

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

Ground-water-quality data were collected for the Albemarle-Pamlico Drainage Basin study unit for the National Water Quality Assessment Program during April 2001. Objectives of the study are to provide data for characterizing water-quality of shallow aquifers in the Coastal Plain of North Carolina and for evaluating trends in ground-water quality. Well CA-087 is located in Camden county; well LU-012 is located in Suffolk county, Virginia; well WA-185 is located in Wayne county; well BO-413 is located in Beaufort county; well LN-184 is located in Lenoir county. Well locations for sites listed in the following tables are shown in figure 10.

WATER QUALITY DATA, APRIL 2001

LOCAL IDENTIFIER	STATION NUMBER	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
CA-087	362527076163301	04-23-01	1556	2.65	10.0	13	768	.1	5.7	407
LU-012	363529076291701	04-23-01	1325	.54	5.0	15	768	1.6	4.8	56
WA-185	352905077594501	04-24-01	1317	11.68	33.0	134	659	.1	5.1	106
BO-413	352548077012701	04-24-01	0949	6.90	27.0	33.0	768	M	7.0	242
LN-184	352305077321701	04-26-01	1230	7.38	15.07	72	767	3.0	6.0	200

LOCAL IDENTIFIER	DATE	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)	SODIUM, DIS-SOLVED (MG/L) (AS NA) (00930)	ALKA-LINITY WAT TOT (MG/L AS CACO3) (39086)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	BROMIDE DIS-SOLVED (MG/L) (AS BR) (71870)	CHLO-RIDE, DIS-SOLVED (MG/L) (AS CL) (00940)
CA-087	04-23-01	18.0	5.95	6.79	1.43	46.7	--	57	--	.18	71.9
LU-012	04-23-01	14.5	5.93	.945	1.35	4.2	--	--	--	1.17	7.2
WA-185	04-24-01	19.5	3.17	1.28	2.21	8.0	5	6	7	.06	15.9
BO-413	04-24-01	17.0	40.6	1.35	.67	7.6	78	112	95	.13	12.1
LN-184	04-26-01	15.0	15.8	5.07	4.55	2.0	34	28	40	.06	7.2

LOCAL IDENTIFIER	DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC DIS. (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)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (AS P) (00671)
CA-087	04-23-01	E.1	32.6	10.7	252	.195	.32	<.047	<.006	.054	<.018
LU-012	04-23-01	<.2	9.7	.8	286	.557	3.5	<.047	.013	.052	.028
WA-185	04-24-01	<.2	21.7	15.0	78	E.023	E.07	<.047	.019	.036	.021
BO-413	04-24-01	.3	43.5	.2	184	.041	E.09	<.047	<.006	.007	<.018
LN-184	04-26-01	.3	6.6	17.0	131	.052	.17	7.99	.006	.018	<.018

LOCAL IDENTIFIER	DATE	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ALPHA BHC, DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN, WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, FLTRD, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS, DIS-SOLVED (UG/L) (38933)
CA-087	04-23-01	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
LU-012	04-23-01	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
WA-185	04-24-01	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
BO-413	04-24-01	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005
LN-184	04-26-01	<.002	<.004	<.002	<.005	.433	<.010	<.002	<.041	<.020	<.005

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, APRIL 2001

LOCAL IDENTIFIER	DATE	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER, FLTRD, 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)			DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN, DIS-SOLVED (UG/L) (39381)	DISULFOTON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82677)	EPTC WATER, FLTRD, 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN, WAT FLT (UG/L) (82663)	ETHO-PROP WATER, FLTRD, 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER, DISS, REC (UG/L) (04095)
CA-087	04-23-01	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.009	<.005	<.005	<.003
LU-012	04-23-01	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.009	<.005	<.005	<.003
WA-185	04-24-01	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.009	<.005	<.005	<.003
BO-413	04-24-01	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.009	<.005	<.005	<.003
LN-184	04-26-01	<.018	<.003	E.043	<.005	<.005	<.021	<.002	<.009	<.009	<.005	<.005	<.003
LOCAL IDENTIFIER	DATE	LINDANE DIS-SOLVED (UG/L) (39341)	LINURON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82666)	MALATHION, DIS-SOLVED (UG/L) (39532)	METHYL AZINPHOS, WAT FLT (UG/L) (82686)	METHYL PARATHION, WAT FLT (UG/L) (82667)	METO-LACHLOR WATER, DISSOLV (UG/L) (39415)	METRI-BUZIN WATER, DISSOLV (UG/L) (82630)	MOLINATE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82684)	P,P'DDE DISSOLV (UG/L) (34653)		
CA-087	04-23-01	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003		
LU-012	04-23-01	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003		
WA-185	04-24-01	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003		
BO-413	04-24-01	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003		
LN-184	04-26-01	<.004	<.035	<.027	<.050	<.006	.062	<.006	<.002	<.007	<.003		
LOCAL IDENTIFIER	DATE	PARATHION, DIS-SOLVED (UG/L) (39542)	PEBULATE WATER, FILTRD, 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN, WAT FLT (UG/L) (82683)	PERMETHRIN CIS, WAT FLT (UG/L) (82687)	PHORATE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82685)		
CA-087	04-23-01	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023		
LU-012	04-23-01	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023		
WA-185	04-24-01	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023		
BO-413	04-24-01	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023		
LN-184	04-26-01	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023		
LOCAL IDENTIFIER	DATE	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER, FLTRD, 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER, FLTRD, 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82678)	TRI-FLURALIN, WAT FLT (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L) (34511)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L) (34496)		
CA-087	04-23-01	<.011	<.016	<.034	<.017	<.008	<.002	<.009	<.03	<.06	<.04		
LU-012	04-23-01	<.011	<.016	<.034	<.017	<.005	<.002	<.009	--	--	--		
WA-185	04-24-01	<.011	<.016	<.034	<.017	<.005	<.002	<.009	<.03	<.06	E.07		
BO-413	04-24-01	<.011	<.016	<.034	<.017	<.005	<.002	<.009	<.03	<.06	<.04		
LN-184	04-26-01	<.011	<.016	<.034	<.017	<.005	<.002	<.009	<.03	<.06	<.04		
LOCAL IDENTIFIER	DATE	1,1-DI-CHLORO-ETHYLENE, TOTAL (UG/L) (34501)	1,1-DI-CHLORO-PRO-PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI-CHLORO-PROPANE, WATER, WHOLE TOTAL (UG/L) (77443)	1,2-DIBROMO ETHANE, WATER, WHOLE TOTAL (UG/L) (77651)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE, TOTAL (UG/L) (34546)	2,2-DI-CHLORO-PRO-PANE, WAT, WH TOTAL (UG/L) (77170)	2BUTENE TRANS-1,4-DI-CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA-NONE, WATER, WHOLE TOTAL (UG/L) (77103)		
CA-087	04-23-01	<.04	<.03	<.2	<.04	<.1	<.03	<.03	<.05	<.7	<.7		
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--		
WA-185	04-24-01	<.04	<.03	<.2	<.04	<.1	<.03	<.03	<.05	<.7	<.7		
BO-413	04-24-01	<.04	<.03	<.2	<.04	<.1	<.03	<.03	<.05	<.7	<.7		
LN-184	04-26-01	<.04	<.03	<.2	<.04	<.1	<.03	<.03	<.05	<.7	<.7		

