

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: SMITH CRK AT SR 2045 BURLINGTON MILL RD NR WAKE FOREST
Station #: J2230000 **Hydrologic Unit Code:** 03020201
Latitude: 35.91820 **Longitude:** -78.53480 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-23-(2)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	82	0	<4	0	0		5.5	6.2	7	7.8	9.7	11.1	13.7
	82	0	<5	0	0		5.5	6.2	7	7.8	9.7	11.1	13.7
pH (SU)	83	0	<6	0	0		6.4	6.7	6.9	7.1	7.2	7.3	7.5
	83	0	>9	0	0		6.4	6.7	6.9	7.1	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	83	0	N/A				73	98	117	135	162	185	255
Water Temperature (°C)	83	0	>32	0	0		3.8	7	11.6	20.9	24.7	26	28.7
Other													
TSS (mg/L)	57	2	N/A				1	2.8	3.8	6.4	9.9	22.8	432
Turbidity (NTU)	57	0	>50	2	3.5		2.3	3.5	5.7	9.4	13	27	65
Nutrients (mg/L)													
NH3 as N	57	13	N/A				0.01	0.01	0.01	0.04	0.08	0.17	0.67
NO2 + NO3 as N	57	0	N/A				0.1	0.35	0.53	0.82	0.97	1.23	1.52
TKN as N	57	8	N/A				0.2	0.2	0.3	0.43	0.64	1.07	2.32
Total Phosphorus	57	4	N/A				0.02	0.03	0.05	0.08	0.1	0.22	0.64

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
57	119.6	8	14	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 2215 BUFFALO RD NR NEUSE

Station #: J2330000

Hydrologic Unit Code: 03020201

Latitude: 35.84790

Longitude: -78.53020

Stream class: C NSW

Agency: LNBA

NC stream index: 27-(22.5)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.3	5.8	6.4	7.4	9.3	10.5	12.6
	84	0	<5	0	0		5.3	5.8	6.4	7.4	9.3	10.5	12.6
pH (SU)	85	0	<6	0	0		6.5	6.7	6.9	7	7.2	7.3	7.5
	85	0	>9	0	0		6.5	6.7	6.9	7	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				70	97	105	129	164	187	251
Water Temperature (°C)	85	0	>32	0	0		4.5	7.3	12.2	21.6	26.1	27.9	31.1
Other													
TSS (mg/L)	60	0	N/A				3.5	5	7.6	11	16	43.8	357
Turbidity (NTU)	60	0	>50	5	8.3		4.5	6.9	11	14.5	18.8	48.9	380
Nutrients (mg/L)													
NH3 as N	60	4	N/A				0.01	0.01	0.04	0.06	0.12	0.16	0.29
NO2 + NO3 as N	60	1	N/A				0.01	0.09	0.13	0.24	0.32	0.4	1.02
TKN as N	60	4	N/A				0.2	0.24	0.44	0.6	0.93	1.03	1.7
Total Phosphorus	60	4	N/A				0.02	0.03	0.05	0.08	0.11	0.19	0.87

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	97.2	10	16.7	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV ABOVE MILBURNIE DAM NR RALEIGH

Station #: J2360000

Hydrologic Unit Code: 03020201

Latitude: 35.80222

Longitude: -78.53861

Stream class: C NSW

Agency: LNBA

NC stream index: 27-(22.5)

Time period: 02/26/2007 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	0	0		4	5.4	5.8	6.5	8.4	10.1	11.2
	66	0	<5	1	1.5		4	5.4	5.8	6.5	8.4	10.1	11.2
pH (SU)	67	0	<6	0	0		6.4	6.6	6.8	6.9	7.1	7.4	8.1
	67	0	>9	0	0		6.4	6.6	6.8	6.9	7.1	7.4	8.1
Spec. conductance (umhos/cm at 25°C)	67	0	N/A				71	99	105	144	207	230	312
Water Temperature (°C)	67	0	>32	1	1.5		4.7	7.3	12	22	25.9	28.9	32.5
Other													
TSS (mg/L)	47	0	N/A				2.6	4.2	5.7	6.9	9.7	18.2	24
Turbidity (NTU)	47	0	>50	0	0		3.1	5.4	6.9	11	17	23.4	33
Nutrients (mg/L)													
NH3 as N	47	9	N/A				0.01	0.01	0.02	0.04	0.09	0.18	1.25
NO2 + NO3 as N	47	16	N/A				0.01	0.01	0.01	0.05	0.25	0.43	0.81
TKN as N	47	1	N/A				0.2	0.38	0.58	0.78	1.02	1.26	1.73
Total Phosphorus	47	4	N/A				0.02	0.03	0.04	0.08	0.1	0.14	0.55

