.3	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.4 7.5 7.6 7.7 7.7 7.6 7.6 7.6 7.5 7.4 7.5 7.6 7.5 7.6 7.7 7.6 7.6 7.7 7.6 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.7 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 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.7 7.7 7.6 7.6 7.5 7.6 7.7 7.7 7.6	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 7.9 8.0 8.2 7.7 7.8 7.9 8.1	AUGUST 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 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.5	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.7 7.8 7.7 7.6 7.7 7.4 7.5 7.6 7.5 7.6 7.5 7.5 7.5 7.5 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.6 7.6 7.6 7.8 7.6 7.8 7.9 8.0 7.8 7.6 7.8 7.6 7.7 7.7	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.6 7.1 7.6 7.1	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.8 7.7 7.4 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.8	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.8 7.9 8.0 8.0 7.7 7.9 8.0 7.7 7.9 8.0 7.7 7.6 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.7 7.6 7.6 7.6 7.7 7.9 7.9 7.9 7.9 8.1 8.2 8.1 8.2 8.1 8.2 7.6 7.6 7.7	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.4 7.3	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.6 7.5 7.4 7.5 7.4 7.5 7.5 7.4 7.5 7.5 7.4 7.5 7.5 7.6 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.5 7.7 7.7 7.7 7.7 7.5 7.7 7.7 7.7 7.5 7.7 7.7 7.7 7.7 7.7 7.5 7.7 7.7 7.7 7.7 7.7 7.5 7.7 7.7 7.5 7.7 7.7 7.7 7.5 7.7 7.7 7.5 7.7 7.5 7.7 7.7 7.5 7.7 7.7 7.5 7.7 7.7 7.5 7.7 7.7 7.5 7.5 7.7 7.7 7.5 7.5 7.7 7.7 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.7 7.5 7.5 7.7 7.5	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 7.9 8.0 8.2 7.7 7.8 7.9	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.7 7.7 7.7 7.7 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.8 7.6 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.6 7.8 7.9 8.0 7.8	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.4 7.5 7.6 7.4 7.5 7.4 7.5 7.6 7.7 7.7 7.6 7.1 7.6	R 7.8 7.9 8.0 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.5 7.6 7.7 7.7 7.7 7.4 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	7.8 7.9 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.9 7.8 7.9 7.8 7.7 8.0 7.7 8.0 7.7	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.8 7.9 8.0 8.0 7.7 7.9 8.0 8.0 7.7 7.6 7.5 7.7 7.6 7.5 7.7 5 7.5	7.5 7.7 7.6 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8 7.7 7.9 7.9 8.1 8.2 8.2 8.1 8.2 8.1 8.2 7.6 7.7 7.9 7.9	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.5 7.6 7.7 7.6 7.5 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.7 7.6 7.5 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.6 7.5	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 8.0 8.2 7.7 7.8 8.2 7.7 7.8 8.1 8.1	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.9 7.6 7.7 7.7 7.6 7.7 7.5 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.6 7.6 7.8 7.9 8.0 7.8 7.6 7.9 8.0 7.8 7.6 7.9 8.0 7.8 7.5 7.7 7.8	SEPTEMBE 7.5 7.7 7.7 7.6 7.4 7.4 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.6 7.1 7.6 7.1 7.7 7.7	R 7.8 7.9 8.0 7.8 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.8 7.7 7.8 7.7
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	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.8 7.8 7.8 7.8 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.6 7.8 7.9 8.0 8.0 7.7 7.9 8.0 7.7 7.9 8.0 7.7 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.7 7.6 7.6 7.6 7.7 7.9 7.9 7.9 8.1 8.2 8.1 8.2 8.1 8.2 7.6 7.6 7.7 7.9 8.1 8.2 8.2 8.1 8.2 7.6 7.8 7.7 8.1 8.2 8.2 8.2 8.0 8.2	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 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 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.4 7.5 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.4 7.5 7.5 7.6 7.7 7.7 7.7 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.5 7.6 7.7 7.5 7.6 7.5 7.6 7.7 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.5 7.6 7.7 7.5 7.6 7.6	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 7.9 8.0 8.2 7.7 7.8 7.9 8.1 8.1 8.1 8.1 8.1 8.1 8.1	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.7 7.7 7.7 7.7 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.7	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	SEPTEMBE 7.5 7.7 7.7 7.6 7.4 7.4 7.5 7.4 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.6 7.1 7.6 7.7 7.7 7.7 7.7 7.7	R 7.8 7.9 8.0 7.5 7.4 7.5 7.5 7.6 7.5 7.5 7.6 7.7 7.7 7.7 7.7 7.4 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 23 24 25 26 27 28 29	7.8 7.9 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.9 7.8 7.7 8.0 7.7 8.0 7.7 8.0 7.7	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.6 7.8 7.9 8.0 8.0 7.7 7.6 8.0 7.7 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.7 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8 7.7 9 7.9 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.0 8.0 8.3 8.3	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.7 7.6 7.5 7.6 7.7 7.6 7.5 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 7.7 7.6 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.6 7.6 7.7 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 7.6 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 7.7 7.6 7.6 7.7 7.7 7.6 7.7 7.6 7.6 7.7 