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LOCAL IDENTIFIER	DATE	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	1,2,3-TRI-CHLORO-BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI-METHYL-WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI-METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI-METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)
CA-087	04-23-01	<7	<1	<.3	<.1	<.2	<.06	<.04	<.03	<.05	<.03
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<7	<1	<.3	<.1	<.2	<.06	<.04	<.03	<.05	<.03
BO-413	04-24-01	<7	<1	<.3	<.1	<.2	<.06	<.04	<.03	<.05	<.03
LN-184	04-26-01	<7	<1	<.3	<.1	<.2	<.06	<.04	<.03	<.05	<.03

LOCAL IDENTIFIER	DATE	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPYL WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL-WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT-BUTYL-WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)	BROMO-BENZENE WATER, WHOLE, RECOVER (UG/L) (81555)	BROMO-ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)
CA-087	04-23-01	<.2	<.04	<.03	<.03	<.06	<.04	<.04	<.1	<.06	<.07
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.2	<.04	<.03	<.03	<.06	<.04	<.04	<.1	<.06	<.07
BO-413	04-24-01	<.2	<.04	<.03	<.03	<.06	<.04	<.04	<.1	<.06	<.07
LN-184	04-26-01	<.2	<.04	<.03	<.03	<.06	<.04	<.04	<.1	<.06	<.07

LOCAL IDENTIFIER	DATE	CARBON TETRA-CHLORIDE BENZENE TOTAL (UG/L) (32102)	CHLORO-CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-ETHANE TOTAL (UG/L) (34311)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	DIBROMO-CHLORO-PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	DI-BROMO-METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)
CA-087	04-23-01	<.06	<.03	<.2	<.1	<.02	<.04	<.09	<.2	<.05	<.05
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.06	<.03	<.2	<.1	<.02	<.04	<.09	<.2	<.05	<.05
BO-413	04-24-01	<.06	<.03	<.2	<.1	<.02	<.04	<.09	<.2	<.05	<.05
LN-184	04-26-01	<.06	<.03	<.2	<.1	<.02	<.04	<.09	<.2	<.05	<.05

LOCAL IDENTIFIER	DATE	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE, 1112-TETRA-CHLORO-WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2-TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)
CA-087	04-23-01	<.3	<.1	<.03	<.09	119	<.2	<.2	<.05	<.1	<.03
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.3	<.1	<.03	<.09	115	<.2	<.2	<.05	<.1	<.03
BO-413	04-24-01	<.3	<.1	<.03	<.09	119	<.2	<.2	<.05	<.1	<.03
LN-184	04-26-01	<.3	<.1	<.03	<.09	120	<.2	<.2	<.05	<.1	<.03

LOCAL IDENTIFIER	DATE	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	METHAC-RYLATE ETHYL-WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC-RYLATE METHYL-WATER UNFLTRD RECOVER (UG/L) (81597)	METH-ACRYLO-NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO-CHLORO-WAT UNFLTRD REC (UG/L) (77297)	METHYL-ACRY-LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)
CA-087	04-23-01	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1
BO-413	04-24-01	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1
LN-184	04-26-01	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1

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LOCAL IDENT- I- FIER	DATE	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL- ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE UNFLTRD TOTAL (UG/L) (34696)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)
CA-087	04-23-01	<.2	<.3	<.2	<.2	<2	<.4	<.06	<.2	<.03	<.04
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.2	<.3	<.2	<.2	<2	<.4	<.06	<.2	<.03	<.04
BO-413	04-24-01	<.2	<.3	<.2	<.2	<2	<.4	<.06	<.2	<.03	<.04
LN-184	04-26-01	<.2	<.3	<.2	<.2	<2	<.4	<.06	<.2	<.03	<.04

LOCAL IDENT- I- FIER	DATE	P-ISO- PROPYL- TOLUENE WATER WHOLE UNFLTRD REC (UG/L) (77356)	1234- TETRA METHYL BENZENE UNFLTRD REC (UG/L) (49999)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	STYRENE TOTAL (UG/L) (77128)	TETRA- CHLORO- ETHYL- ENE UNFLTRD TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE UNFLTRD TOTAL (UG/L) (34010)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)
CA-087	04-23-01	<.07	<.2	<.1	<.1	<.04	<.1	<.06	<.06	<.05	<.09
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.07	<.2	<.1	<.1	<.04	<.1	<.06	<.06	<.05	<.09
BO-413	04-24-01	<.07	<.2	<.1	<.1	<.04	<.1	<.06	<.06	<.05	<.09
LN-184	04-26-01	<.07	<.2	<.1	<.1	<.04	<.1	<.06	<.06	<.05	<.09

LOCAL IDENT- I- FIER	DATE	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	ALPHA COUNT, 2 SIGMA WAT DIS AS (PCI/L) (75987)	ALPHA RADIO. WATER DISS AS (PCI/L) (04126)	BETA, 2 SIGMA DISS, AS (PCI/L) (75989)	GROSS ALPHA, 2X CL, SS MDC, FLTRD, (PCI/L) (99337)	GROSS BETA, DIS- SOLVED (PCI/L) (03515)	GROSS BETA, 2X CL, SS MDC, FLTRD, (PCI/L) (99323)	RADIUM 228 DIS- SOLVED (PCI/L) (81366)
CA-087	04-23-01	<.04	<.09	<.1	--	--	--	--	--	--	--
LU-012	04-23-01	--	--	--	--	--	--	--	--	--	--
WA-185	04-24-01	<.04	<.09	<.1	--	--	--	--	--	--	--
BO-413	04-24-01	<.04	<.09	<.1	--	--	--	--	--	--	--
LN-184	04-26-01	<.04	<.09	<.1	2.2	14.0	1.4	1.130	11.0	1.700	1.91

