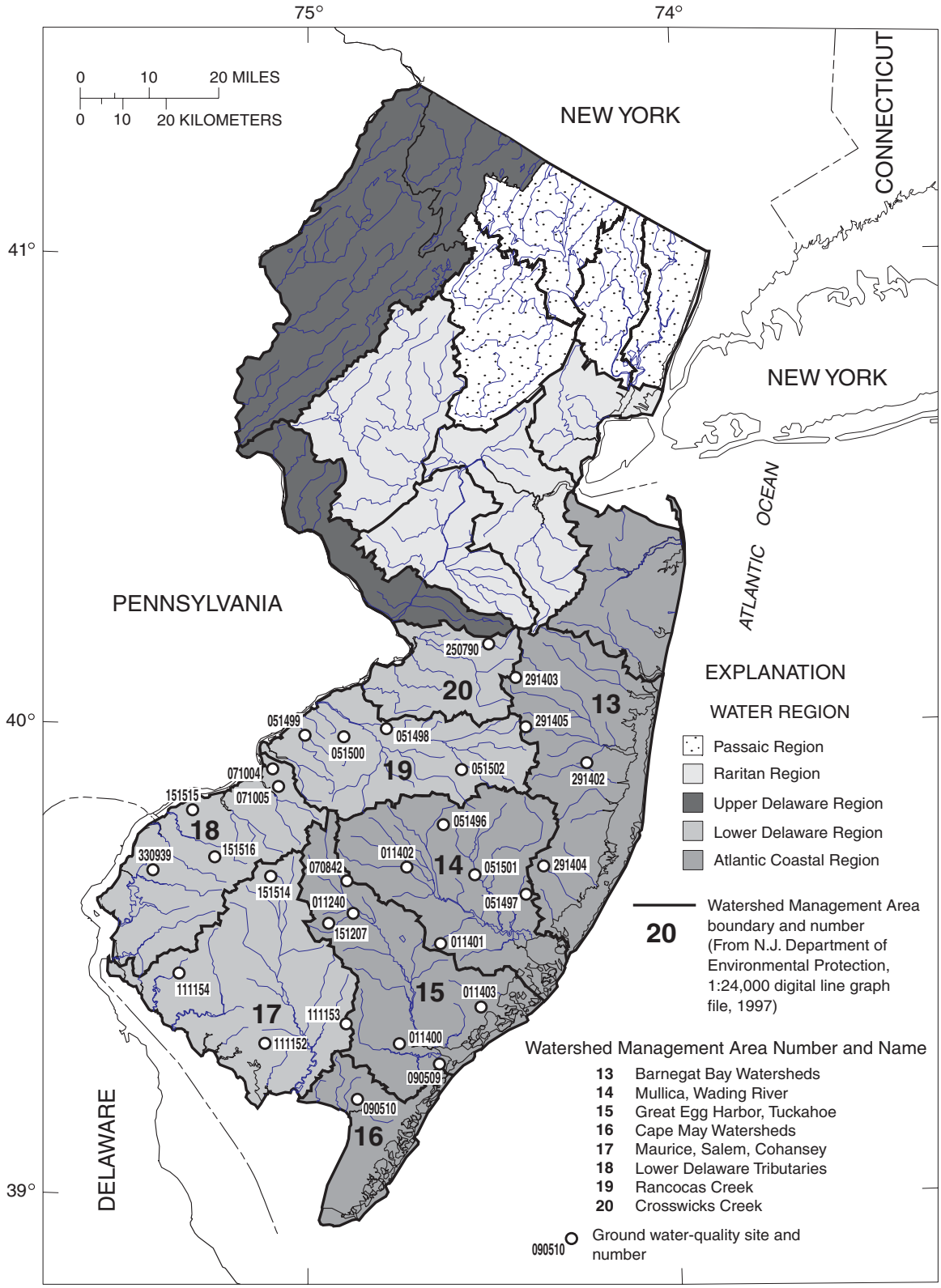

Base from U.S. Geological Survey digital line graph files, 1:24,000

Figure 40. Location of wells in the Ambient Ground-Water-Quality Monitoring Network, water year 2005.

WATERSHED MANAGEMENT AREA 13

MULTIPLE STATION ANALYSES

Station number	Date	Time	NJUID number and Station name	Agency collecting sample, code (00027)	NJDEP Permit number	Geologic unit
394117074214001	04-19-05	0930	291404-- STAFFORDFORGE MW57	34001	32-24597	121CKKD
395417074143401	07-11-05	1000	291402-- DOUBLETROUBLE MW60	34001	33-39613	121CKKD
395900074242801	04-20-05	0930	291405-- MANCHESTER MW62	34001	32-24594	121CKKD
400529074260601	07-13-05	1000	291403-- COLLIERSMILLS MW65	34001	28-46275	121CKKD

Station number	Date	Latitude	Longitude	Depth of well, feet below LSD (72008)	Depth to bot sample intrval feet below LSD (72016)	Depth to top sample intrval feet below LSD (72015)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)
394117074214001	04-19-05	39 41 17 N	074 21 40 W	17.3	17	12	10.00	50	.50	30	1.0
395417074143401	07-11-05	39 54 17 N	074 14 34 W	8	8.0	3.0	2.00	37	.50	45	2.2
395900074242801	04-20-05	39 59 00 N	074 24 28 W	18	18	13	5.80	120	.50	35	1.1
400529074260601	07-13-05	40 05 29 N	074 26 06 W	10.5	10	5.5	5.00	135	.50	30	.3