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
47	33.4	5	10.6	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV BELOW MILBURNIE DAM NR RALEIGH
Station #: J2363000 **Hydrologic Unit Code:** 03020201
Latitude: 35.80019 **Longitude:** -78.54001 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-(22.5)

Time period: 01/20/2006 to 01/29/2007

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	18	0	<4	1	5.6		3.8	4.4	5.4	7	9	10.2	11.4
	18	0	<5	2	11.1	73.4	3.8	4.4	5.4	7	9	10.2	11.4
pH (SU)	18	0	<6	0	0		6.3	6.6	6.9	7.1	7.4	7.6	7.6
	18	0	>9	0	0		6.3	6.6	6.9	7.1	7.4	7.6	7.6
Spec. conductance (umhos/cm at 25°C)	18	0	N/A				81	84	115	130	198	238	286
Water Temperature (°C)	18	0	>32	0	0		5.2	6.5	11.6	20.3	26.3	26.9	29.9
Other													
TSS (mg/L)	13	0	N/A				4.4	4.6	5.4	6.4	9.2	15	17
Turbidity (NTU)	13	0	>50	0	0		4.7	4.8	5.7	8.3	10.9	13.6	14
Nutrients (mg/L)													
NH3 as N	13	2	N/A				0.01	0.01	0.01	0.03	0.04	0.11	0.14
NO2 + NO3 as N	13	5	N/A				0.01	0.01	0.01	0.16	0.28	0.36	0.37
TKN as N	13	0	N/A				0.32	0.37	0.48	0.56	0.84	1.03	1.09
Total Phosphorus	13	0	N/A				0.06	0.06	0.07	0.07	0.12	0.78	1.1

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
13	18.6	0	0	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: CRABTREE CRK AT LASSITER MILL DAM AT RALEIGH

Station #: J3210000

Hydrologic Unit Code: 03020201

Latitude: 35.82722

Longitude: -78.65083

Stream class: C NSW

Agency: LNBA

NC stream index: 27-33-(10)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	3	3.6		3.4	4.6	5.8	6.7	8.8	10.5	12.2
	84	0	<5	10	11.9	78.4	3.4	4.6	5.8	6.7	8.8	10.5	12.2
pH (SU)	85	0	<6	0	0		6.6	6.8	7	7.1	7.2	7.3	7.6
	85	0	>9	0	0		6.6	6.8	7	7.1	7.2	7.3	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				83	113	144	186	221	273	391
Water Temperature (°C)	85	0	>32	0	0		4.8	7.5	12.4	22.5	25.7	27.3	30.3
Other													
TSS (mg/L)	60	0	N/A				2.8	4.6	7.9	13	25	55.5	404
Turbidity (NTU)	60	0	>50	3	5		4.2	7.4	9.6	14	24	44.4	170
Nutrients (mg/L)													
NH3 as N	60	9	N/A				0.01	0.01	0.02	0.06	0.1	0.15	0.22
NO2 + NO3 as N	60	0	N/A				0.1	0.25	0.37	0.51	0.84	1.2	2.82
TKN as N	60	3	N/A				0.2	0.24	0.37	0.63	0.82	1.23	4.39
Total Phosphorus	60	2	N/A				0.02	0.06	0.1	0.16	0.29	0.41	2.51

