

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
ALBEMARLE COUNTY										
40N	4	380244078460201	000GRNT	07-19-99	--	--	300	--	--	750
41N	5	380206078374701	400GRGS	07-19-99	--	--	400	385	144	690
APPOMATTOX COUNTY										
40G	2	372156078494801	400GRGS	06-30-99	--	--	410	336	333	860
AUGUSTA COUNTY										
39NS	1	380311078555201	371ELBK	07-07-99	--	--	--	--	--	1318
BATH COUNTY										
31M	1	375912079582501	341MLBR	08-10-99	--	--	385	371	280	1650
BOTETOURT COUNTY										
33J	1	373053079395901	377SHDY	08-25-99	--	--	376	--	376	1040
33J	2	373034079420501	377ROME	08-25-99	--	--	610	610	300	1010
CAROLINE COUNTY										
50M	2	385814077321401	400PCMB	12-03-98	--	20.65	39.94	39.94	34.94	250
			400PCMB	03-24-99	--	11.85	39.94	39.94	34.94	250
			400PCMB	04-19-99	--	13.03	39.94	39.94	34.94	250
			400PCMB	06-18-99	--	16.93	39.94	39.94	34.94	250
			400PCMB	09-29-99	--	15.91	39.94	39.94	34.94	250
50M	3	385814077321402	121CSPKU	12-03-98	--	19.85	25.14	25.14	20.14	250
			121CSPKU	03-24-99	--	7.03	25.14	25.14	20.14	250
			121CSPKU	04-19-99	--	10.54	25.14	25.14	20.14	250
			121CSPKU	06-18-99	--	15.76	25.14	25.14	20.14	250
			121CSPKU	09-29-99	--	11.81	25.14	25.14	20.14	250
50M	4	385812077321801	400PCMB	12-03-98	--	13.14	15.49	15.49	10.49	235
			400PCMB	03-24-99	--	7.03	15.49	15.49	10.49	235
			400PCMB	04-19-99	--	7.78	15.49	15.49	10.49	235
			400PCMB	04-19-99	REPLICATE	7.78	15.49	15.49	10.49	235
			400PCMB	06-18-99	--	10.43	15.49	15.49	10.49	235
50M	5	385809077322001	400PCMB	09-30-99	--	9.09	15.49	15.49	10.49	235
			400PCMB	12-02-98	--	5.17	8.62	8.62	8.42	210
			400PCMB	03-24-99	--	2.87	8.62	8.62	8.42	210
			400PCMB	04-20-99	--	3.56	8.62	8.62	8.42	210
			400PCMB	06-18-99	--	5.03	8.62	8.62	8.42	210
50M	6	385809077322002	400PCMB	09-30-99	--	4.25	8.62	8.62	8.42	210
			400PCMB	09-30-99	REPLICATE	4.25	8.62	8.62	8.42	210
			110QRNR	03-24-99	--	1.39	4.84	4.84	.0	210
			110QRNR	04-21-99	--	2.79	4.84	4.84	.0	210
			110QRNR	04-21-99	REPLICATE	2.79	4.84	4.84	.0	210
50M	7	385806077322501	400PCMB	12-03-98	--	26.91	46.28	46.28	41.28	240
			400PCMB	12-03-98	REPLICATE	26.91	46.28	46.28	41.28	240
			400PCMB	03-24-99	--	26.62	46.28	46.28	41.28	240
			400PCMB	04-21-99	--	26.21	46.28	46.28	41.28	240
			400PCMB	06-18-99	--	26.98	46.28	46.28	41.28	240

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT- SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT- SATUR- ATION) (MG/L) (00301)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
ALBEMARLE COUNTY--Continued									
40N 4	320	7.1	737	35.2	15.6	--	.5	5	131
41N 5	75	5.8	739	33.8	17.0	--	8.7	93	21
APPOMATTOX COUNTY--Continued									
40G 2	173	7.4	732	22.9	15.8	.3	.8	8	97
AUGUSTA COUNTY--Continued									
39NS 1	186	7.7	720	31.7	12.7	--	7.4	74	103
BATH COUNTY--Continued									
31M 1	366	8.2	710	29.3	14.1	--	.9	9	215
BOTETOURT COUNTY--Continued									
33J 1	257	7.4	729	22.1	14.2	--	7.8	80	172
33J 2	371	7.3	728	24.9	13.2	--	3.3	33	224
CAROLINE COUNTY--Continued									
50M 2	37	6.0	--	--	16.3	--	6.4	--	--
	65	6.0	748	16.1	15.1	--	.7	7	--
	58	5.6	--	--	16.2	--	5.0	--	--
	67	--	--	--	14.9	--	1.9	--	--
	62	6.3	--	--	14.7	--	4.3	--	--
50M 3	27	5.3	--	--	16.5	--	8.6	--	--
	39	5.1	747	16.1	14.8	--	2.9	29	--
	39	4.7	--	--	15.9	--	8.6	--	--
	38	--	--	--	13.9	--	7.1	--	--
	39	5.3	--	--	15.9	--	9.1	--	--
50M 4	38	5.8	--	--	16.0	--	3.8	--	--
	49	4.8	747	16.1	11.8	--	5.6	53	--
	50	4.8	--	--	12.7	--	6.9	--	--
	50	4.8	--	--	12.7	--	6.9	--	--
	53	--	--	--	13.1	--	6.5	--	--
50M 5	52	4.5	--	--	16.4	--	7.3	--	--
	27	5.4	--	--	14.8	--	.3	--	--
	36	5.6	747	17.7	9.7	--	.1	1	--
	35	4.8	--	--	12.9	--	.5	--	--
	36	--	--	--	12.8	--	.3	--	--
	36	--	--	--	16.5	--	.5	--	--
	36	--	--	--	16.5	--	.5	--	--
50M 6	35	5.1	747	16.4	8.1	--	1.8	16	--
	33	4.1	--	--	10.3	--	.3	--	--
	33	4.1	--	--	10.3	--	.3	--	--
50M 7	68	7.1	--	--	14.5	--	2.2	--	--
	68	7.1	--	--	14.5	--	2.2	--	--
	76	6.5	746	16.0	14.5	--	.1	1	--
	83	6.3	--	--	14.5	--	1.6	--	--
	90	--	--	--	14.5	--	1.2	--	--

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LOCAL IDENT- I- FIER	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
ALBEMARLE COUNTY--Continued									
40N 4	.0	107	--	.17	--	--	--	--	.3
41N 5	.0	17	--	.32	--	--	--	--	.2
APPOMATTOX COUNTY--Continued									
40G 2	.0	80	--	.05	--	--	--	--	.2
AUGUSTA COUNTY--Continued									
39NS 1	.0	84	--	.57	--	--	--	--	.2
BATH COUNTY--Continued									
31M 1	8.9	176	--	<.05	--	--	--	--	.3
BOTETOURT COUNTY--Continued									
33J 1	.0	141	--	.06	--	--	--	--	.3
33J 2	.0	184	--	.24	--	--	--	--	.4
CAROLINE COUNTY--Continued									
50M 2	--	--	<.001	.28	<.002	<.1	.004	.004	--
	--	--	.002	.25	.002	<.1	.005	.007	--
	--	--	<.01	.25	<.02	<.1	<.05	.02	--
	--	--	.002	.22	.004	<.1	.004	.003	--
	--	--	<.001	.28	<.002	<.1	E.005	.004	--
50M 3	--	--	<.001	2.3	<.002	<.1	.003	.001	--
	--	--	<.001	2.6	.004	<.1	<.004	.001	--
	--	--	<.01	2.6	<.02	<.1	<.05	<.01	--
	--	--	<.001	2.8	.004	<.1	<.004	.002	--
	--	--	<.001	--	<.002	E.08	<.006	<.001	--
50M 4	--	--	<.001	2.0	<.002	.1	.008	.001	--
	--	--	<.001	3.8	.004	<.1	<.004	.002	--
	--	--	<.01	3.5	<.02	<.1	<.05	.01	--
	--	--	<.01	3.3	<.02	<.1	<.05	.01	--
	--	--	<.001	3.2	.004	E.09	<.004	.001	--
	--	--	<.001	2.6	.004	<.1	<.006	<.001	--
50M 5	--	--	<.001	.032	.012	<.1	.004	.002	--
	--	--	.001	.059	.019	.2	.013	.002	--
	--	--	<.01	.1	.04	E.06	<.05	.01	--
	--	--	.001	.008	.034	E.05	<.004	.002	--
	--	--	.001	.09	.023	E.08	<.006	.001	--
	--	--	.001	.086	.024	.1	E.003	<.001	--
50M 6	--	--	<.001	.025	.004	E.09	<.004	.002	--
	--	--	<.01	.10	<.02	<.1	<.05	.01	--
	--	--	<.01	.10	<.02	E.05	<.05	.01	--
50M 7	--	--	.001	.29	<.002	<.1	.039	.045	--
	--	--	.002	.29	<.002	<.1	.041	.043	--
	--	--	.005	.28	.002	<.1	.049	.050	--
	--	--	<.01	.23	<.02	<.1	E.04	.05	--
	--	--	.005	.35	.005	.1	.033	.013	--

E Estimated

< Actual value is known to be less than the value shown.