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 7.7 7.7 7.6 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.7 7.6 7.6 7.7 7.7 7.7 7.7 7.7 7.6 7.7	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 8.0 8.2 7.7 7.8 8.1 8.1 8.1 8.1 8.1 8.1 8.1	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.6 7.7 7.6 7.7 7.5 7.5 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.7 7.7	8.1 8.3 8.5 8.4 8.2 7.7 7.8 7.6 7.9 8.0 7.8 7.6 7.9 8.0 7.8 7.6 7.7 7.8 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.8	SEPTEMBE 7.5 7.7 7.7 7.6 7.4 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.6 7.7 7.7 7.7 7.7 7.7 7.7	R 7.8 7.9 8.0 7.8 7.5 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.8 7.7 7.4 7.6 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 23 24 25 26 27 28	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.9 7.8 7.8 7.9 7.8 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.5 8.0 7.5 8.0 7.5 8.0 7.5 8.0 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	JUNE 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 7.5 7.5 7.5 7.3 7.4 7.5 7.3 7.4 7.5 7.4 7.5 7.4 7.2 7.2 7.2 7.2 7.3	7.5 7.6 7.6 7.8 7.9 8.0 8.0 7.7 7.9 8.0 7.7 7.9 8.0 7.7 7.5	7.5 7.7 7.6 7.6 7.6 7.7 7.8 7.9 7.6 7.8 7.9 7.6 7.8 7.9 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.0 8.0 8.2 8.3	JULY 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 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 7.4 7.4 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.7 7.7 7.6 7.7 7.7 7.7 7.7 7.6 7.6 7.6 7.6 7.6 7.7 7.7 7.7	8.2 8.3 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.3 8.1 7.7 7.6 7.7 7.9 8.0 8.2 7.7 7.8 7.9 8.1 8.2 7.7 7.8 7.9 8.1 8.2 8.2 8.2 8.3 8.1 8.2 8.3 8.1 8.2 8.3 8.1 8.2 8.2 8.3 8.1 8.2 8.2 8.2 8.3 8.1 8.2 8.2 8.3 8.1 8.2 8.2 8.2 8.3 8.1 8.2 8.2 8.3 8.1 8.2 8.3 8.1 8.2 8.2 8.3 8.1 8.2 8.3 8.1 7.9 8.2 8.3 8.1 7.7 7.6 7.9 8.0 8.2 8.1 8.2 8.3 8.1 7.7 7.6 8.2 8.2 8.3 8.1 7.7 7.7 7.6 8.2 7.7 7.7 8.0 8.2 8.2 8.2 8.3 8.1 7.7 7.7 7.6 8.2 8.2 8.2 8.2 8.3 8.1 7.7 7.7 7.7 8.0 8.2 8.2 8.2 8.2 8.3 8.1 7.7 7.7 7.7 8.0 8.2 7.7 7.7 7.7 7.7 7.7 7.7 8.1 8.2 8.2 8.1 8.2 8.2 8.1 8.2 8.2 8.1 8.2 7.7 7.7 7.7 7.7 8.0 8.2 7.7 7.7 7.7 7.7 8.0 8.1 8.1 8.1 8.2 7.7 7.7 7.7 7.7 7.7 7.7 8.1 8.1 8.2 7.7 7.7 7.7 7.7 8.1 8.1 8.1 8.2 7.7 7.7 7.7 7.9 8.1 8.1 8.1 8.1 8.1 8.1 8.2 7.7 7.7 7.7 7.9 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.7 7.7 7.7 7.7 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.5 7.6 7.7 7.7	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.8 7.6 7.6 7.8 7.6 7.8 7.6 7.8 7.9 8.0 7.8 7.6 7.8 7.6 7.8 7.9 8.0 7.8 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.7 7.6 7.1 7.6 7.7 7.7 7.7 7.7 7.6 7.7 7.7	R 7.8 7.9 8.0 7.5 7.4 7.5 7.6 7.5 7.6 7.5 7.6 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 23 24 25 26 27 28 29 30	7.8 7.9 7.8 8.1 8.2 8.5 8.6 8.7 8.1 8.6 8.3 8.0 7.9 7.8 7.8 7.9 7.8 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 8.0 7.7 7.7 8.0 7.7 7.7 8.0 7.7 7.7 7.7 7.7	JUNE 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.6 7.6 7.8 7.9 8.00 7.7 9.0 8.00 7.7 7.9 8.00 7.7 7.6 7.5 7	7.5 7.7 7.6 7.6 7.6 7.7 7.9 7.6 7.8 7.7 7.9 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.2 8.1 8.2 8.2 8.3 8.3 8.3	JULY 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.3 7.3 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4	7.4 7.4 7.4 7.3 7.3 7.4 7.5 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.5 7.6 7.7 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.7 7.7 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7	8.2 8.3 8.4 8.2 8.4 8.4 8.5 7.9 8.1 8.2 8.3 8.1 7.7 7.6 7.7 7.9 8.0 8.2 7.7 7.8 7.9 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 7.7 7.6 7.9 8.1 8.2 7.7 7.6 7.9 8.1 8.2 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.4 8.2 8.2 8.4 8.2 8.2 8.4 8.2 8.2 8.3 8.1 7.7 7.6 8.0 8.0 8.1 8.2 8.1 8.2 8.3 8.1 8.2 8.3 8.1 8.1 7.7 7.6 8.0 8.2 8.1 8.2 8.3 8.1 8.1 8.2 8.3 8.1 7.7 7.6 8.1 8.2 8.1 8.1 8.2 8.1 8.1 8.2 8.3 8.1 7.7 7.6 8.1 8.2 8.1 8.2 8.1 8.1 8.2 8.1 8.1 8.1 8.2 8.1 8.1 8.2 8.1 8.1 7.7 7.6 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.1 8.2 8.1 8.1 8.1 7.7 7.6 8.1 8.1 8.2 7.7 7.7 7.7 8.0 8.1 8.1 8.1 8.1 8.1 7.7 7.7 7.5 8.1 8.1 8.1 8.1 7.7 7.7 7.5 8.1 8.1 8.1 8.1 7.7 7.7 7.5 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	AUGUST 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	7.7 7.8 7.8 7.8 7.8 7.9 7.6 7.7 7.7 7.7 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.7 7.7	8.1 8.3 8.5 8.4 8.2 7.7 7.5 7.7 7.7 7.8 7.6 7.6 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 8.0 7.8 7.9 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	SEPTEMBE 7.5 7.7 7.7 7.7 7.6 7.4 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.4 7.5 7.6 7.7 7.7 7.6 7.7 7.7 7.7 7.7 7.7 7.5	R 7.8 7.9 8.0 7.5 7.4 7.5 7.5 7.6 7.5 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	t i i i i i i i i i i i i i i i i i i i
1 2	20.5 18.0	18.0 16.0	19.0 17.0	11.0 11.0	9.0 9.5	10.0 10.0						
3	16.0	14.5	15.5	10.0	9.0	9.5						
4 5	14.5 15.5	14.0 13.5	14.0 14.5	9.5	8.0	9.0						
6	16.0	14.0	15.0									
7 8	16.0 17.0	15.0 15.5	15.5 16.5									
9 10	17.0 16.5	16.5 16.0	17.0 16.5	9.5	8.0	8.5						
	17.0	15.5	16.0		9.5	10.5						
11 12	16.5	15.5	16.0	11.5 10.5	9.0	9.5						
13 14	17.5 18.0	16.0 16.5	16.5 17.0	9.0 8.5	8.0 7.0	8.5 8.0						