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	107.2	10	16.7	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: WALNUT CRK AT SR 2551 BARWELL RD NR RALEIGH
Station #: J3970000 **Hydrologic Unit Code:** 03020201
Latitude: 35.74930 **Longitude:** -78.53450 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-34-(4)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.4	6.2	6.9	7.5	9.8	10.8	12.1
	84	0	<5	0	0		5.4	6.2	6.9	7.5	9.8	10.8	12.1
pH (SU)	85	0	<6	0	0		6.2	6.6	6.8	7	7.2	7.4	7.5
	85	0	>9	0	0		6.2	6.6	6.8	7	7.2	7.4	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				58	98	132	163	188	206	271
Water Temperature (°C)	85	0	>32	0	0		4	7	12	21.3	24.2	25.5	28.8
Other													
TSS (mg/L)	60	2	N/A				1.6	2.8	3.5	5.7	9.9	22.9	171
Turbidity (NTU)	60	0	>50	5	8.3		4.6	7.1	9.1	11	19.8	34.5	160
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.01	0.01	0.02	0.06	0.09	0.14	0.45
NO2 + NO3 as N	60	0	N/A				0.09	0.15	0.24	0.37	0.48	0.53	0.64
TKN as N	60	8	N/A				0.2	0.2	0.26	0.44	0.63	1.16	2.03
Total Phosphorus	60	2	N/A				0.02	0.03	0.05	0.06	0.09	0.16	0.5
Metals (ug/L)													
Aluminum, total (Al)	16	0	N/A				113	134	178	336	926	3469	4164
Arsenic, total (As)	16	16	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	16	16	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	16	13	>50	0	0		5	5	5	5	5	8	9
Copper, total (Cu)	16	2	>7	2	12.5	78.9	2	2	2	3	5	13	13
Iron, total (Fe)	16	0	>1000	15	93.8	> 99.9	139	822	1300	1425	1871	5507	7480
Lead, total (Pb)	16	14	>25	0	0		5	5	5	5	5	12	14
Mercury, total (Hg)	16	16	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	16	16	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	16	1	>50	1	6.2		10	11	13	17	22	53	68
Fecal Coliform Screening(#/100mL)													
# results:	60	Geomean	145.6	# > 400:	12	% > 400:	20						

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 2555 AUBURN KNIGHTDALE RD NR RALEIGH
Station #: J4050000 **Hydrologic Unit Code:** 03020201
Latitude: 35.72660 **Longitude:** -78.51390 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-(22.5)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.8	6.2	6.6	7.4	9.8	10.8	12.5
	84	0	<5	0	0		5.8	6.2	6.6	7.4	9.8	10.8	12.5
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.5
	85	0	>9	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				51	97	111	131	154	171	236
Water Temperature (°C)	85	0	>32	1	1.2		4.4	6.9	11.5	21.4	25.4	27.3	32.4
Other													
TSS (mg/L)	60	0	N/A				2.6	4.5	7.3	11	17	73	321
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.7	7.5	11	14	28.5	55	340
Nutrients (mg/L)													
NH3 as N	60	4	N/A				0.01	0.01	0.03	0.07	0.11	0.16	0.27
NO2 + NO3 as N	60	0	N/A				0.05	0.14	0.18	0.26	0.36	0.42	0.61
TKN as N	60	0	N/A				0.21	0.31	0.47	0.6	0.88	1.16	1.5
Total Phosphorus	60	2	N/A				0.02	0.03	0.05	0.07	0.1	0.18	0.75
Metals (ug/L)													
Aluminum, total (Al)	16	0	N/A				257	272	366	824	2333	11467	16909
Arsenic, total (As)	16	16	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	16	16	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	16	14	>50	0	0		5	5	5	5	5	14	17
Copper, total (Cu)	16	2	>7	3	18.8	93.2	2	2	3	3	5	15	23
Iron, total (Fe)	16	0	>1000	12	75	> 99.9	730	848	1004	1365	3465	11005	13605
Lead, total (Pb)	16	13	>25	0	0		5	5	5	5	5	8	10
Mercury, total (Hg)	16	16	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	16	16	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	16	9	>50	1	6.2		10	10	10	10	19	41	54
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	124	13	21.7	69.4									

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: POPLAR CRK AT SR 2049 BETHLEHEM RD NR KNIGHTDALE

Station #: J4080000

Hydrologic Unit Code: 03020201

Latitude: 35.73090

Longitude: -78.47760

Stream class: C NSW

Agency: LNBA

NC stream index: 27-35

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	83	0	<4	0	0		5.4	6.5	7.2	7.8	10.2	11.3	12.7
	83	0	<5	0	0		5.4	6.5	7.2	7.8	10.2	11.3	12.7
pH (SU)	84	0	<6	0	0		6.4	6.8	6.8	7	7.2	7.4	7.5
	84	0	>9	0	0		6.4	6.8	6.8	7	7.2	7.4	7.5
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				85	104	120	142	176	204	250
Water Temperature (°C)	84	0	>32	0	0		3	5.9	10.8	19.9	23.3	24.5	28.6
Other													
TSS (mg/L)	58	2	N/A				2.1	2.9	4.5	6.3	10.2	18.3	191
Turbidity (NTU)	58	0	>50	1	1.7		3.3	4.3	6.3	9.5	14	18.2	130
Nutrients (mg/L)													
NH3 as N	58	10	N/A				0.01	0.01	0.03	0.06	0.12	0.18	0.51
NO2 + NO3 as N	58	0	N/A				0.46	0.79	1.42	1.8	2.25	2.71	3.86
TKN as N	58	5	N/A				0.2	0.27	0.39	0.51	0.74	1.14	1.79
Total Phosphorus	58	0	N/A				0.04	0.08	0.11	0.13	0.17	0.22	3.03