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WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)
CAROLINE COUNTY--Continued								
50M 7	385806077322501	400PCMB	09-29-99	--		28.01	46.28	46.28
50M 8	375908077314801	121CSPKU	12-01-98	--		1.27	8.50	8.3
		121CSPKU	03-25-99	--		.31	8.50	8.3
		121CSPKU	06-16-99	--		.74	8.50	8.3
		121CSPKU	09-30-99	--		.01	8.50	8.3
50M 9	375904077315401	400PCMB	12-01-98	--		4.53	10.35	10.3
		400PCMB	03-25-99	--		3.65	10.35	10.3
		400PCMB	06-16-99	--		3.85	10.35	10.33
		400PCMB	09-30-99	--		3.07	10.35	10.33
		400PCMB	09-30-99	REPLICATE		3.07	10.35	10.33
50M 10	375904077315402	121CSPKU	12-01-98	--		4.93	7.90	7.6
		121CSPKU	03-25-99	--		4.16	7.90	7.6
		121CSPKU	03-25-99	REPLICATE		4.16	7.90	7.6
		121CSPKU	06-16-99	--		4.25	7.90	6.6
		121CSPKU	09-30-99	--		3.45	7.90	6.6
50M 11	375853077315901	400PCMB	12-01-98	--		4.90	41.80	41.6
		400PCMB	03-25-99	--		-1.18	41.80	41.6
		400PCMB	06-16-99	--		2.27	41.80	41.6
		400PCMB	09-30-99	--		1.79	41.80	41.6
50M 12	375853077315902	121CSPKU	12-01-98	--		4.74	15.40	15.2
		121CSPKU	03-25-99	--		-2.27	15.40	15.2
		121CSPKU	06-16-99	--		2.12	15.40	15.2
		121CSPKU	09-30-99	--		1.42	15.40	15.2
50M 13	375853077315903	121CSPKU	12-01-98	--		6.09	10.20	10.0
		121CSPKU	03-25-99	--		1.30	10.20	10.0
		121CSPKU	06-16-99	--		3.81	10.20	10.0
		121CSPKU	09-30-99	--		1.24	10.20	10.0
50M 14	375842077321301	400PCMB	12-01-98	--		18.08	47.50	47.3
		400PCMB	03-25-99	--		13.83	47.50	47.3
		400PCMB	06-18-99	--		13.97	47.50	47.3
		400PCMB	09-30-99	--		--	47.50	47.3
50M 15	375842077321302		12-01-98	--		18.00	27.00	26.8
			03-25-99	--		13.49	27.00	26.8
			06-18-99	--		13.90	27.00	26.8
			09-30-99	--		16.62	27.00	26.8

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WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
CAROLINE COUNTY--Continued								
50M 7	41.28	240	84	6.7	--	--	14.5	.3
50M 8	6.0	200	370	6.4	--	--	15.5	.5
	6.0	200	350	6.4	750	13.0	9.1	1.0
	6.0	200	424	6.4	--	--	18.3	.3
	6.0	200	598	6.3	--	--	20.8	.1
50M 9	9.2	215	248	6.5	--	--	15.3	.0
	9.2	215	312	6.7	750	13.5	11.5	.1
	9.2	215	320	6.6	--	--	14.7	.0
	9.2	215	306	6.5	--	--	17.5	.0
	9.2	215	306	6.5	--	--	17.5	.0
50M 10	5.6	215	200	6.4	--	--	14.8	.1
	5.6	215	264	6.6	750	14.0	11.1	.04
	5.6	215	264	6.6	750	14.0	11.1	.0
	5.6	215	260	6.5	--	--	15.5	.0
	5.6	215	248	6.3	--	--	17.9	.0
50M 11	36.6	240	52	6.6	--	--	14.7	3.6
	36.6	240	64	6.4	749	13.0	14.4	3.5
	36.6	240	96	6.3	--	--	14.4	2.3
	36.6	240	59	6.3	--	--	14.3	4.1
50M 12	13.2	240	15	5.1	--	--	15.9	6.8
	13.2	240	20	5.6	749	13.0	12.7	5.0
	13.2	240	21	5.5	--	--	13.1	7.1
	13.2	240	19	5.2	--	--	16.3	6.0
50M 13	8.0	240	47	5.7	--	--	15.5	1.9
	8.0	240	48	5.9	749	14.0	10.2	1.5
	8.0	240	28	5.9	--	--	13.8	3.9
	8.0	240	24	5.5	--	--	17.9	2.7
50M 14	42.3	265	38	5.6	--	--	13.9	7.1
	42.3	265	36	6.0	748	14.0	14.0	5.4
	42.3	265	36	--	--	--	14.1	6.6
	42.3	265	36	6.2	--	--	14.0	7.6
50M 15	24.8	265	22	4.6	--	--	15.1	7.4
	24.8	265	24	5.2	748	14.0	14.3	4.6
	24.8	265	25	--	--	--	13.7	8.1
	24.8	260	23	5.4	--	--	14.3	9.0

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LOCAL IDENT- I- FIER	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	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)	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)
CAROLINE COUNTY--Continued							
50M 7	--	.007	.44	.003	<.1	.048	.034
50M 8	--	.007	.007	13.3	14	.002	.012
	9	.002	.022	7.26	--	<.004	.004
	--	.008	.026	10	10	.004	.003
	--	.003	<.005	6.97	15	E.003	<.001
50M 9	--	<.001	.005	1.2	1.2	.001	.003
	1	<.001	.005	1.3	1.2	<.004	.002
	--	.005	.008	1.4	1.2	<.004	.054
	--	.004	.005	1.3	1.3	<.006	<.001
	--	<.001	<.005	1.4	1.3	<.006	.001
50M 10	--	.001	<.005	1.2	1.3	.001	.012
	0	.001	.005	1.3	1.2	<.004	.002
	0	.001	.005	1.3	1.1	<.004	.004
	--	<.001	.006	1.3	1.2	.006	<.001
	--	<.001	<.005	1.2	1.2	E.003	<.001
50M 11	--	<.001	.022	<.002	<.1	.079	.082
	35	.001	.028	.003	<.1	.086	.084
	--	.001	.031	.004	<.1	.088	.085
	--	<.001	.01	<.002	E.05	.093	.084
50M 12	--	<.001	.11	<.002	<.1	.003	.003
	48	<.001	.13	.004	<.1	<.004	.003
	--	.002	.11	.006	<.1	<.004	.01
	--	<.001	.12	.003	<.1	<.006	<.001
50M 13	--	<.001	.040	.003	<.1	.002	.001
	14	<.001	.041	.006	<.1	<.004	.002
	--	<.001	.061	.004	<.1	<.004	<.001
	--	.002	.061	.006	<.1	<.006	<.001
50M 14	--	<.001	.34	<.002	<.1	.001	.001
	53	.001	.27	.002	<.1	<.004	.003
	--	<.001	.26	.004	E.08	<.004	.001
	--	<.001	.28	<.002	<.1	<.006	<.001
50M 15	--	<.001	.86	<.002	<.1	.010	.005
	46	<.001	.85	.002	<.1	<.004	.002
	--	.001	.82	.003	<.1	<.004	.002
	--	<.001	.81	<.002	E.06	<.006	.001

