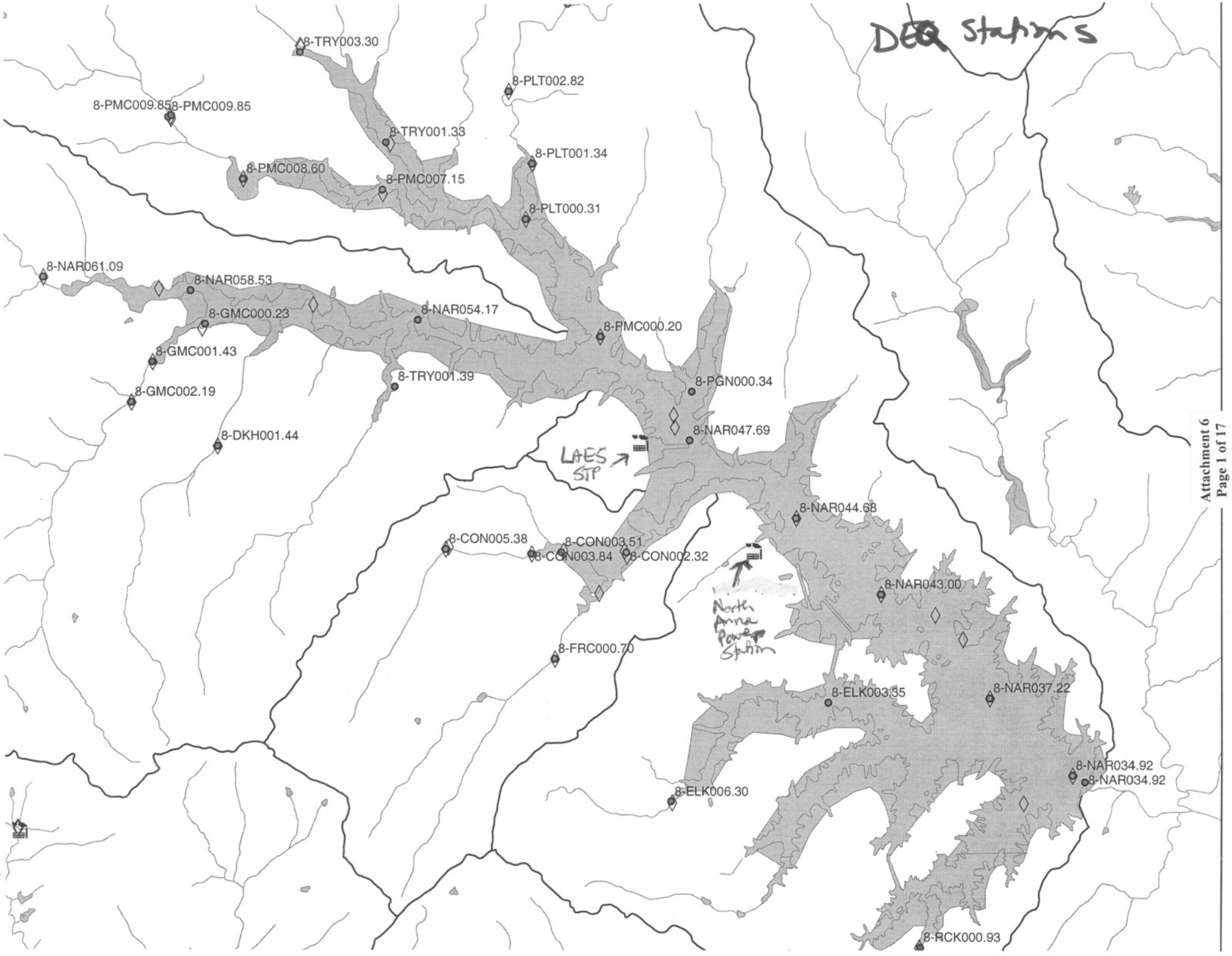
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8-PLT002.82
8-PMC009.85
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8-TRY001.33
8-PLT001.34
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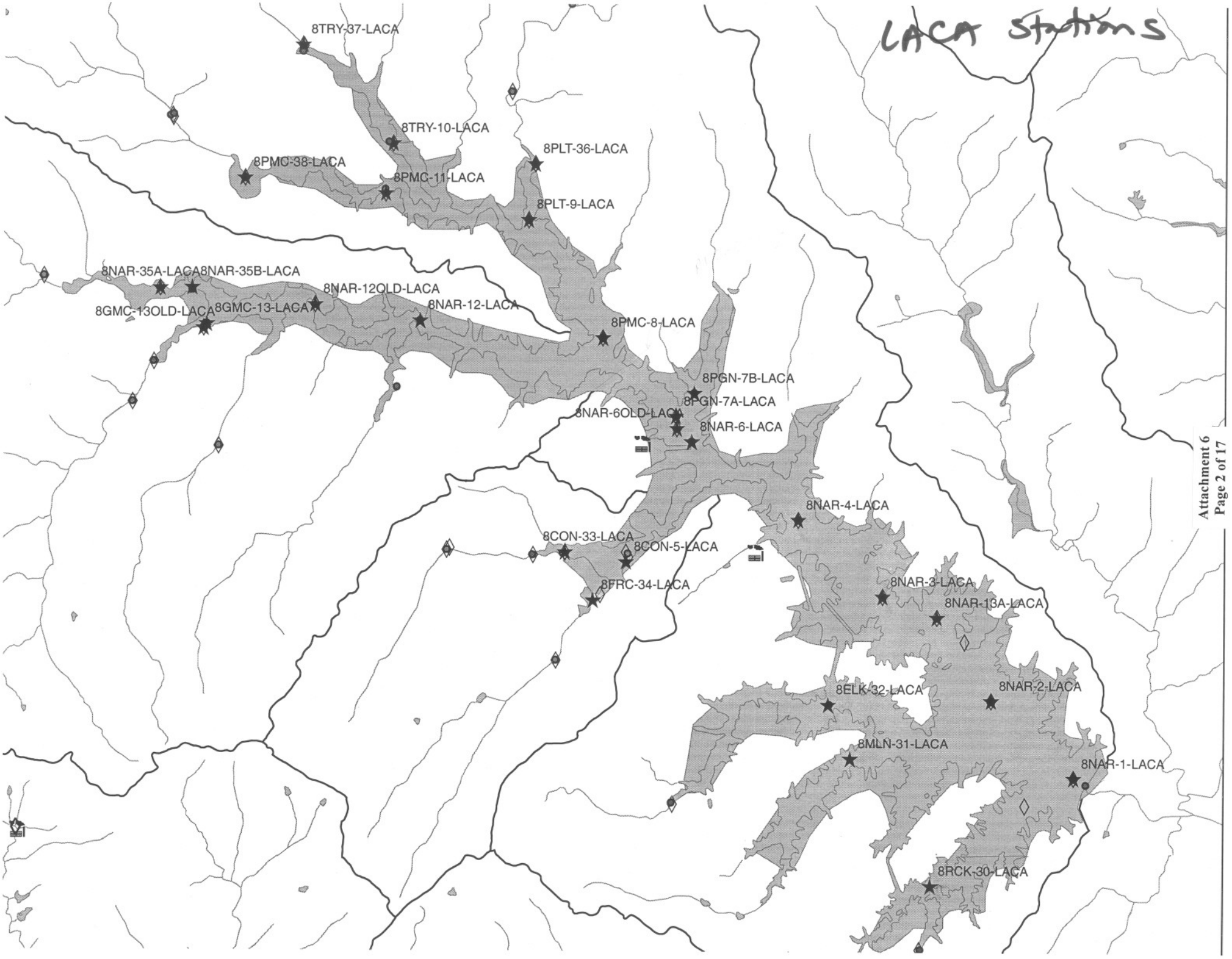
8-PMC007.15
8-PLT000.31
8-NAR061.09
8-NAR058.53
8-GMC000.23
8-NAR054.17
8-PMC000.20
8-GMC001.43
8-TRY001.39
8-PGN000.34
8-GMC002.19
8-NAR047.69
8-DKH001.44
LAES STP
8-NAR044.68
8-CON005.38
8-CON003.51
8-CON003.84
8-CON002.32
8-NAR043.00
North Anna Power Station
8-FRC000.70
8-ELK003.35
8-NAR037.22
8-NAR034.92
8-NAR034.92
8-ELK006.30
8-RCK000.93


