

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, PA, Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highways 6 and 209) between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

DRAINAGE AREA.--3,070 mi².

PERIOD OF RECORD.--Water years 1957-60, 1964 to January 1994, June 1997, July 1998 to September 1999.

CHEMICAL DATA: 1958-59, 1964-65, 1966, 1967-68, 1969-76, 1987, 1988-89, 1990-91, 1992, 1997, 1999.

MINOR ELEMENTS DATA: 1970, 1972-73, 1974-76, 1987, 1988-89, 1990-91, 1992.

PESTICIDE DATA: 1974, 1987, 1988-89, 1990, 1997, 1999.

ORGANIC DATA: OC--1974, 1975, 1999.

NUTRIENT DATA: 1968, 1969-76, 1987, 1988-89, 1990, 1999.

BIOLOGICAL DATA:

Bacteria--1973-76.

Phytoplankton--1974, 1975-76.

Periphyton--1976.

SEDIMENT DATA: 1959, 1976, 1988, 1989, 1990-91, 1992, 1999.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January to September 1973.

SUSPENDED-SEDIMENT DISCHARGE: February 1957 to September 1960, March 1970 to June 1976.

WATER TEMPERATURE: February 1957 to September 1960, January to September 1973, June 1974 to January 1994, October 1998 to current year.

INSTRUMENTATION.-- Thermocouple to data logger; recorded every 15 minutes.

REMARKS.--These samples were collected as part of the Delaware River Basin National Water Quality Assessment Program (NAWQA).

Fish tissue, bed sediment, and fish community data for this site are presented on page 463. During the winter, the temperature probe may have been frozen in ice; continuous-record values may indicate the temperature of the ice rather than of the water. Interruptions in the daily record were due to instrument malfunction. For the definition of the type of quality-control data listed under SAMPLE TYPE, refer to "Quality-control data" in the "Explanation of Records" section.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum (water years 1957-59, 1973-81, 1983-84, 1988- 93), 30.0°C, July 13, 1981; minimum (water

years 1958-60, 1973, 1975-93), 0.0°C on many days during winter periods, except 1984.

SUSPENDED-SEDIMENT CONCENTRATION (water years 1957-60, 1970-76): Maximum daily mean, 760 mg/L, June 29, 1973; minimum daily mean, less than 1 mg/L on many days.

SUSPENDED-SEDIMENT DISCHARGE (water years 1957-60, 1970-76): Maximum daily, 187,000 tons, June 29, 1973; minimum daily, 1 ton, Aug. 29, 1957.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.5°C, Jul 5; minimum, 0.0°C, many dates in Dec and Jan.

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

DATE	TIME	SAMPLE TYPE	DIS-CHARGE,	BARO-METRIC	OXYGEN,		PH	SPE-CIFIC	TEMPER-ATURE	TEMPER-ATURE
			INST.	PRES-	DIS-SOLVED	WATER WHOLE				
			CUBIC FEET PER SECOND (00061)	SURE (MM OF HG) (00025)	(PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	FIELD (STAND-ARD UNITS) (00400)	CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
NOV 1998										
09...	1215	ENVIRONMENTAL	1840	759	103	12.4	7.5	83	9.5	7.5
DEC										
14...	1220	ENVIRONMENTAL	1420	755	102	13.7	7.1	81	4.0	2.5
JAN 1999										
25...	1100	ENVIRONMENTAL	37300	753	--	--	6.9	55	2.0	.0
FEB										
01...	1355	FIELD BLANK	--	--	--	--	--	--	--	--
01...	1400	ENVIRONMENTAL	E2900	764	93	13.4	6.9	75	6.0	.5
MAR										
10...	1430	ENVIRONMENTAL	E4200	754	90	12.4	7.3	76	5.0	2.0
APR										
05...	1340	ENVIRONMENTAL	5390	757	109	12.1	7.6	65	13.5	10.5
MAY										
03...	1320	ENVIRONMENTAL	2230	750	107	10.6	7.2	75	19.5	15.0
26...	1230	ENVIRONMENTAL	6630	742	107	10.4	7.3	73	21.0	15.0
JUN										
29...	1200	ENVIRONMENTAL	1520	739	100	7.7	8.0	96	30.0	27.0
AUG										
03...	1100	ENVIRONMENTAL	1910	754	--	--	7.6	88	29.0	--
30...	1300	ENVIRONMENTAL	1570	755	97	8.4	8.0	87	24.0	22.0

