



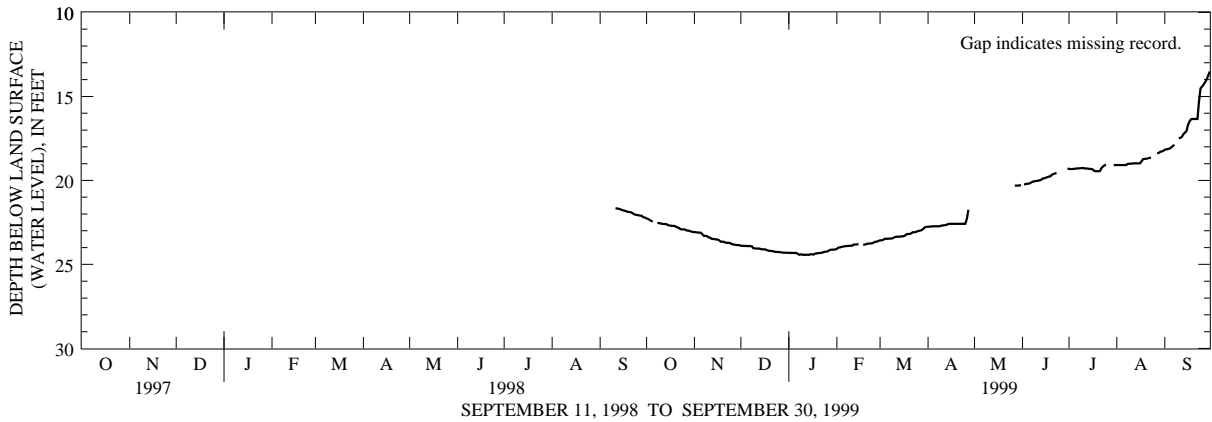
CHESTER COUNTY

395048075434702. Local number, CH 5175--Continued

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.26	23.08	23.89	24.31	24.07	23.57	22.76	---	---	19.31	19.09	18.17
2	22.30	23.09	23.90	24.32	24.00	23.56	22.75	---	20.25	19.32	19.09	18.15
3	22.35	23.10	23.90	24.31	23.99	23.53	22.74	---	20.22	19.32	19.09	18.14
4	22.41	23.11	23.90	24.32	23.95	23.47	22.73	---	20.20	19.31	19.09	18.10
5	22.45	23.11	23.91	24.32	23.94	23.47	22.73	---	20.20	19.30	19.09	18.05
6	---	23.20	23.91	24.32	23.92	23.47	22.73	---	20.16	19.29	19.09	17.97
7	---	23.30	23.91	24.39	23.91	23.46	22.73	---	20.10	19.28	19.09	17.87
8	22.54	23.30	23.92	24.42	23.90	23.46	22.73	---	20.07	19.28	19.02	---
9	22.54	23.31	24.03	24.40	23.90	23.44	22.71	---	20.05	19.27	19.00	---
10	22.56	23.38	24.05	24.42	23.89	23.40	22.69	---	20.04	19.26	19.00	17.50
11	22.58	23.41	24.06	24.43	23.88	23.36	22.68	---	20.02	19.28	18.99	17.46
12	22.60	23.47	24.06	24.42	23.82	23.35	22.66	---	19.99	19.29	18.98	17.40
13	22.60	23.49	24.06	24.42	23.82	23.35	22.64	---	19.96	19.29	18.98	17.24
14	22.61	23.50	24.09	24.43	23.81	23.35	22.59	---	19.89	19.31	18.98	17.15
15	22.66	23.51	24.10	24.39	23.80	23.33	22.58	---	19.87	19.31	18.98	17.06
16	22.69	23.52	24.10	24.40	---	23.33	22.58	---	19.84	19.32	18.98	16.69
17	22.70	23.57	24.11	24.41	---	23.29	22.58	---	19.80	19.41	18.86	16.48
18	22.71	23.64	24.16	24.35	23.84	23.21	22.58	---	19.77	19.45	18.73	16.35
19	22.71	23.65	24.18	24.34	23.82	23.19	22.58	---	19.76	19.45	18.72	16.34
20	22.76	23.66	24.19	24.33	23.79	23.19	22.58	---	19.66	19.45	18.71	16.34
21	22.80	23.70	24.20	24.32	23.76	23.16	22.58	---	19.62	19.44	18.69	16.34
22	22.84	23.71	24.22	24.31	23.76	23.09	22.58	---	19.59	19.27	18.66	16.34
23	22.90	23.71	24.25	24.29	23.75	23.09	22.58	---	19.55	19.18	18.64	15.32
24	22.91	23.72	24.25	24.25	23.74	23.07	22.58	---	---	19.10	---	14.52
25	22.91	23.78	24.26	24.24	23.69	23.03	22.58	---	---	19.07	---	14.41
26	22.93	23.80	24.26	24.23	23.65	23.01	22.29	---	---	---	---	14.30
27	22.98	23.83	24.29	24.17	23.64	22.98	21.75	20.31	---	19.09	18.38	14.15
28	22.98	23.84	24.30	24.13	23.60	22.95	---	20.31	---	---	18.37	13.99
29	23.02	23.85	24.30	24.12	---	22.87	---	20.31	---	---	18.30	13.76
30	23.04	23.85	24.31	24.11	---	22.79	---	20.30	19.30	19.09	18.27	13.52
31	23.07	---	24.31	24.11	---	22.77	---	20.28	---	19.09	18.24	---
MEAN	22.70	23.51	24.11	24.31	23.83	23.24	22.60	20.30	19.91	19.28	18.83	16.40
MAX	23.07	23.85	24.31	24.43	24.07	23.57	22.76	20.31	20.25	19.45	19.09	18.17
MIN	22.26	23.08	23.89	24.11	23.60	22.77	21.75	20.28	19.30	19.07	18.24	13.52

WTR YR 1999: HIGHEST 13.52, SEPTEMBER 30; LOWEST 24.43, JANUARY 11, 14.



