

**GROUND-WATER DATA COLLECTED AT SPECIAL-STUDY SITES
CHESTER COUNTY WATER-QUALITY MONITORING PROJECT**

Ground-water samples were collected from selected wells in Chester County in July through August 2002 as part of the Chester County Ground-Water Quality Monitoring Program. The monitoring program began in 1980 with objectives that include providing data on ground-water quality (1) near suspected sources of contamination; (2) in areas of different land use or different underlying geology; (3) for specific contaminants or constituents countywide; and (4) in watersheds as part of regional assessment. Samples typically are collected each summer. In summer 2002, 6 wells were sampled in the county.

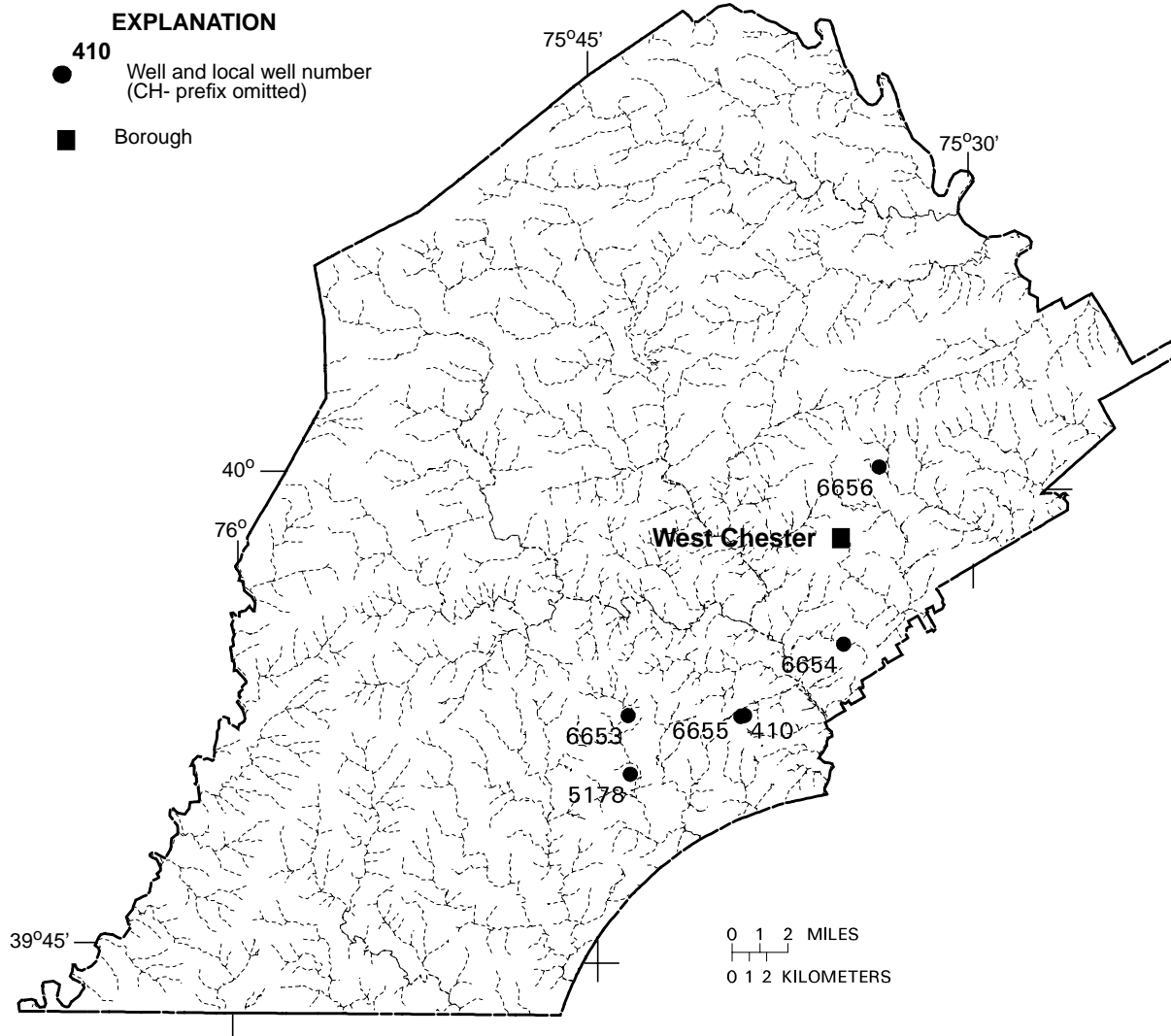


Figure 12.--Locations of selected ground-water well sites in the Chester County water-quality monitoring project.