LACA Stations
8TRY-37-LACA
8TRY-10-LACA
8PLT-36-LACA
8PMC-38-LACA
8PMC-11-LACA
8PLT-9-LACA
8NAR-35A-LACA
8NAR-35B-LACA
8NAR-12OLD-LACA
8GMC-13OLD-LACA
8GMC-13-LACA
8NAR-12-LACA
8PMC-8-LACA
8PGN-7B-LACA
8PGN-7A-LACA
8NAR-6OLD-LACA
8NAR-6-LACA
8NAR-4-LACA
8CON-33-LACA
8CON-5-LACA
8FRC-34-LACA
8NAR-3-LACA
8NAR-13A-LACA
8ELK-32-LACA
8NAR-2-LACA
8MLN-31-LACA
8NAR-1-LACA
8RCK-30-LACA

Key to Map

Station ID	Latitude	Longitude	Watershed Code	Description	2001	2002	2003	2004
8CON-33-LACA	38.06389	-77.84917	VAN-F08L	Contrary Creek Upstream	X	X	X	X
8CON-5-LACA	38.06167	-77.83306	VAN-F08L	Contrary Creek Arm of Lake Anna	X	X	X	X
8ELK-32-LACA	38.03167	-77.78028	VAN-F07L	ELKCRK	X	X	X	X
8FRC-34-LACA	38.05389	-77.84194	VAN-F08L	Freshwater Creek (Upstream Tributary of Contrary Creek)	X	X	X	X
8GMC-13-LACA	38.11194	-77.94222	VAN-F06L	Gold Mine Creek off of Thalia Shores		X	X	X
8GMC-13OLD-LACA	38.11111	-77.94306	VAN-F06L	Gold Mine Creek arm of Lake Anna				
8MLN-31-LACA	38.02056	-77.77472	VAN-F07L	MILLPND	X	X	X	X
8NAR-12-LACA	38.11194	-77.88639	VAN-F06L	North Anna River arm of Lake Anna	X	X	X	X
8NAR-12OLD-LACA	38.11556	-77.91389	VAN-F06L	North Anna River arm of Lake Anna				
8NAR-13A-LACA	38.04917	-77.75139	VAN-F07L	Main Lake	X	X		
8NAR-1-LACA	38.01583	-77.71611	VAN-F07L	Main lake - 100 yds from dam	X	X	X	X
8NAR-2-LACA	38.03194	-77.73750	VAN-F07L	Main Lake near River Bend Island RVRBND	X	X	X	X
8NAR-35A-LACA	38.11944	-77.95417	VAN-F06L	North Anna upstream	X	X	X	X
8NAR-35B-LACA	38.11944	-77.94583	VAN-F06L	North Anna upstream	X	X	X	X
8NAR-3-LACA	38.05361	-77.76556	VAN-F07L	Main Lake near Smith's Point		X	X	X
8NAR-4-LACA	38.06972	-77.78750	VAN-F07L	Main Lake N. of Power Plant BOGGSPT	X	X	X	X
8NAR-6-LACA	38.08611	-77.81528	VAN-F07L	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	X	X	X	X
8NAR-6OLD-LACA	38.08889	-77.81917	VAN-F07L	Lake Anna North of Rt. 208 Bridge BLOUNTWTF				
8PGN-7A-LACA	38.09139	-77.81944	VAN-F07L	Pigeon Run Arm of Lake Anna Across from State Park	X	X	X	X
8PGN-7B-LACA	38.09611	-77.81444	VAN-F07L	Pigeon Run arm of Lake Anna across from State Park	X	X	X	X
8PLT-36-LACA	38.14361	-77.85556	VAN-F07L	Plentiful Creek upstream	X	X	X	X
8PLT-9-LACA	38.13222	-77.85750	VAN-F07L	Plentiful Creek arm of Lake Anna	X	X	X	X
8PMC-11-LACA	38.13806	-77.89500	VAN-F07L	Pamunkey Creek arm of Lake Anna	X	X	X	X
8PMC-38-LACA	38.14167	-77.93167	VAN-F07L	Pamunkey Creek upstream	X	X	X	X
8PMC-8-LACA	38.10778	-77.83833	VAN-F07L	Pamunkey Creek arm of Lake Anna north of the splits	X	X	X	X
8RCK-30-LACA	37.99417	-77.75417	VAN-F07L	ROCKCRK	X	X	X	X
8TRY-10-LACA	38.14833	-77.89278	VAN-F07L	Terry's Run arm of Lake Anna	X	X	X	X
8TRY-37-LACA	38.16889	-77.91611	VAN-F07L	Terry's Run upstream	X	X	X	X

LACA Data Analyzed

Station Number	Major River Basin	Stream Name	Latitude	Longitude	# WATER TEMP (measurements taken at different depths counted as individual observations)	# WATER TEMP Violations (>32 C)
1	York	Main lake - 100 yds from dam	38.01583	-77.71611	5	0
2	York	Main Lake near River Bend Island RVRBND	38.03194	-77.7375	13	0
3	York	Main Lake near Smith's Point	38.05361	-77.76556	5	0
4	York	Main Lake N. of Power Plant BOGGSPT	38.06972	-77.7875	8	0
5	York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	13	0
6 old	York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	7	0
6	York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08611	-77.81528	5	0
7	York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	0
7	York	Pigeon Run arm of Lake Anna across from State Park	38.09611	-77.81444	5	0
8	York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	12	0
9	York	Plentiful Creek arm of Lake Anna	38.13222	-77.8575	12	0
10	York	Terry's Run arm of Lake Anna	38.14833	-77.89278	13	0
11	York	Pamunkey Creek arm of Lake Anna	38.13806	-77.895	12	0
12 old	York	North Anna River arm of Lake Anna	38.11556	-77.91389	8	0
12	York	North Anna River arm of Lake Anna	38.11194	-77.88639	6	0
13 old	York	Gold Mine Creek arm of Lake Anna	38.11111	-77.94306	3	0
13	York	Gold Mine Creek off of Thalia Shores	38.11194	-77.94222	5	0
30	York	ROCKCRK	37.99417	-77.75417	12	4
31	York	MILLPND	38.02056	-77.77472	12	3
32	York	ELKCRK	38.03167	-77.78028	12	2
33	York	Contrary Creek upstream	38.06389	-77.84917	9	0
34	York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	10	0
35A	York	North Anna upstream	38.11944	-77.95417	7	0
35B	York	North Anna upstream	38.11944	-77.94583	1	0
36	York	Plentiful Creek upstream	38.14361	-77.85556	12	0
37	York	Terry's Run upstream	38.16889	-77.91611	6	0
38	York	Pamunkey Creek upstream	38.14167	-77.93167	5	0
13A	York	Main Lake	38.04917	-77.75139	0	