15	16.5	14.5	15.5	9.5	7.5	8.5						
16	15.0	13.0	14.0	9.0	7.5	8.5						
17 18	14.5 15.0	12.5 12.5	13.5 14.0	9.5 9.5	8.0 8.5	9.0 9.0						
19	16.5	14.5	15.5	8.5	7.5	8.0						
20	15.5	14.0	15.0	9.5	8.0	9.0						
21 22	14.5 13.0	13.0 11.0	13.5 12.0	9.5 8.5	8.5 7.5	8.5 8.0						
23 24	11.5 12.0	9.5 9.5	10.5 11.0	8.0 8.5	6.0 7.0	7.0 7.5						
25	12.5	10.0	11.5	8.0	6.5	7.0						
26	12.5	10.5	12.0	9.0	7.0	8.0						
27	13.0	12.0	12.5	9.5	8.5	9.0						
28 29	13.5 13.5	12.5 12.5	13.0 13.0	9.0 8.5	7.5 7.0	8.0 8.0						
30 31	12.5 11.5	11.0 9.5	11.5 10.5	8.5	7.5	8.0						
MONTH	20.5	9.5	14.3	11.5	6.0	8.6						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN FEBRUAR		МАХ	MIN MARCH	MEAN	MAX	MIN APRIL	MEAN	MAX	MIN MAY	MEAN
DAY 1	MAX			MAX 6.5		MEAN 6.0	MAX 12.0		MEAN 11.5	MAX 16.5		MEAN 15.5
1 2		FEBRUAR	¥ 	6.5 6.5	MARCH 6.0 4.5	6.0 6.0	12.0 13.5	APRIL 11.0 11.0	11.5 12.5	16.5 16.5	MAY 14.5 14.5	15.5 15.5
1 2 3 4		FEBRUAR	¥ 	6.5 6.5 9.0 9.0	MARCH 6.0 4.5 5.5 6.0	6.0	12.0	APRIL 11.0 11.0 12.5 13.5	11.5	16.5	MAY 14.5	15.5 15.5 14.5 14.5
1 2 3		FEBRUAR	¥ 	6.5 6.5 9.0	MARCH 6.0 4.5 5.5	6.0 6.0 7.0	12.0 13.5 14.5	APRIL 11.0 11.0 12.5	11.5 12.5 13.5	16.5 16.5 16.0	MAY 14.5 14.5 14.0	15.5 15.5 14.5
1 2 3 4 5 6		FEBRUAR	¥ 	6.5 9.0 9.0 6.0 6.0	MARCH 6.0 4.5 5.5 6.0 4.5 5.0	6.0 6.0 7.0 8.0 5.5 5.5	12.0 13.5 14.5 16.0 15.5 14.5	APRIL 11.0 12.5 13.5 13.5 12.0	11.5 12.5 13.5 14.5 14.5 13.0	16.5 16.5 16.0 15.5 18.5 18.5	MAY 14.5 14.0 13.5 15.0 17.0	15.5 15.5 14.5 14.5 16.5 17.5
1 2 3 4 5	 	FEBRUAR 	Y 	6.5 6.5 9.0 9.0 6.0	MARCH 6.0 4.5 5.5 6.0 4.5	6.0 6.0 7.0 8.0 5.5	12.0 13.5 14.5 16.0 15.5	APRIL 11.0 11.0 12.5 13.5 13.5	11.5 12.5 13.5 14.5 14.5	16.5 16.5 16.0 15.5 18.5	MAY 14.5 14.5 14.0 13.5 15.0	15.5 15.5 14.5 14.5 16.5
1 2 3 4 5 6 7 8 9	 	FEBRUAR	¥ 	6.5 9.0 9.0 6.0 6.0 4.0 3.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5	6.0 6.0 7.0 8.0 5.5 5.5 5.0 3.0 3.0	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 12.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5	16.5 16.0 15.5 18.5 18.5 17.0 18.0 19.0	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 16.0 17.0	15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0
1 2 3 4 5 6 7 8 9 10	 	FEBRUAR	¥ 	6.5 9.0 9.0 6.0 6.0 4.0 3.5 5.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5 3.0	6.0 6.0 7.0 8.0 5.5 5.0 3.0 3.0 4.5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 12.5 13.5 12.5 10.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0	16.5 16.0 15.5 18.5 18.5 17.0 18.0 19.0 19.0	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 16.0 17.0 17.0	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0
1 2 3 4 5 6 7 8 9	 	FEBRUAR	¥ 	6.5 9.0 9.0 6.0 6.0 4.0 3.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5	6.0 6.0 7.0 8.0 5.5 5.5 5.0 3.0 3.0	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 12.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0 11.0 10.0	16.5 16.0 15.5 18.5 18.5 17.0 18.0 19.0	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 16.0 17.0	15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0
1 2 3 4 5 6 7 8 9 10 11 12 13		FEBRUAR	¥ -	6.5 9.0 9.0 6.0 4.0 3.5 5.5 5.5 5.0 6.0	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5 3.0 4.0 3.5 3.5	6.0 6.0 7.0 8.0 5.5 5.5 5.0 3.0 4.5 5.0 4.5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5 12.5	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0 11.0 10.0 11.0	16.5 16.0 15.5 18.5 18.5 17.0 18.0 19.0 19.0 19.5 20.0 19.5	MAY 14.5 14.0 13.5 15.0 17.0 16.0 16.0 17.0 17.0 17.0 17.0 17.5 17.0	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.5 19.0 18.5
1 2 3 4 5 6 7 8 9 10 11 12		FEBRUAR	Y 	6.5 9.0 9.0 6.0 4.0 3.5 5.5 5.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5 3.0 4.0 3.5	6.0 6.0 7.0 8.0 5.5 5.5 5.0 3.0 4.5 5.0 4.5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5	APRIL 11.0 12.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0 11.0 10.0	16.5 16.0 15.5 18.5 18.5 17.0 19.0 19.0 19.0 19.5 20.0	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 16.0 17.0 17.0 17.0 17.5	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.0 18.5 19.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16		FEBRUAR	Y -	6.5 9.0 9.0 6.0 6.0 4.0 3.5 5.5 5.5 5.0 6.0 4.5 6.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.5 3.0 4.0 3.5 3.5 2.5 3.5 3.5	6.0 6.0 7.0 8.0 5.5 5.0 3.0 4.5 5.0 4.5 5.0 3.5 5.0 5.0 5.0	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5 12.5 13.5 13.0 12.0	APRIL 11.0 12.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0 10.5 11.0 11.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0 11.0 10.0 11.0 12.0 12.0 11.5	16.5 16.5 16.0 15.5 18.5 18.5 17.0 19.0 19.0 19.0 19.5 20.0 19.5 17.5 17.0 17.0	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 16.0 17.0 17.0 17.0 17.5 17.0 15.5 15.5 15.5	15.5 14.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.0 18.5 19.0 18.5 16.5 16.0 16.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17		FEBRUAR	Y -	6.5 9.0 9.0 6.0 4.0 3.5 5.5 5.5 5.5 5.0 6.0 4.5 6.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5 3.0 4.0 3.5 3.5 2.5 3.5 3.5 3.5 3.5 3.5	6.0 6.0 7.0 8.0 5.5 5.0 3.0 4.5 5.0 4.5 5.0 4.5 5.0 3.5 5.0 3.5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5 12.5 13.0 12.0	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0 10.5 11.0 11.5 10.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0 11.0 11.0 12.0 12.0 11.5 11.5	16.5 16.5 16.0 15.5 18.5 17.0 19.0 19.0 19.0 19.5 20.0 19.5 17.5 17.0 17.0 18.0	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 17.0 17.0 17.0 17.5 17.0 17.5 15.5 15.5 15.5	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.5 19.0 18.5 16.5 16.0 16.5