LOCAL IDENT- I- FIER	DATE	RA-228 2 SIGMA WATER, DISS (PCI/L) (76000)	RADIUM 228, 2X CL, SS MDC, WATER, FLTRD, (PCI/L) (99326)	RADON 222 TOTAL (PCI/L) (82303)	RADON 222, 2X CL, SS MDC, WATER, UNFLTRD (PCI/L) (99327)	RN-222 2 SIGMA WATER, WHOLE TOTAL (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L) (22703)
CA-087	04-23-01	--	--	237	24.0	20	<.02
LU-012	04-23-01	--	--	57.0	24.0	16	.08
WA-185	04-24-01	--	--	432	21.0	22	<.02
BO-413	04-24-01	--	--	1160	21.0	32	<.02
LN-184	04-26-01	.63	.72700	1640	22.0	37	.23

Remark codes used in this report:

< -- Less than

E -- Estimated value

Null value remark codes used in this report:

M -- Presence verified, not quantified

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

Ground-water-quality data presented in these tables were collected from November 2000 to September 2001 and will be used to determine fate and transport of nitrogen in a Coastal Plain stream-aquifer system. The data will be used to develop a model of nitrogen movement through a small Coastal Plain watershed. This is a cooperative project between the U. S. Geological Survey, the U.S. Environmental Protection Agency National Exposure Research Laboratory, and the North Carolina Department of Environment and Natural Resources. Wells listed in the following ground-water-quality table are completed in the surficial aquifer, with the exception of well GR-120, which is completed in the Yorktown aquifer. Well locations for these sampling sites in Greene county are presented in figure 7.

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENT- I- FIER	STATION	NUMBER	DATE	TIME	DEPTH BELOW MP SURFACE (WATER LEVEL) (FEET) (61055)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
GR-160	353128077330502		02-06-01	1614	--	--	--	--	20	148	5.7
GR-114	353027077340101		02-01-01	1020	14.32	11.82	67.68	79.27	36	310	7.5
GR-115	353027077340102		02-01-01	1050	8.11	4.61	22.7	79.27	15	46	5.1
GR-121	353042077334501		11-30-00	1230	18.67	15.25	74.65	79.72	20	286	7.5
GR-122	353042077334502		11-30-00	1400	12.98	9.40	22.08	79.62	15	23	5.0
GR-118	353050077333401		05-16-01 08-16-01	1120 1000	8.32 5.28	4.86 1.82	10.19 10.19	76.93 76.93	30 --	97 108	5.3 5.2
GR-119	353050077333402		02-01-01 08-16-01	1230 0930	11.59 10.86	8.05 7.32	25.35 25.35	76.81 76.81	15 --	495 521	7.0 7.0
GR-120	353050077333403		02-01-01	1400	32.56	28.85	111	76.41	45	340	7.3
GR-117	353051077333401		02-01-01	1200	15.90	12.19	61.4	76.82	30	363	7.3
GR-099	353052077335501		02-05-01	1610	7.41	4.31	23.84	75.67	18	278	6.0
GR-154	353052077335502		02-05-01	1630	5.75	--	--	--	--	60	5.2
GR-088	353103077333402		11-16-00 02-15-01 05-07-01	1200 1330 1115	7.18 5.30 6.69	5.60 3.72 5.11	20 20 20	77.42 77.42 77.42	-- 70 25	148 145 121	5.2 5.1 5.1
GR-090	353103077333403		11-16-00	1145	8.58	5.31	40.65	76.96	25	74	4.9
GR-159	353104077334306		02-08-01 05-03-01 08-15-01	1000 1230 1215	-- -- --	-- -- --	-- -- --	-- -- --	10 -- --	202 163 196	6.0 6.6 5.4
GR-155	353104077334307		02-08-01 08-15-01	1030 1030	-- --	-- --	-- --	-- --	15 --	194 227	5.6 5.5
GR-156	353104077334308		02-08-01 05-03-01 08-15-01	1100 1300 1130	-- -- --	-- -- --	-- -- --	-- -- --	13 -- --	216 150 226	5.5 5.1 5.5
GR-157	353104077334309		02-08-01 05-03-01 08-15-01	1200 1400 1300	-- -- --	-- -- --	-- -- --	-- -- --	15 -- --	150 150 188	4.5 4.5 4.3
GR-084	353111077334401		09-05-01	1130	4.40	--	29.0	73.17	140	87	4.3
GR-085	353111077334402		02-06-01 04-04-01 05-02-01 06-07-01 07-03-01 08-07-01 09-05-01	0915 1045 1215 1030 1045 1100 1030	5.43 3.72 5.42 4.76 4.94 6.95 4.46	2.05 .34 2.04 1.38 1.56 3.57 1.08	7.0 7.0 7.0 7.0 7.0 7.0 7.0	73.38 73.38 73.38 73.38 73.38 73.38 73.38	-- 15 15 30 -- -- --	665 795 646 770 720 697 670	4.5 4.3 4.9 4.2 4.0 4.2 3.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE WAT. DIS FET HCO3 (MG/L) (29804)
GR-160	02-06-01	8.5	767	.7	6	33	10.3	1.76	5.4	1.57	59
GR-114	02-01-01	16.5	767	.1	2	150	58.2	1.31	4.8	1.35	190
GR-115	02-01-01	15.0	767	.1	1	9	3.31	.275	3.3	.49	8
GR-121	11-30-00	16.1	768	.6	6	140	52.5	1.18	16.9	1.28	193
GR-122	11-30-00	17.3	768	4.5	46	3	.83	.153	2.1	.09	3
GR-118	05-16-01 08-16-01	16.0 20.5	759 760	.8 3.3	8 37	10 --	3.60 --	.133 --	16.9 --	.22 --	9 --
GR-119	02-01-01 08-16-01	16.5 17.5	767 760	1.0 .3	10 4	220 --	84.6 --	1.68 --	17.5 --	.93 --	277 --
GR-120	02-01-01	17.0	767	.1	0	160	59.4	2.35	8.7	2.17	214
GR-117	02-01-01	16.5	767	.1	1	170	66.0	1.44	7.2	1.14	226
GR-099	02-05-01	15.5	760	.2	2	110	38.2	2.45	5.2	1.68	38
GR-154	02-05-01	11.5	760	5.8	53	7	1.48	.911	5.3	.92	13
GR-088	11-16-00 02-15-01 05-07-01	19.3 16.5 17.0	770 761 773	1.5 .6 .7	16 6 7	20 20 17	6.20 5.99 5.09	1.05 1.12 1.09	14.1 14.6 13.4	3.93 4.05 3.70	10 9 8
GR-090	11-16-00	18.3	770	.7	7	8	2.40	.435	4.4	2.06	5
GR-159	02-08-01 05-03-01 08-15-01	7.0 15.0 23.0	775 768 760	6.2 .6 4.2	50 6 49	61 68 52	17.7 19.0 14.4	4.21 4.94 3.98	7.5 7.0 8.4	3.89 5.74 9.74	12 26 7
GR-155	02-08-01 08-15-01	9.5 22.5	775 760	.3 .3	2 4	49 50	15.9 15.0	2.34 3.12	6.0 7.8	2.61 5.36	60 48
GR-156	02-08-01 05-03-01 08-15-01	10.5 15.0 22.5	775 768 760	.2 .1 .2	2 1 2	34 35 37	8.32 9.63 9.89	3.29 2.64 2.87	7.7 10.2 10.8	7.49 8.33 8.64	38 10 32
GR-157	02-08-01 05-03-01 08-15-01	15.5 16.0 22.5	775 768 760	1.0 .1 .2	10 0 3	30 40 41	5.53 7.20 7.29	3.90 5.42 5.48	7.6 8.7 9.3	3.86 4.18 4.43	-- -- --
GR-084	09-05-01	19.0	762	.1	2	--	--	--	--	--	--
GR-085	02-06-01 04-04-01 05-02-01 06-07-01 07-03-01 08-07-01 09-05-01	9.5 11.5 16.5 22.0 23.5 26.0 24.0	767 770 764 760 768 763 762	6.0 3.0 4.6 1.6 3.6 .5 3.1	53 28 47 18 42 7 37	160 -- 170 -- -- 160 --	39.9 -- 42.8 -- -- 40.6 --	14.6 -- 15.8 -- -- 14.9 --	40.3 -- 36.7 -- -- 38.6 --	8.25 -- 9.21 -- -- 10.9 --	-- -- -- -- -- -- --