E Estimated

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LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)
CAROLINE COUNTY--Continued								
50M 16	385814077321403		121CSPKU	04-19-99	--	7.84	16.20	16.0
			121CSPKU	06-18-99	--	13.00	16.20	16.0
			121CSPKU	09-29-99	--	8.64	16.20	16.0
50M 17	385814077321404		121CSPKU	04-19-99	--	7.69	10.50	10.3
			121CSPKU	09-29-99	--	8.53	10.50	10.3
50M 18	385812077321802		400PCMB	04-20-99	--	7.83	14.70	14.5
			400PCMB	09-30-99	--	9.42	14.70	14.5
50M 19	385812077321803		121CSPKU	04-19-99	--	7.38	11.50	11.3
			121CSPKU	09-30-99	--	8.66	11.50	11.3
50M 21	375810077321901		400PCMB	04-20-99	--	6.18	10.10	9.9
50M 22	375810077321902		400PCMB	04-20-99	--	5.70	7.60	7.4
50M 23	385809077322003		400PCMB	04-21-99	--	3.27	7.70	7.1
50M 24	375808077321801		110QRNR	04-21-99	--	2.30	4.30	4.3
50M 25	375808077322001		110QRNR	04-21-99	--	2.85	3.60	3.4
			110QRNR	09-29-99	--	--	3.60	3.4
50M 26	375807077322101		400PCMB	04-21-99	--	--	9.10	8.9
			400PCMB	09-29-99	--	3.93	9.10	8.9
50M 27	375806077322301		400PCMB	06-18-99	--	24.39	24.80	24.6
50M 28	375808077321802		400PCMB	04-21-99	--	--	3.90	--
51M 15	385832077253501		121CSPKU	12-02-98	--	22.35	25.29	25.29
			121CSPKU	04-22-99	--	21.55	25.29	26.8
			121CSPKU	04-22-99	REPLICATE	21.55	25.29	26.8
			121CSPKU	06-17-99	--	22.15	25.29	25.29
			121CSPKU	09-27-99	--	21.65	25.29	25.29
51M 16	385827077254101		121CSPKU	12-02-98	--	9.78	14.50	14.50

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
CAROLINE COUNTY--Continued								
50M 16	11.4	250	56	4.9	--	--	17.7	8.7
	11.4	250	86	--	--	--	14.2	5.6
	11.4	250	55	5.6	--	--	18.5	8.0
50M 17	4.7	250	55	4.7	--	--	14.6	8.9
	4.7	250	64	5.7	--	--	19.9	7.6
50M 18	12.5	235	39	4.7	--	--	15.0	6.2
	12.5	235	38	4.3	--	--	16.1	7.4
50M 19	9.3	235	50	4.9	--	--	15.4	6.7
	9.3	235	57	5.3	--	--	17.9	7.6
50M 21	7.9	220	34	4.7	--	--	12.2	2.8
50M 22	5.4	220	31	4.7	--	--	19.0	4.0
50M 23	5.5	210	28	--	--	--	10.5	.6
50M 24	2.3	210	31	4.3	--	--	11.1	.4
50M 25	1.4	210	66	4.9	--	--	11.3	4.8
	1.4	210	51	5.1	--	--	17.9	2.1
50M 26	6.9	215	78	4.6	--	--	10.9	5.2
	6.9	215	78	5.2	--	--	15.6	4.8
50M 27	20.0	240	--	--	--	--	--	--
50M 28	--	210	--	--	--	--	--	--
51M 15	20.29	190	156	4.2	--	--	16.2	8.1
	24.8	190	198	4.1	754	11.0	13.6	9.2
	24.8	190	198	4.1	754	11.0	13.6	9.2
	20.29	190	233	4.5	--	--	13.5	9.1
	20.29	190	223	4.6	--	--	15.8	8.0
51M 16	9.50	160	43	4.3	--	--	16.8	2.8

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	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)	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)
CAROLINE COUNTY--Continued							
50M 16	--	<.01	3.8	<.02	<.1	<.05	<.01
	--	.001	3.9	.024	E.10	<.004	.003
	--	<.001	3.4	.017	E.10	<.006	<.001
50M 17	--	<.01	3.7	<.02	<.1	<.05	.01
	--	<.001	3.4	<.002	E.06	E.003	.001
50M 18	--	<.01	2.4	<.02	E.05	<.05	.01
	--	<.001	--	<.002	<.1	E.004	.001
50M 19	--	<.01	3.3	.02	<.1	<.05	.01
	--	<.001	2.2	.015	E.09	E.003	.002
50M 21	--	<.01	.11	<.02	<.1	<.05	.01
50M 22	--	<.01	.11	<.02	<.1	<.05	<.01
50M 23	--	<.01	.09	.06	.1	<.05	.01
50M 24	--	<.01	.10	<.02	<.1	<.05	.01
50M 25	--	<.01	2.5	<.02	<.1	<.05	.01
	--	<.001	.049	.016	.4	.012	.002
50M 26	--	<.01	4.1	<.02	<.1	<.05	.01
	--	<.001	4.2	<.002	<.1	<.006	<.001
50M 27	--	.009	1.1	.212	.4	.02	.001
50M 28	--	<.01	.10	.03	.2	<.05	.02
51M 15	--	<.001	16.113	<.002	<.1	.001	.001
	90	<.001	14	.006	<.1	<.004	.001
	90	<.001	13	.006	E.05	<.004	.002
	--	.001	10	.005	E.09	<.004	.003
	--	<.001	14.292	<.002	<.1	<.006	.001
51M 16	--	.003	1.7	<.002	<.1	.002	.002

E Estimated

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
CAROLINE COUNTY--Continued										
51M 16	385827077254101		121CSPKU	04-22-99	--	8.24	14.50	14.50	9.50	160
			121CSPKU	06-17-99	--	8.88	14.50	14.50	9.50	160
			121CSPKU	09-27-99	--	5.22	14.50	14.50	9.50	160
51M 17	385819077254501		121CSPKU	12-02-98	--	11.39	13.98	13.98	8.98	130
			121CSPKU	04-22-99	--	11.01	13.98	13.98	8.98	130
			121CSPKU	06-17-99	REPLICATE	11.30	13.98	13.98	8.98	130
			121CSPKU	06-17-99	--	11.30	13.98	13.98	8.98	130
			121CSPKU	09-27-99	--	10.03	13.98	13.98	8.98	130
51M 18	385811077254901		125PLCN	12-02-98	--	10.57	52.54	52.54	47.54	110
			125PLCN	03-26-99	--	10.14	52.54	52.54	47.54	110
			125PLCN	06-17-99	--	--	52.54	52.54	47.54	110
			125PLCN	09-27-99	--	11.46	52.54	52.54	47.54	110
51M 19	385811077254902		110QRNR	12-02-98	--	7.46	9.80	9.8	4.80	110
			110QRNR	03-26-99	--	6.60	9.80	9.8	4.80	110
			110QRNR	06-17-99	--	8.30	9.80	5.90	4.80	110
			110QRNR	09-27-99	--	7.38	9.80	9.8	4.80	110
51M 20	385759077254501		110QRNR	12-02-98	--	10.51	14.89	14.89	9.89	115
			110QRNR	12-02-98	REPLICATE	10.71	14.89	14.89	9.89	115
			110QRNR	03-26-99	--	8.67	14.89	14.89	9.89	115
			110QRNR	06-17-99	--	9.58	14.89	14.89	9.89	115
			110QRNR	09-27-99	--	9.64	14.89	14.89	9.89	115
51M 21	385748077255801		121CSPKU	12-02-98	--	14.72	17.53	17.53	12.53	185
			121CSPKU	03-26-99	--	12.61	17.53	17.53	12.53	185
			121CSPKU	06-17-99	--	13.23	17.53	17.53	12.53	185
			121CSPKU	09-27-99	REPLICATE	14.30	17.53	17.53	12.5	185
			121CSPKU	09-27-99	--	14.30	17.53	17.53	12.5	185
51M 22	375729077254301		110QRNR	09-27-99	--	7.89	13.40	13.2	12	110
51M 23	375729077254302		110QRNR	09-27-99	--	7.71	11.50	11.3	9.3	110
CHARLOTTE COUNTY										
41E 1	370311078390201		000GRGS	09-01-99	--	--	200	200	103	555
41ES 1	370330078382601		000GRGS	09-01-99	--	--	--	--	--	535
CHESTERFIELD COUNTY										
50J 10	373133077364701		300PRBG	06-28-99	--	--	950	950	200	362
52G 33	372059077210501		110QRNR	10-07-98	--	--	90	90	50	129
CRAIG COUNTY										
30J 1	373101080050601		341MLBR	08-26-99	--	--	180	180	120	1230
DINWIDDIE COUNTY										
49D 1	365924077441601			09-01-99	--	--	145	132	72	225
FAUQUIER COUNTY										
48S 20H	383207077485001		231BLBF	09-13-99	--	--	281	250	165	280
48S 37	383515077470201		220JRSC	09-13-99	--	--	500	440	400	325
48U 25	385211077513301		400MRHL	09-13-99	--	--	310	270	124	660