CHESTER COUNTY

395048075434702. Local number, CH 5175--Continued  
(New Garden Township, Chester County, Spray Irrigation Project)

WATER-QUALITY RECORDS

REMARKS.-- Samples collected with submersible pump from recovery water after well was pumped dry.  
PERIOD OF RECORD.--May 1998 to current year.

WATER-QUALITY DATA, MAY 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	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)
MAY 1998											
22...	0930	80020	1028	--	6.3	6.8	125	--	14	2.4	1.6
OCT											
06...	1145	80020	1028	10.5	6.2	6.7	134	13.5	13	2.4	1.5
FEB 1999											
17...	1010	80020	1028	10.0	6.6	6.7	123	10.5	11	2.3	1.4
APR											
28...	1435	80020	1028	11.0	6.0	6.5	133	14.5	12	2.4	1.6
JUN											
01...	1300	80020	1028	--	6.4	--	165	12.5	--	--	--
28...	1230	9813	1028	--	5.9	--	188	13.5	12	2.2	1.4
JUL											
26...	1600	9813	1028	--	5.9	--	129	14.9	--	--	--
AUG											
24...	1500	9813	1028	--	6.8	--	127	13.0	--	--	--
SEP											
23...	1300	9813	1028	--	6.4	--	138	14.5	13	2.4	1.5

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC WATER UNFLTRD IT FIELD (MG/L AS CACO3) (00419)	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) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA (MG/L AS N) (00608)	NITRO-GEN, AM-ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
MAY 1998											
22...	5.7	37	2.5	<.10	20	22	.053	<.10	--	--	.613
OCT											
06...	6.0	27	2.5	<.10	21	21	<.020	.10	--	--	--
FEB 1999											
17...	10	36	2.5	<.10	22	21	<.020	E.06	--	--	--
APR											
28...	10	25	1.5	<.10	21	39	<.020	.16	--	--	--
JUN											
01...	--	33	--	--	--	--	<.020	--	.060	1.0	.770
28...	12	32	2.4	<.20	23	21	<.020	--	--	1.1	.790
JUL											
26...	--	32	--	--	--	--	.020	--	.030	1.2	.830
AUG											
24...	--	33	--	--	--	--	E.050	--	.050	1.5	.840
SEP											
23...	10	31	2.6	<.20	22	22	<.020	--	--	1.3	.910

DATE	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) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	ALUM-INUM, DIS-SOLVED (µG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (µG/L AS SB) (01095)	ARSENIC DIS-SOLVED (µG/L AS AS) (01000)	BARIUM, DIS-SOLVED (µG/L AS BA) (01005)
MAY 1998											
22...	.627	--	.014	.027	.010	.118	91	<10	<1.0	<1	39
OCT											
06...	.818	.92	<.010	E.031	.027	.095	90	<10	--	--	--
FEB 1999											
17...	.806	--	<.010	.078	.057	.252	98	<10	--	--	--
APR											
28...	.713	.88	<.010	.095	.052	.271	101	<10	--	--	--
JUN											
01...	--	--	<.040	.082	.072	--	--	--	--	--	--
28...	--	--	<.040	.125	.057	--	114	--	--	--	--
JUL											
26...	--	--	<.040	.126	.044	--	--	--	--	--	--
AUG											
24...	--	--	<.040	.189	.080	--	--	--	--	--	--
SEP											
23...	--	--	<.040	.148	.064	--	58	--	<2.0	<4	34

## CHESTER COUNTY

395048075434702. Local number, CH 5175--Continued

## WATER-QUALITY DATA, MAY 1998 TO SEPTEMBER 1999

DATE	BERYL- LIUM, DIS- SOLVED (µG/L AS BE) (01010)	BORON, DIS- SOLVED (µG/L AS B) (01020)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COBALT, DIS- SOLVED (µG/L AS CO) (01035)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LITHIUM DIS- SOLVED (µG/L AS LI) (01130)
MAY 1998 22...	<1.0	<16	--	<8.0	1.5	<12	<1.0	<10	<1.0	<4
OCT 06...	--	<16	--	--	--	--	--	14	--	--
FEB 1999 17...	--	<16	--	--	--	--	--	<10	--	--
APR 28...	--	E9.4	--	--	--	--	--	E7.3	--	--
JUN 01...	--	--	--	--	--	--	--	--	--	--
JUN 28...	--	<200	<.20	--	--	--	--	<20	--	--
JUL 26...	--	--	--	--	--	--	--	--	--	--
AUG 24...	--	--	--	--	--	--	--	--	--	--
SEP 23...	--	<200	<.20	<10	<4.0	--	<4.0	<20	<1.0	<25

DATE	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MERCURY DIS- SOLVED (µG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO) (01060)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (µG/L AS SE) (01145)	SILVER, DIS- SOLVED (µG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (µG/L AS V) (01085)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
MAY 1998 22...	51	<.1	<60	5.0	4	<1.0	57	<10	174	1.2
OCT 06...	12	--	--	--	--	--	--	--	62	.80
FEB 1999 17...	14	--	--	--	--	--	--	--	201	--
APR 28...	13	--	--	--	--	--	--	--	182	2.4
JUN 01...	--	--	--	--	--	--	--	--	--	--
JUN 28...	26	--	--	--	--	--	--	--	<10	1.9
JUL 26...	--	--	--	--	--	--	--	--	--	--
AUG 24...	--	--	--	--	--	--	--	--	--	--
SEP 23...	24	<.2	--	<4.0	<7	--	81	--	<10	1.0