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENT- I- FIER	DATE	ALKA- LINITY WAT DIS FIX END FIELD CACO3 (MG/L) (39036)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	BROMIDE DIS- SOLVED (MG/L) AS BR) (71870)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)
GR-160	02-06-01	48	3.6	13.8	E.1	.17	6.4	93	<.006	<.047	1.22
GR-114	02-01-01	160	1.1	4.0	.2	.05	23.7	197	<.006	<.047	.045
GR-115	02-01-01	7.0	.8	7.0	E.1	.04	14.7	35	<.006	<.047	<.041
GR-121	11-30-00	160	6.2	4.2	.3	.02	25.2	200	<.006	<.047	E.033
GR-122	11-30-00	2.8	1.3	3.4	E.1	.01	4.7	<10	<.006	<.047	<.041
GR-118	05-16-01 08-16-01	7.6 --	11.8 --	21.9 --	<.2 --	.12 --	12.2 --	104 --	<.006 --	.066 --	.067 --
GR-119	02-01-01 08-16-01	230 --	4.0 --	21.1 --	.4 --	.08 --	37.0 --	327 --	<.006 --	<.047 --	.046 --
GR-120	02-01-01	180	.4	4.3	.2	.04	25.9	213	<.006	<.047	.064
GR-117	02-01-01	180	.8	5.1	.2	.07	32.5	235	<.006	<.047	E.034
GR-099	02-05-01	31	59.8	25.8	E.1	.11	12.9	202	<.006	<.047	E.028
GR-154	02-05-01	11	3.0	7.5	<.2	.14	11.5	60	<.006	<.047	E.032
GR-088	11-16-00 02-15-01 05-07-01	8.2 7.6 6.6	10.3 11.8 9.6	22.6 23.0 22.6	<.2 <.2 <.2	.05 .07 .09	10.7 9.8 9.9	80 84 77	<.006 E.004 E.003	.730 .768 1.02	<.041 <.041 <.041
GR-090	11-16-00	4.4	9.6	11.8	<.2	.10	16.9	52	<.006	<.047	<.041
GR-159	02-08-01 05-03-01 08-15-01	10 21 5.9	18.0 13.9 13.9	29.4 34.2 26.3	.2 .2 E.1	.01 <.01 <.01	8.3 8.0 8.2	121 156 151	.025 .149 .013	3.60 3.09 5.88	E.037 .324 .058
GR-155	02-08-01 08-15-01	49 39	-- 4.3	-- 39.7	<.2 E.1	.26 .16	5.4 8.7	-- 148	<.006 <.006	<.047 E.028	.686 1.30
GR-156	02-08-01 05-03-01 08-15-01	31 8.0 26	-- 10.2 8.2	-- 42.0 43.5	<.2 <.2 E.1	.09 .06 .26	9.6 9.6 10.9	-- 139 155	<.006 <.006 <.006	<.047 <.047 <.050	.816 .517 .924
GR-157	02-08-01 05-03-01 08-15-01	-- -- --	10.4 9.2 8.7	22.1 26.7 27.8	<.2 <.2 E.1	.08 .07 .06	5.4 6.1 7.3	73 101 90	<.006 <.006 E.003	3.15 6.58 6.53	<.041 <.041 <.040
GR-084	09-05-01	--	--	--	--	--	--	--	--	--	--
GR-085	02-06-01 04-04-01 05-02-01 06-07-01 07-03-01 08-07-01 09-05-01	-- -- -- -- -- -- --	20.4 -- 15.4 -- -- 12.8 --	102 -- 98.3 -- -- 94.3 --	.4 -- .4 -- -- .4 --	.05 -- .06 -- -- .07 --	6.6 -- 7.9 -- -- 11.4 --	399 -- 467 -- -- 406 --	<.006 -- <.006 -- -- .009 --	33.3 -- 51.8 -- -- 37.3 --	<.041 -- E.039 -- -- .176 --