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
58	184.4	14	24.1	83.1

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 1700 COVERED BRIDGE RD NR ARCHERS LODGE

Station #: J4130000

Hydrologic Unit Code: 03020201

Latitude: 35.67490

Longitude: -78.43640

Stream class: WS-V NSW

Agency: LNBA

NC stream index: 27-(36)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.5	6.2	6.5	7.2	9.8	10.8	12.4
	84	0	<5	0	0		5.5	6.2	6.5	7.2	9.8	10.8	12.4
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.2	7.3	7.5
	85	0	>9	0	0		6.6	6.8	6.9	7	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				77	121	142	169	220	249	299
Water Temperature (°C)	85	0	>32	0	0		4.3	6.4	11.6	20.5	25.2	26.9	31.6
Other													
TSS (mg/L)	60	1	N/A				1	3.6	7.6	14	24.5	67.6	340
Turbidity (NTU)	60	0	>50	5	8.3		3.6	8.3	10.2	16	29.8	50	294
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.06	0.11	0.17	0.31
NO2 + NO3 as N	60	0	>10	0	0		0.09	0.31	0.42	0.63	0.91	1.24	1.74
TKN as N	60	1	N/A				0.2	0.37	0.53	0.69	0.99	1.21	1.51
Total Phosphorus	60	0	N/A				0.06	0.09	0.16	0.26	0.42	0.61	0.97
Metals (ug/L)													
Aluminum, total (Al)	16	0	N/A				281	287	376	788	1957	8417	15437
Arsenic, total (As)	16	16	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	16	16	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	16	14	>50	0	0		5	5	5	5	5	12	18
Copper, total (Cu)	16	4	>7	2	12.5	78.9	2	2	2	4	7	15	26
Iron, total (Fe)	16	0	>1000	9	56.2	> 99.9	811	829	852	1106	2138	11792	16590
Lead, total (Pb)	16	14	>25	0	0		5	5	5	5	5	10	10
Manganese, total (Mn)	16	0	>200	5	31.2	> 99.9	74	75	83	135	289	835	1358
Mercury, total (Hg)	16	16	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	16	16	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	16	5	>50	1	6.2		10	10	10	13	24	43	52
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	119.7	11	18.3										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT NC 42 NR CLAYTON

Station #: J4170000

Latitude: 35.64732

Agency: LNBA

Longitude: -78.40567

Hydrologic Unit Code: 03020201

Stream class: WS-IV NSW

NC stream index: 27-(38.5)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.7	6.1	6.5	7.4	9.6	11.2	12.8
	84	0	<5	0	0		5.7	6.1	6.5	7.4	9.6	11.2	12.8
pH (SU)	85	0	<6	0	0		6.5	6.8	7	7	7.2	7.3	7.9
	85	0	>9	0	0		6.5	6.8	7	7	7.2	7.3	7.9
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				90	112	130	174	221	256	304
Water Temperature (°C)	85	0	>32	0	0		4.2	6.4	11.2	20.6	24.7	27.1	31
Other													
TSS (mg/L)	60	0	N/A				2.4	4.6	6.8	13.5	23.5	93	388
Turbidity (NTU)	60	0	>50	5	8.3		3.6	7.6	9.2	13.5	27	49.5	298
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.01	0.01	0.03	0.08	0.11	0.15	0.39
NO2 + NO3 as N	60	0	>10	0	0		0.07	0.31	0.4	0.52	0.7	0.92	1.33
TKN as N	60	1	N/A				0.2	0.32	0.46	0.62	0.88	1.24	2.49
Total Phosphorus	60	1	N/A				0.02	0.07	0.15	0.23	0.36	0.52	0.89
Metals (ug/L)													
Aluminum, total (Al)	16	0	N/A				250	271	417	819	1846	9830	19902
Arsenic, total (As)	16	16	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	16	16	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	16	14	>50	0	0		5	5	5	5	5	13	21
Copper, total (Cu)	16	2	>7	3	18.8	93.2	2	2	2	4	6	19	34
Iron, total (Fe)	16	0	>1000	10	62.5	> 99.9	767	806	840	1184	2308	11263	19960
Lead, total (Pb)	16	14	>25	0	0		5	5	5	5	5	10	11
Manganese, total (Mn)	16	0	>200	4	25	> 99.9	64	68	78	149	218	758	899
Mercury, total (Hg)	16	16	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	16	15	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	16	3	>50	1	6.2		10	10	10	14	35	71	121
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	106.8	10	16.7										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 1908 FIRE DEPT RD NR WILSON MILLS