min Water Temp	Max Water Temp	# DO Observations (measurements taken at different depths counted as individual observations)	# DO Violations (<5.0 mg/L)	Min DO	Max DO	# pH Observations (measurements taken at different depths counted as individual observations)	# pH Violations (<6.0, >9.0 SU)	Min pH	Max pH
17	30.5	8	0	5.7	9.5	7	0	6.5	7.6
12	31	14	0	5.25	9.85	13	0	6.5	7.5
16	28	6	0	7.5	8.05	5	0	6.5	7
14	29.1	10	0	5.7	10.6	8	0	6	7.5
9	29.78	15	0	7.29	11.5	14	0	6.3	7.63
14	28.5	7	0	6.6	9.75	7	0	6.8	7.5
16	30.04	7	0	7.7	10	6	0	6.99	7.4
8	29	6	0	7.5	10.75	7	0	6.6	7.2
17	30.04	7	0	7.67	9.9	6	0	6.98	7.5
9	29	13	0	7.6	11.13	13	0	7	7.52
9	29.5	13	0	7.05	11.61	13	0	7	8.4
10	28.5	15	0	7.1	11.95	14	0	7	8.6
9.5	28.75	13	0	6.45	13.94	13	1	7	9.14
8.5	30	8	0	5.7	11.6	9	0	7	7.5
17	30	8	0	6.2	10.7	7	0	6.5	7.8
26	29	3	2	4.35	8	3	0	7.4	8
15	29.52	5	0	7.8	10.9	6	0	6.4	8.61
14	34	13	0	6	23.5	12	0	7	7
14	36	13	1	4.5	9.3	11	0	7	7
13.5	34.5	13	0	6.4	10.2	12	0	7	7
16.3	29.75	9	0	5.5	9.8	10	2	4.8	7
11	29	11	0	6.5	10	11	0	6	7
9.75	28.5	7	3	3.75	8.3	7	0	6.5	8
17	17	1	0	9.4	9.4	1	0	7	7
9	29	11	0	6.1	10	11	0	6.5	7
14.5	27.5	5	0	8	9.6	6	0	6.8	7
14	27	6	0	5.6	10.75	6	0	6.5	8
		3	0	7.4	10.5	3	0	6	7

# Total Phos Observations	# TP Violations (lake or stream screening value used) (>0.1 mg/L)	Min TP (mg/l)	Max TP (mg/l)	# Fecal Coliform Observations	# Fecal Coliform Violations (>400)	Min Fecal Coliforms (MPN/100mL)	MaxFecal Coliforms (MPN/100mL)
6	0	0.01	0.01	2	0	1	100
13	0	0.01	0.023	10	0	1	100
5	0	0.01	0.03	2	0	1	4
9	2	0.01	0.188	5	0	1	100
13	0	0.01	0.032	8	0	2	23
6	0	0.01	0.039	7	0	2	7
5	0	0.01	0.03	1	0	70	70
7	0	0.01	0.06	7	0	2	50
5	0	0.01	0.02	1	0	10	10
13	0	0.01	0.081	9	0	1	9
13	0	0.01	0.053	9	0	1	4
14	1	0.01	0.153	9	0	2	9
12	2	0.01	0.6	8	0	8	240
9	0	0.013	0.083	8	0	2	110
7	0	0.02	0.07	2	0	1	10
3	3	0.13	0.274	3	0	2	7
5	1	0.02	0.13	1	0	10	10
13	0	0.01	0.02	9	0	1	23
14	0	0.01	0.097	8	0		23
14	1	0.01	0.144	8	0	2	50
9	0	0.01	0.069	6	0	1	110
11	0	0.01	0.092	7	0	2	23
7	7	0.116	0.362	7	1	2	1600
1	0	0.03	0.03	1	0	1	1
12	1	0.02	0.109	8	1	2	500
6	1	0.03	0.162	2	0	17	150
6	2	0.03	0.125	2	0	43	49
4	0	0.016	0.069	0	0	0	0

# E. coli Observations	# E. Coli Violations (>235 CFU per 100 ml)	Min E. coli (CFU/100 ml)	Max E. coli (CFU/100 ml)	
4	0	25	25	
4	0	25	25	
4	0	25	25	
4	0	25	125	
4	0	25	60	
0	0	0	0	
4	0	10	25	
0	0	0	0	
4	0	20	25	
4	0	25	25	
4	0	25	75	
5	0	25	150	
4	1	25	875	
0	0	0	0	
5	2	25	300	
0	0	0	0	
4	1	25	800	
4	0	25	25	
4	0	25	25	
4	0	25	25	
4	0	25	175	
4	0	25	125	
0	0	0	0	
0	0	0	0	
4	1	25	1775	
4	1	25	250	
4	1	25	400	
0	0	0	0	