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENT- I- FIER	DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS.	PHOS- PHORUS DIS- SOLVED	PHOS- PHORUS ORTHO, DIS- SOLVED	IRON, DIS- SOLVED	MANGA- NESE, DIS- SOLVED	CARBON, ORGANIC DIS- SOLVED	N15/N14 NH4 FRAC WATER	TRITIUM TOTAL	TRITIUM WHOLE, 2 SIGMA WATER, TOTAL
		(MG/L AS N) (00623)	(MG/L AS P) (00666)	(MG/L AS P) (00671)	(UG/L AS FE) (01046)	(UG/L AS MN) (01056)	(MG/L AS C) (00681)	0.45 U PER MIL (82691)	(PCI/L) (07000)	(PCI/L) (75985)
GR-160	02-06-01	1.6	.473	.445	10500	47.1	6.1	--	--	--
GR-114	02-01-01	E.07	.075	.038	1180	20.5	.51	--	--	--
GR-115	02-01-01	E.06	.259	.256	510	6.2	.72	--	--	--
GR-121	11-30-00	E.08	.278	.339	830	21.2	.67	--	2.6	1.0
GR-122	11-30-00	<.10	.072	.072	110	E2.4	E.26	--	17.6	1.3
GR-118	05-16-01 08-16-01	.24 --	.028 --	E.011 --	310 --	7.2 --	-- --	-- --	-- 28.5	-- 3.2
GR-119	02-01-01 08-16-01	.17 --	.056 --	.029 --	2810 --	31.4 --	3.7 --	-- --	-- -0.6	-- 2.6
GR-120	02-01-01	.11	.051	.030	1180	77.2	.74	--	--	--
GR-117	02-01-01	E.07	.111	.028	2450	50.8	.55	--	--	--
GR-099	02-05-01	<.10	.105	.094	2480	51.8	.81	--	--	--
GR-154	02-05-01	.12	.014	<.018	3360	12.5	5.7	--	--	--
GR-088	11-16-00 02-15-01 05-07-01	<.10 E.07 <.10	.022 .016 .021	.019 <.018 <.018	730 260 250	46.3 46.0 37.3	.35 .46 .56	-- -- --	-- -- --	-- -- --
GR-090	11-16-00	<.10	.011	E.009	5320	9.6	<.33	--	--	--
GR-159	02-08-01 05-03-01 08-15-01	.18 .70 .96	.006 .006 .043	<.018 <.018 .033	350 380 720	49.6 65.4 42.2	3.3 4.1 22	-- -- --	-- -- --	-- -- --
GR-155	02-08-01 08-15-01	.90 1.8	.034 .096	.027 .089	14200 13500	32.6 37.6	8.0 10	-- 8.60	-- --	-- --
GR-156	02-08-01 05-03-01 08-15-01	1.2 .87 1.5	.078 .018 .086	.071 <.018 .080	20100 5920 14300	31.6 31.4 27.0	12 6.0 12	-- -- 9.50	-- -- --	-- -- --
GR-157	02-08-01 05-03-01 08-15-01	<.10 .11 .11	<.006 <.006 <.006	<.018 <.018 <.020	90 90 10	48.5 35.6 35.4	1.1 .79 1.3	-- -- --	-- -- --	-- -- --
GR-084	09-05-01	--	--	--	--	--	--	--	43.8	3.8
GR-085	02-06-01 04-04-01 05-02-01 06-07-01 07-03-01 08-07-01 09-05-01	.25 -- .30 -- -- .50 --	.014 -- .013 -- -- .010 --	<.018 -- <.018 -- -- <.020 --	10 -- 90 -- -- 290 --	171 -- 185 -- -- 198 --	1.5 -- 1.6 -- -- 3.2 --	-- -- -- -- -- -- --	-- -- -- -- -- -- --	-- -- -- -- -- -- --

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENT- I- FIER	STATION NUMBER	DATE	TIME	DEPTH BELOW MP (WATER LEVEL) (FEET) (61055)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
GR-094	353111077334404	11-16-00	1300	6.41	4.49	18.0	73.37	19	89	4.3
		04-04-01	1015	2.00	.08	18.0	73.37	20	89	4.3
		05-02-01	1145	3.95	2.03	18.0	73.37	20	61	4.8
		06-07-01	1110	3.23	1.31	18.0	73.37	--	96	4.3
		07-03-01	1115	3.42	1.50	18.0	73.37	--	89	4.3
		08-07-01	1145	5.88	3.96	18.0	73.37	--	91	4.4
		09-05-01	1100	3.10	1.18	18.0	73.37	--	90	4.7
GR-092	353122077334903	11-08-00	1430	--	--	12	64.47	55	273	5.4
		03-01-01	1230	8.33	6.83	12	64.47	--	330	5.0
		04-04-01	1120	8.11	6.61	12	64.47	--	347	5.1
		05-02-01	1235	8.66	7.16	12	64.47	--	274	4.9
		06-07-01	1230	8.64	7.14	12	64.47	--	377	4.9
		07-03-01	1400	8.27	6.77	12	64.47	--	376	4.8
		08-07-01	1330	8.83	7.33	12	64.47	--	381	4.8
		09-05-01	1300	8.29	6.79	12	64.47	--	390	5.1
GR-091	353122077334904	03-01-01	1100	7.96	6.63	8	64.39	15	378	4.2
		05-02-01	1330	8.31	6.98	8	64.39	--	229	4.4
		08-07-01	1400	8.52	7.19	8	64.39	--	429	4.4
GR-106	353127077333701	11-27-00	1215	28.22	25.51	56.6	73.07	45	281	7.4
GR-107	353127077333702	11-27-00	1330	10.38	7.75	21.46	72.95	30	242	4.2
		02-15-01	1130	9.94	7.31	21.46	72.95	35	251	4.0
GR-109	353127077333704	11-27-00	1300	9.78	8.40	23	73.59	25	200	5.8
		02-15-01	1200	9.36	7.98	23	73.59	60	210	5.8
GR-104	353134077334601	11-27-00	1130	23.00	20.58	57.93	65.12	40	330	7.5
GR-113	353135077332704	11-20-00	1100	15.97	14.55	26	72.69	--	133	5.4
		08-16-01	1215	14.33	12.91	26	72.69	50	150	5.4
GR-089	353137077334603	12-06-00	1000	--	--	5.1	15.5	10	167	5.6
GR-148	353137077334604	12-06-00	1150	--	--	4	15	20	125	5.5
GR-149	353137077334605	12-06-00	1110	--	--	1.5	15.5	15	--	5.0
GR-095	353142077332701	11-20-00	1300	22.63	19.63	49.09	62.07	--	184	4.8
		02-14-01	1000	22.68	19.68	49.09	62.07	20	189	4.3
GR-097	353142077332702	11-20-00	1400	20.61	19.11	21	61.81	20	187	4.3
		02-14-01	1130	20.70	19.20	21	61.81	15	191	4.0
		05-07-01	0930	19.88	18.38	21	61.81	30	166	4.3
		08-09-01	1230	20.25	18.75	21	61.81	--	187	4.4
GR-098	353142077332703	11-20-00	1325	22.04	19.62	36	62.03	25	195	4.7
		02-14-01	1045	22.10	19.68	36	62.03	20	190	4.8
		05-07-01	1015	21.83	19.41	36	62.03	--	176	4.7
		08-09-01	1300	22.12	19.70	36	62.03	--	195	4.9
GR-100	353148077332101	11-09-00	1300	8.35	5.54	46.34	47.13	30	195	6.1
		02-02-01	0955	8.36	5.55	46.34	47.13	25	215	6.2
		05-07-01	1230	8.28	5.47	46.34	47.13	45	189	6.0
		08-09-01	1100	8.48	5.67	46.34	47.13	45	223	6.3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENT- I- FIER	DATE	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WAT.DIS FET FIELD HCO3 (MG/L) (29804)
GR-094	11-16-00	17.5	768	.2	2	8	1.92	.706	7.3	1.82	--
	04-04-01	14.0	770	.3	3	--	--	--	--	--	--
	05-02-01	16.0	764	.3	3	8	2.10	.722	7.3	1.96	--
	06-07-01	16.5	760	.2	2	--	--	--	--	--	--
	07-03-01	16.5	768	.1	1	--	--	--	--	--	--
	08-07-01	20.0	763	.3	3	8	1.80	.743	8.0	1.96	--
	09-05-01	18.5	762	.2	3	--	--	--	--	--	--
GR-092	11-08-00	19.0	767	4.2	45	110	34.2	5.11	7.3	6.35	9
	03-01-01	15.0	762	2.2	22	110	34.2	5.63	6.9	6.60	5
	04-04-01	13.5	770	3.1	29	--	--	--	--	--	--
	05-02-01	16.5	764	3.5	36	120	36.0	6.32	8.8	7.51	3
	06-07-01	19.0	760	2.9	31	--	--	--	--	--	--
	07-03-01	19.5	768	2.5	27	--	--	--	--	--	--
	08-07-01	21.0	763	2.2	25	120	35.6	6.65	10.9	7.46	14
	09-05-01	21.5	762	1.7	20	--	--	--	--	--	--
GR-091	03-01-01	14.0	762	2.8	27	110	32.4	7.65	6.3	9.16	--
	05-02-01	16.5	764	5.4	55	100	28.2	7.17	8.5	8.27	--
	08-07-01	21.5	763	4.2	47	110	31.2	8.79	10.4	9.44	--
GR-106	11-27-00	19.5	765	.2	2	140	51.8	2.07	3.9	1.00	145
GR-107	11-27-00	19.2	765	1.6	17	68	15.2	7.43	3.6	2.45	--
	02-15-01	16.0	761	1.7	17	71	15.5	7.81	3.7	2.40	--
GR-109	11-27-00	19.5	765	1.0	11	75	24.3	3.54	4.5	1.52	19
	02-15-01	17.5	761	.3	3	76	24.2	3.76	4.6	1.55	18
GR-104	11-27-00	17.7	765	.1	0	160	59.0	2.24	8.5	1.96	200
GR-113	11-20-00	10.6	767	2.1	19	36	12.8	.872	8.4	1.53	6
	08-16-01	17.5	760	.6	7	--	--	--	--	--	--
GR-089	12-06-00	9.3	772	.1	0	26	7.13	2.05	8.9	2.25	31
GR-148	12-06-00	6.0	772	M	0	20	6.48	.843	6.8	.39	26
GR-149	12-06-00	9.5	772	M	--	18	5.18	1.14	7.5	1.71	8
GR-095	11-20-00	16.8	767	8.4	86	60	12.9	6.85	2.4	4.49	2
	02-14-01	16.0	768	5.8	58	66	13.9	7.51	2.3	4.63	--
GR-097	11-20-00	16.6	767	6.4	65	56	12.2	6.14	2.1	4.43	--
	02-14-01	16.5	768	3.8	38	53	11.4	5.90	2.0	4.46	--
	05-07-01	17.0	773	8.6	88	53	10.6	6.32	2.2	4.32	--
	08-09-01	24.5	760	6.6	79	51	9.60	6.45	2.1	4.40	--
GR-098	11-20-00	16.7	747	1.2	13	67	15.5	6.96	3.0	4.22	1
	02-14-01	16.5	768	5.3	54	64	15.0	6.56	2.7	4.44	M
	05-07-01	17.5	773	2.1	22	65	15.1	6.71	2.6	4.66	2
	08-09-01	19.5	760	1.9	21	66	14.9	7.02	2.3	4.51	4
GR-100	11-09-00	18.8	764	.3	3	84	31.5	1.37	4.0	1.59	56
	02-02-01	17.5	764	.2	2	85	31.6	1.36	4.7	1.62	46
	05-07-01	18.0	773	M	0	81	30.4	1.31	4.7	1.48	46
	08-09-01	20.5	760	.1	2	87	32.7	1.42	4.5	1.49	47