**GROUND-WATER DATA COLLECTED AT SPECIAL-STUDY SITES
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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident- i- fier	Station number	Latitude	Longitude	Date	AGENCY	AGENCY	DEPTH	DEPTH	ELEV.		
					COL- LECTING SAMPLE (CODE NUMBER) (00027)	ANA- LYZING SAMPLE (CODE NUMBER) (00028)	BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)		OF WELL, TOTAL (FEET) (72008)	OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	
CH 410	395240075390801	39 52 40 N	075 39 08 W	07-29-02	1028	80020	62.01	270	395		
CH 5178	395049075434301	39 50 49 N	075 43 43 W	07-31-02	1028	80020	12.57	89.90	357.03		
CH 6653	395239075434701	39 52 38 N	075 43 47 W	08-01-02	1028	80020	4.15	35.67	360		
CH 6654	395454075350901	39 54 54 N	075 35 08 W	08-05-02	1028	80020	9.84	26.62	285		
CH 6655	395238075391601	39 52 38 N	075 39 15 W	08-06-02	1028	80020	18.40	55.15	340		
CH 6656	400024075334601	40 00 24 N	075 33 46 W	08-07-02	1028	80020	25.54	47.20	455		
Local ident- i- fier	Date	FLOW RATE (G/M) (00059)	SAM- PLING DEPTH (FEET) (00003)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
CH 410	07-29-02	4.8	240	750	.5	6.5	6.5	449	433	33.0	13.5
CH 5178	07-31-02	.90	38.0	755	8.9	5.8	6.3	361	349	28.0	15.2
CH 6653	08-01-02	1.1	34.5	755	6.3	5.8	6.1	188	187	30.0	13.2
CH 6654	08-05-02	.80	25.0	754	8.0	5.5	5.6	539	529	29.5	13.5
CH 6655	08-06-02	.90	48.0	749	.9	6.3	6.4	523	517	21.5	14.0
CH 6656	08-07-02	.50	45.0	751	7.9	4.9	5.0	366	353	22.0	14.7
Local ident- i- fier	Date	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)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	IODIDE, DIS- SOLVED (MG/L AS I) (71865)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
CH 410	07-29-02	44.7	15.4	5.68	13.1	.10	47.0	<.1	.007	26.3	66.1
CH 5178	07-31-02	37.7	12.9	3.22	5.90	.07	65.5	<.1	.003	15.7	20.1
CH 6653	08-01-02	18.4	6.85	1.95	6.65	E.02	6.18	E.1	E.002	23.6	25.2
CH 6654	08-05-02	42.4	18.6	6.06	28.5	.07	90.8	E.1	.003	15.5	61.7
CH 6655	08-06-02	40.6	14.8	5.09	44.9	.09	62.1	<.1	.009	21.7	56.7
CH 6656	08-07-02	14.8	15.9	2.10	19.0	.06	87.5	<.1	.003	9.7	.3
Local ident- i- fier	Date	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	COLI- FORM, FECAL, 0.7 µM-MF (COLS./ 100 ML) (31625)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)