Station #: J4190000

Hydrologic Unit Code: 03020201

Latitude: 35.60670

Longitude: -78.33740

Stream class: WS-IV NSW

Agency: LNBA

NC stream index: 27-(38.5)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.9	6.3	6.6	7.4	9.8	11.2	12.6
	84	0	<5	0	0		5.9	6.3	6.6	7.4	9.8	11.2	12.6
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7.1	7.2	7.3	7.8
	85	0	>9	0	0		6.5	6.8	6.9	7.1	7.2	7.3	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				86	103	126	155	208	240	273
Water Temperature (°C)	85	0	>32	1	1.2		4	6.2	11	20.2	24.9	27.6	32.1
Other													
TSS (mg/L)	60	1	N/A				1.8	4.3	7	12	23.8	52.6	551
Turbidity (NTU)	60	0	>50	6	10	60.6	2.1	6.2	8.8	13.5	30	58.5	450
Nutrients (mg/L)													
NH3 as N	60	12	N/A				0.01	0.01	0.02	0.06	0.09	0.12	0.59
NO2 + NO3 as N	60	0	>10	0	0		0.13	0.27	0.37	0.49	0.68	0.92	1.49
TKN as N	60	1	N/A				0.2	0.29	0.44	0.65	0.87	1.35	2.41
Total Phosphorus	60	0	N/A				0.03	0.1	0.13	0.22	0.34	0.44	1.33

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	109.6	10	16.7	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: SWIFT CRK AT SR 1152 HOLLY SPRINGS RD NR MACEDONIA

Station #: J4414000

Hydrologic Unit Code: 03020201

Latitude: 35.71877

Longitude: -78.75270

Stream class: WS-III NSW

Agency: LNBA

NC stream index: 27-43-(1)

Time period: 01/20/2006 to 12/20/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	1	1.2		1.9	4.6	5.6	7	8.8	10.2	12.4
	84	0	<5	11	13.1	86.9	1.9	4.6	5.6	7	8.8	10.2	12.4
pH (SU)	85	0	<6	0	0		6.6	6.7	6.8	7	7.2	7.4	7.7
	85	0	>9	0	0		6.6	6.7	6.8	7	7.2	7.4	7.7
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				57	85	110	161	208	236	321
Water Temperature (°C)	85	0	>32	0	0		4.3	7.5	12.7	21.9	25.2	26.9	29.4
Other													
TSS (mg/L)	60	3	N/A				1	2.9	4.8	8	12	30.3	193
Turbidity (NTU)	60	0	>50	3	5		3.7	5.1	7.5	10	17.2	33	160
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.02	0.06	0.11	0.18	0.33
NO2 + NO3 as N	60	2	>10	0	0		0.01	0.09	0.21	0.48	1.05	1.45	1.99
TKN as N	60	3	N/A				0.2	0.27	0.38	0.5	0.75	1.36	4.48
Total Phosphorus	60	2	N/A				0.02	0.04	0.06	0.08	0.13	0.24	2.84

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	112.1	8	13.3	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: SWIFT CRK AT NC 210 NR SMITHFIELD
Station #: J4590000
Latitude: 35.51860 **Longitude:** -78.38190
Agency: LNBA

Hydrologic Unit Code: 03020201
Stream class: C NSW
NC stream index: 27-43-(8)

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.8	6.2	6.5	7.2	8.6	10.7	12.5
	85	0	<5	1	1.2		4.8	6.2	6.5	7.2	8.6	10.7	12.5
pH (SU)	85	0	<6	0	0		6.1	6.6	6.8	6.9	7	7.2	7.4
	85	0	>9	0	0		6.1	6.6	6.8	6.9	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	74	89	121	161	177	218
Water Temperature (°C)	85	0	>32	0	0		3.9	7.6	12.9	22.3	25.6	27.4	29.9
Other													
TSS (mg/L)	60	3	N/A				1	2	3.4	6.2	10	28.4	2060
Turbidity (NTU)	60	0	>50	4	6.7		4.2	5.7	7	10.5	15.8	38.8	1500
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.02	0.04	0.09	0.21	0.44
NO2 + NO3 as N	60	2	N/A				0.01	0.05	0.13	0.18	0.24	0.35	0.52
TKN as N	60	1	N/A				0.2	0.37	0.42	0.56	0.87	1.21	8.09
Total Phosphorus	60	1	N/A				0.03	0.05	0.07	0.1	0.16	0.28	1.89