LACA / DEQ Data

LAKE ANNA CIVIC ASSOCIATION WATER QUALITY MONITORING PROJECT REPORT Master Data File 2001-2004

Major River Basin	Stream Name	Latitude	Longitude	Station Number	DEQ Station ID	MONITOR DATE	DEPTH OF SITE (m)	SECCHI DEPTH (m)	AIR TEMP (C)	WATER TEMP 0.3m (C)
York	Main lake - 100 yds from dam	38.01583	-77.71611	1	8NAR-1-LACA	8/22/2001	4.0	2.75	22	
York	8-NAR034.92 (DEQ) Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	4/23/2002				
York	8-NAR034.92 (DEQ) Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	6/26/2002				
York	8-NAR034.92 (DEQ) Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	8/21/2002				
York	8-NAR034.92 (DEQ) Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	10/16/2002				
York	8-NAR034.92 Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	4/28/2003	19.5	2.75	15	
York	8-NAR034.92 Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	6/16/2003	21.9	2.1	22.5	
York	8-NAR034.92 Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	8/19/2003	22.5	2.5	25	
York	8-NAR034.92 Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	10/20/2003	22.5	2.1	11.5	21
York	Main Lake near the dam	38.01583	-77.71611	1	8-NAR034.92	4/20/2004	23.7	3	23.5	17.5
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	3/15/2001	21.0	3	11	
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	5/30/2001	21.3	2.25	18	
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	8/22/2001	21.3	3	27	
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	12/5/2001	18.29	3.1	12	
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	4/23/2002	21.336	2.75	7.5	
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	6/26/2002	17.7	2.25	27	
York	8-NAR037.22 Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	6/26/2002				
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	8/21/2002	19.2024	1.85	25	
York	8-NAR037.22 Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	8/21/2002				
York	Main lake south of River Bend Island	38.03194	-77.73750	2	8NAR-2-LACA	10/16/2002	18.8976	1.8	15	
York	8-NAR037.22 Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	4/28/2003	17.5	2.85	17	
York	8-NAR037.22 Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	6/16/2003	13.3	2.1	24.5	
York	8-NAR037.22 Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	8/19/2003	17.6	2.4	25	
York	8-NAR037.22 Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	10/20/2003	19	2.6		22
York	Main Lake near River Bend Island RVRBND	38.03194	-77.73750	2	8-NAR037.22	4/20/2004	26	2.8	22.5	16
York	8-NAR043.00 (DEQ) Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	4/23/2002				
York	8-NAR043.00 (DEQ) Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	6/26/2002				
York	8-NAR043.00 (DEQ) Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	8/21/2002				
York	8-NAR043.00 (DEQ) Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	10/16/2002				
York	8-NAR043.00 Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	4/28/2003	15.7	2.25	15	
York	8-NAR043.00 Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	6/16/2003	16.5	2.35	24	
York	8-NAR043.00 Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	8/19/2003	12	2.9	27	
York	8-NAR043.00 Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	10/20/2003	16.2	2.7	12	20
York	Main Lake near Smith's Point	38.05361	-77.76556	3	8-NAR043.00	4/20/2004	53	2.85	26	16
York	Main lake north of power plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	3/15/2001	14.9	3		
York	Main lake north of power plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	5/30/2001	14.3	3	18	
York	Main lake north of power plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	8/22/2001	12.8	3.5	30	
York	Main lake north of power plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	12/5/2001	12.80	4	15	
York	8-NAR044.68 (DEQ) Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	4/23/2002				
York	8-NAR044.68 (DEQ) Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	6/26/2002				
York	8-NAR044.68 (DEQ) Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	8/21/2002				
York	8-NAR044.68 (DEQ)Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	10/16/2002				
York	8-NAR044.68 (DEQ) Main Lake N. of Power Plant BOGGSPT	38.07028	-77.76556	4	8-NAR044.68	10/16/2002				
York	8-NAR044.68 Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	4/28/2003	3.96	2	17	
York	8-NAR044.68 Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	6/16/2003	4.3	2	23	
York	8-NAR044.68 Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	8/19/2003	4.3	1.85	25	
York	8-NAR044.68 Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	10/20/2003	5.5	2	11	18.8
York	Main Lake N. of Power Plant BOGGSPT	38.06972	-77.78750	4	8-NAR044.68	4/20/2004	13.7	2.5	22	17
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	3/15/2001	6.0	1.75	8.5	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	5/30/2001	6.2	1.5	22	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	8/22/2001	6.1	1.5	23	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	12/5/2001	6.55	1.75	13	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	4/23/2002	5.334	1	7	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	6/26/2002	5.5	1.65	27.75	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	8/21/2002	4.2	1.5	25	
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	10/16/2002	17.2	1.3	14	
York	Contrary Creek arm of Lake Anna (DEQ)	38.06167	-77.83306	5	8-CON002.32	4/28/2003				
York	Contrary Creek arm of Lake Anna (DEQ)	38.06167	-77.83306	5	8-CON002.32	6/16/2003		1.2		
York	Contrary Creek arm of Lake Anna (DEQ)	38.06167	-77.83306	5	8-CON002.32	8/19/2003				
York	Contrary Creek arm of Lake Anna (DEQ)	38.06167	-77.83306	5	8-CON002.32	10/20/2003				18.99

WATER TEMP Secchi depth (C)	DO 0.3m (mg/l)	DO 2.0m (mg/l)	DO Secchi depth (mg/l)	pH 0.3m	pH 2.0m	PHOS 0.3 m Qualifier	PHOS 0.3m (mg/L)	Phos Secchi Depth Qualifier	PHOS Secchi depth (mg/L)	FECOL Qualifier	FECOL 2.0m (MPN/100 ml)	E. coli Qualitifer	E. Coli cfu/100ml	COMMENT	QUALITY CONTROL
			7		7			<	0.01						
														DEQ MONITORED	
			6.6		7.6						100			DEQ MONITORED	
														DEQ MONITORED	
														DEQ MONITORED	
17			8.8		6.5				0.01		1				
25					7				0.01			<	25		
30.5			5.7		7				0.01			<	25		
	7.3	7.3		7			0.01					<	25		
	9.15	9.5		7			0.01					<	25		
12			9.85		7				0.02		8				
22			6.2		7				0.023		4				
29.5			6		6.9				0.011	<	2				
14			8.4		7			<	0.010		50				
18.5			8.7		7.5			<	0.010	<	2				
28			6.2		6.8				0.016	<	2				
											100			DEQ MONITORED	
31			6.5		7			<	0.01	<	2				
														DEQ MONITORED	
22			7.8		7				0.013		4				
17.5			9.1		6.9				0.01	<	1				
24.5					6.5				0.01				25		
29			5.25		6.5				0.01			<	25		
	7.5	7.4		7			0.01						25		
	8.5	8.5		7			0.01					<	25		
														DEQ MONITORED	
														DEQ MONITORED	
														DEQ MONITORED	
											4			DEQ MONITORED	
16			8.05		7				0.01	<	1				
25					7				0.01			<	25		
28			7.5		6.5				0.01			<	25		
	7.7	7.7		7			0.01					<	25		
	7.6	7.7		7			0.03					<	25		
			10.6		7				0.188	<	2			TEMP NOT COLLECTED	
21			8.5						0.032		4				
27.3			6.85		7.5				0.016						
14			9.5		7				0.141		4				
														DEQ MONITORED	
											100			DEQ MONITORED	
														DEQ MONITORED	
														DEQ MONITORED	
														DEQ MONITORED	
16			9.7		7				0.01		1				
25.5					7				0.01				125		
29.1			5.7		7				0.01			<	25		
	7.2	7.5		6			0.02					<	25		
	9.3	9.2		7			0.02					<	25		
9			11.5		6.5				0.027	<	2				
20			9.5		7			<	0.01		8				
28			11.5		7				0.03	<	2				
12.75			9.2		6.5			<	0.010		23				
18.5			8.3		6.3			<	0.010						
29.25			7.9		7				0.02	<	2				
29			7.85		7			<	0.01		4				
18			8.8		7				0.032		4				
17.5			10.2		7.1				0.01		10			DEQ MONITORED	
26			8.2		7.3				0.01				60	DEQ MONITORED	E.coli<25 on 7/1/03
29.78			7.29		7.55				0.02				25	DEQ MONITORED	
	8.73	8.3		7.63	7.13		0.01						25	DEQ MONITORED	