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

DATE	HARD- NESS (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	UNFLTRD LAB (MG/L AS CACO3) (90410)	ANC	ALKA-	BICAR-	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2)
							TIT 4.5 WAT (MG/L AS CACO3)	LINITY DIS TOT IT FIELD (MG/L AS CACO3)	BONATE WATER DIS IT FIELD (MG/L AS HCO3)			
NOV 1998												
09...	26	7.4	1.7	1.0	5.4	19	16	20	8.6	<.1	.83	
DEC												
14...	24	7.0	1.6	.8	5.0	17	17	21	8.2	<.1	1.4	
JAN 1999												
25...	14	4.1	.92	1.0	4.1	5.9	5.	6.1	7.0	<.1	2.5	
FEB												
01...	--	<.02	<.004	<.1	<.06	1.7	--	--	.2	<.1	<.05	
01...	19	5.6	1.2	.8	5.2	9.7	8	10	10	<.1	2.8	
MAR												
10...	19	5.8	1.2	.6	5.9	--	8	10	10	<.1	2.6	
APR												
05...	17	5.2	1.0	.7	4.6	--	8	10	8.6	<.1	1.2	
MAY												
03...	20	5.8	1.2	.7	5.5	--	10	13	10	<.1	1.1	
26...	19	5.7	1.1	.7	5.0	--	11	13	8.6	<.1	2.4	
JUN												
29...	25	7.3	1.6	.9	6.6	--	15	18	11	<.1	.84	
AUG												
03...	23	6.6	1.6	.9	5.9	--	13	16	11	<.1	1.5	
30...	24	7.0	1.7	.9	6.0	--	14	18	9.9	<.1	1.1	

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P)
09...	7.1	<.02	.1	.1	.29	.15	.28	<.01	<.05	.01	<.05
DEC											
14...	8.0	.03	.1	.1	.36	.24	.37	<.01	<.05	<.01	<.05
JAN 1999											
25...	6.4	.05	.2	1.1	.66	.43	1.5	.02	.021	.02	.26
FEB											
01...	<.1	<.02	<.1	<.1	--	<.05	--	<.01	<.004	.01	<.004
01...	8.4	.03	.1	.2	.51	.37	.56	<.01	.008	.02	.014
MAR											
10...	7.9	<.02	.1	.2	.38	.28	.43	<.01	.004	.02	.012
APR											
05...	7.2	<.02	.1	.2	.27	.15	.34	<.01	.005	.01	.008
MAY											
03...	7.2	.06	.2	.2	.28	.10	.29	<.01	.007	.01	.014
26...	6.6	.02	.2	.3	.41	.21	.56	<.01	.01	.01	.045
JUN											
29...	6.5	.04	.2	.3	.35	.14	.44	<.01	.009	<.01	.014
AUG											
03...	5.0	<.02	<.1	.2	--	.31	.48	<.01	.006	<.01	.011
30...	7.4	<.02	.2	.1	.37	.20	.34	<.01	.007	<.01	.005

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDEDED TOTAL (MG/L AS C) (00689)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)
09...	48	43	.2	16.1	15	E3	1.9	.2	5.5	1
DEC										
14...	60	43	.4	<16.0	E6	E4	1.7	<.2	1.9	.5
JAN 1999										
25...	38	31	--	E10.8	50	22	3.4	>4.0	22200	220
FEB										
01...	<10	--	--	<16.0	<10	<3	--	--	--	.7
01...	48	41	2	<16.0	19	12	2.4	.2	--	2
MAR										
10...	53	40	2	<16.0	19	12	2.0	.2	--	1
APR										
05...	40	34	2	<16.0	21	11	2.1	.2	25	2

MAY										
03...	48	39	1	<16.0	37	10	2.1	.2	31	5
26...	47	38	10	E8.7	42	6	3.2	1.0	276	15
JUN										
29...	44	45	.8	<16.0	28	18	2.1	.3	--	--
AUG										
03...	48	41	--	<16.0	14	8	2.0	.2	9.3	2
30...	47	43	.4	E8.2	21	13	1.9	.2	5.5	1

01...	1400	<.002	<.002	.0056	<.002	<.003	<.003	<.004	<.004	<.002
MAR										
10...	1430	<.002	<.002	<.001	<.002	<.003	<.003	<.004	<.004	<.002
APR										
05...	1340	<.002	<.002	<.001	<.002	<.003	<.003	<.004	<.004	<.002
MAY										
03...	1320	<.002	<.002	E.0038	<.002	<.003	<.003	<.004	<.004	<.002
26...	1230	<.002	<.002	.0121	<.002	<.003	<.003	<.004	<.004	<.002
AUG										
03...	1100	<.002	<.002	.0119	<.002	<.003	<.020	<.004	<.004	<.002
30...	1300	<.002	<.002	.0079	<.002	<.003	<.003	<.004	<.004	<.002