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	111.4	6	10	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: UT TO MIDDLE CRK AT LUFKIN RD AT APEX

Station #: J4619000

Hydrologic Unit Code: 03020201

Latitude: 35.71311

Longitude: -78.83807

Stream class: C NSW

Agency: LNBA

NC stream index: 27-43-15-(1)

Time period: 02/28/2007 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	55	0	<4	6	10.9	69	1.7	3.8	5.4	6.5	7.9	9.5	12.1
	55	0	<5	12	21.8	>99.9	1.7	3.8	5.4	6.5	7.9	9.5	12.1
pH (SU)	55	0	<6	1	1.8		5.5	6.2	6.4	6.6	6.7	6.8	7.3
	55	0	>9	0	0		5.5	6.2	6.4	6.6	6.7	6.8	7.3
Spec. conductance (umhos/cm at 25°C)	55	0	N/A				52	82	102	128	205	291	391
Water Temperature (°C)	55	0	>32	0	0		3	6.7	12.8	18.9	22.7	25.6	28
Other													
TSS (mg/L)	37	0	N/A				3.3	4.2	5.5	9	15.5	62	109
Turbidity (NTU)	37	0	>50	5	13.5	84	4.8	6.9	10	14	29.5	71.8	80
Nutrients (mg/L)													
NH3 as N	37	3	N/A				0.01	0.02	0.04	0.09	0.16	0.3	0.95
NO2 + NO3 as N	37	2	N/A				0.01	0.08	0.21	0.68	0.99	1.62	2.22
TKN as N	37	0	N/A				0.38	0.5	0.7	0.92	1.09	1.92	12.94
Total Phosphorus	37	0	N/A				0.07	0.09	0.18	0.31	0.65	1.11	1.92

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
37	167.5	11	29.7	94.8

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: UT TO MIDDLE CRK AT PRISTINE WATER RD NR APEX

Station #: J4620000

Hydrologic Unit Code: 03020201

Latitude: 35.71058

Longitude: -78.83592

Stream class: C NSW

Agency: LNBA

NC stream index: 27-43-15-(1)

Time period: 01/18/2006 to 01/17/2007

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	15	0	<4	1	6.7		1.7	4	6	6.7	9.4	10.3	10.4
	15	0	<5	1	6.7		1.7	4	6	6.7	9.4	10.3	10.4
pH (SU)	15	0	<6	0	0		6.5	6.6	6.7	6.9	7.1	7.3	7.4
	15	0	>9	0	0		6.5	6.6	6.7	6.9	7.1	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	15	0	N/A				73	74	86	112	146	172	187
Water Temperature (°C)	15	0	>32	0	0		6.8	7.8	10.9	19.5	22.5	25.3	27
Other													
TSS (mg/L)	10	1	N/A				1	1.3	5	9.6	17	53.3	57
Turbidity (NTU)	10	0	>50	0	0		3.6	3.8	9.8	15.5	23.2	24	24
Nutrients (mg/L)													
NH3 as N	10	2	N/A				0.01	0.01	0.01	0.05	0.09	0.17	0.17
NO2 + NO3 as N	10	0	N/A				0.01	0.01	0.04	0.25	0.75	0.85	0.86
TKN as N	10	0	N/A				0.41	0.41	0.46	0.61	0.75	1.08	1.1
Total Phosphorus	10	0	N/A				0.07	0.07	0.09	0.13	0.17	0.24	0.25

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
10	154.6	4	40	96.7

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MIDDLE CRK AT SR 1152 HOLLY SPRINGS RD NR HOLLY SPRINGS

Station #: J4690000

Hydrologic Unit Code: 03020201

Latitude: 35.66090

Longitude: -78.80420

Stream class: C NSW

Agency: LNBA

NC stream index: 27-43-15-(1)