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	ALKALINITY WAT DIS FIX END FIELD CAC03 (MG/L) (39036)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLORIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUORIDE, DIS- SOLVED (MG/L) AS F) (00950)	BROMIDE DIS- SOLVED (MG/L) AS BR) (71870)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITROGEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITROGEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITROGEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)
GR-094	11-16-00	--	17.3	10.0	<.2	.13	13.5	55	<.006	.190	<.041
	04-04-01	--	--	--	--	--	--	--	--	--	--
	05-02-01	--	16.7	10.2	<.2	.14	11.9	60	<.006	.216	<.041
	06-07-01	--	--	--	--	--	--	--	--	--	--
	07-03-01	--	--	--	--	--	--	--	--	--	--
	08-07-01	--	15.6	10.2	<.2	.12	12.6	49	<.006	.151	E.030
	09-05-01	--	--	--	--	--	--	--	--	--	--
GR-092	11-08-00	7.0	35.6	33.5	.4	.05	5.9	189	.050	11.0	E.026
	03-01-01	4.2	32.8	33.2	.5	.06	4.7	194	.021	15.4	<.041
	04-04-01	--	--	--	--	--	--	--	.019	15.8	<.041
	05-02-01	2.6	29.3	37.1	.4	.06	5.1	233	.020	19.8	<.041
	06-07-01	--	--	--	--	--	--	--	.018	20.3	<.040
	07-03-01	--	--	--	--	--	--	--	.017	18.5	E.024
	08-07-01	11	35.6	37.7	.5	.05	6.0	248	.021	15.5	.047
	09-05-01	--	--	--	--	--	--	--	.024	20.8	<.040
GR-091	03-01-01	--	52.3	29.4	.8	.05	4.6	223	<.006	18.1	<.041
	05-02-01	--	16.3	32.4	.6	.05	5.0	206	<.006	20.5	<.041
	08-07-01	--	12.5	40.1	.7	.05	5.9	260	.012	27.1	E.030
GR-106	11-27-00	120	16.5	7.5	.2	.06	14.5	179	<.006	<.047	E.022
GR-107	11-27-00	--	16.3	25.1	.2	.04	7.2	116	<.006	11.6	<.041
	02-15-01	--	14.7	25.3	.2	.05	6.2	144	<.006	12.6	<.041
GR-109	11-27-00	16	40.1	18.8	.5	.06	9.9	131	<.006	.763	<.041
	02-15-01	15	43.2	19.1	.5	.06	9.7	131	E.005	.887	<.041
GR-104	11-27-00	160	5.2	5.5	.2	.03	35.3	229	<.006	<.047	.065
GR-113	11-20-00	4.8	34.3	11.4	.6	.05	8.3	86	E.003	.437	<.041
	08-16-01	--	--	--	--	--	--	--	--	--	--
GR-089	12-06-00	25	3.6	27.8	E.1	.14	13.3	100	<.006	<.047	.155
GR-148	12-06-00	21	6.9	19.2	<.2	.07	12.5	85	<.006	<.047	.130
GR-149	12-06-00	6.4	9.3	21.1	E.1	.05	11.0	73	<.006	<.047	.288
GR-095	11-20-00	1.8	4.5	17.8	.5	.03	6.2	112	<.006	11.6	<.041
	02-14-01	--	3.9	16.7	.5	.04	6.2	119	<.006	11.8	<.041
GR-097	11-20-00	--	6.5	17.6	.4	.03	6.9	104	<.006	11.5	<.041
	02-14-01	--	6.1	16.7	.4	.04	6.3	105	<.006	11.8	<.041
	05-07-01	--	5.5	18.1	.4	.03	6.0	112	<.006	11.2	<.041
	08-09-01	--	3.9	17.2	.3	.03	6.3	123	<.006	11.4	E.026
GR-098	11-20-00	1.2	42.9	15.5	.6	.02	6.3	118	.020	4.77	<.041
	02-14-01	.8	26.4	15.2	.7	.03	6.1	110	.061	7.81	<.041
	05-07-01	1.2	35.7	14.8	.8	.03	6.0	118	.031	6.39	<.041
	08-09-01	3.2	31.7	15.6	.6	.03	6.4	126	.069	6.51	E.026
GR-100	11-09-00	46	37.9	11.8	.6	.07	10.4	136	<.006	<.047	E.025
	02-02-01	38	38.5	12.3	.7	.04	11.2	132	<.006	<.047	E.028
	05-07-01	37	40.0	13.7	.7	.09	10.6	149	<.006	<.047	E.031
	08-09-01	38	41.0	14.0	.6	.05	11.7	152	<.006	E.035	E.037