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUAR	Y	6.5 9.0 9.0 6.0 4.0 3.5 5.5 5.5 5.5 6.0 4.5 6.5 	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.0 2.5 3.0 4.0 3.5 3.5 2.5 3.5 2.5 3.5 	6.0 6.0 7.0 8.0 5.5 5.5 5.0 3.0 4.5 5.0 4.5 5.0 3.5 5.0 3.5 5.0 4.5 5.0 3.5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5 12.5 13.5 13.0 12.0 12.0 12.0 12.0 12.0	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 10.5 10.5 10.0 11.0 11.0 10.5 11.0 10.5	11.5 12.5 13.5 14.5 14.5 14.5 15.0 13.5 15.0 14.5 12.0 11.0 10.0 11.0 12.0 11.5 11.5 11.5 11.5 11.5	16.5 16.0 15.5 18.5 18.5 17.0 19.0 19.0 19.0 19.5 17.5 17.0 17.0 18.0 19.5 17.5 17.0 18.0 19.5 19.5	MAY 14.5 14.5 14.0 13.5 15.0 17.0 17.0 17.0 17.0 17.0 17.5 17.0 17.5 15.5 15.5 15.5 15.5 16.5 18.5 17.0	$15.5 \\ 15.5 \\ 14.5 \\ 14.5 \\ 16.5 \\ 17.0 \\ 18.0 \\ 18.0 \\ 18.5 \\ 16.5 \\ 16.5 \\ 16.0 \\ 16.5 \\ 16.0 \\ 16.5 \\ 18.0 \\ 19.0 \\ 18.5 \\ 18.0 \\ 19.0 \\ 18.5 \\ 18.0 \\ 19.0 \\ 18.5 \\ 18.0 \\ 19.0 \\ 18.5 \\ 18.0 \\ 19.0 \\ 18.5 \\ 18.5 \\ 18.0 \\ 19.0 \\ 18.5 \\ $
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		FEBRUAR	¥	6.5 9.0 9.0 6.0 6.0 4.0 3.5 5.5 5.5 5.5 5.0 6.0 6.0 4.5 6.5 	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.5 3.0 4.0 3.5 3.5 3.5 2.5 3.5 3.5 	6.0 6.0 7.0 8.0 5.5 5.0 3.0 4.5 5.0 4.5 5.0 3.5 5.0 3.5 5.0 3.5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 13.5 13.5 13.0 12.0 12.0 12.0 12.0 12.0 11.5 11.5	APRIL 11.0 12.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0 10.5 10.0 10.0 10.5 10.5 10.5 10.5 10.5 10.5 10.0 10.5	11.5 12.5 13.5 14.5 14.5 13.0 13.5 15.0 14.5 12.0 11.0 12.0 12.0 12.0 11.5 11.5 11.5 11.5 11.5 11.0 10.5	16.5 16.0 15.5 18.5 18.5 18.0 19.0 19.0 19.0 19.5 17.5 17.0 19.5 17.5 17.0 19.5 19.5 19.5 19.5	MAY 14.5 14.0 13.5 15.0 17.0 16.0 17.0 17.0 17.0 17.5 17.0 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.5 16.5 16.0 16.5 16.0 16.5 18.0 16.5 18.0 18.5 18.0 18.5 18.5
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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 26 27 28 29	 	FEBRUAR	Y	6.5 6.5 9.0 9.0 6.0 4.0 3.5 5.5 5.5 5.5 5.0 6.0 4.5 6.5 8.0 9.5 10.0 10.0	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.5 3.0 4.0 3.5 3.5 3.5 2.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	6.0 6.0 7.0 8.05 5.5 5.0 3.0 4.5 5.0 3.0 4.5 5.0 3.5 5.0 5.0 5.0 5.0 5.0 5.0 5.5 5.0 5.0	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5 12.5 13.5 13.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 14.5 14.5 14.5 14.5	APRIL 11.0 12.5 13.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0 10.5	11.5 12.5 13.5 14.5 14.5 14.5 15.0 14.5 12.0 11.0 12.0 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	16.5 16.5 16.0 15.5 18.5 18.5 17.0 19.0 19.0 19.0 19.0 19.5 17.5 17.0 17.0 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5	MAY 14.5 14.0 13.5 15.0 17.0 16.0 17.0 17.0 17.0 17.5 17.0 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.5 19.0 18.5 16.5 16.5 16.5 16.5 18.0 16.5 18.0 18.5 19.0 18.5 19.0 18.5 19.5 18.5 19.5 18.5 17.5 18.5 17.5 18.5 19.0 18.5 19.0 18.5 19.0 18.5 19.5 18.5 19.5 18.5 19.5 18.5 19.5 18.5 19.5 18.5 19.5 18.5 19.0 18.5 19.0 18.5 19.5 16.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17
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	 	FEBRUAR	Y	6.5 9.0 9.0 6.0 6.0 4.0 3.5 5.5 5.5 5.5 5.5 5.5 5.60 6.0 4.5 6.5 8.0 9.5 10.0 9.5 9.0 11.5 12.0	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.5 3.0 4.0 3.5 3.5 2.5 3.5 2.5 3.5 3.5 2.5 3.5 3.5 7.5 8.0 8.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0	$\begin{array}{c} 6.0\\ 6.0\\ 7.0\\ 8.0\\ 5.5\\ 5.5\\ 5.0\\ 3.0\\ 4.5\\ 5.0\\ 4.5\\ 5.0\\ 3.5\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5$	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.0 13.0 12.5 11.5 12.5 13.5 13.0 12.0 12.0 12.0 12.0 12.0 11.5 11.5 14.5 14.5 14.5 14.5 15.5 16.0 14.5 16.0 16.5 16.0 16.5	APRIL 11.0 12.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0 11.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 11.5 11.5 12.0 13.5 13.5 14.5	11.5 12.5 14.5 14.5 14.5 14.5 15.0 14.5 12.0 11.0 12.0 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	16.5 16.5 16.0 15.5 18.5 18.5 17.0 19.0 19.0 19.0 19.0 19.0 19.5 17.5 17.0 17.0 19.5 17.5 17.0 19.5 19.5 19.5 19.5 19.5 20.0 19.0 19.5 20.5 20.0 19.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 20.0 19.5 20.5 17.5 17.5 17.0 18.0 19.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17	MAY 14.5 14.5 14.0 13.5 15.0 17.0 16.0 17.0 17.0 17.0 17.0 17.5 15.5 15.5 15.5 15.5 15.5 15.5 15.5	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.5 19.0 18.5 16.0 16.5 18.0 16.5 18.0 16.5 18.0 19.5 18.5 19.5 19.5 19.5 19.5 19.5 17.5 17.5 19.5 19.5 17.5 19.5 19.5 19.5 17.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19