CH 410	07-29-02	282	<.04	E.06	<.05	E.007	<.004	<.02	.8	0	<.2
CH 5178	07-31-02	245	<.04	<.10	1.61	<.008	.026	.02	E.3	0	<.2
CH 6653	08-01-02	125	<.04	<.10	3.46	<.008	.034	.04	<.6	0	<.2
CH 6654	08-05-02	368	<.04	E.10	7.79	<.008	.030	.02	.8	0	<.2
CH 6655	08-06-02	325	<.04	E.06	3.80	.142	<.004	<.02	.8	0	E.1
CH 6656	08-07-02	265	<.04	<.10	5.35	<.008	E.003	<.02	1.1	0	<.2
Local ident- i- fier	Date	BARIUM, DIS- SOLVED (µG/L AS BA) (01005)	BORON, DIS- SOLVED (µG/L AS B) (01020)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	LITHIUM DIS- SOLVED (µG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	STRON- TIUM, DIS- SOLVED (µG/L AS SR) (01080)	1,4-DI- CHLORO- BENZENE DISSOLV (µG/L) (34572)	1METHYL NAPH- THALENE WATER, FILTERD REC (µG/L) (62054)	26DIMET NAPH- THALENE WATER, FILTERD REC (µG/L) (62055)
CH 410	07-29-02	106	30	2680	E.08	5	288	160	<.5	<.5	<.5
CH 5178	07-31-02	172	20	<10	.49	<4	<2.0	170	<.5	<.5	<.5
CH 6653	08-01-02	148	20	<10	.55	<4	<2.0	183	<.5	<.5	<.5
CH 6654	08-05-02	68.1	250	24	.81	7	4.6	520	<.5	<.5	<.5
CH 6655	08-06-02	86.1	90	19	.29	E3	205	178	<.5	<.5	<.5
CH 6656	08-07-02	250	20	E9	2.82	E3	27.0	175	<.5	<.5	<.5

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local ident- ifier	Date	2METHYL- NAPH- THALENE WATER, FLTRD REC (µG/L) (62056)	3-BETA- COPRO- STANOL, WATER, FLTRD REC (µG/L) (62057)	3METHYL 1(H)- INDOLE, WATER, FLTRD REC (µG/L) (62058)	3-TERT- BHA, WATER, FLTRD REC (µG/L) (62059)	4-CUMYL PHENOL, WATER, FLTRD REC (µG/L) (62060)	4-OCTYL PHENOL, WATER, FLTRD REC (µG/L) (62061)	4-TERT- OCTYL- PHENOL, WATER, FLTRD REC (µG/L) (62062)	5METHYL 1HBENZO TRIAZLE WATER, FLTRD REC (µG/L) (62063)	ACETO- PHENONE WATER, FLTRD REC (µG/L) (62064)	AHT NAPH- THALENE WATER, FLTRD REC (µG/L) (62065)
CH 410	07-29-02	<.5	<2	<1	<5	<1	<1	<1	<2	E.1	<.5
CH 5178	07-31-02	<.5	<2	<1	<5	<1	<1	<1	<2	<.5	<.5
CH 6653	08-01-02	<.5	<2	<1	<5	<1	<1	<1	<2	<.5	<.5
CH 6654	08-05-02	<.5	<2	<1	<5	<1	<1	<1	<2	<.5	E.1
CH 6655	08-06-02	<.5	<2	<1	<5	<1	<1	<1	<2	<.5	<.5
CH 6656	08-07-02	<.5	<2	<1	<5	<1	<1	<1	<2	<.5	<.5