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

DATE	DEETHYL	DI-	DI-	EPTC	LINDANE	LIN-	MALA-	METHYL	METRI-	
	ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	AZINON, DIS- SOLVED (UG/L) (39572)	ELDRIN DIS- SOLVED (UG/L) (39381)	FLTRD 0.7 U GF, REC (UG/L) (82668)	DIS- SOLVED (UG/L) (39341)	URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	THION, DIS- SOLVED (UG/L) (39532)	WAT FLT 0.7 U GF, REC (UG/L) (82686)	LACHLOR WATER DISSOLV (UG/L) (39415)	BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JAN 1999										
25...	<.002	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0042	<.004
FEB										
01...	<.002	<.002	<.001	<.002	<.004	<.002	<.005	E.0173	.0051	<.004
MAR										
10...	<.002	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0050	<.004
APR										
05...	<.004	<.002	<.001	<.002	<.004	<.002	<.005	<.001	E.00058	<.004
MAY										
03...	E.0016	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0044	<.004
26...	E.0024	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0136	<.004
AUG										
03...	E.0067	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0092	<.004
30...	E.0067	<.002	<.001	<.002	<.004	<.002	<.005	<.006	E.0039	<.004

DATE	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
	JAN 1999									
25...	<.003	<.006	<.004	<.018	<.003	<.004	<.005	<.010	<.007	<.002
FEB										
01...	<.003	<.006	<.004	<.018	<.003	<.004	.0073	<.010	<.007	<.002
MAR										
10...	<.003	<.006	<.004	<.018	<.003	<.004	<.005	<.010	<.007	<.002
APR										
05...	<.003	<.006	<.004	<.018	<.003	<.004	E.0019	<.010	<.007	<.002
MAY										
03...	<.003	<.006	<.004	<.018	<.003	<.004	E.0041	<.010	<.007	<.002
26...	<.003	<.006	<.004	<.018	<.003	<.004	.0058	<.010	<.007	<.002
AUG										
03...	<.003	<.006	<.004	<.018	<.003	<.004	.0081	<.010	<.007	<.002
30...	<.003	<.006	<.004	<.018	<.003	<.004	.0057	<.010	<.007	<.002

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	10.0	9.0	9.5	7.5	6.5	7.0	.0	.0	.0
2	---	---	---	10.0	9.0	9.5	6.5	5.5	6.0	.0	.0	.0
3	---	---	---	9.0	8.0	8.5	7.0	6.0	6.5	---	---	---
4	---	---	---	8.0	6.5	7.5	8.0	6.5	7.0	---	---	---
5	---	---	---	8.0	6.0	7.0	8.0	7.0	7.5	.0	.0	.0
6	---	---	---	7.5	6.0	7.0	8.5	7.5	8.0	.0	.0	.0
7	---	---	---	7.0	5.5	6.5	9.5	8.0	8.5	.5	.0	.0
8	---	---	---	7.0	6.5	6.5	9.0	7.5	8.0	.0	.0	.0
9	---	---	---	7.5	6.5	7.0	7.5	6.0	7.0	.0	.0	.0
10	---	---	---	7.0	6.0	6.5	6.0	5.0	5.5	.0	.0	.0
11	---	---	---	9.0	7.0	8.0	5.5	4.0	4.5	.0	.0	.0
12	---	---	---	8.5	7.0	8.0	4.0	3.0	3.5	.0	.0	.0
13	---	---	---	7.5	6.5	7.0	3.5	2.5	3.0	.0	.0	.0
14	---	---	---	7.5	6.0	7.0	---	---	---	.0	.0	.0
15	---	---	---	8.0	7.0	7.5	---	---	---	.0	.0	.0
16	---	---	---	7.5	6.5	7.0	---	---	---	.0	.0	.0
17	---	---	---	7.5	7.0	7.0	---	---	---	.5	.0	.0
18	---	---	---	7.5	6.0	7.0	---	---	---	.5	.0	.0
19	---	---	---	6.5	5.0	5.5	---	---	---	.5	.0	.0
20	---	---	---	6.0	6.0	6.0	---	---	---	1.0	.0	.0
21	---	---	---	6.5	5.5	6.0	---	---	---	---	---	---
22	---	---	---	6.0	4.5	5.5	---	---	---	---	---	---
23	---	---	---	6.0	4.0	5.5	---	---	---	---	---	---
24	---	---	---	6.5	5.5	6.0	1.0	.0	.5	---	---	---
25	---	---	---	6.5	5.0	5.5	.0	.0	.0	---	---	---
26	---	---	---	6.5	5.5	6.0	.0	.0	.0	2.0	1.0	1.5
27	---	---	---	6.0	5.5	6.0	.5	.0	.0	2.0	1.0	1.5
28	---	---	---	6.0	4.5	5.5	.5	.0	.0	2.5	1.5	2.0

