

**GROUND-WATER DATA COLLECTED AT SPECIAL-STUDY SITES
BACTERIA IN GROUND-WATER PROJECT**

The following table contains water-quality data from private, household-supply wells sampled as part of a study to describe the relation between well-construction characteristics in south-central and southeastern Pennsylvania and the occurrence of bacteria in ground water. Results are based on water samples that were analyzed for concentrations of total coliform and *Escherichia coli* (*E. coli*) bacteria in two geologic settings (areas underlain by carbonate rock and areas underlain by noncarbonate rock) in predominantly agricultural land-use settings. Other data for this project can be found in the annual Water Data Report PA-01-1. For additional information, contact Tammy Zimmerman at the U.S. Geological Survey, 215 Limekiln Road, New Cumberland, PA 17070; 717-730-6974 (email: tmzimmer@usgs.gov).

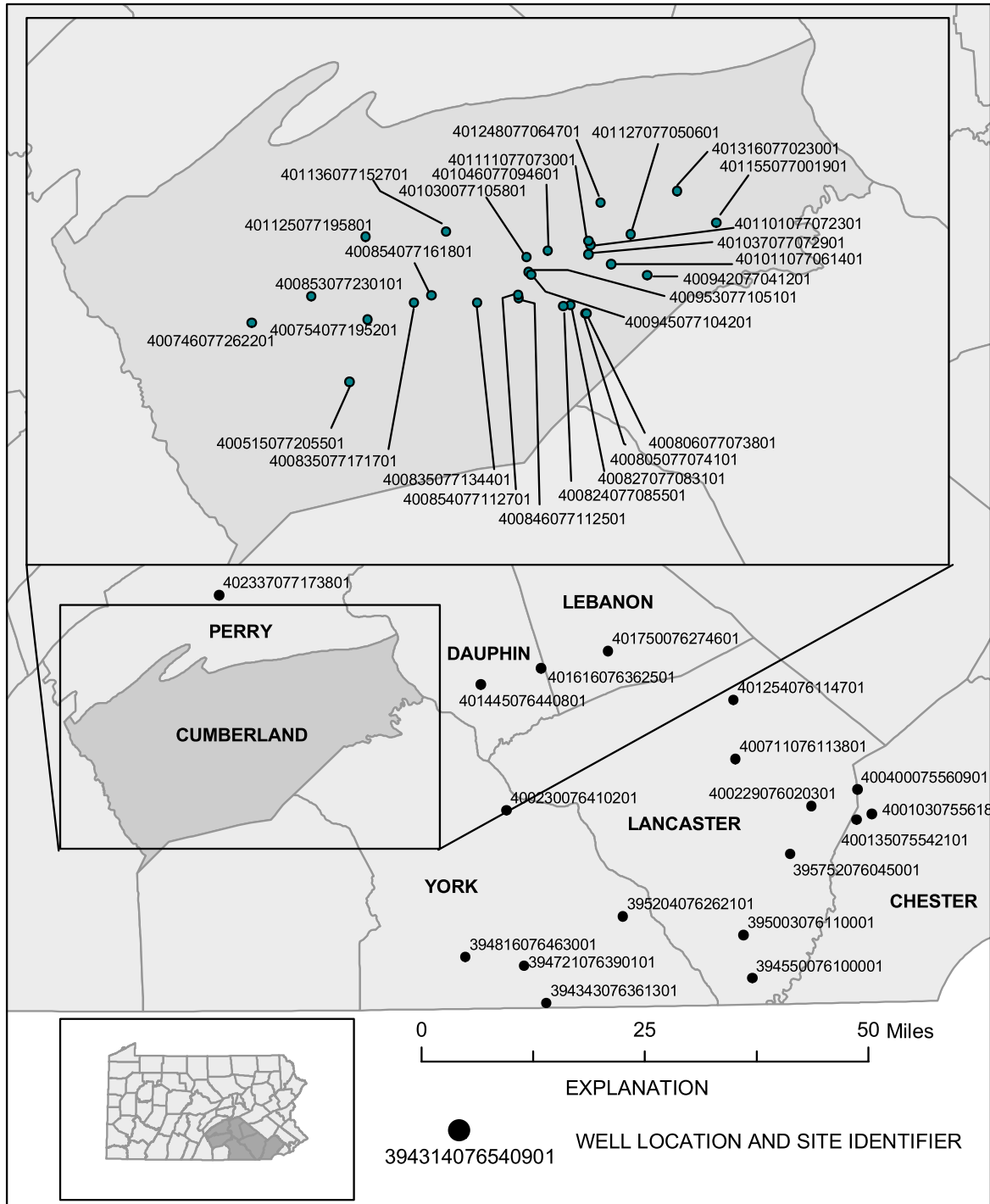


Figure 12.--Location of wells sampled as part of the bacteria in ground-water project.