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENTIFIER	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD OF UNITS) (00400)	BAROMETRIC PRES-SURE (MM OF HG) (00025)	TEMPERATURE OF AIR (DEG C) (00020)	TEMPERATURE OF WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATURATION (PER-CENT) (00301)	BICARBONATE DIS-SOLVED WATER FIELD AS HCO3 (00453)
CAROLINE COUNTY--Continued									
51M 16	48	3.8	--	--	12.1	--	3.0	--	--
	53	4.8	--	--	13.8	--	2.7	--	--
	57	5.2	--	--	17.6	--	4.5	--	--
51M 17	72	5.8	--	--	15.8	--	1.5	--	--
	50	4.4	--	--	10.8	--	3.4	--	--
	77	5.9	--	--	13.4	--	1.7	--	--
	77	5.9	--	--	13.4	--	1.7	--	--
	82	6.9	--	--	17.7	--	1.3	--	--
51M 18	345	7.4	--	--	14.1	--	.2	--	--
	454	7.2	755	13.5	14.5	--	.1	1	--
	468	--	--	--	14.3	--	1.4	--	--
	431	--	--	--	18.1	--	--	--	--
51M 19	33	4.8	--	--	15.4	--	.5	--	--
	154	5.7	757	10.0	9.6	--	3.5	31	--
	42	--	--	--	15.7	--	--	--	--
	56	5.5	--	--	19.7	--	4.2	--	--
51M 20	227	4.3	--	7.2	17.2	--	5.2	--	--
	227	4.3	--	7.2	17.2	--	5.2	--	--
	212	4.5	757	8.0	11.7	--	5.0	46	--
	279	4.6	--	--	14.6	--	7.3	--	--
	241	4.6	--	--	18.6	--	6.7	--	--
51M 21	73	5.7	--	3.8	16.3	--	4.7	--	--
	64	5.3	755	9.0	12.3	--	3.5	33	--
	62	5.3	--	--	14.1	--	.6	--	--
	--	--	--	--	--	--	--	--	--
	109	5.3	--	--	17.0	--	1.7	--	--
51M 22	189	5.0	--	--	18.7	--	6.1	--	--
51M 23	176	4.9	--	--	19.1	--	2.5	--	--
CHARLOTTE COUNTY--Continued									
41E 1	127	5.8	744	25.1	15.6	--	5.6	58	41
41ES 1	109	5.2	744	19.8	14.7	--	7.3	73	18
CHESTERFIELD COUNTY--Continued									
50J 10	184	6.7	741	30.3	19.3	.2	.3	4	94
52G 33	70	4.6	761	19.8	17.2	.5	7.1	74	2
CRAIG COUNTY--Continued									
30J 1	216	6.9	721	21.8	14.1	--	6.1	62	114
DINWIDDIE COUNTY--Continued									
49D 1	905	6.7	751	20.1	16.5	--	.5	5	145
FAUQUIER COUNTY--Continued									
48S 20H	1310	7.2	754	21.3	15.0	--	.8	8	212
48S 37	669	7.5	750	29.8	15.8	--	.3	3	142
48U 25	643	6.6	741	25.6	13.6	--	4.3	43	170

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)	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)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
CAROLINE COUNTY--Continued									
51M 16	--	--	<.001	1.5	.006	<.1	.006	.002	--
	--	--	.001	1.9	.003	<.1	<.004	.001	--
	--	--	.004	2.2	.012	.1	E.003	.001	--
51M 17	--	--	.003	.034	.033	.2	.049	.009	--
	--	--	<.001	1.4	.008	.2	<.004	.008	--
	--	--	.003	.71	.046	.1	<.004	.003	--
	--	--	.003	.71	.048	E.07	<.004	.002	--
	--	--	.001	.23	.024	<.1	<.006	<.001	--
51M 18	--	--	<.001	.098	<.002	<.1	.038	.038	--
	--	--	.001	.028	.088	.2	.034	.027	--
	--	--	.001	.12	.004	<.1	.033	.031	--
	--	--	<.001	.37	.004	.1	.076	.059	--
51M 19	--	--	<.001	.031	<.002	<.1	.001	.001	--
	--	--	<.001	.031	.003	E.06	<.004	.001	--
	--	--	<.001	.091	.007	E.05	.004	.001	--
	--	--	<.001	.027	.0	<.1	<.006	<.001	--
51M 20	--	--	<.001	3.0	<.002	<.1	.001	.002	--
	--	--	<.001	3.0	<.002	<.1	.001	.001	--
	--	--	<.001	5.7	.002	E.07	<.004	.002	--
	--	--	.001	5.0	.005	E.08	<.004	.003	--
	--	--	<.001	4.7	<.002	<.1	<.006	<.001	--
51M 21	--	--	<.001	.64	.002	<.1	.003	.001	--
	--	--	<.001	.019	.006	E.07	<.004	.002	--
	--	--	<.001	.04	.004	<.1	<.004	.002	--
	--	--	<.001	<.005	<.002	<.1	E.004	.001	--
	--	--	<.001	.73	<.002	<.1	.010	<.001	--
51M 22	--	--	<.001	3.8	.007	<.1	<.006	<.001	--
51M 23	--	--	.002	5.2	.015	E.06	<.006	<.001	--
CHARLOTTE COUNTY--Continued									
41E 1	.0	34	--	2.6	--	--	--	--	.2
41ES 1	.0	15	--	2.9	--	--	--	--	.3
CHESTERFIELD COUNTY--Continued									
50J 10	.0	77	--	<.05	--	--	--	--	.2
52G 33	.0	1	--	4.1	--	--	--	--	.3
CRAIG COUNTY--Continued									
30J 1	.0	93	--	.59	--	--	--	--	.3
DINWIDDIE COUNTY--Continued									
49D 1	.0	119	--	<.05	--	--	--	--	.7
FAUQUIER COUNTY--Continued									
48S 20H	.0	174	--	.91	--	--	--	--	.6
48S 37	.0	116	--	.07	--	--	--	--	.4
48U 25	.0	139	--	<.05	--	--	--	--	1.2