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	 	FEBRUAR	Y	6.5 9.0 6.0 6.0 4.0 3.5 5.5 5.0 6.0 4.5 6.5 8.0 9.5 10.0 9.5 10.0 9.5 11.5	MARCH 6.0 4.5 5.5 6.0 4.5 5.0 4.0 2.5 3.0 4.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	6.0 6.0 7.0 8.05 5.5 5.0 3.0 4.5 5.0 3.5 5.0 3.5 5.0 3.5 5.0 3.5 5.0 4.5 5.0 3.5 5.0 4.5 5.0 3.5 5.0 4.5 5.0 3.0 4.5 5.0 3.0 4.5 5.0 3.0 4.5 5.0 3.0 4.5 5.0 3.0 5.5 5.0 3.0 5.5 5.0 3.0 5.5 5.0 5.0 5.0 5.0 5.0 5.0 5	12.0 13.5 14.5 16.0 15.5 14.5 15.0 16.5 16.0 13.0 12.5 11.5 12.5 13.5 13.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 14.5 14.5 14.5 14.5 15.5 14.5	APRIL 11.0 12.5 13.5 12.0 12.5 13.5 12.5 10.5 10.0 9.5 10.0 10.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 12.5 12.5 10.5 10.5 10.5 11.5	11.5 12.5 13.5 14.5 14.5 15.0 13.5 15.0 14.5 12.0 11.0 12.0 12.0 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11	16.5 16.5 16.0 15.5 18.5 18.5 17.0 19.0 19.0 19.0 19.0 19.5 17.5 17.0 17.0 17.0 19.5 19.5 19.5 19.5 19.5 19.5 19.5 20.0 19.0 18.0 19.0 19.5 19.5 20.0 19.0 19.5 19.5 20.0 19.0	MAY 14.5 14.0 13.5 15.0 17.0 16.0 17.0 17.0 17.0 17.5 17.0 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15	15.5 15.5 14.5 14.5 16.5 17.5 16.5 17.0 18.0 18.0 18.5 19.0 18.5 16.5 16.0 16.5 16.0 16.5 18.0 18.5 19.0 18.5 19.0 18.5 19.5 18.5 19.5 18.5 17.5 17.5 18.5 19.0 18.5 19.0 18.5 19.0 18.0 18.0 19.0 18.5 19.0 18.0 19.0 18.5 19.5 18.5 19.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBE	R
1 2 3 4 5	24.0 24.5 24.0 23.5 22.5	21.0 22.0 23.0 21.5 20.5	22.5 23.5 23.5 22.5 21.5	24.5 25.5 26.5 28.5 30.5	23.5 23.5 24.0 25.0 26.5	24.0 24.5 25.0 27.0 28.5	30.0 29.5 29.0 28.0 28.0	26.5 26.0 24.5 24.0 24.0	28.0 27.5 26.5 26.0 26.0	21.5 22.5 23.0 22.5 23.5	19.5 20.0 20.0 21.5 22.0	20.5 21.0 21.5 22.0 23.0
6 7 8 9 10	23.0 24.5 26.5 27.0 25.5	19.5 21.0 23.0 24.0 22.0	21.5 23.0 25.0 25.5 24.0	31.0 30.5 29.0 28.0 26.0	28.0 28.0 26.5 25.0 24.5	29.5 29.0 27.5 26.5 25.5	27.5 27.5 26.5 26.5 26.0	23.0 23.0 24.5 23.5 22.0	25.0 25.0 25.5 24.5 23.5	24.0 24.5 25.5 25.5 24.5	22.5 23.5 23.5 24.0 22.5	23.5 24.0 24.5 24.5 23.0
11 12 13 14 15	23.5 22.0 21.5 23.0 24.5	20.5 20.5 20.5 21.0 22.0	22.0 21.0 21.5 22.0 23.0	26.5 23.5 25.0 23.5 25.0	23.0 22.0 21.5 22.5 21.5	24.5 23.0 23.0 23.0 23.0	26.5 27.0 27.5 27.5 26.5	22.0 23.0 24.0 25.0 25.5	24.0 24.5 25.5 26.0 26.0	23.0 23.0 22.5 22.5 22.0	21.0 20.0 20.0 20.5 21.0	22.0 21.5 21.5 21.5 21.5 21.5
16 17 18 19 20	24.0 23.0 21.5 22.0 21.5	22.0 20.5 19.5 19.5 19.5	23.0 21.5 20.5 21.0 20.5	27.0 28.5 29.0 29.5 27.5	23.0 25.0 25.5 26.5 25.5	24.5 26.0 27.0 27.5 26.5	27.0 28.0 28.0 27.5 25.0	24.5 25.0 25.0 24.0 23.0	26.0 26.0 26.5 25.5 24.0	21.0	19.0 	20.0
21 22 23 24 25	19.5 22.0 23.5 24.5 24.0	18.5 18.0 20.0 21.0 21.5	19.0 20.0 22.0 23.0 23.0	26.5 26.5 28.5 28.0 29.0	24.0 25.0 25.0 26.5 26.0	25.5 25.5 26.5 27.0 27.5	23.0 23.0 24.5 24.5 24.5 24.5	21.5 21.0 20.5 21.5 21.5	22.5 22.0 22.0 22.5 22.5	16.5 16.0 17.0 17.0	15.5 14.0 15.0 15.5	16.0 15.0 16.0 16.0
26 27 28 29 30 31	25.5 26.5 26.0 27.0 26.0	22.0 23.5 25.0 25.0 24.5	23.5 25.0 25.5 26.0 25.0	29.0 28.5 29.0 28.5 28.0 29.5	26.0 25.5 25.5 24.5 25.0 25.0	27.0 27.0 27.0 26.5 26.5 27.0	23.0 21.5	22.0 20.0	22.5 20.5	17.0 17.0 18.5 20.0 19.5	15.5 16.5 17.0 18.5 17.5	16.5 16.5 18.0 19.0 18.5
MONTH	27.0	18.0	22.7	31.0	21.5	26.1	30.0	20.0	24.7	25.5	14.0	20.3

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBER		D	ECEMBER			JANUARY	
1 2	8.7 9.3	7.2	7.8 7.8									
2 3	9.3	5.8 7.4	7.8 8.5									
4	10.0	6.6	8.1									
5	9.0	7.1	8.0									
5	2.0	/·±	0.0									
б	10.8	7.2	9.1									
7												
8												
9												
10												
11												
12												
13												
14 15												
15												
16												
17												
18												
19				13.2	9.4	11.5						
20				12.0	9.6	10.8						
21				12.9	6.1	10.9						
22				13.9	10.5	12.4						
23				12.9	7.2	11.8						
24				13.7	10.4	12.0						
25				13.7	7.0	12.0						
26												
27												
28												
29												
30												
31												
MONTH	10.8	5.8	8.2	13.9	6.1	11.6						

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OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUAR	Y		MARCH			APRIL			MAY	
1 2							12.3 13.4	10.3 10.4	11.4 11.9	10.7 10.7	9.0 8.9	9.8 9.8
3 4				10.5 10.6	8.2 7.3	9.3 8.8	13.1 12.4	9.9 9.8	11.5 11.0	10.1 10.9	8.9 9.3	9.5 10.1
5				12.4	10.3	11.3	12.9	9.3	11.0	10.9	9.1	9.8
6 7				11.2 12.0	9.8 9.1	10.2 10.4	13.3 13.1	10.0 10.0	11.6 11.6	9.3 9.5	8.2 8.5	8.9 9.0
8				12.1	11.4	11.8	12.8	9.6	11.1	9.9	8.7	9.3
9 10				11.6 11.4	10.0 9.8	11.0 10.8	10.9 10.9	8.6 10.1	9.8 10.5	9.9 10.0	8.3 8.3	9.1 9.1
11				10.8	9.2	10.1	11.1	10.1	10.6	10.2	8.4	9.3
12 13				11.5 11.8	9.2 9.7	10.4 10.9	11.6 12.4	10.9 10.8	11.2 11.5	10.2 8.8	8.3 7.7	9.2 8.2
14 15				11.2	9.6	10.5	12.6 12.8	10.4 10.2	$11.4 \\ 11.4$	9.9 10.7	8.4 8.9	9.1 9.7
16 17							11.5 12.9	10.0 10.4	10.8 11.6	10.6 10.7	9.0 9.0	9.8 9.8
18 19							12.7 12.7	10.7 10.7	11.8 11.7	10.4 8.6	8.6 7.7	9.4 8.1
20							12.0	10.4	11.3	9.6	7.9	8.6
21 22							12.7 11.8	10.9 10.3	11.8 11.1	9.8 9.6	8.0 8.0	8.8 8.7
23				12.1	11.5	11.8	10.3	9.2	9.7	8.3	7.6	8.0
24 25				11.7 12.2	11.1 10.9	$11.4 \\ 11.5$	$11.4 \\ 11.1$	9.7 9.9	10.5 10.5	8.7 9.0	7.8 8.4	8.2 8.6
26				12.7	11.2	11.9	10.8	9.6	10.2	9.5	8.5	8.9
27 28				13.1 12.9	11.3 11.2	12.2 12.1	10.6 10.6	9.1 9.1	9.8 9.9	9.6 9.8	8.4 8.5	9.0 9.0
29 30				13.2 13.2	11.2 10.7	12.1 12.0	10.8 10.6	9.3 9.1	10.0 9.8	9.7 9.5	8.1 7.7	8.8 8.4
31				13.6	10.8	12.2				9.3	7.5	8.3