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

STATION NUMBER	DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	TOTAL COLI-FORM, M ENDO M, WTR (COL/100 ML) (31501)	E COLI NA-MUG WATER (COL/100 ML) (50278)
400230076410201	11-20-00	1100	1028	1.7	7.2	213	12.3	K9	<1
400400075560901	11-14-00	0900	1028	7.2	6.4	230	11.8	K6	<1
401125077195801	11-21-00	1200	1028	7.6	7.0	640	11.4	K11	<1
400824077085501	12-04-00	1300	1028	6.6	7.2	469	11.6	K1	<1
400806077073801	10-17-00	1535	1028	4.7	9.0	169	11.7	K6	<1
401136077152701	11-30-00	1100	1028	6.5	7.0	667	11.3	K7	K1
401111077073001	12-21-00	1000	1028	5	6.7	713	11.4	>81	>81
400746077262201	11-30-00	0900	1028	6.7	6.9	708	11.6	K2	K1
400854077161801	12-26-00	0900	1028	7.6	6.9	591	11.1	K3	<1
395752076045001	11-27-00	0930	1028	8.3	5.5	201	12.2	27	<1
400827077083101	01-31-01	0900	1028	2.9	7.3	458	11.8	<1	--
400805077074101	12-21-00	1200	1028	7.7	8.1	217	11.3	K3	<1
400135075542101	11-06-00	0900	1028	6.7	4.5	143	12.8	<1	--
395003076110001	10-26-00	0900	1028	8.5	5.6	144	11.8	<1	--
402337077173801	10-16-00	1300	1028	1.6	7.4	559	12.5	K15	<1
401316077023001	12-20-00	1000	1028	4.6	7.0	631	11.4	K3	K1
400103075561801	12-06-00	1400	1028	7.2	7.8	279	10.9	<1	--
394550076100001	10-12-00	1030	1028	8.4	5.4	202	12.0	K2	<1
400515077205501	11-29-00	1130	1028	9.8	7.6	247	10.3	K1	<1
394721076390101	10-25-00	1230	1028	7.2	4.9	172	12.9	<1	--
401248077064701	10-17-00	1200	1028	5.3	7.8	648	11.8	K9	<1
401046077094601	12-26-00	1430	1028	4.3	6.9	633	10.5	K6	<1
400853077230101	11-29-00	1000	1028	8.1	6.9	634	11.6	K9	<1
401445076440801	12-04-00	1200	1028	6.7	6.8	642	12.6	39	K4
400854077112701	12-10-00	1600	1028	8.3	7.1	575	11.3	23	K1
394343076361301	10-25-00	1600	1028	10.0	5.3	226	12.5	<1	--
401127077050601	10-26-00	1400	1028	8.8	7.1	670	12.1	K6	<1
400229076020301	01-29-01	1300	1028	9.1	7.2	641	12.1	<1	--
401101077072301	11-14-00	1150	1028	7.8	7.0	575	11.6	<1	--
400754077195201	11-29-00	1500	1028	8.1	7.1	631	11.1	<1	--
400846077112501	09-27-00	1000	1028	3.8	7.6	539	11.9	K10	<1
401750076274601	12-04-00	1000	1028	8.1	6.9	598	10.2	>81	>81
401254076114701	01-28-01	0900	1028	8.1	6.9	712	11.6	K1	<1
400945077104201	12-20-00	1400	1028	7.5	7.1	573	11.2	K1	K1
395204076262101	12-04-00	1700	1028	9.0	5.0	175	12.3	<1	<1
400942077041201	11-21-00	0900	1028	8.9	7.3	587	11.4	K1	<1
400835077171701	11-30-00	1330	1028	7.2	7.1	622	11.2	K7	K1
400835077134401	12-05-00	1100	1028	8.6	6.9	561	11.2	<1	--
400953077105101	03-27-01	1000	1028	6.5	6.8	555	10.6	<1	--
401011077061401	11-21-00	1000	1028	8.1	7.2	579	11.6	K7	<1
401155077001901	11-21-00	0730	1028	7.6	7.7	520	11.7	K15	<1
401030077105801	03-29-01	0910	1028	8.3	7.8	574	10.7	K2	<1
401616076362501	10-04-00	1345	1028	6.5	7.0	499	14.6	K1	<1
401037077072901	10-11-00	0930	1028	9.0	6.9	481	12.0	K13	<1
400711076113801	01-29-01	1130	1028	1.1	7.1	759	12.2	K5	<1
394816076463001	11-20-00	1400	1028	9.0	5.2	97	12.3	>81	<1