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Major River Basin	Stream Name	Latitude	Longitude	Station Number	DEQ Station ID	MONITOR DATE	DEPTH OF SITE (m)	SECCHI DEPTH (m)	AIR TEMP (C)	WATER TEMP 0.3m (C)
York	Contrary Creek arm of Lake Anna	38.06167	-77.83306	5	8CON-5-LACA	4/20/2004	6	1	24	17
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	5/30/2001	12.2	3	26	
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	8/22/2001	11.9	2.5	27.5	
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	12/5/2001	11.89	2.25	15	
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	4/23/2002	12.192	2.5	9	
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	6/26/2002	14.3256	2.5	29.5	
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	8/21/2002	9.144	1.8	26.5	
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08889	-77.81917	6	8NAR-6-LACA	10/16/2002	13.7	1.1	13.5	
York	BLOUNTWTF (DEQ)	38.08611	-77.81528	6	8-NAR047.69	4/28/2003		1.4		
York	BLOUNTWTF (DEQ)	38.08611	-77.81528	6	8-NAR047.69	6/16/2003				
York	BLOUNTWTF (DEQ)	38.08611	-77.81528	6	8-NAR047.69	8/19/2003				
York	BLOUNTWTF (DEQ)	38.08611	-77.81528	6	8-NAR047.69	10/20/2003				19.76
York	Lake Anna North of Rt. 208 Bridge BLOUNTWTF	38.08611	-77.81528	6	8NAR-6-LACA	4/20/2004	8.5	1.7	24	16
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	3/15/2001	4.8	2.25	13	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	5/30/2001	4.3	2	16.5	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	8/22/2001	7.9	1.8	22.8	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	12/5/2001	7.00	3.5	16.2	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	4/23/2002	10.3632	4	10.9	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	6/26/2002	10.2	2.4	28.75	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	8/21/2002	8.3	1.7	26	
York	Pigeon Run arm of Lake Anna across from State Park	38.09139	-77.81944	7	8PGN-7-LACA	10/16/2002				
York	Pigeon Run arm of Lake Anna across from State Park (DEQ)	38.09611	-77.81444	7	7-PGN000.34	4/28/2003		1.3		
York	Pigeon Run arm of Lake Anna across from State Park (DEQ)	38.09611	-77.81444	7	7-PGN000.34	6/16/2003				
York	Pigeon Run arm of Lake Anna across from State Park (DEQ)	38.09611	-77.81444	7	7-PGN000.34	8/19/2003				
York	Pigeon Run arm of Lake Anna across from State Park (DEQ)	38.09611	-77.81444	7	7-PGN000.34	10/20/2003				19.43
York	Pigeon Run arm of Lake Anna across from State Park	38.09611	-77.81444	7	8PGN-7-LACA	4/20/2004	8.3	1.7	22.5	17
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	3/15/2001	10.5	1.5	15	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	5/30/2001	11.0	5.5	18	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	8/22/2001	11.0	1.75	24.5	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	12/5/2001	13.72	2.3	14	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	4/23/2002	10.6	2.2	9.5	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	6/26/2002	10.4	2.55	32.5	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	8/21/2002	9.5	1.55	25.5	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	10/16/2002	10.1	1.1	13.5	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	4/28/2003	11.6	1.35	17	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	6/16/2003	11.0	1.9	18	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	8/19/2003	11	2.2	24	
York	Pamunkey Creek arm of Lake Anna north of the splits	38.10778	-77.83833	8	8PMC-8-LACA	10/20/2003	10.7	1	12	18
York	Pamunkey Creek arm of Lake Anna north of the splits (DEQ)	38.10778	-77.83833	8	8-PMC000.20	4/19/2004		1.1		16
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	3/15/2001	7.0	2	8	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	5/30/2001	6.5	2	16	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	8/22/2001	7.5	1.25	19	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	12/5/2001	6.40	1.75	10	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	4/23/2002	8	2	9	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	6/26/2002	7	2.6	28.5	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	8/21/2002	not reported	1.5	30	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	10/16/2002	6	1	16	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	4/28/2003	7.3	1.5	20	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	6/16/2003	11.0	1.8	27	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	8/19/2003	7.5	1.95	24	
York	Plentiful Creek arm of Lake Anna	38.13222	-77.85750	9	8PLT-9-LACA	10/20/2003	7.5	1.05	9.5	17
York	Plentiful Creek arm of Lake Anna (DEQ)	38.13222	-77.85750	9	8-PLT000.31	4/19/2004		0.9		17.9
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	3/15/2001	4.1	1	7	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	5/30/2001	4.3	1	17	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	8/22/2001	5.5	1.1	24	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	12/5/2001	3.60	1	11.6	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	4/23/2002	4.2672	0.7	8.7	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	6/26/2002	3.3	1.3	27.6	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	8/21/2002	3.8	0.4	25.2	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	10/16/2002	3.7	0.7	10.5	

WATER TEMP Secchi depth (C)	DO 0.3m (mg/l)	DO 2.0m (mg/l)	DO Secchi depth (mg/l)	pH 0.3m	pH 2.0m	PHOS 0.3 m Qualifier	PHOS 0.3m (mg/L)	Phos Secchi Depth Qualifier	PHOS Secchi depth (mg/L)	FECOL Qualifier	FECOL 2.0m (MPN/100 ml)	E. coli Qualitifer	E. Coli cfu/100ml	COMMENT	QUALITY CONTROL
	9.1	9.4		6.5			0.01					<	25		
28			8.8		7				0.016	<	2				
20			7.75		7					<	2			Lost TP bottle	
14			9.75		7.5			<	0.010		4				
17			8.5		7			<	0.010		7				
27.75			7.75		7.2				0.027	<	2				
28.5			7.9		6.8			<	0.01	<	2				
19			6.6		7				0.039	<	2				
17.2			9.6		7.4				0.03		70			DEQ MONITORED	
26			8.1		7.2				0.01				10	DEQ MONITORED	
30.04			7.78		7.24				0.01				25	DEQ MONITORED	
	8.25	7.7		7.1	6.99		0.01						25	DEQ MONITORED	
	9.7	10		7			0.01					<	25		
8			7.5		6.8				0.06	<	2				
20.5			9.1		6.6				0.027		4				
28.1					7				0.027		4			missed step in DO procedure	
13.4			10.75		7				0.011	<	2				
16.4			8.4		7			<	0.010		50				
28.75			7.95		7			<	0.01		4				
29			7.5		7.2				0.011		4				
														Not Monitored	
18			9.8		7.5				0.02		10			DEQ MONITORED	
26			7.9		7.2				0.02				20	DEQ MONITORED	
30.04			7.8		7.4				0.01				25	DEQ MONITORED	
	8.3	7.67		7.07	6.98		0.01						25	DEQ MONITORED	
	9.6	9.9		7			0.01						25		
9			9.65		7			<	0.01	<	2				
20			9.5		7			<	0.01	<	2				
28			7.9		7			<	0.01	<	2				
14			9.75		7			<	0.010		4				
18.5			9.05		7			<	0.010		9				
28.75			8		7				0.078		4				
29			7.6		7			<	0.01	<	2				Blank TP <.01
					7				0.081		4				TP <.01 Blank
17			8.15		7				0.03		1				
25					7				0.01				25		
28.5			7.6		7				0.02			<	25		
	7.6	7.6		7			0.02					<	25		
	11.1	11.13		7.52			0.01						25	DEQ MONITORED	
9			11.5		7				0.048	<	2				
22			9.75		7			<	0.01		4				
28			7.75		7				0.039		4				
14			10		7			<	0.010		4				
19			9.5		7				0.018	<	2				
29			8		7				0.018	<	2				
25.8			7.8		7.5			<	0.01	<	2				Blank FC <2
					7				0.053	<	2				
16			8.5		7				0.05		1				
29.5					7				0.02				75		E.coli<25 on 7/1/03
29			7.05		7				0.01			<	25		
	7.7	7.5		7			0.02					<	25		
	11.57	11.61		8.4			0.01						25	DEQ MONITORED	
10			11.9		7				0.057		4				
21			9.05		7				0.05		8				
27.65			7.1		7				0.03	<	2				
12.3			10.25		7			<	0.010		4				
18.7			7.6		7				0.05		9				
28.4			8.6		8				0.048		4				
28.4			7.2		8				0.095		4			Low water; deeper reading NA	
					7				0.153		4				