MONTH				13.6	7.3	11.1	13.4	8.6	10.9	10.9	7.5	9.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN JUNE	MEAN	MAX	MIN JULY	MEAN	MAX	MIN AUGUST	MEAN		MIN SEPTEMBE	
DAY 1	MAX 9.5		MEAN 8.3	MAX 8.7		MEAN 7.2	MAX 9.5		7.2			
1 2	9.5 9.0	JUNE 7.4 7.1	8.3 8.0	8.7 9.3	JULY 6.3 6.7	7.2 7.7	9.5 9.5	AUGUST 5.5 5.4	7.2 7.1	10.1 10.3	6.2 7.7	R 8.6 8.8
1 2 3 4	9.5 9.0 8.6 9.4	JUNE 7.4 7.1 6.6 6.8	8.3 8.0 7.5 7.9	8.7 9.3 8.7 8.9	JULY 6.3 6.7 6.6 6.4	7.2 7.7 7.5 7.4	9.5 9.5 9.7 9.4	AUGUST 5.5 5.4 5.6 5.8	7.2 7.1 7.3 7.4	10.1 10.3 10.8 10.2	6.2 7.7 7.6 7.4	8.6 8.8 8.9 8.5
1 2 3 4 5	9.5 9.0 8.6 9.4 9.8	JUNE 7.4 7.1 6.6 6.8 7.2	8.3 8.0 7.5 7.9 8.3	8.7 9.3 8.7 8.9 8.7	JULY 6.3 6.7 6.6 6.4 5.9	7.2 7.7 7.5 7.4 6.9	9.5 9.5 9.7 9.4 9.8	AUGUST 5.5 5.4 5.6 5.8 5.7	7.2 7.1 7.3 7.4 7.5	10.1 10.3 10.8 10.2 10.1	6.2 7.7 7.6 7.4 7.1	8.6 8.8 8.9 8.5 7.9
1 2 3 4 5 6 7	9.5 9.0 8.6 9.4 9.8 10.0 10.0	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4	8.3 8.0 7.5 7.9 8.3 8.6 8.5	8.7 9.3 8.7 8.9 8.7 8.8 9.0	JULY 6.3 6.7 6.6 6.4 5.9 5.6 5.5	7.2 7.7 7.5 7.4 6.9 6.7 6.8	9.5 9.5 9.7 9.4 9.8 9.9 10.1	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1	7.2 7.1 7.3 7.4 7.5 7.7 7.8	10.1 10.3 10.8 10.2 10.1 7.6 7.6	6.2 7.7 7.6 7.4 7.1 6.8 6.4	ER 8.6 8.8 8.9 8.5 7.9 7.2 6.9
1 2 3 4 5 6	9.5 9.0 8.6 9.4 9.8 10.0	JUNE 7.4 7.1 6.6 6.8 7.2 7.5	8.3 8.0 7.5 7.9 8.3 8.6	8.7 9.3 8.7 8.9 8.7 8.8	JULY 6.3 6.7 6.6 6.4 5.9 5.6	7.2 7.7 7.5 7.4 6.9 6.7	9.5 9.5 9.7 9.4 9.8 9.9	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0	7.2 7.1 7.3 7.4 7.5 7.7	10.1 10.3 10.8 10.2 10.1 7.6	6.2 7.7 7.6 7.4 7.1 6.8	8.6 8.8 8.9 8.5 7.9 7.2
1 2 3 4 5 6 7 8	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6	8.3 8.0 7.5 7.9 8.3 8.6 8.5 8.3 7.9 7.5	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5	JULY 6.3 6.7 6.6 6.4 5.9 5.6 5.5 5.8 6.2 6.2	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0	AUGUST 5.5 5.4 5.6 5.7 6.0 6.1 6.0 5.7 6.3	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.1 7.4 7.7	10.1 10.3 10.8 10.2 10.1 7.6 8.3 8.4 7.6	6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.4 6.6 6.8 7.2	R 8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.3 7.4 7.4
1 2 3 4 5 6 7 8 9	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1	8.3 8.0 7.5 8.3 8.6 8.5 8.5 8.5 8.3 7.9	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9	JULY 6.3 6.7 6.6 6.4 5.9 5.6 5.5 5.8 6.2 6.2 6.5	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.1 7.4	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4	6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.6 6.8	R 8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.3 7.4
1 2 3 4 5 6 7 8 9 10 11 12 13	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5 8.5	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3 7.3 7.3	8.3 8.0 7.5 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 8.5 9.9 10.3	JULY 6.3 6.7 6.6 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.5 6.9 7.1	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1 7.8 7.8 8.3	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7	AUGUST 5.5 5.4 5.6 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.1 7.4 7.7 7.9 8.0 7.6	10.1 10.3 10.8 10.2 10.1 7.6 8.3 8.4 7.6 8.4 9.1 9.5	6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.4 6.6 6.8 7.2 7.1 7.1 7.6 7.7	R 8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.3 7.4 7.4 7.7 8.1 8.3
1 2 3 4 5 6 7 8 9 10 11 12	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5 8.8	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3	8.3 8.0 7.5 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1	JULY 6.3 6.7 6.6 5.9 5.6 5.5 5.8 6.2 6.2 6.5 6.9	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1 7.8 7.8	9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3	AUGUST 5.5 5.4 5.6 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.1 7.4 7.7 7.9 8.0	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 9.1	EPTEMBE 6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.6 6.8 7.2 7.1 7.6	R 8.6 8.8 8.9 7.9 7.2 6.9 7.3 7.4 7.4 7.4 7.7 8.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.7 8.7 9.5 8.8 8.5 8.4 	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3 7.1	8.3 8.0 7.5 7.9 8.3 8.6 8.5 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.7 	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8	JULY 6.3 6.7 6.6 6.4 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.5 7.1 7.3 7.4 7.3	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1 7.8 8.3 8.4 8.6 8.5	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0 5.3 5.5 5.9	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.1 7.4 7.7 7.9 8.0 7.6 6.6 6.6 6.6 7.2	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1	6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.6 6.8 7.2 7.1 7.6 7.7 7.7 7.7 7.7 7.6 4.7	R 8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.4 7.4 7.4 7.4 7.7 8.1 8.3 8.4 7.9 6.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5 8.8 8.5 8.4 	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3 7.1	8.3 8.0 7.5 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.7 	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2	JULY 6.3 6.7 6.6 5.9 5.6 5.5 5.8 6.2 6.2 6.5 6.9 7.1 7.3 7.4	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1 7.8 8.3 8.4 8.6	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4	AUGUST 5.5 5.4 5.6 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0 5.3 5.5 5.9 6.0 5.8	$\begin{array}{c} 7.2\\ 7.1\\ 7.3\\ 7.5\\ 7.5\\ 7.7\\ 7.8\\ 7.1\\ 7.4\\ 7.7\\ 7.8\\ 7.1\\ 7.4\\ 7.7\\ 7.9\\ 8.0\\ 7.6\\ 6.6\\ 6.6\\ 6.6\end{array}$	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1 	6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.6 6.8 6.4 6.6 7.2 7.1 7.6 7.7 7.7 7.6	R 8.6 8.9 8.9 7.9 7.2 6.9 7.3 7.4 7.4 7.7 8.1 8.3 8.4 7.