E Estimated

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)
FLOYD COUNTY									
28D	4	365439080190101	400GRGS	09-16-99	--	--	350	316	55
29E	1	370249080120801		09-16-99	--	--	200	--	--
29E	2	370246080120602		09-16-99	--	36.4	57	57	52
FLUVANNA COUNTY									
44L	1	374651078161601	360ODVC	08-23-99	--	--	505	400	68
44L	2	374610078172001	000MMPS	08-23-99	--	--	305	225	90
FRANKLIN COUNTY									
30D	1	365543080004901	400GRGS	07-20-99	--	--	330	300	100
GILES COUNTY									
24G	1	371938080491301	367KNOX	07-21-99	--	--	270	--	--
25G	1	372017080410701	364ODVCM	07-21-99	--	--	587	540	539
GOOCHLAND COUNTY									
49K	2	374159077445901	400GRGS	09-02-99	--	--	370	114	84
			400GRGS	09-02-99	REPLICATE	--	370	114	84
GREENSVILLE COUNTY									
50B	2	364409077303801	000MPVS	08-31-99	--	--	345	316	94
HENRICO COUNTY									
52HS	1	372615077175701	110QRNR	10-28-98	--	--	--	--	--
HIGHLAND COUNTY									
34R	1	382439079344801	341MLBR	08-12-99	--	--	360	341	340
ISLE OF WIGHT COUNTY									
57E	10 SOW 144B	370236076425901	211CRCSU	05-11-99	--	--	440.00	--	--
57E	14 SOW 144A	370253076431201	217PPSC	05-10-99	--	--	600.00	--	--
JAMES CITY COUNTY									
56H	26 SOW 177B	372506076511702	217PPSC	06-29-99	--	179.51	581.00	--	--
			217PPSC	06-29-99	REPLICATE	179.51	581.00	--	--
56H	27 SOW 177C	372506076511703	211CRCSU	06-21-99	--	173.98	401.00	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	(00301)
FLOYD COUNTY--Continued									
28D 4	2450	228	5.6	689	14.4	13.8	--	6.7	71
29E 1	2800	69	5.1	677	18.8	14.9	--	4.9	54
29E 2	2740	53	5.7	677	19.7	12.0	--	8.6	90
FLUVANNA COUNTY--Continued									
44L 1	355	192	7.0	749	25.1	14.7	--	4.2	42
44L 2	415	112	6.2	745	23.9	15.2	--	2.5	25
FRANKLIN COUNTY--Continued									
30D 1	1290	147	6.4	723	29.3	14.5	--	.7	8
GILES COUNTY--Continued									
24G 1	1590	346	7.5	718	22.8	13.9	--	7.8	81
25G 1	1835	497	7.1	712	27.4	13.6	--	9.1	93
GOOCHLAND COUNTY--Continued									
49K 2	360	128	6.3	747	23.8	15.4	--	.6	--
	360	128	6.3	747	23.8	15.4	--	.6	--
GREENSVILLE COUNTY--Continued									
50B 2	120	544	7.4	756	21.5	15.6	--	1.5	15
HENRICO COUNTY--Continued									
52HS 1	95.0	66	4.4	755	17.2	16.0	.2	3.9	40
HIGHLAND COUNTY--Continued									
34R 1	2880	334	7.3	683	27.2	12.8	--	.7	7
ISLE OF WIGHT COUNTY--Continued									
57E 10 SOW 144B	85.0	481	8.1	758	26.0	19.5	--	.0	0
57E 14 SOW 144A	86.0	384	8.1	756	27.0	19.8	--	.0	0
JAMES CITY COUNTY--Continued									
56H 26 SOW 177B	103	1050	8.1	749	31.0	19.8	--	.0	0
	103	1050	8.1	749	31.0	19.8	--	.0	0
56H 27 SOW 177C	103	682	7.7	759	--	18.7	--	.4	4

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	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 WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
FLOYD COUNTY--Continued									
28D 4	--	--	--	--	56	.0	46	--	--
29E 1	--	--	--	--	18	.0	15	--	--
29E 2	--	--	--	--	24	.0	19	--	--
FLUVANNA COUNTY--Continued									
44L 1	--	--	--	--	100	.0	82	--	--
44L 2	--	--	--	--	45	.0	37	--	--
FRANKLIN COUNTY--Continued									
30D 1	--	--	--	--	69	.0	57	--	--
GILES COUNTY--Continued									
24G 1	--	--	--	--	215	.0	176	--	--
25G 1	--	--	--	--	267	.0	219	--	--
GOOCHLAND COUNTY--Continued									
49K 2	--	--	--	--	57	.0	47	--	--
	--	--	--	--	57	.0	47	--	--
GREENSVILLE COUNTY--Continued									
50B 2	--	--	--	--	278	.0	228	--	--
HENRICO COUNTY--Continued									
52HS 1	--	--	--	--	.0	.0	.0	--	--
HIGHLAND COUNTY--Continued									
34R 1	--	--	--	--	163	.0	134	--	--
ISLE OF WIGHT COUNTY--Continued									
57E 10 SOW 144B	1.2	.18	110	3.3	289	.0	237	2.6	2.5
57E 14 SOW 144A	.64	.10	96	1.8	242	.0	198	.8	.9
JAMES CITY COUNTY--Continued									
56H 26 SOW 177B	3.1	1.0	240	6.9	450	.0	369	19	82
	3.2	1.0	240	7.2	450	.0	369	19	81
56H 27 SOW 177C	3.3	.75	150	8.4	332	.0	272	11	13

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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)
FLOYD COUNTY--Continued									
28D 4	--	--	--	--	--	3.5	--	--	.3
29E 1	--	--	--	--	--	--	--	--	.2
29E 2	--	--	--	--	--	--	--	--	1.6
FLUVANNA COUNTY--Continued									
44L 1	--	--	--	--	--	<.05	--	--	.2
44L 2	--	--	--	--	--	<.05	--	--	.1
FRANKLIN COUNTY--Continued									
30D 1	--	--	--	--	--	<.05	--	--	.5
GILES COUNTY--Continued									
24G 1	--	--	--	--	--	2.7	--	--	.3
25G 1	--	--	--	--	--	4.8	--	--	.6
GOOCHLAND COUNTY--Continued									
49K 2	--	--	--	--	--	<.05	--	--	.2
	--	--	--	--	--	<.05	--	--	.2
GREENSVILLE COUNTY--Continued									
50B 2	--	--	--	--	--	<.05	--	--	1.4
HENRICO COUNTY--Continued									
52HS 1	--	--	--	--	--	2.9	--	--	.2
HIGHLAND COUNTY--Continued									
34R 1	--	--	--	--	--	<.05	--	--	.5
ISLE OF WIGHT COUNTY--Continued									
57E 10 SOW 144B	2.0	.02	24	320	292	--	99	--	--
57E 14 SOW 144A	2.0	.02	32	260	254	--	310	8	--
JAMES CITY COUNTY--Continued									
56H 26 SOW 177B	2.5	.34	34	663	611	--	47	11	--
	2.5	.32	34	664	609	--	43	10	--
56H 27 SOW 177C	2.3	.09	30	450	386	--	E8	9	--

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
KING AND QUEEN COUNTY									
57H 23	372823076433601		124EOCN	10-01-98	--	208	208	190	6.0
LANCASTER COUNTY									
59K 1 SOW 015	374249076230101		211CRCSU	12-08-98	--	716.00	--	--	90.0
			211CRCSU	05-14-99	--	716.00	--	--	90.0
			211CRCSU	05-14-99	REPLICATE	716.00	--	--	90.0
59K 21	374244076224401		211CRCSU	12-08-98	--	730.00	--	--	90.0
			211CRCSU	06-18-99	--	730.00	--	--	90.0
LOUDOUN COUNTY									
49V 91	385814077440501		400MRHL	09-14-99	--	685	645	100	490
LOUISA COUNTY									
47N 5	380046077531801		000AARF	09-02-99	--	211	211	98	439
47NS 1	380124077524801		000AARF	09-02-99	--	--	--	--	360
MECKLENBURG COUNTY									
43C 1	364917078275401		000MPVS	06-30-99	--	385	360	123	558
MIDDLESEX COUNTY									
59J 6	373201076261201		124EOCN	12-11-98	--	461.00	--	--	56.0
59J 12	373304076261701		121CSPKU	10-27-98	--	104	104	84	65.0
NELSON COUNTY									
39M 3	375530078572101		400CTCN	07-20-99	--	335	68	268	3440
NOTTOWAY COUNTY									
45F 1	371054078114201		000GRNT	08-30-99	--	--	--	--	480
PAGE COUNTY									
42R 1	382843078363101		371CCCG	07-08-99	--	660	649	648	1070
42R 2	382920078361101		371CCCG	07-06-99	--	500	369	368	1168
42R 3	382901078363101		371CCCG	07-08-99	--	460	366	186	1070
42S 2	383400078303901		377ROME	07-06-99	--	632	578	526	1175
42S 3	383500078300501		371CCCG	07-09-99	--	482	467	461	1050
42S 4	383403078303601		377ROME	07-09-99	--	490	490	333	1140
43S 17	383447078293201		371LEBK	07-09-99	--	372	350	195	1070
43S 19	383602078291501		371CCCG	07-09-99	--	300	300	203	970