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Major River Basin	Stream Name	Latitude	Longitude	Station Number	DEQ Station ID	MONITOR DATE	DEPTH OF SITE (m)	SECCHI DEPTH (m)	AIR TEMP (C)	WATER TEMP 0.3m (C)
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	4/28/2003	5.2	1	16.9	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	6/16/2003	5.1	0.8	22.4	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	8/19/2003	5.2	0.8	23	
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	10/20/2003	5.2	0.8	9.5	16.3
York	Terry's Run arm of Lake Anna	38.14833	-77.89278	10	8TRY-10-LACA	4/19/2004		0.6		18.63
York	Terry's Run arm of Lake Anna (DEQ)	38.14833	-77.89278	10	8-TRY001.39	4/20/2004	5.2	0.75	21	17
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		3/15/2001	4.3	0.9	10	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		5/30/2001	4.4	0.75	18	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		8/22/2001	3.0	0.75	31.5	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		12/5/2001	5.18	1	12	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		4/23/2002	3.7	0.7	8	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		6/26/2002	3.5	1	27.25	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		8/21/2002	3	0.4	25	
York	Pamunkey Creek arm of Lake Anna	38.13806	-77.89500	11		10/16/2002	2.9	0.6	16	
York	Pamunkey Creek arm of Lake Anna	38.13889	-77.89500	11	8-PMC007.15	4/28/2003	5	1.3	17.5	
York	Pamunkey Creek arm of Lake Anna	38.13889	-77.89500	11	8-PMC007.15	6/16/2003	5.5	0.6	21.5	
York	Pamunkey Creek arm of Lake Anna	38.13889	-77.89500	11	8-PMC007.15	8/19/2003	5.5	0.8	26.5	
York	Pamunkey Creek arm of Lake Anna	38.13889	-77.89500	11	8-PMC007.15	10/20/2003	5.1	0.8	9	17
York	Pamunkey Creek arm of Lake Anna (DEQ)	38.13889	-77.89500	11	8-PMC007.15	4/19/2004		0.5		17.54
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	3/15/2001	10.1	1.25	8	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	5/30/2001	6.0	1	18	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	8/22/2001	7.4	1	24	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	12/5/2001	6.55	2.5	13.5	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	4/23/2002	8.5	1	9	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	5/29/2002	7.2	1.1	25	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	6/26/2002	5	1.2	28.5	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	8/21/2002	7.5	0.95	26	
York	North Anna River arm of Lake Anna	38.11556	-77.91389	12	8NAR-12-LACA	10/16/2002	7	1	14.5	
York	North Anna River arm of Lake Anna	38.11194	-77.88639	12	8NAR-12-LACA	4/28/2003	10	0.95	21	
York	North Anna River arm of Lake Anna (DEQ)	38.11194	-77.88639	12	8-NAR054.17	4/28/2003	10	1	19.3	
York	North Anna River arm of Lake Anna	38.11194	-77.88639	12	8NAR-12-LACA	6/16/2003	9.5	0.4	22	
York	North Anna River arm of Lake Anna (DEQ)	38.11194	-77.88639	12	8-NAR054.17	6/16/2003	9.5	0.3		
York	North Anna River arm of Lake Anna	38.11194	-77.88639	12	8NAR-12-LACA	8/19/2003	6.4	1.9	26	
York	North Anna River arm of Lake Anna	38.11194	-77.88639	12	8NAR-12-LACA	10/20/2003	7.6	0.8	10.5	18
York	North Anna River arm of Lake Anna	38.11194	-77.88639	12	8NAR-12-LACA	4/20/2004	7.5	0.9	24	17
York	Gold Mine Creek arm of Lake Anna	38.11111	-77.94306	13	8GMC-13-LACA	5/29/2002	2	1	33	
York	Gold Mine Creek arm of Lake Anna	38.11111	-77.94306	13	8GMC-13-LACA	6/26/2002	1	0.3	28	
York	Gold Mine Creek arm of Lake Anna	38.11111	-77.94306	13	8GMC-13-LACA	8/21/2002	0.6	0.2	23	
York	Gold Mine Creek arm of Lake Anna	38.11111	-77.94306	13	8GMC-13-LACA	10/16/2002				
York	Gold Mine Creek (DEQ)	38.11194	-77.94222	13	8-GMC000.23	4/28/2003		0.7		
York	Gold Mine Creek (DEQ)	38.11194	-77.94222	13	8-GMC000.23	6/16/2003		0.1		
York	Gold Mine Creek (DEQ)	38.11194	-77.94222	13	8-GMC000.23	8/19/2003				
York	Gold Mine Creek (DEQ)	38.11194	-77.94222	13	8-GMC000.23	10/20/2003				19.53
York	Gold Mine Creek off of Thalia Shores	38.11194	-77.94222	13	8GMC-13-LACA	4/20/2004	1.9	0.5	19.5	15
York	ROCKCRK	37.99417	-77.75417	30		3/15/2001	6.2	2.65	10	
York	ROCKCRK	37.99417	-77.75417	30		5/30/2001	9.1	2	26	
York	ROCKCRK	37.99417	-77.75417	30		8/22/2001	7.9	2.8	26.5	
York	ROCKCRK	37.99417	-77.75417	30		12/5/2001				
York	ROCKCRK	37.99417	-77.75417	30		1/22/2002				
York	ROCKCRK	37.99417	-77.75417	30		4/23/2002	8.8392	2.75	10.9	
York	ROCKCRK	37.99417	-77.75417	30		6/26/2002	7.9248	2	30.5	
York	ROCKCRK	37.99417	-77.75417	30		8/21/2002	7	1.85	29	
York	ROCKCRK	37.99417	-77.75417	30		10/16/2002	22	2	15	
York	ROCKCRK	37.99417	-77.75417	30		4/28/2003		2	19	
York	ROCKCRK	37.99417	-77.75417	30		6/16/2003	10.0	2.2	24	
York	ROCKCRK	37.99417	-77.75417	30		8/19/2003	8	2.25	27	
York	ROCKCRK	37.99417	-77.75417	30		10/20/2003	9	2	14.5	25
York	ROCKCRK	37.99417	-77.75417	30		4/20/2004	8.8	2.2	23	22.2
York	MILLPND	38.02056	-77.77472	31		3/15/2001	9.1	2.5	13	
York	MILLPND	38.02056	-77.77472	31		5/30/2001	10.4	2.5	20	

WATER TEMP Secchi depth (C)	DO 0.3m (mg/l)	DO 2.0m (mg/l)	DO Secchi depth (mg/l)	pH 0.3m	pH 2.0m	PHOS 0.3 m Qualifier	PHOS 0.3m (mg/L)	Phos Secchi Depth Qualifier	PHOS Secchi depth (mg/L)	FECOL Qualifier	FECOL 2.0m (MPN/100 ml)	E. coli Qualitifer	E. Coli cfu/100ml	COMMENT	QUALITY CONTROL
16.25			9		7				0.03		3				
26					7				0.04				150		E.coli<25 on 7/1/03
28.5			9.8		7				0.02			<	25		
	9	8.5		7			0.02					<	25		
	11.47	11.95		8.6			0.01						25		
	9.3	10.25		7.5			0.06					<	25	DEQ MONITORED	
9.5			12.4		7				0.083		8				
22			11		8				0.062		8				
28			8.4		7.5									not enough time for PT and FC	
12			10		7				0.048		23				
17			6.45		7				0.6		240				
28.75			9.5		8.5				0.034		50				
28.5			7.5		7.5				0.262		110			Low water; deeper reading NA	Blank FC <2
					7				0.046		140				
17			9.4		7				0.04		13				
25.5					7				0.07				875		E.coli<25 on 7/1/03
27.5			7		7				0.03			<	25		
	8.1	8		7			0.03					<	25		
	13.1	13.94		9.14			0.01						25	DEQ MONITORED	
8.5			11.6		7				0.041	<	2				
22			9		7.4				0.053		50				
27			5.7		7				0.037	<	2				
12			8		7				0.013		4				
					7				0.074					equipment lost during monitor	
25			8.1		7				0.048	<	2				
30			7.3		7.5				0.027	<	2				
29.5			7.9		7.5				0.083	<	2				
19.5			7.7		7				0.046		110				pH 7.0 Blank; TP .076 Blank
17			9		7				0.03	<	2				
			10.7		7.7				0.03		10			DEQ MONITORED	
25					6.5				0.06				300		
25			6.2		7.8				0.07				250	DEQ MONITORED	E.coli<25 on 7/1/03
30			7.6		7				0.02			<	25		
	8.3	8.2		7			0.02					<	25		
	10.1	10.25		7.5			0.05						25		
26			8		8				0.13		7				
29			4.8		7.5				0.258		7				
26.5			4.35		7.4				0.274	<	2			Low water; deeper reading NA	
														Too Shallow	
20.3			10.9		7.6				0.04		10			DEQ MONITORED	
23					6.4				0.13			>	800	DEQ MONITORED	E.coli<25 on 7/1/03
29.52			9.41		8.61				0.03				25	DEQ MONITORED	
	8.39	8.01		7.05	7		0.02						25	DEQ MONITORED	
	7.8			7			0.07					<	25		
14			23.5		7				0.013		4				
27			6.7		7				0.013		4				
34			6.1		7			<	0.01	<	2				
														NA-too shallow	
								<	0.010	<	2			Special monitor	
27.2			7.4		7			<	0.010	<	2				
33.5			6.4		7			<	0.01	<	2				
33			7.1		7				0.016		4				
23			7.25		7				0.02		23				
21.5			8		7				0.01	<	1				
27.5					7				0.01				25		
34			6		7				0.01			<	25		
	7	6.9		7			0.01					<	25		
	8.55	8.45		7			0.01					<	25		
14			4.5		7				0.013		4				
26			7.9		7				0.044		23				