Local ident- ifier	Date	ANTHRA- CENE DISSOLV (µG/L) (34221)	ANTHRA- QUINONE WATER, FLTRD REC (µG/L) (62066)	BENZO- A- PYRENE DISSOLV (µG/L) (34248)	BENZO- PHENONE WATER, FLTRD REC (µG/L) (62067)	BETA- SITOS- TEROL, WATER, FLTRD REC (µG/L) (62068)	BISPHE- NOL A, WATER, FLTRD REC (µG/L) (62069)	BISPHE- NOL A-D3 S2033/ 8033 WAT FLT PERCENT (99583)	BRO- MACIL, WATER, DISS, FORM REC (µG/L) (04029)	BROMO- DISSOLV (µG/L) (34288)	CAF- FEINE, WATER, FLTRD REC (µG/L) (50305)
CH 410	07-29-02	<.5	<.5	<.5	M	<2	<1	72.7	<.5	<.5	<.5
CH 5178	07-31-02	<.5	<.5	<.5	<.5	<2	<1	63.7	<.5	<.5	<.5
CH 6653	08-01-02	<.5	<.5	<.5	<.5	<2	<1	41.2	<.5	<.5	<.5
CH 6654	08-05-02	<.5	<.5	<.5	<.5	<2	<1	70.3	<.5	<.5	<.5
CH 6655	08-06-02	<.5	<.5	<.5	<.5	<2	<1	70.8	<.5	<.5	<.5
CH 6656	08-07-02	<.5	<.5	<.5	<.5	<2	<1	60.7	<.5	E.1	<.5
Local ident- ifier	Date	CAFFE- INE-C13 SURRGTE S2033/ 8033 WAT FLT PERCENT (99584)	CAMPHOR WATER, FLTRD REC (µG/L) (62070)	CAR- BARYL WATER, FLTRD 0.7 µ GF, REC (µG/L) (82680)	CARBA- ZOLE, WATER, FLTRD REC (µG/L) (62071)	CHLOR- PYRIFOS DIS- SOLVED (µG/L) (38933)	CHOLE- TEROL, WATER, FLTRD REC (µG/L) (62072)	COT- ININE, WATER, FLTRD REC (µG/L) (62005)	DCFLBI- PHENYL, SURRGTE S2033/ 8033 WAT FLT PERCENT (99585)	DI- AZINON, DIS- SOLVED (µG/L) (39572)	D-LIMO- NENE, WATER, FLTRD REC (µG/L) (62073)
CH 410	07-29-02	81.9	<.5	<1	<.5	<.5	<2	<1	75.6	<.5	<.5
CH 5178	07-31-02	87.8	<.5	<1	<.5	<.5	<2	<1	51.0	<.5	<.5
CH 6653	08-01-02	75.4	<.5	<1	<.5	<.5	<2	<1	38.5	<.5	<.5
CH 6654	08-05-02	74.0	<.5	<1	<.5	<.5	<2	<1	49.0	<.5	<.5
CH 6655	08-06-02	77.7	<.5	<1	<.5	<.5	<2	<1	61.8	<.5	<.5
CH 6656	08-07-02	70.5	<.5	<1	<.5	<.5	<2	<1	49.0	<.5	<.5
Local ident- ifier	Date	FLUOR- ANTHENE DISSOLV (µG/L) (34377)	FLUORO- ANTHENE D10 SUR S2033/ 8033 WAT FLT PERCENT (99586)	HHMCP- BENZO- PYRAN, WATER, FLTRD REC (µG/L) (62075)	INDOLE, WATER, FLTRD REC (µG/L) (62076)	ISOBOR- NEOL, WATER, FLTRD REC (µG/L) (62077)	ISO- PHORONE DISSOLV (µG/L) (34409)	ISO- PROPYL BENZENE WATER, FLTRD REC (µG/L) (62078)	ISO- QUIN- OLINE, WATER, FLTRD REC (µG/L) (62079)	MENTHOL WATER, FLTRD REC (µG/L) (62080)	METAL- AXYL WATER, FLTRD REC (µG/L) (50359)
CH 410	07-29-02	<.5	71.4	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
CH 5178	07-31-02	<.5	74.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
CH 6653	08-01-02	<.5	58.4	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
CH 6654	08-05-02	<.5	69.3	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
CH 6655	08-06-02	<.5	70.6	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