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENTIFIER	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD OF UNITS) (00400)	BAROMETRIC PRES-SURE (MM OF HG) (00025)	TEMPERATURE OF AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATURATION (PER-CENT) (00301)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
KING AND QUEEN COUNTY--Continued									
57H 23	501	8.7	751	24.0	16.9	.3	.2	2	--
LANCASTER COUNTY--Continued									
59K 1 SOW 015	724	8.8	752	20.0	19.6	--	.2	2	2.2
	688	8.6	755	15.0	19.3	--	--	--	2.2
	688	8.6	755	15.0	19.3	--	--	--	2.2
59K 21	809	8.6	755	18.0	21.5	--	.1	1	.57
	798	8.2	760	25.0	21.7	--	1.1	12	.55
LOUDOUN COUNTY--Continued									
49V 91	376	6.9	745	20.4	14.8	--	.3	3	--
LOUISA COUNTY--Continued									
47N 5	67	5.8	747	22.4	14.6	--	6.9	70	--
47NS 1	55	5.7	748	21.4	13.7	--	8.0	78	--
MECKLENBURG COUNTY--Continued									
43C 1	196	6.8	739	22.7	16.1	.4	1.8	19	--
MIDDLESEX COUNTY--Continued									
59J 6	1800	8.3	760	10.0	18.8	--	.0	0	3.8
59J 12	343	7.4	763	18.3	16.9	.1	.3	3	--
NELSON COUNTY--Continued									
39M 3	64	6.0	672	22.3	11.1	--	9.6	99	--
NOTTOWAY COUNTY--Continued									
45F 1	245	6.4	744	19.6	15.6	--	7.8	80	--
PAGE COUNTY--Continued									
42R 1	294	7.4	727	32.6	12.3	--	6.3	62	--
42R 2	343	7.5	724	27.6	13.4	.0	7.4	75	--
42R 3	302	7.3	728	34.1	12.0	--	7.3	71	--
42S 2	241	7.8	725	31.9	15.3	.6	7.7	81	--
42S 3	285	7.5	729	25.4	15.4	--	5.7	59	--
42S 4	235	7.7	724	29.7	12.9	--	7.4	73	--
43S 17	313	7.6	727	34.3	13.7	--	6.1	62	--
43S 19	249	7.8	730	38	14.1	--	7.0	71	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	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 WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
KING AND QUEEN COUNTY--Continued									
57H 23	--	--	--	283	18	232	--	--	--
LANCASTER COUNTY--Continued									
59K 1 SOW 015	.79	160	8.2	390	23	357	10	2.5	--
	.84	170	8.3	395	9	339	11	3.2	2.7
	.84	170	8.3	395	9	339	11	3.2	2.7
59K 21	.25	190	4.9	447	7	378	23	3.4	--
	.25	180	4.6	424	.0	348	24	3.6	3.3
LOUDOUN COUNTY--Continued									
49V 91	--	--	--	149	.0	122	--	--	--
LOUISA COUNTY--Continued									
47N 5	--	--	--	30	.0	25	--	--	--
47NS 1	--	--	--	28	.0	23	--	--	--
MECKLENBURG COUNTY--Continued									
43C 1	--	--	--	100	.0	82	--	--	--
MIDDLESEX COUNTY--Continued									
59J 6	2.1	380	14	791	.0	648	6.8	170	2.1
59J 12	--	--	--	182	.0	149	--	--	--
NELSON COUNTY--Continued									
39M 3	--	--	--	24	.0	20	--	--	--
NOTTOWAY COUNTY--Continued									
45F 1	--	--	--	98	.0	80	--	--	--
PAGE COUNTY--Continued									
42R 1	--	--	--	200	.0	164	--	--	--
42R 2	--	--	--	216	.0	177	--	--	--
42R 3	--	--	--	205	.0	168	--	--	--
42S 2	--	--	--	158	.0	130	--	--	--
42S 3	--	--	--	162	.0	133	--	--	--
42S 4	--	--	--	144	.0	118	--	--	--
43S 17	--	--	--	164	.0	134	--	--	--
43S 19	--	--	--	134	.0	110	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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)
KING AND QUEEN COUNTY--Continued								
57H 23	--	--	--	--	.08	--	--	.8
LANCASTER COUNTY--Continued								
59K 1 SOW 015	--	21	418	424	--	50	E2	--
	.04	21	--	420	--	44	E3	--
	.03	21	459	420	--	45	3	--
59K 21	--	12	--	456	--	<10	8	--
	.06	12	498	440	--	E5	7	--
LOUDOUN COUNTY--Continued								
49V 91	--	--	--	--	.14	--	--	.5
LOUISA COUNTY--Continued								
47N 5	--	--	--	--	.62	--	--	.2
47NS 1	--	--	--	--	.37	--	--	.2
MECKLENBURG COUNTY--Continued								
43C 1	--	--	--	--	.15	--	--	.2
MIDDLESEX COUNTY--Continued								
59J 6	.73	41	1060	1010	--	18	<4	--
59J 12	--	--	--	--	.05	--	--	.1
NELSON COUNTY--Continued								
39M 3	--	--	--	--	.30	--	--	.2
NOTTOWAY COUNTY--Continued								
45F 1	--	--	--	--	.70	--	--	.5
PAGE COUNTY--Continued								
42R 1	--	--	--	--	--	--	--	.4
42R 2	--	--	--	--	.75	--	--	.5
42R 3	--	--	--	--	--	--	--	.4
42S 2	--	--	--	--	<.05	--	--	.3
42S 3	--	--	--	--	--	--	--	.3
42S 4	--	--	--	--	--	--	--	.3
43S 17	--	--	--	--	--	--	--	.4
43S 19	--	--	--	--	--	--	--	.2

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)
PITTSYLVANIA COUNTY									
35C	1	365110079224301	400GRGS	06-29-99	--	69.5	425	374	135
PRINCE EDWARD COUNTY									
43F	1	371439078275101	000GRGS	07-01-99	--	--	528	--	--
PRINCE GEORGE COUNTY									
52G	32	371554077210501	110QRNR	10-06-98	--	--	95	80	70
ROANOKE COUNTY									
31G	2	371611079535201	000GRNT	08-26-99	--	--	625	335	320
ROCKBRIDGE COUNTY									
35J	2	373715079290101	377CHLH	08-24-99	--	--	610	--	610
35K	2	373800079264501	377SHDY	07-08-99	--	--	317	317	172
37M	4	375541079123501	371CCCG	08-24-99	--	--	300	--	--
ROCKINGHAM COUNTY									
39RS	1	382948078575301		11-10-98	--	--	--	--	--
39SS	1	383216078572801		11-09-98	--	--	--	--	--
				11-09-98	REPLICATE	--	--	--	--
				02-02-99	--	--	--	--	--
				03-18-99	--	--	--	--	--
				04-19-99	--	--	--	--	--
				06-08-99	--	--	--	--	--
				06-30-99	--	--	--	--	--
				08-11-99	--	--	--	--	--
				09-20-99	--	--	--	--	--
39SS	2	383234078553201		11-09-98	--	--	--	--	--
39SS	3	383136078563401		11-09-98	--	--	--	--	--
39SS	4	383255078561901		11-10-98	--	--	--	--	--
SHENANDOAH COUNTY									
40U	1	384854078455201	341CMNG	08-11-99	--	--	385	375	110
43V	3	385729078271401	371CCCG	08-11-99	--	--	300	--	--
SOUTHAMPTON COUNTY									
55A	3 SOW 086	363632076580101	217PTXN	03-31-99	--	157.09	745.00	--	--
55A	4	363540076560001		10-05-98	--	--	182	182	172