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5 8.8 8.5 8.4 	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3 7.3 7.1	8.3 8.0 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.5 8.1 7.9 7.7	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6	JULY 6.3 6.7 6.6 6.4 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.2 6.2 6.5 6.9 7.1 7.3 7.4 7.3 6.7	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1 7.8 8.3 8.3 8.4 8.6 8.5 8.2	9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0 5.3 5.5 5.9 6.0	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.1 7.7 7.9 8.0 7.6 6.6 6.6 6.6 7.2 7.3	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1 	EPTEMBE 6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.6 8 7.2 7.1 7.6 7.7 7.7 7.6 4.7 	R 8.6 8.8 9 8.5 7.9 7.2 6.9 7.3 7.4 7.4 7.4 7.4 7.4 7.4 7.7 8.1 8.3 8.3 8.4 7.9 6.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.7 8.7 9.5 8.8 8.5 8.4 	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3 7.3 7.1	8.3 8.0 7.9 8.3 8.6 8.5 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.7 	8.7 9.3 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 10.2 7.6	JULY 6.3 6.7 6.6 5.9 5.6 5.5 5.8 6.2 6.2 6.2 7.1 7.3 7.4 7.3 6.5 6.2 5.9	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.6 7.1 7.8 8.3 8.4 8.5 8.5 7.6	9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5	AUGUST 5.5 5.4 5.6 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0 5.3 5.5 5.9 6.0 5.8 6.0 5.8 5.7 6.0 6.2 6.0 5.3 5.5	7.2 7.1 7.3 7.5 7.7 7.8 7.1 7.7 7.8 7.1 7.7 7.9 8.0 7.6 6.6 6.6 7.2 7.4 7.5 7.4 7.7 7.5 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.6 7.2 7.4 7.6	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.5 8.1 	GEPTEMBE 6.2 7.7 7.4 7.1 6.8 6.4 6.6 6.8 7.2 7.1 7.6 7.7 7.7 7.7 7.7 7.7 4.7 	8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.4 7.7 8.1 8.3 8.4 7.9 6.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5 8.8 8.5 8.4 	JUNE 7.4 7.1 6.6 7.5 7.4 6.6 6.6 7.1 7.3 7.1 <td>8.3 8.0 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.5 8.2 8.1 7.9 7.7 </td> <td>8.7 9.3 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 7.6 8.8 9.1</td> <td>JULY 6.3 6.7 6.4 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.2 6.5 7.1 7.3 7.4 7.3 6.7 6.5 5.9 5.6 5.9</td> <td>7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.8 7.1 7.8 8.3 8.6 8.2 7.8 7.9 7.4</td> <td>9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5 9.9 8.5</td> <td>AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 5.5 5.9 6.0 5.8 5.5 5.9 6.0 5.8 5.7 6.3 5.5 5.7 6.3 5.5 5.7 5.4 6.0 6.1 6.1 6.2 6.3 7.1</td> <td>$\begin{array}{c} 7.2\\ 7.1\\ 7.3\\ 7.4\\ 7.5\\ 7.7\\ 7.8\\ 7.4\\ 7.7\\ 7.9\\ 8.0\\ 6.6\\ 6.6\\ 7.3\\ 7.4\\ 7.0\\ 7.4\\ 7.0\\ 7.4\\ 7.0\\ 7.4\\ 8.3 \end{array}$</td> <td>10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.5 8.1 9.0</td> <td>EPTEMBE 6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.8 7.2 7.1 7.6 7.7 7.6 4.7 8.5</td> <td>8.6 8.9 8.5 7.9 7.2 6.9 7.3 7.4 7.7 8.1 8.3 8.4 7.9 6.7 8.8</td>	8.3 8.0 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.5 8.2 8.1 7.9 7.7 	8.7 9.3 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 7.6 8.8 9.1	JULY 6.3 6.7 6.4 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.2 6.5 7.1 7.3 7.4 7.3 6.7 6.5 5.9 5.6 5.9	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.8 7.1 7.8 8.3 8.6 8.2 7.8 7.9 7.4	9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5 9.9 8.5	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 5.5 5.9 6.0 5.8 5.5 5.9 6.0 5.8 5.7 6.3 5.5 5.7 6.3 5.5 5.7 5.4 6.0 6.1 6.1 6.2 6.3 7.1	$\begin{array}{c} 7.2\\ 7.1\\ 7.3\\ 7.4\\ 7.5\\ 7.7\\ 7.8\\ 7.4\\ 7.7\\ 7.9\\ 8.0\\ 6.6\\ 6.6\\ 7.3\\ 7.4\\ 7.0\\ 7.4\\ 7.0\\ 7.4\\ 7.0\\ 7.4\\ 8.3 \end{array}$	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.5 8.1 9.0	EPTEMBE 6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.8 7.2 7.1 7.6 7.7 7.6 4.7 8.5	8.6 8.9 8.5 7.9 7.2 6.9 7.3 7.4 7.7 8.1 8.3 8.4 7.9 6.7 8.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.7 8.7 9.5 8.8 8.5 8.4 10.5	JUNE 7.4 7.1 6.6 7.5 7.4 6.9 6.6 7.1 7.3 7.1	8.3 8.0 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.7 8.9	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 7.6 8.8 9.1 9.7 9.0	JULY 6.3 6.6 6.4 5.9 5.6 5.5 6.2 6.2 6.5 7.3 7.4 7.3 6.7 6.2 5.9 5.6 6.4 6.4 6.3	7.2 7.7 7.4 6.9 6.7 6.8 7.6 7.6 7.1 7.8 8.4 8.6 7.6 7.1 7.8 8.4 8.5 2.8 7.6 7.0 4 7.4 7.4	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5 9.2 10.1 10.8 10.5	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0 5.3 5.5 5.9 6.0 5.3 5.5 5.9 6.0 6.1 6.2 6.3 5.5 5.9 6.0 5.3 5.5 5.9 6.0 5.3 5.5 5.4 6.0 5.7 6.3 5.3 5.5 5.4 6.0 5.7 6.3 5.5 5.5 5.5 5.5 5.7 6.3 5.7 6.0 5.3 5.5 5.5 5.7 6.0 5.3 5.5 5.7 6.0 5.3 5.5 5.7 6.0 5.3 5.5 5.7 6.0 5.3 5.5 5.7 6.0 5.3 5.5 5.5 5.7 6.0 5.3 5.5 5.5 5.5 5.5 5.5 5.5 5.5	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.7 7.9 8.0 6.6 6.6 7.2 7.4 7.0 7.4 7.0 7.4 8.3 7.4 7.0 7.4 8.5	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1 9.0 9.3 9.1	Geptember 6.2 7.7 7.4 7.1 6.8 6.4 6.6 8.7 7.1 7.6 7.1 7.6 4.7 7.7 7.7 7.7 7.7 8.5 8.9 8.8	8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.4 7.7 8.1 8.4 7.9 6.7 8.8 9.1 9.0