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.3	6.1	6.5	7.1	8.8	10.2	12.7
	85	0	<5	0	0		5.3	6.1	6.5	7.1	8.8	10.2	12.7
pH (SU)	85	0	<6	0	0		6.3	6.6	6.7	6.9	7.1	7.4	7.6
	85	0	>9	0	0		6.3	6.6	6.7	6.9	7.1	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				86	121	161	229	327	421	532
Water Temperature (°C)	85	0	>32	0	0		3.1	7.2	11.5	20	22.9	24.7	26.9
Other													
TSS (mg/L)	60	4	N/A				1.5	2.5	3.6	5.6	10.8	40.4	136
Turbidity (NTU)	60	0	>50	7	11.7	75.2	3.8	4.7	6.7	9.8	21	78	200
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.02	0.06	0.1	0.2	0.67
NO2 + NO3 as N	60	0	N/A				0.23	0.58	0.92	1.26	1.71	3.16	4.62
TKN as N	60	0	N/A				0.49	0.6	0.74	0.88	1.03	1.2	12.94
Total Phosphorus	60	0	N/A				0.08	0.21	0.32	0.46	0.94	2.15	8.46

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	188.6	18	30	97.8

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MIDDLE CRK AT SR 1375 LAKE WHEELER RD NR BANKS

Station #: J4868000

Hydrologic Unit Code: 03020201

Latitude: 35.63560

Longitude: -78.72791

Stream class: C NSW

Agency: LNBA

NC stream index: 27-43-15-(4)

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.4	6	6.4	6.9	9.1	10.8	12.8
	85	0	<5	1	1.2		4.4	6	6.4	6.9	9.1	10.8	12.8
pH (SU)	85	0	<6	0	0		6.7	6.8	6.9	7.1	7.2	7.4	7.6
	85	0	>9	0	0		6.7	6.8	6.9	7.1	7.2	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				72	105	122	167	240	333	436
Water Temperature (°C)	85	0	>32	0	0		3.7	7.5	12.2	21.3	24.3	26	27.9
Other													
TSS (mg/L)	60	1	N/A				1	3.9	5.8	8	13.5	31.9	116
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.3	6	7.6	12	22.5	60	220
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.04	0.07	0.13	0.2	0.49
NO2 + NO3 as N	60	0	N/A				0.21	0.33	0.42	0.62	0.8	1.11	1.58
TKN as N	60	1	N/A				0.2	0.48	0.62	0.82	1.03	1.17	1.48
Total Phosphorus	60	0	N/A				0.05	0.11	0.18	0.37	0.83	1.48	2.98
Metals (ug/L)													
Aluminum, total (Al)	16	0	N/A				153	162	218	326	556	826	1192
Arsenic, total (As)	16	16	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	16	16	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	16	16	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	16	7	>7	0	0		2	2	2	2	3	4	5
Iron, total (Fe)	16	0	>1000	12	75	> 99.9	93	344	999	1222	1589	1769	1804
Lead, total (Pb)	16	16	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	16	16	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	16	16	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	16	0	>50	0	0		11	12	14	18	24	32	40

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	163.5	14	23.3	79.3

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MIDDLE CRK AT SR 1006 OLD STAGE RD NR WILLOW SPRINGS

Station #: J4980000

Hydrologic Unit Code: 03020201

Latitude: 35.60910

Longitude: -78.68660

Stream class: C NSW

Agency: LNBA

NC stream index: 27-43-15-(4)

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.2	6.3	6.5	7.2	9	10.4	12.7
	85	0	<5	0	0		5.2	6.3	6.5	7.2	9	10.4	12.7
pH (SU)	85	0	<6	0	0		6.5	6.7	6.9	7	7.2	7.3	7.4
	85	0	>9	0	0		6.5	6.7	6.9	7	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				81	119	137	177	224	310	417
Water Temperature (°C)	85	0	>32	0	0		3.5	7.3	12.4	20.4	24.3	25.8	28.2
Other													
TSS (mg/L)	60	0	N/A				2.5	3.5	5	7.3	14.5	28.9	109
Turbidity (NTU)	60	0	>50	2	3.3		4.5	5.9	8.1	12	17.8	38.2	100
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.03	0.06	0.12	0.22	0.38
NO2 + NO3 as N	60	0	N/A				0.1	0.18	0.23	0.36	0.53	0.69	1.55
TKN as N	60	0	N/A				0.42	0.54	0.6	0.78	0.99	1.22	1.98
Total Phosphorus	60	0	N/A				0.06	0.08	0.13	0.22	0.49	0.64	2.99