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
PITTSYLVANIA COUNTY--Continued								
35C 1	775	141	6.4	729	29.5	15.4	.9	.3
PRINCE EDWARD COUNTY--Continued								
43F 1	500	160	6.2	745	25	14.4	.9	.3
PRINCE GEORGE COUNTY--Continued								
52G 32	113	36	5.1	763	18.2	17.4	.3	6.4
ROANOKE COUNTY--Continued								
31G 2	935	972	7.5	730	23.1	17.5	--	.4
ROCKBRIDGE COUNTY--Continued								
35J 2	875	254	7.5	735	22.6	13.2	--	4.2
35K 2	725	301	7.3	738	24.2	15.0	--	2.8
37M 4	1730	482	7.0	712	25.1	13.3	--	6.4
ROCKINGHAM COUNTY--Continued								
39RS 1	1420	408	7.0	--	--	12.2	--	7.2
39SS 1	1610	341	7.3	--	--	11.7	--	4.2
	1610	341	7.3	--	--	11.7	--	4.2
	1610	313	7.2	714	10.1	11.4	--	6.8
	1610	257	7.1	714	11.4	11.2	--	8.5
	1610	246	7.2	718	9.5	11.1	--	7.3
	1610	317	7.1	715	21.0	11.3	--	6.8
	1610	313	6.9	718	19.0	11.5	--	5.2
	1610	336	7.3	719	19.4	11.6	--	--
	1610	333	7.3	715	15.4	11.9	--	5.8
39SS 2	1560	394	7.3	--	--	12.9	--	6.8
39SS 3	1480	379	7.2	--	--	12.7	--	6.6
39SS 4	1600	382	6.8	--	--	12.5	--	5.5
SHENANDOAH COUNTY--Continued								
40U 1	1455	269	7.0	714	30.6	12.8	--	1.1
43V 3	785	531	6.8	730	34.5	13.1	--	4.5
SOUTHAMPTON COUNTY--Continued								
55A 3 SOW 086	18.0	2810	7.6	765	23.5	21.0	--	.1
55A 4	25.0	912	8.1	763	19.6	17.4	.2	.3

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	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 WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
PITTSYLVANIA COUNTY--Continued								
35C 1	3	--	--	--	--	79	.0	64
PRINCE EDWARD COUNTY--Continued								
43F 1	3	--	--	--	--	74	.0	60
PRINCE GEORGE COUNTY--Continued								
52G 32	67	--	--	--	--	2	.0	2
ROANOKE COUNTY--Continued								
31G 2	5	--	--	--	--	111	.0	91
ROCKBRIDGE COUNTY--Continued								
35J 2	41	--	--	--	--	159	.0	130
35K 2	28	--	--	--	--	177	.0	146
37M 4	66	--	--	--	--	302	.0	248
ROCKINGHAM COUNTY--Continued								
39RS 1	--	--	--	--	--	--	--	--
39SS 1	--	--	--	--	--	--	--	--
	62	--	--	--	--	--	--	--
	77.7	--	--	--	--	--	--	--
	66.7	--	--	--	--	--	--	--
	62	--	--	--	--	--	--	--
	48.1	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--
	54.3	--	--	--	--	--	--	--
39SS 2	--	--	--	--	--	--	--	--
39SS 3	--	--	--	--	--	--	--	--
39SS 4	--	--	--	--	--	--	--	--
SHENANDOAH COUNTY--Continued								
40U 1	11	--	--	--	--	158	.0	130
43V 3	45	--	--	--	--	324	.0	266
SOUTHAMPTON COUNTY--Continued								
55A 3 SOW 086	1	3.8	3.9	610	19	536	.0	439
55A 4	3	--	--	--	--	339	.0	278

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	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 DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
PITTSYLVANIA COUNTY--Continued								
35C 1	--	--	--	--	--	--	--	--
PRINCE EDWARD COUNTY--Continued								
43F 1	--	--	--	--	--	--	--	--
PRINCE GEORGE COUNTY--Continued								
52G 32	--	--	--	--	--	--	--	--
ROANOKE COUNTY--Continued								
31G 2	--	--	--	--	--	--	--	--
ROCKBRIDGE COUNTY--Continued								
35J 2	--	--	--	--	--	--	--	--
35K 2	--	--	--	--	--	--	--	--
37M 4	--	--	--	--	--	--	--	--
ROCKINGHAM COUNTY--Continued								
39RS 1	--	--	--	--	--	--	--	.01
39SS 1	--	--	--	--	--	--	--	.01
	--	--	--	--	--	--	--	.01
	--	--	--	--	--	--	--	<.01
	--	--	--	--	--	--	--	<.01
	--	--	--	--	--	--	--	<.01
	--	--	--	--	--	--	--	<.01
	--	--	--	--	--	--	--	<.01
	--	--	--	--	--	--	--	<.01
39SS 2	--	--	--	--	--	--	--	.01
39SS 3	--	--	--	--	--	--	--	.01
39SS 4	--	--	--	--	--	--	--	.01
SHENANDOAH COUNTY--Continued								
40U 1	--	--	--	--	--	--	--	--
43V 3	--	--	--	--	--	--	--	--
SOUTHAMPTON COUNTY--Continued								
55A 3 SOW 086	300	430	1.1	1.7	31	1670	1670	--
55A 4	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)
PITTSYLVANIA COUNTY--Continued								
35C 1	<.05	--	--	--	--	--	--	.2
PRINCE EDWARD COUNTY--Continued								
43F 1	<.05	--	--	--	--	--	--	.3
PRINCE GEORGE COUNTY--Continued								
52G 32	1.7	--	--	--	--	--	--	.2
ROANOKE COUNTY--Continued								
31G 2	<.05	--	--	--	--	--	--	.5
ROCKBRIDGE COUNTY--Continued								
35J 2	.75	--	--	--	--	--	--	.3
35K 2	.57	--	--	--	--	--	--	.6
37M 4	2.8	--	--	--	--	--	--	.6
ROCKINGHAM COUNTY--Continued								
39RS 1	4.7	.05	<.1	<.05	.02	--	--	--
39SS 1	2.3	.04	<.1	.01	.03	--	--	--
	2.3	.05	<.1	<.05	.03	--	--	--
	2.7	<.02	E.06	<.05	.03	--	--	--
	4.7	<.02	.3	E.03	.04	--	--	--
	1.8	<.02	<.1	<.05	.01	--	--	--
	2.2	<.02	E.07	<.05	.01	--	--	--
	2.2	<.02	E.06	<.05	.01	--	--	--
	2.1	<.02	<.1	<.05	.01	--	--	--
	2.9	<.02	.1	<.05	.02	--	--	--
39SS 2	4.0	.05	<.1	<.05	.02	--	--	--
39SS 3	3.4	.04	<.1	<.05	.02	--	--	--
39SS 4	1.3	.05	<.1	<.05	.02	--	--	--
SHENANDOAH COUNTY--Continued								
40U 1	<.05	--	--	--	--	--	--	.7
43V 3	3.4	--	--	--	--	--	--	.7
SOUTHAMPTON COUNTY--Continued								
55A 3 SOW 086	--	--	--	--	--	3800	160	--
55A 4	<.05	--	--	--	--	--	--	.5