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	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.9 9.7 8.7 9.5 8.8 8.5 8.4 10.5 10.2	JUNE 7.4 7.1 6.6 6.8 7.2 7.5 7.4 6.9 6.6 6.6 7.1 7.3 7.3 7.1 7.7 7.5	8.3 8.0 7.5 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.5 8.2 8.1 7.9 7.7 8.1 7.9 7.7 8.1 7.9 8.1 8.1 7.9 8.2 8.1 7.9 8.2 8.1 7.9 8.2 8.1 7.9 8.2 8.1 7.9 8.2 8.1 7.9 8.2 8.1 7.9 7.9 8.3 7.9 7.5 7.9 8.3 7.9 7.5 7.9 8.3 7.9 7.5 7.9 8.3 7.9 7.5 7.9 8.3 7.9 7.5 7.9 8.3 7.9 7.5 7.9 7.5 7.9 8.3 7.9 7.5 7.9 7.5 7.9 8.3 7.9 7.5 7.9 7.5 7.9 8.3 7.9 7.5 7.9 7.5 7.9 7.5 7.9 7.5 7.9 7.5 7.9 7.5 7.9 7.5 7.5 7.9 7.5 8.1 7.9 7.5 7.5 7.9 7.5 8.2 8.1 7.9 7.5 7.5 8.1 7.9 7.5 8.2 8.1 7.9 7.5 8.1 7.5 7.5 8.2 8.1 7.5 8.2 8.1 7.5 7.5 8.2 8.1 7.5 8.2 8.1 7.5 8.2 8.1 7.5 8.2 8.1 7.7 7.5 8.2 8.1 7.7 7.5 8.2 8.1 8.1 7.7 7.5 8.2 8.1 8.2 8.1 7.7 7.5 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.1 8.2 8.1 8.2 8.1 8.2 8.1 8.2 8.5 8.2 8.5 8.2 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	8.7 9.3 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 10.2 7.6 8.8 9.1 9.7 9.0 9.6	JULY 6.3 6.7 6.4 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.5 7.1 7.3 7.4 7.3 6.5 6.2 5.9 5.6 6.2 5.9 5.6 6.2 6.2 6.2 6.2 6.2 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 7.9 7.1 7.4 7.3 6.5 6.4 6.4 6.4 6.4 7.9 7.1 7.4 7.4 7.4 6.5 6.4 6.4 7.9 7.4 7.4 7.4 7.4 6.5 6.5 6.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7	7.2 7.7 7.5 7.4 6.9 6.7 6.8 7.1 7.8 7.1 7.8 8.3 8.4 8.5 2.2 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.6 7.0 7.4 7.4 7.4	9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5 9.2 10.1 10.8 10.5	AUGUST 5.5 5.4 5.6 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.0 5.3 5.5 5.9 6.0 5.8 6.0 5.5 5.7 6.2 6.3 6.2 6.2 6.3 7.2 7.2	7.2 7.1 7.4 7.5 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.6 6.6 6.6 7.23 7.6 7.6 7.4 7.6 7.6 7.4 7.6 7.6 7.4 7.6 7.6 7.4 7.6 8.7 8.5 8.5	10.1 10.3 10.2 10.1 7.6 7.6 8.3 8.4 7.6 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1 9.0 9.3 9.1 9.1	EPTEMBE 6.2 7.7 7.6 7.4 7.1 6.8 6.4 6.6 7.2 7.1 7.6 7.7 7.6 4.7 7.7 7.6 4.7 8.5 8.9 8.8 8.7	8.6 8.9 8.9 7.9 7.2 6.9 7.3 7.4 7.7 8.1 8.3 8.4 7.9 6.7 8.8 9.1 9.0 8.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.7 8.7 9.5 8.8 8.5 8.4 10.5 10.2 10.7 9.7	JUNE 7.4 7.1 6.6 7.5 7.4 6.9 6.6 7.1 7.3 7.1	8.3 8.0 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.7 8.9	8.7 9.3 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 7.6 8.8 9.1 9.7 8.5 9.9 9.1 9.7 10.2 7.6 8.8 9.1 9.7 9.0 9.5 10.1	JULY 6.3 6.7 6.6 5.9 5.6 5.5 5.8 6.2 6.2 6.2 6.2 6.2 6.9 7.1 7.3 7.4 7.3 6.7 6.5 9 5.6 5.9 5.6 6.4 6.4 6.4 6.1 6.4 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	$\begin{array}{c} 7.2\\ 7.7\\ 7.7\\ 5.4\\ 9\\ 6.8\\ 7.6\\ 7.1\\ 7.8\\ 8.3\\ 8.6\\ 8.52\\ 8.6\\ 7.6\\ 4.7\\ 7.4\\ 7.6\\ 7.4\\ 7.6\\ 7.4\\ 7.6\\ 7.4\\ 7.6\\ 7.4\\ 7.6\end{array}$	9.5 9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5 9.9 8.5 9.2 10.1 10.8 10.5 10.8	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 5.5 5.9 6.0 5.8 6.0 5.5 5.9 6.0 6.2 6.3 7.1 7.4 7.2 7.2 6.8 8 	$\begin{array}{c} 7.2\\ 7.1\\ 7.3\\ 7.4\\ 7.5\\ 7.7\\ 7.8\\ 7.4\\ 7.7\\ 7.9\\ 8.0\\ 7.6\\ 6.6\\ 7.3\\ 7.4\\ 7.0\\ 7.4\\ 7.0\\ 7.4\\ 7.0\\ 7.4\\ 8.3\\ 8.7\\ 8.5\\ 8.4\\ 7.4\\ 7.4\\ 7.4\\ 7.0\\ 7.4\\ 8.3\\ 8.7\\ 8.5\\ 8.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7$	10.1 10.3 10.8 10.2 10.1 7.6 7.6 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1 9.0 9.3 9.1	Geptember 6.2 7.7 7.4 7.1 6.8 6.4 6.6 8.7 7.1 7.6 7.1 7.6 4.7 7.7 7.7 7.7 7.7 8.5 8.9 8.8	8.6 8.8 8.9 8.5 7.9 7.2 6.9 7.4 7.7 8.1 8.4 7.9 6.7 8.8 9.1 9.0
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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 26 27 28 29	9.5 9.0 8.6 9.4 9.8 10.0 10.0 9.7 8.7 9.5 8.8 8.5 8.4 10.5 10.2 10.7 9.7 8.6 9.1	JUNE 7.4 7.1 6.6 7.5 7.4 6.9 6.6 7.1 7.3 7.1 <	8.3 8.0 7.9 8.3 8.6 8.5 8.3 7.9 7.5 8.2 8.1 7.9 7.7 8.1 7.9 7.7 8.2 8.1 7.9 7.7 8.1 7.9 7.7 8.1 7.9 7.7 8.1 7.9 7.7 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1	8.7 9.3 8.7 8.9 8.7 8.8 9.0 9.2 9.9 8.5 9.9 9.1 10.3 9.9 10.7 10.8 10.6 10.2 7.6 8.8 9.1 9.7 9.0 9.6 9.5 10.1 9.9 9.9	JULY 6.3 6.6 6.4 5.9 5.6 5.5 6.2 6.2 6.5 7.3 7.4 7.3 6.7 5.9 5.6 6.2 7.3 7.4 7.3 6.7 5.9 5.6 6.4 6.4 6.3 6.1 6.1 6.1 6.1 6.1 6.1	$\begin{array}{c} 7.2\\ 7.7\\ 7.7\\ 7.4\\ 6.9\\ 6.8\\ 7.6\\ 7.6\\ 7.6\\ 7.6\\ 7.6\\ 8.4\\ 8.6\\ 8.5\\ 2.8\\ 7.6\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.4\\ 7.5\\ 7.3\\ \end{array}$	9.5 9.7 9.4 9.8 9.9 10.1 8.7 9.8 10.0 10.2 10.3 9.7 8.2 8.1 9.0 9.3 9.4 9.9 8.5 9.2 10.1 10.8 10.5 10.8 10.5	AUGUST 5.5 5.4 5.6 5.8 5.7 6.0 6.1 6.0 5.7 6.3 6.2 6.3 6.2 6.3 5.5 5.9 6.0 5.3 5.5 5.9 6.0 6.2 6.3 7.1 7.2 7.2 6.8 	7.2 7.1 7.3 7.4 7.5 7.7 7.8 7.7 7.9 8.0 7.4 7.7 7.9 8.0 6.6 6.6 7.2 7.3 7.4 7.0 7.4 8.3 8.5 8.4 7.4 7.4 7.5	10.1 10.3 10.2 10.1 7.6 7.6 8.4 7.6 8.4 9.1 9.5 9.6 8.5 8.1 9.0 9.3 9.1 9.1 9.1 9.1 9.2 8.9 9.1 8.9	Geptember 6.2 7.7 7.4 7.1 6.8 6.4 6.6 7.2 7.1 7.6 7.7 7.7 7.7 7.7 7.7 7.7 7.7	8.6 8.8 8.9 8.5 7.9 7.29 7.3 7.4 7.7 8.13 8.49 6.7 8.8 9.00 8.9 8.77 8.7 8.5