LAKE ANNA CIVIC ASSOCIATION WATER QUALITY MONITORING PROJECT REPORT Master Data File 2001-2004

Major River Basin	Stream Name	Latitude	Longitude	Station Number	DEQ Station ID	MONITOR DATE	DEPTH OF SITE (m)	SECCHI DEPTH (m)	AIR TEMP (C)	WATER TEMP 0.3m (C)
York	MILLPND	38.02056	-77.77472	31		8/22/2001	10.1	3	23.8	
York	MILLPND	38.02056	-77.77472	31		12/5/2001				
York	MILLPND	38.02056	-77.77472	31		1/22/2002				
York	MILLPND	38.02056	-77.77472	31		4/23/2002	10.0584	2.5	8.5	
York	MILLPND	38.02056	-77.77472	31		6/26/2002	8.8392	2.85	29.3	
York	MILLPND	38.02056	-77.77472	31		8/21/2002	8.86968	1.9	24	
York	MILLPND	38.02056	-77.77472	31		10/16/2002	6.5	1.75	14	
York	MILLPND	38.02056	-77.77472	31		4/28/2003	6.2	2	16.5	
York	MILLPND	38.02056	-77.77472	31		6/16/2003	12.0	2.2	24.5	
York	MILLPND	38.02056	-77.77472	31		8/19/2003	9.5	2.3	26	
York	MILLPND	38.02056	-77.77472	31		10/20/2003	11	2.05	13	24
York	MILLPND	38.02056	-77.77472	31		4/20/2004	27	2.4	25	23
York	ELKCRK	38.03167	-77.78028	32		3/15/2001	7.0	2.5	10.5	
York	ELKCRK	38.03167	-77.78028	32		5/30/2001	12.0	2.6	19	
York	ELKCRK	38.03167	-77.78028	32		8/22/2001	9.1	2.75	26.25	
York	ELKCRK	38.03167	-77.78028	32		12/5/2001				
York	ELKCRK	38.03167	-77.78028	32		1/22/2002				
York	ELKCRK	38.03167	-77.78028	32		4/23/2002	10.668	2.5	10.5	
York	ELKCRK	38.03167	-77.78028	32		6/26/2002	4.5	2.25	33	
York	ELKCRK	38.03167	-77.78028	32		8/21/2002	10	2.25	25	
York	ELKCRK	38.03167	-77.78028	32		10/16/2002	7.25	1.8	14.5	
York	ELKCRK	38.03167	-77.78028	32		4/28/2003	10	2.05	24	
York	ELKCRK	38.03167	-77.78028	32		6/16/2003	9.5	1.7	24	
York	ELKCRK	38.03167	-77.78028	32		8/19/2003	10.5	2.1	28	
York	ELKCRK	38.03167	-77.78028	32		10/20/2003	9.5	2.75	15	24.5
York	ELKCRK	38.03167	-77.78028	32		4/20/2004	7.5	1.85	22	21.5
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	5/30/2001	0.6	0.5	18	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	8/22/2001	0.5	0.5	20	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	12/5/2001				
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	4/23/2002	0.6096	0.55	9	
York	Contrary Creek upstream	38.06389	-77.84861	33	8CON-33-LACA	6/26/2002	1	0.8	27	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	8/21/2002	1.35	0.8	26	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	10/16/2002				
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	4/28/2003	1.73	1.73	18.5	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	6/16/2003	1.2	0.7	25	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	8/19/2003	1.7	1.6	27	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	10/20/2003	1.2	1.2	11	
York	Contrary Creek upstream	38.06389	-77.84917	33	8CON-33-LACA	4/20/2004	18	0.9	22.5	17
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	5/30/2001	1.7	0.5	28	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	8/22/2001	1.8	1	23	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	12/5/2001	1.22	1.3	11	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	4/23/2002	1.75	1.75	9	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	6/26/2002	1.05	0.8	25.5	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	8/21/2002	1	0.7	25	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	10/16/2002				
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	4/28/2003	2.9	1.35	16	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	6/16/2003	2.4	0.8	23	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	8/19/2003	2.4	0.9	26	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	10/20/2003	2.3	1.2	8	
York	Freshwater Creek (upstream tributary of Contrary Creek)	38.05389	-77.84194	34	8FRC-34-LACA	4/20/2004	2.5	0.9	23	16
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	5/30/2001	1.5	0.5	20	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	8/22/2001	0.5	0.4	25	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	12/5/2001	0.50	0.25	11	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	4/23/2002	0.8	0.2	8	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	5/29/2002	1.5	0.7	33	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	6/26/2002	0.75	0.25	29.5	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	8/21/2002	0.9	0.1	25	
York	North Anna upstream	38.11944	-77.95417	35	8NAR-35-LACA	10/16/2002				
York	North Anna upstream	38.11944	-77.94583	35		4/28/2003	1.5	1	20	
York	North Anna upstream	38.11944	-77.94583	35		6/16/2003	1.6	0.2	23	