Station number	Date	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
394117074214001	04-19-05	761	7.4	65	4.8	49	9.1	13	1.42	2.24	.37	1.97
395417074143401	07-11-05	762	.4	4	4.5	46	15.3	2	.31	.265	<.16	4.11
395900074242801	04-20-05	756	8.6	76	4.5	127	9.9	6	1.62	.400	E.08	17.5
400529074260601	07-13-05	760	5.0	49	4.3	43	14.5	2	.29	.220	E.08	2.05

Station number	Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
394117074214001	04-19-05	--	--	3.24	E.1	2.8	9.6	29	<.10	<.04	.84	<.008
395417074143401	07-11-05	.3	2	5.50	<.1	3.2	3.0	71	.48	E.03	<.06	<.008
395900074242801	04-20-05	--	--	27.8	<.1	2.5	11.4	60	<.10	<.04	<.06	<.008
400529074260601	07-13-05	--	--	4.27	<.1	2.7	11.0	23	<.10	<.04	<.06	<.008

Station number	Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)
394117074214001	04-19-05	<.02	.4	103	<.20	<.2	24	.12	11	.05	<.8	E.4
395417074143401	07-11-05	<.02	29.5	2,080	<.20	1.0	6	<.06	15	<.04	4.6	E.3
395900074242801	04-20-05	<.02	.7	1,030	<.20	<.4	30	.09	20	.20	<.8	.9
400529074260601	07-13-05	<.02	1.1	888	<.20	<.2	12	.12	10	.14	<.8	.4

Geologic Unit (aquifer): 121CKKD - Cohansey Sand-Kirkwood Formation.

Collecting Agency: 34001 - NJDEP

WATERSHED MANAGEMENT AREA 13—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Station number	Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Thallium, water, fltrd, ug/L (01057)	Zinc, water, fltrd, ug/L (01090)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)
394117074214001	04-19-05	<6	.09	11.5	<.01	.90	<.4	<.2	<.04	3.4	<.1	<.1
395417074143401	07-11-05	2,930	.57	2.6	<.01	1.81	.6	<.2	<.04	29.8	<.1	<.1
395900074242801	04-20-05	<6	E.05	47.2	<.01	1.17	<.8	<.2	<.04	21.9	<.1	<.1
400529074260601	07-13-05	<6	<.08	21.6	<.01	1.51	E.2	<.2	<.04	26.8	<.1	<.1

Station number	Date	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	Benzene water unfltrd ug/L (34030)	Bromodichloromethane water unfltrd ug/L (32101)	Chlorobenzene water unfltrd ug/L (34301)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)
394117074214001	04-19-05	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1
395417074143401	07-11-05	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1
395900074242801	04-20-05	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1
400529074260601	07-13-05	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1

Station number	Date	Dibromochloromethane water unfltrd ug/L (32105)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethylbenzene water unfltrd ug/L (34371)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	o-Xylene, water, unfltrd ug/L (77135)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)
394117074214001	04-19-05	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1
395417074143401	07-11-05	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1
395900074242801	04-20-05	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1
400529074260601	07-13-05	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1

Station number	Date	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	Tribromomethane water unfltrd ug/L (32104)	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Alpha radioac 30 day, wat flt Th-230, pCi/L (62639)
394117074214001	04-19-05	<.2	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	M
395417074143401	07-11-05	<.2	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	4
395900074242801	04-20-05	<.2	<.1	<.2	<.1	<.1	<.2	<.1	<.2	1.6	<.2	2
400529074260601	07-13-05	<.2	<.1	<.2	<.1	<.1	<.2	<.1	<.2	.4	<.2	2

Station number	Date	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Beta radioac 30 day, wat flt Cs-137, pCi/L (62645)	Beta radioac 72 hr, wat flt Cs-137, pCi/L (62642)
394117074214001	04-19-05	M	M	1
395417074143401	07-11-05	5	3	5
395900074242801	04-20-05	6	3	6
400529074260601	07-13-05	6	3	4

Remark codes used in this table:
< -- Less than.
E -- Estimated.
M-- Presence verified but not quantified.

WATERSHED MANAGEMENT AREA 13—Continued

WATER-COLUMN PESTICIDE ANALYSES

The following were determined using laboratory schedule 2001 (listed in its entirety, with laboratory reporting levels, in "Laboratory Measurements" in the Explanation of Water-Quality Records section of this report). Only pesticides detected in one or more ground-water samples are listed in the following table.

MULTIPLE STATION ANALYSES

Station number	Date	Time	CIAT, water, fltrd, ug/L (04040)	Atra-zine, water, fltrd, ug/L (39632)	Metola-chlor, water, fltrd, ug/L (39415)	Prome-ton, water, fltrd, ug/L (04037)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)
394117074214001	04-19-05	0930	<.006	<.007	<.006	<.01	<.005	<.02
395417074143401	07-11-05	1000	<.006	<.007	<.006	<.01	<.005	<.02
395900074242801	04-20-05	0930	<.006	<.007	<.006	<.01	<.005	<.02
400529074260601	07-13-05	1000	<.006	<.007	<.006	<.01	<.005	<.02

Remark codes used in this table:
< -- Less than.