29	---	---	---	6.5	5.0	6.0	.0	.0	.0	2.5	1.5	2.0
30	11.0	10.0	10.5	7.5	6.5	7.0	.0	.0	.0	2.0	.5	1.5
31	10.5	9.0	10.0	---	---	---	.0	.0	.0	1.0	.0	.5
MONTH	---	---	---	10.0	4.0	7.0	---	---	---	---	---	---

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.0	.0	.5	3.5	2.5	3.0	9.5	8.0	8.5	16.5	12.5	14.5
2	1.5	.5	1.0	4.0	2.5	3.0	10.0	8.5	9.5	17.0	13.5	15.5
3	2.5	1.5	1.5	4.5	2.5	3.5	11.0	9.0	10.0	16.0	14.5	15.0
4	2.5	1.5	2.0	5.0	3.0	4.5	11.5	10.5	11.0	15.0	14.0	14.5
5	3.0	1.5	2.5	3.0	2.0	2.5	11.5	9.0	10.5	16.5	14.0	15.0
6	2.0	1.5	2.0	2.5	1.5	2.0	11.5	9.5	10.5	17.0	16.0	16.0
7	2.0	1.5	2.0	1.5	.5	1.0	12.0	10.0	11.0	16.0	15.5	15.5
8	2.5	1.5	2.0	1.5	.0	.5	13.0	11.0	12.0	16.0	15.0	15.5
9	2.0	1.0	1.5	1.5	.0	.5	12.5	10.5	11.5	16.5	14.0	15.5
10	3.0	1.5	2.0	2.5	.5	1.5	11.5	9.5	10.5	18.0	14.5	16.5
11	3.5	2.0	3.0	2.5	.0	1.0	10.5	8.5	9.5	18.5	15.0	17.0
12	4.0	3.0	3.5	2.0	.5	1.0	9.5	7.5	8.5	19.0	15.5	17.0
13	3.5	2.5	3.0	3.0	.0	1.5	10.0	7.5	9.0	19.5	16.0	18.0
14	2.5	1.0	1.5	3.5	1.5	2.5	10.5	8.5	9.5	19.5	17.0	18.5
15	2.0	.0	1.0	3.5	1.5	2.5	10.5	9.0	10.0	19.5	17.0	18.5
16	2.5	1.0	1.5	4.5	1.5	3.0	10.0	9.0	10.0	19.5	17.0	18.5
17	2.0	2.0	2.0	6.5	3.0	4.5	9.5	8.5	9.0	19.5	17.0	18.5
18	2.5	2.0	2.5	7.5	5.0	6.0	10.5	8.5	9.5	19.5	18.0	19.0
19	4.0	2.0	3.0	6.5	5.0	5.5	10.5	9.0	10.0	19.5	18.0	19.0
20	3.0	2.0	2.5	6.5	4.0	5.5	10.0	9.0	9.5	19.5	16.5	18.5
21	2.5	1.0	2.0	5.5	4.5	4.5	11.0	8.5	10.0	20.0	16.5	18.5
22	1.0	.0	.5	4.5	3.5	4.0	11.0	10.0	10.5	21.0	17.0	19.5
23	1.0	.0	.5	4.5	2.5	3.5	10.5	10.0	10.5	20.0	18.0	18.5
24	1.5	.0	1.0	4.5	3.5	4.0	11.0	8.5	10.0	18.0	17.5	18.0
25	2.0	.0	1.5	5.5	3.5	4.5	11.5	9.0	10.5	17.5	16.0	16.5
26	3.5	1.5	2.5	6.0	3.5	5.0	12.5	9.5	11.0	16.0	14.5	15.5
27	4.0	1.5	2.5	6.5	4.0	5.5	13.5	11.0	12.0	16.5	14.0	15.5
28	3.0	2.0	2.5	6.5	6.0	6.5	14.0	11.0	12.5	17.5	14.5	16.0
29	---	---	---	8.5	6.0	7.5	15.0	11.0	13.0	19.5	16.0	18.0
30	---	---	---	9.0	7.0	8.0	16.0	12.0	14.0	21.5	17.5	19.5
31	---	---	---	9.5	7.0	8.0	---	---	---	23.5	19.0	21.5