E Estimated

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	QUALITY ASSURANCE TYPE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
SURRY COUNTY										
55F 21	371322076570801		217PPSC	10-06-98	--	--	385	380	308	95.0
WASHINGTON COUNTY										
17BS 1	363748081423201		377SHDY	07-22-99	--	--	--	--	--	2440
CITY OF CHESAPEAKE										
60A 21	363351076152601		110QRNR	10-05-98	--	--	69	69	54	22.0
61A 19	363527076112001		217PPSC	03-17-99	--	58.0	1294.00	--	--	11.0
CITY OF FRANKLIN										
55B 65 SOW 145B	364033076562602		217PTXN	04-15-99	--	--	734.00	--	--	34.0
55B 67 SOW 145D	364033076562604		125PLCN	04-13-99	--	--	140.00	--	--	34.0
CITY OF NEWPORT NEWS										
58F 1 SOW 002	371027076335601		211CRCSU	06-24-99	--	109.54	443.00	--	--	20.0
58F 50 SOW 171A	371208076341101		217PTXN	06-15-99	--	142.29	1236.00	--	--	55.0
58F 51 SOW 171B	371208076341102		217PPSC	06-16-99	--	145.90	851.00	--	--	55.0
58F 52 SOW 171C	371208076341103		211CRCSU	06-17-99	--	146.12	537.00	--	--	55.0
58F 89	371041076351703		217PPSC	11-04-98	--	--	1131	1130	1020	30.0
			217PPSC	11-04-98	REPLICATE	--	1131	1130	1020	30.0
CITY OF SUFFOLK										
56A 10 SOW 088A	363345076470201		217PTXN	05-13-99	--	--	1081.00	--	--	45.0
56A 12 SOW 088B	363345076470202		217PPSC	03-19-99	--	141.82	601.00	--	--	45.0
CITY OF VIRGINIA BEACH										
62B 8	364401076003801			05-13-99	--	10.71	132.00	--	--	8.8
62B 9	364352076005401			05-14-99	--	6.77	67.00	--	--	10.7
62C 11 SOW 172C	364745076004303			05-10-99	--	6.96	35.0	--	--	20.0
63C 11	364728075591401			05-12-99	--	6.60	85.00	--	--	9.1
CITY OF WAYNESBORO										
39N 2	380311078541401		377ROME	07-07-99	--	--	432	400	191	1345
			377ROME	07-07-99	REPLICATE	--	432	400	191	1345

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
SURRY COUNTY--Continued										
55F 21	382	8.0	763	20.7	18.2	.2	.3	3	--	--
WASHINGTON COUNTY--Continued										
17BS 1	98	8.4	699	26.3	12.8	--	9.1	94	--	--
CITY OF CHESAPEAKE--Continued										
60A 21	292	7.5	764	22.6	15.7	.4	.2	2	--	--
61A 19	10780	7.5	755	24.0	22.4	--	.4	5	50	35
CITY OF FRANKLIN--Continued										
55B 65 SOW 145B	1799	7.8	753	18.0	20.5	--	.0	0	1.9	1.5
55B 67 SOW 145D	313	8.0	755	18.0	17.2	--	.3	3	2.8	1.6
CITY OF NEWPORT NEWS--Continued										
58F 1 SOW 002	3060	8.5	758	26.0	19.4	--	.9	10	2.9	2.5
58F 50 SOW 171A	8480	7.7	754	22.0	20.9	--	.0	0	47	16
58F 51 SOW 171B	4840	7.3	756	19.0	20.9	--	.0	0	20	7.1
58F 52 SOW 171C	2460	8.0	755	19.0	19.8	--	.4	4	5.0	2.5
58F 89	6230	7.4	753	13.8	24.9	.4	.2	3	--	--
	6230	7.4	753	13.8	24.9	.4	.2	3	--	--
CITY OF SUFFOLK--Continued										
56A 10 SOW 088A	7570	7.1	751	26.0	20.4	--	.0	0	33	27
56A 12 SOW 088B	1080	8.6	758	--	21.1	--	2.0	23	1.3	1.1
CITY OF VIRGINIA BEACH--Continued										
62B 8	339	7.6	755	--	15.8	--	.2	2	30	12
62B 9	192	6.8	760	14.3	15.7	--	.2	2	25	5.7
62C 11 SOW 172C	256	6.8	762	24.2	16.4	--	.3	3	25	4.3
63C 11	256	7.5	762	--	15.3	--	.3	3	30	3.4
CITY OF WAYNESBORO--Continued										
39N 2	132	7.8	721	31.4	13.2	.1	6.9	70	--	--
	132	7.8	721	31.4	13.2	.1	6.9	70	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
SURRY COUNTY--Continued										
55F 21	--	--	239	.0	196	--	--	--	--	--
WASHINGTON COUNTY--Continued										
17BS 1	--	--	62	.0	51	--	--	--	--	--
CITY OF CHESAPEAKE--Continued										
60A 21	--	--	116	.0	95	--	--	--	--	--
61A 19	2300	4.3	393	.0	322	150	3200	.5	10	13
CITY OF FRANKLIN--Continued										
55B 65 SOW 145B	380	10	395	.0	324	170	220	.8	.86	22
55B 67 SOW 145D	65	10	179	.0	147	7.5	2.9	.9	.03	20
CITY OF NEWPORT NEWS--Continued										
58F 1 SOW 002	640	51	392	.0	321	59	690	2.3	2.5	11
58F 50 SOW 171A	1700	25	248	.0	203	150	2600	.7	9.9	20
58F 51 SOW 171B	1000	51	306	.0	251	74	1300	1.2	4.8	37
58F 52 SOW 171C	530	4.7	404	.0	331	58	510	2.3	1.8	15
58F 89	--	--	317	.0	260	--	--	--	--	--
--	--	--	320	.0	260	--	--	--	--	--
CITY OF SUFFOLK--Continued										
56A 10 SOW 088A	1800	35	500	.0	410	570	2000	.3	12	43
56A 12 SOW 088B	250	9.3	549	29	498	11	35	3.6	.14	7.2
CITY OF VIRGINIA BEACH--Continued										
62B 8	16	9.7	--	--	134	<.1	17	.2	.05	25
62B 9	9.5	1.2	--	--	87	1.6	12	.1	.07	24
62C 11 SOW 172C	14	1.3	--	--	67	9.1	13	.1	.26	41
63C 11	11	1.6	--	--	77	.2	12	.2	.03	40
CITY OF WAYNESBORO--Continued										
39N 2	--	--	77	.0	63	--	--	--	--	--
--	--	--	77	.0	63	--	--	--	--	--

< Actual value is known to be less than the value shown.

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

LOCAL IDENT- I- FIER	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- 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)
SURRY COUNTY--Continued										
55F 21	--	--	<.05	--	--	--	--	--	--	.6
WASHINGTON COUNTY--Continued										
17BS 1	--	--	.08	--	--	--	--	--	--	.3
CITY OF CHESAPEAKE--Continued										
60A 21	--	--	<.05	--	--	--	--	--	--	.5
61A 19	5910	5940	--	--	--	--	--	440	8	--
CITY OF FRANKLIN--Continued										
55B 65 SOW 145B	1070	1010	--	--	--	--	--	130	96	--
55B 67 SOW 145D	208	199	--	--	--	--	--	<10	E2	--
CITY OF NEWPORT NEWS--Continued										
58F 1 SOW 002	1720	1650	--	--	--	--	--	120	28	--
58F 50 SOW 171A	4660	4660	--	--	--	--	--	1400	120	--
58F 51 SOW 171B	2630	2690	--	--	--	--	--	830	47	--
58F 52 SOW 171C	1380	1320	--	--	--	--	--	120	10	--
58F 89	--	--	<.05	--	--	--	--	--	--	<.1
--	--	--	<.05	--	--	--	--	--	--	.3
CITY OF SUFFOLK--Continued										
56A 10 SOW 088A	4840	4860	--	--	--	--	--	8900	230	--
56A 12 SOW 088B	642	615	--	--	--	--	--	20	10	--
CITY OF VIRGINIA BEACH--Continued										
62B 8	198	--	.005	.279	.3	.066	.063	130	4	1.3
62B 9	146	137	.005	.105	.2	.068	.003	4300	160	.6
62C 11 SOW 172C	172	156	.008	.223	.3	.16	.082	5400	200	1.3
63C 11	165	148	<.005	.540	.5	.39	.26	1100	97	1.2
CITY OF WAYNESBORO--Continued										
39N 2	--	--	.45	--	--	--	--	--	--	.2
--	--	--	.45	--	--	--	--	--	--	.2

< Actual value is known to be less than the value shown.