WATER TEMP Secchi depth (C)	DO 0.3m (mg/l)	DO 2.0m (mg/l)	DO Secchi depth (mg/l)	pH 0.3m	pH 2.0m	PHOS 0.3 m Qualifier	PHOS 0.3m (mg/L)	Phos Secchi Depth Qualifier	PHOS Secchi depth (mg/L)	FECOL Qualifier	FECOL 2.0m (MPN/100 ml)	E. coli Qualitifer	E. Coli cfu/100ml	COMMENT	QUALITY CONTROL
31.8			7.1		7			<	0.01		4				
														NA-too shallow	
						<	0.010		0.041					Special monitor	
24			7.9		7				0.016		9				
33			7.4		7				0.018		4				
33			6.85		7			<	0.01		17				
23			7.6		7				0.097		4				
22			8.1		7				0.01	<	1				
27					7				0.01				25		
36			7.4						0.02			<	25		
	8.1	8.2		7			0.01					<	25		
	9.3	8.1		7			0.02					<	25		
13.5			10.2		7				0.06		17				
25.5			9		7				0.076		23				
31			7		7			<	0.01	<	2				
														NA-too shallow	
						<	0.010	<	0.01					Special monitor	
28.4			7		7				0.144		50				
34.5			6.75		7				0.03		4				
33			7.2		7			<	0.01		4				
22			7.6		7				0.064		7				
22			8.6		7				0.01		3				PT 0.02 Blank
28.5					7				0.01			<	25		
32			6.4		7				0.01			<	25		
	7.7	8.25		7			0.01					<	25		
	7.4	7.7		7			0.02					<	25		
20			6.5		6				0.069		9				
24			5.5		4.8						2				
														NA-too shallow	
16.3			8.2		6			<	0.010		110				
29.75			6.9		6.5				0.062		110				
29			7.2		7			<	0.01		8			Low water; deeper reading NA Too Shallow	Blank FC <2
17			8.6		5			<	0.01	<	1				
26					6				0.01				175		too shallow for 2m
29			7.5		6				0.01			<	25		
	8.6			6			0.01					<	25		
	9.8			6			0.01					<	25		
21			10		6				0.092		23				
27			10		7				0.06	<	2				
11			8.65		6				0.041	<	2.0				
17			7.7		6.5				0.032	<	2				
28.75			6.5		6.5				0.013	<	2				
29			6.9		7			<	0.01		4			Low water; deeper reading NA Too Shallow	
17.5			7.8		6				0.01		3				
25					6				0.01				125		too shallow for 2m
28.5			7.5		7				0.01			<	25		
	8.8			7			0.01					<	25		
	8.9	8.7		6			0.03					<	25		
17			8.3		7				0.171		240				
24			4.85		7				0.2		8				
9.75			7.4		7				0.137		23				
13			6.4		6.5				0.153	>	1600				
26			7.7		8				0.116		8				
28.5			4.6		7				0.19	<	2				
26.5			3.75		7.2				0.362	<	2			Low water; deeper reading NA Too Shallow	
17			9.4		7				0.03		1				
20					6				0.08				150		E.coli<25 on 7/1/03

LAKE ANNA CIVIC ASSOCIATION WATER QUALITY MONITORING PROJECT REPORT Master Data File 2001-2004

Major River Basin	Stream Name	Latitude	Longitude	Station Number	DEQ Station ID	MONITOR DATE	DEPTH OF SITE (m)	SECCHI DEPTH (m)	AIR TEMP (C)	WATER TEMP 0.3m (C)
York	North Anna upstream	38.11944	-77.94583	35		8/19/2003	1.4	0.5	25	
York	North Anna upstream	38.11944	-77.94583	35		10/20/2003	1.4	0.55	8.5	13.5
York	North Anna upstream	38.11944	-77.94583	35		4/20/2004	1.4	0.42	19	16.5
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	5/30/2001	1.5	1	15	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	8/22/2001	1.5	0.75	19	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	12/5/2001	0.68	0.67	12	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	4/23/2002	1	1	8	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	6/26/2002	0.66	bottom	30.5	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	8/21/2002	0.3	0.3	27	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	10/16/2002	1.5	0.6	13.5	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	4/28/2003	1.5	1.15	23	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	6/16/2003	3.2	1.2	28	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	8/19/2003	2	1	26	
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	10/20/2003	3.2	1.1	11.5	17
York	Plentiful Creek upstream	38.14361	-77.85556	36	8PLT-36-LACA	4/20/2004	1.9	0.7	24	17
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	5/30/2001	0.9	bottom	18	
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	8/22/2001				
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	12/5/2001				
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	4/23/2002				
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	6/26/2002				
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	8/21/2002	NA			
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	10/16/2002				
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	4/28/2003	1.2	0.8	22.5	
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	6/16/2003	0.8	0.5	22	
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	8/19/2003	0.7	0.5	24.5	
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	10/20/2003	0.9	0.7	14.8	14.5
York	Terry's Run upstream	38.16889	-77.91611	37	8TRY-37-LACA	4/20/2004	0.8	0.5	23	19
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	5/30/2001	0.3	0.3	16	
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	8/22/2001				
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	12/5/2001				
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	4/23/2002				
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	6/26/2002				
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	8/21/2002	NA			
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	10/16/2002				
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	4/28/2003	1.2	0.6	20	
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	6/16/2003	1.4	0.3	21	
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	8/19/2003	1.3	0.3	24	
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	10/20/2003	1.5	0.6	10	14
York	Pamunkey Creek upstream	38.14167	-77.93167	38	8PMC-38-LACA	4/20/2004	1.1	0.2	21.5	
York	Main Lake	38.04917	-77.75139	13A	8NAR-13A-LACA	3/15/2001	16.2	3.5	9	
York	Main Lake	38.04917	-77.75139	13A	8NAR-13A-LACA	5/30/2001	17.1	2.35	18	
York	Main Lake	38.04917	-77.75139	13A	8NAR-13A-LACA	12/5/2001	16.15	3.5	11.8	
York	Main Lake	38.04917	-77.75139	13A	8NAR-13A-LACA	6/26/2002	1.5	1.5		

WATER TEMP Secchi depth (C)	DO 0.3m (mg/l)	DO 2.0m (mg/l)	DO Secchi depth (mg/l)	pH 0.3m	pH 2.0m	PHOS 0.3 m Qualifier	PHOS 0.3m (mg/L)	Phos Secchi Depth Qualifier	PHOS Secchi depth (mg/L)	FECOL Qualifier	FECOL 2.0m (MPN/100 ml)	E. coli Qualitifer	E. Coli cfu/100ml	COMMENT	QUALITY CONTROL
26			8		7				0.04			<	25		
	8.5			7			0.03					<	25		
	8.2			6			0.06						150		
21			9		7				0.081		90				
25.5			7.25		7				0.067		2				
9			10		6.5				0.023		23				
16			8.5		7				0.046		500				
28.5			7		7				0.064		4				
27.5			6.1		7				0.055	<	2			Low water; deeper reading NA	Blank FC <2
17			7.9						0.109		30				
16			7.75		7				0.03		6				
29					7				0.02				1775		E.coli<25 on 7/1/03
28.5			7.95		7				0.02			<	25		
	8.5			7			0.02					<	25		
	9.45			7			0.05					<	25		
21			8.4		7				0.162		150				
														NA - dredging nearby	
														NA-too shallow	
														NOT ACCESSIBLE	
														NOT ACCESSIBLE	
														Too Shallow	
17			8		6.8				0.04		17				
25					7				0.06				250		E.coli<25 on 7/1/03
27.5			8.4		7				0.04			<	25		
	8.6			7			0.03					<	25		
	9.6			7			0.08					<	25		
21			10.75		8				0.125		43				
														NA - not enough time	
														NA-too shallow	
														NOT ACCESSIBLE	
														NOT ACCESSIBLE	
														Too Shallow	
17			9.2		7				0.04		49				
23.5					6.5				0.08				400		E.coli<25 on 7/1/03
27			8.6		8				0.06			<	25		
	9.6	8		7			0.03					<	25		
	5.6			7			0.12						50		
			10.5		6.9				0.023						
			7.4		7				0.044						
			9.1		6				0.069						
									0.016					SPECIAL MONITOR	