MONTH	4.0	.0	2.0	9.5	.0	3.5	16.0	7.5	10.5	23.5	12.5	17.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.0	20.5	22.5	25.0	23.5	24.5	28.0	25.0	26.5	22.0	20.0	21.5
2	24.5	21.5	23.0	25.5	23.5	24.5	26.5	23.5	25.0	23.0	20.5	22.0
3	24.0	21.0	23.0	27.5	23.5	25.5	25.0	22.5	24.0	24.0	21.5	23.0
4	23.5	20.0	22.0	28.5	23.5	26.0	24.5	21.5	23.5	24.0	22.0	23.5
5	23.0	19.5	21.5	30.5	27.0	28.5	24.5	22.0	23.0	24.0	23.0	23.5
6	23.5	20.5	22.0	30.0	26.5	28.5	24.5	21.5	23.0	25.0	23.0	24.0
7	25.5	22.0	24.0	29.0	24.5	27.0	24.5	21.5	23.0	24.5	23.5	24.0
8	26.5	22.5	24.5	27.0	23.0	25.5	23.5	22.0	23.0	25.0	23.5	24.0
9	26.5	22.5	24.5	26.0	24.5	25.0	23.0	21.0	22.0	25.0	23.0	24.0
10	25.0	22.5	23.5	25.0	22.5	24.0	22.0	20.0	21.5	24.0	23.0	23.5
11	24.0	21.5	23.0	24.0	21.0	23.0	22.5	20.0	21.5	23.5	21.5	22.5
12	24.0	21.0	23.0	23.5	21.5	23.0	24.0	21.0	22.5	23.0	20.5	22.0
13	24.5	23.0	23.5	24.5	22.0	23.5	23.0	22.0	22.5	23.0	21.5	22.0
14	24.5	23.0	23.5	24.0	22.0	23.0	24.0	21.5	22.5	22.5	21.0	22.0
15	24.5	22.0	23.5	25.0	21.0	23.0	23.0	22.0	22.5	22.0	21.0	21.5
16	23.0	20.5	22.0	27.0	23.0	25.0	24.0	21.0	22.5	21.0	16.5	19.0
17	22.0	19.0	20.5	28.0	24.0	26.0	24.5	21.5	23.0	16.5	15.5	16.0
18	21.0	18.5	20.0	28.0	25.0	26.5	24.5	23.0	23.5	16.0	15.0	15.5
19	22.5	18.5	20.5	27.0	24.5	26.0	24.0	22.5	23.5	17.5	15.5	16.5
20	23.0	20.5	22.0	28.0	24.0	26.0	23.5	21.5	22.5	17.5	16.5	17.0
21	23.5	21.0	22.5	26.5	24.5	25.0	21.5	19.5	20.5	17.5	16.5	17.0
22	25.0	21.0	23.0	24.5	22.5	23.5	20.0	19.0	19.5	16.5	14.5	15.5
23	25.5	21.0	23.5	26.5	22.5	24.5	21.5	18.5	20.5	15.5	13.5	15.0
24	25.5	22.0	24.0	27.0	24.0	25.5	22.5	20.0	21.5	16.5	14.5	15.5
25	24.5	22.5	24.0	27.0	24.0	25.5	23.0	21.0	22.0	17.5	15.5	16.5
26	26.5	23.0	25.0	27.0	24.5	26.0	22.5	21.5	22.0	17.5	15.5	16.5
27	26.5	23.5	25.0	27.0	24.0	25.5	23.0	21.0	22.0	18.5	16.0	17.5
28	28.5	26.0	27.0	26.5	23.5	25.5	24.5	21.5	23.0	19.0	17.0	18.0
29	28.0	23.5	26.0	26.5	23.5	25.0	24.5	22.5	23.5	19.5	18.0	19.0
30	26.0	22.5	24.5	27.5	24.0	25.5	23.0	21.0	22.0	19.0	17.5	18.5
31	---	---	---	27.5	24.5	26.0	22.0	20.0	21.5	---	---	---
MONTH	28.5	18.5	23.0	30.5	21.0	25.0	28.0	18.5	22.5	25.0	13.5	20.0