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	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)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)
GR-094	11-16-00	<.10	<.006	<.018	650	21.7	E.23	--	--
	04-04-01	--	--	--	--	--	--	--	--
	05-02-01	<.10	<.006	<.018	740	26.4	E.17	--	--
	06-07-01	--	--	--	--	--	--	--	--
	07-03-01	--	--	--	--	--	--	--	--
	08-07-01	<.10	<.006	<.020	700	22.8	.43	--	--
	09-05-01	--	--	--	--	--	--	--	--
GR-092	11-08-00	.14	.016	<.018	560	146	.88	--	--
	03-01-01	.15	.030	E.014	590	152	.88	--	--
	04-04-01	.15	.026	E.016	--	--	--	--	--
	05-02-01	.13	.030	<.018	100	162	.96	--	--
	06-07-01	.11	--	--	--	--	--	--	--
	07-03-01	.13	--	--	--	--	--	--	--
	08-07-01	.26	.024	E.011	150	157	1.1	--	--
09-05-01	.14	--	--	--	--	--	--	--	
GR-091	03-01-01	.15	.180	.148	10	222	1.2	--	--
	05-02-01	.17	.306	.166	20	153	1.1	--	--
	08-07-01	.26	.183	.172	M	181	2.0	--	--
GR-106	11-27-00	E.07	.099	.039	710	65.4	E.32	--	--
GR-107	11-27-00	.15	.020	E.017	20	57.0	.73	--	--
	02-15-01	.13	.016	E.016	20	53.6	.72	--	--
GR-109	11-27-00	<.10	.040	.026	260	94.0	E.31	--	--
	02-15-01	<.10	.037	.025	50	99.6	E.31	--	--
GR-104	11-27-00	E.09	.107	.077	270	73.2	.52	--	--
GR-113	11-20-00	.12	.158	.116	110	80.8	.40	--	--
	08-16-01	--	--	--	--	--	--	31.4	3.2
GR-089	12-06-00	.31	.015	E.009	15800	37.6	4.0	--	--
GR-148	12-06-00	.28	.341	.344	14300	48.9	3.7	--	--
GR-149	12-06-00	.54	.107	.075	6970	33.6	5.6	--	--
GR-095	11-20-00	<.10	.588	.506	M	25.5	E.27	--	--
	02-14-01	E.10	.497	.465	<10	25.8	.48	--	--
GR-097	11-20-00	<.10	.054	.039	<10	33.7	.37	--	--
	02-14-01	E.07	.057	.049	<10	30.3	.42	--	--
	05-07-01	<.10	.050	.019	30	25.2	.63	--	--
	08-09-01	E.10	.051	.040	50	24.3	.37	--	--
GR-098	11-20-00	.14	.726	.620	M	48.8	E.30	--	--
	02-14-01	E.09	.704	.647	<10	49.0	.74	--	--
	05-07-01	E.06	.590	.468	40	51.6	.51	--	--
	08-09-01	E.06	.657	.625	M	51.2	E.30	--	--
GR-100	11-09-00	<.10	.440	.380	1010	50.8	.37	--	--
	02-02-01	E.07	.512	.452	1020	48.6	.38	--	--
	05-07-01	<.10	.507	.376	1300	48.8	.49	--	--
	08-09-01	E.06	.379	.373	1120	50.3	E.33	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	STATION NUMBER	DATE	TIME	DEPTH BELOW MP (WATER LEVEL) (FEET) (61055)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
GR-103	353148077332102	11-09-00	1330	7.38	5.96	23.00	47.55	15	183	4.4
		02-02-01	1010	7.38	5.96	23.00	47.55	13	207	4.5
		05-07-01	1300	7.31	5.89	23.00	47.55	--	187	4.4
		08-09-01	1015	7.49	6.07	23.00	47.55	30	239	4.6
GR-102	353148077332103	11-09-00	1345	7.65	6.15	8	47.86	5	73	5.0
		02-02-01	1115	7.63	6.13	8	47.86	12	114	5.1
		05-07-01	1330	7.49	5.99	8	47.86	--	120	5.0
		08-09-01	0930	7.67	6.17	8	47.86	--	97	5.2
GR-101	353149077332101	02-02-01	1050	7.70	4.89	16.44	47.13	30	100	5.0
GR-151	353153077333203	11-15-00	1200	--	--	3.0	45	15	153	6.0
		05-08-01	1130	--	--	3.0	45	--	--	6.0
		08-14-01	1100	--	--	3.0	45	--	175	6.1
GR-152	353153077333204	11-15-00	1330	--	--	2.0	45	--	319	5.8
		05-08-01	1200	--	--	2.0	45	--	178	6.0
		08-14-01	1145	--	--	2.0	45	--	180	6.0
GR-153	353153077333206	05-08-01	1030	--	--	3.5	45	--	126	5.7
		08-14-01	1230	--	--	3.5	45	--	134	5.7