CH 6656	08-07-02	<.5	67.8	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M
Local ident- ifier	Date	METHYL SALICY- LATE, WATER, FLTRD REC (µG/L) (62081)	METO- LACHLOR WATER DISSOLV (µG/L) (39415)	DEET, WATER, FLTRD REC (µG/L) (62082)	NAPHTH- ALENE DISSOLV (µG/L) (34443)	NONYL- PHENOL, DIETHOX WATER, FLTRD REC (µG/L) (62083)	DI- ETHOXY- OCTYL- PHENOL WAT FLT REC (µG/L) (61705)	MONO- ETHOXY- OCTYL- PHENOL WAT FLT REC (µG/L) (61706)	PARA- CRESOL, WATER, FLTRD REC (µG/L) (62084)	PARA- NONYL- PHENOL, WATER, FLTRD REC (µG/L) (62085)	PENTA- CHLORO- PHENOL DISSOLV (µG/L) (34459)
CH 410	07-29-02	<.5	<.5	E.1	<.5	<5	<1	<1	<1	<5	<2
CH 5178	07-31-02	<.5	<.5	<.5	<.5	<5	<1	<1	<1	<5	<2
CH 6653	08-01-02	<.5	<.5	<.5	<.5	<5	<1	<1	<1	<5	<2
CH 6654	08-05-02	<.5	M	M	<.5	<5	<1	<1	<1	<5	<2
CH 6655	08-06-02	<.5	<.5	M	<.5	<5	<1	<1	<1	<5	<2
CH 6656	08-07-02	<.5	<.5	<.5	<.5	<5	<1	<1	<1	<5	<2

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Local ident- i- fier	Date	PHENAN	PHENOL	PRO-		STIGMA-	TETRA-	FYROL	FYROL	TRIBUTL	TRICLO-
		- THREN EDISSOL V(µG/L) (34462)	WATER FILTRD (µG/L) (34466)	METON, WATER, DISS, REC (µG/L) (04037)	PYRENE DISSOLV (µG/L) (34470)	STANOL, WATER, FLTRD REC (µG/L) (62086)	CHLORO- ETHY- LENE DISSOLV (µG/L) (34476)	CEF, WATER, FLTRD REC (µG/L) (62087)	PCF, WATER, FLTRD REC (µG/L) (62088)	PHOS- PHATE, WATER, FLTRD REC (µG/L) (62089)	SAN, WATER, FLTRD REC (µG/L) (62090)
CH 410	07-29-02	<.5	.6	<.5	<.5	<2	<.5	<.5	<.5	<.5	<1
CH 5178	07-31-02	<.5	<.5	<.5	<.5	<2	<.5	<.5	<.5	<.5	<1
CH 6653	08-01-02	<.5	<.5	<.5	<.5	<2	<.5	<.5	<.5	<.5	<1
CH 6654	08-05-02	<.5	<.5	<.5	<.5	<2	<.5	E.1	E.2	<.5	<1
CH 6655	08-06-02	<.5	<.5	<.5	<.5	<2	<.5	M	M	<.5	<1
CH 6656	08-07-02	<.5	<.5	<.5	<.5	<2	<.5	<.5	<.5	<.5	M

Local ident- i- fier	Date	TRI-	TRIPHNL	TRIS(2-	DICHLOR	SAMPLE
		ETHYL CITRATE WATER, FLTRD REC (µG/L) (62091)	PHOS- PHATE, WATER, FLTRD REC (µG/L) (62092)	BUTOXE- PHOS- PHATE, WATER, FLTRD REC (µG/L) (62093)	WOS, WATER, FLTRD REC (µG/L) (38775)	WEIGHT, WASTE- WATER METHOD, WAT FLT (ML) (99587)
CH 410	07-29-02	<.5	E.1	E.1	<1.00	885
CH 5178	07-31-02	<.5	<.5	<.5	<1.00	956
CH 6653	08-01-02	<.5	<.5	<.5	<1.00	927
CH 6654	08-05-02	<.5	<.5	<.5	<1.00	925
CH 6655	08-06-02	<.5	<.5	<.5	<1.00	922
CH 6656	08-07-02	<.5	<.5	<.5	<1.00	945