LOCAL IDENTIFIER	DATE	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE, DIS-SOLVED (MG/L AS HCO3) (29804)
GR-103	11-09-00	19.8	764	4.7	51	62	15.4	5.67	2.1	7.14	--
	02-02-01	18.0	764	3.9	41	64	15.9	5.97	2.1	7.24	--
	05-07-01	17.0	773	4.6	47	69	17.1	6.43	2.1	7.05	--
	08-09-01	19.5	760	4.3	47	75	18.1	7.16	2.2	7.75	--
GR-102	11-09-00	20.0	764	2.5	27	22	6.55	1.42	2.0	4.16	3
	02-02-01	13.0	764	2.8	27	34	10.3	2.15	2.3	4.37	5
	05-07-01	16.5	773	4.4	44	40	11.7	2.69	2.5	4.52	4
	08-09-01	23.5	760	1.8	22	25	7.28	1.72	2.3	5.18	4
GR-101	02-02-01	13.0	764	3.2	31	29	7.88	2.25	2.2	4.60	4
GR-151	11-15-00	14.5	769	.1	0	54	19.6	1.19	8.1	1.57	59
	05-08-01	18.5	773	1.0	--	58	21.1	1.35	9.2	1.81	40
	08-14-01	25.0	760	.3	4	58	21.8	1.00	8.5	1.95	34
GR-152	11-15-00	14.5	769	.4	4	98	35.6	2.25	8.0	2.73	172
	05-08-01	18.0	773	M	0	63	23.5	.935	8.0	1.73	36
	08-14-01	24.0	760	.2	2	58	21.7	.953	8.5	1.81	31
GR-153	05-08-01	16.5	773	.4	4	37	12.1	1.65	5.4	1.79	52
	08-14-01	23.0	760	.3	4	33	10.5	1.53	5.3	1.86	46

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS WATER-QUALITY SAMPLING SITES

WATER QUALITY DATA, NOVEMBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	ALKA-LINITY	SULFATE	CHLO- RIDE,	FLUO- RIDE,	BROMIDE	SILICA,	SOLIDS, RESIDUE AT 180 DEG. C	NITRO- GEN, NITRITE	NITRO- GEN, NO2+NO3	NITRO- GEN, AMMONIA
		WAT DIS FIX END FIELD CAC03 (MG/L) (00936)	DIS- SOLVED (MG/L) AS SO4 (00945)	DIS- SOLVED (MG/L) AS CL (00940)	DIS- SOLVED (MG/L) AS F (00950)	DIS- SOLVED (MG/L) AS BR (71870)	DIS- SOLVED (MG/L) AS SIO2 (00955)	DIS- SOLVED (MG/L) (70300)	DIS- SOLVED (MG/L) AS N (00613)	DIS- SOLVED (MG/L) AS N (00631)	DIS- SOLVED (MG/L) AS N (00608)
GR-103	11-09-00	--	14.3	23.8	<.2	.03	3.2	108	<.006	7.87	<.041
	02-02-01	--	15.8	24.4	<.2	.03	3.5	111	<.006	7.75	<.041
	05-07-01	--	16.9	26.2	<.2	.04	3.4	149	<.006	7.73	<.041
	08-09-01	--	14.0	36.9	<.2	.04	3.4	147	<.006	7.48	E.031
GR-102	11-09-00	2.2	9.2	5.8	<.2	.03	2.6	45	<.006	2.58	<.041
	02-02-01	4.2	9.1	7.1	<.2	.02	2.7	63	<.006	5.60	<.041
	05-07-01	3.4	8.4	15.1	<.2	.03	2.5	83	<.006	5.51	<.041
	08-09-01	3.0	8.6	11.0	<.2	.03	2.6	73	<.006	2.93	E.027
GR-101	02-02-01	3.2	9.0	8.3	<.2	.02	2.4	56	<.006	3.88	<.041
GR-151	11-15-00	48	21.0	11.7	.8	<.01	11.4	103	<.006	<.047	9.42
	05-08-01	33	34.1	13.0	.7	<.01	9.8	122	<.006	<.047	.589
	08-14-01	28	38.5	11.8	.8	<.01	10.6	105	<.006	E.030	.255
GR-152	11-15-00	140	.2	12.0	.3	.67	25.6	187	<.006	<.047	.839
	05-08-01	30	35.3	12.4	.5	<.01	10.6	126	<.006	<.047	.140
	08-14-01	25	39.9	11.5	.8	.01	11.4	104	<.006	E.027	.205
GR-153	05-08-01	42	.1	13.6	.2	.09	9.8	102	<.006	<.047	1.98
	08-14-01	38	1.5	13.4	.2	.13	10.3	79	<.006	E.032	1.96
LOCAL IDENTIFIER	DATE	NITRO- GEN, AM- MONIA + ORGANIC	PHOS- PHORUS DIS- SOLVED	PHOS- PHORUS ORTHO, DIS- SOLVED	IRON, DIS- SOLVED	MANGA- NESE, DIS- SOLVED	CARBON, ORGANIC DIS- SOLVED	N15/N14 NH4 FRAC WATER FLTRD			
		(MG/L) AS N (00623)	(MG/L) AS P (00666)	(MG/L) AS P (00671)	(UG/L) AS FE (01046)	(UG/L) AS MN (01056)	(MG/L) AS C (00681)	0.45 U PER MIL (82691)			
GR-103	11-09-00	<.10	.066	.037	10	35.9	.36	--			
	02-02-01	E.08	.048	.047	M	35.2	.54	--			
	05-07-01	<.10	.054	.027	10	37.5	.61	--			
	08-09-01	E.07	.051	.034	M	41.2	.40	--			
GR-102	11-09-00	<.10	.027	.018	<10	23.1	.54	--			
	02-02-01	E.08	.016	E.012	<10	30.1	.61	--			
	05-07-01	E.07	.015	.050	10	34.2	.67	--			
	08-09-01	E.08	.025	E.014	M	21.1	.55	--			
GR-101	02-02-01	E.10	.020	E.016	M	20.9	.50	--			
GR-151	11-15-00	2.0	1.15	.600	60	28.0	7.6	--			
	05-08-01	.61	.835	.863	90	74.5	2.0	4.40			
	08-14-01	.21	.869	.841	20	19.7	1.1	--			
GR-152	11-15-00	.87	.767	.791	12100	354	2.7	--			
	05-08-01	.17	.802	.857	40	21.6	2.0	3.00			
	08-14-01	.22	.890	.868	20	24.4	--	--			
GR-153	05-08-01	2.0	.667	.709	6160	49.6	8.5	5.60			
	08-14-01	2.1	.888	.896	6010	44.6	8.5	5.50			

Remark codes used in this report:
 < -- Less than
 E -- Estimated value
 Null value remark codes used in this report:
 M -- Presence verified, not quantified