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	149.4	15	25	86.9

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MIDDLE CRK AT NC 210 NR SMITHFIELD
Station #: J5010000
Latitude: 35.50750 **Longitude:** -78.40139
Agency: LNBA

Hydrologic Unit Code: 03020201
Stream class: C NSW
NC stream index: 27-43-15-(4)

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.1	6.5	7.1	9	10.8	12.8
	85	0	<5	0	0		5.5	6.1	6.5	7.1	9	10.8	12.8
pH (SU)	85	0	<6	0	0		6.1	6.7	6.8	6.9	7	7.2	7.4
	85	0	>9	0	0		6.1	6.7	6.8	6.9	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				92	110	130	156	185	241	310
Water Temperature (°C)	85	0	>32	0	0		3.7	7.7	13.2	21.9	24.7	26.9	29
Other													
TSS (mg/L)	60	3	N/A				1	1.9	3	6.4	9.7	15	55
Turbidity (NTU)	60	0	>50	4	6.7		3.7	5.7	7.7	11	15.8	37.6	260
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.02	0.05	0.07	0.11	0.38
NO2 + NO3 as N	60	1	N/A				0.01	0.19	0.25	0.35	0.43	0.51	0.67
TKN as N	60	0	N/A				0.23	0.34	0.46	0.61	0.72	0.98	1.76
Total Phosphorus	60	0	N/A				0.04	0.08	0.1	0.16	0.21	0.24	0.62

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	100.4	6	10	

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: BLACK CRK AT SR 1162 BLACK CREEK RD NR FOUR OAKS
Station #: J5170000 **Hydrologic Unit Code:** 03020201
Latitude: 35.46925 **Longitude:** -78.45681 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-45-(2)

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	12	14.1	92	0.7	3	5.2	6.2	8.4	10.3	12.6
	85	0	<5	20	23.5	>99.9	0.7	3	5.2	6.2	8.4	10.3	12.6
pH (SU)	85	0	<6	2	2.4		5.3	6.3	6.5	6.6	6.8	6.9	7.7
	85	0	>9	0	0		5.3	6.3	6.5	6.6	6.8	6.9	7.7
Spec. conductance (umhos/cm at 25°C)	85	2	N/A				50	67	82	107	160	208	295
Water Temperature (°C)	85	0	>32	0	0		3.5	7.3	13	21.7	25	26.4	30.1
Other													
TSS (mg/L)	60	3	N/A				1	2.2	2.8	4.2	6	8	18
Turbidity (NTU)	60	0	>50	0	0		2.8	4.2	5.6	9.3	12	16	29
Nutrients (mg/L)													
NH3 as N	60	14	N/A				0.01	0.01	0.01	0.04	0.09	0.25	0.91
NO2 + NO3 as N	60	14	N/A				0.01	0.01	0.01	0.04	0.08	0.14	0.21
TKN as N	60	1	N/A				0.2	0.44	0.62	0.83	1.22	1.73	3.37
Total Phosphorus	60	0	N/A				0.02	0.05	0.06	0.08	0.12	0.22	0.6

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
60	76.3	2	3.3

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 1201 RICHARDSON BRIDGE RD NR COX MILL
Station #: J5250000 **Hydrologic Unit Code:** 03020201
Latitude: 35.37410 **Longitude:** -78.19620 **Stream class:** WS-IV NSW
Agency: LNBA **NC stream index:** 27-(49.5)

Time period: 01/20/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.6	6	6.5	7.2	9.8	11.2	12.8
	85	0	<5	0	0		5.6	6	6.5	7.2	9.8	11.2	12.8
pH (SU)	85	0	<6	0	0		6.3	6.7	6.8	6.9	7.2	7.3	7.4
	85	0	>9	0	0		6.3	6.7	6.8	6.9	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				66	96	112	137	184	240	270
Water Temperature (°C)	85	0	>32	1	1.2		3.7	6.4	12.3	20.2	25.3	27.7	33.1
Other													
TSS (mg/L)	60	0	N/A				3.2	6.9	12	24	37	88.8	520
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.5	12	14.5	25	39.2	64	130
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.02	0.06	0.09	0.13	0.22
NO2 + NO3 as N	60	0	>10	0	0		0.09	0.21	0.31	0.44	0.58	0.7	1.1
TKN as N	60	1	N/A				0.2	0.33	0.44	0.64	0.89	1.31	2.49
Total Phosphorus	60	1	N/A				0.02	0.08	0.11	0.18	0.24	0.33	2.37
Metals (ug/L)													
Aluminum, total (Al)	16	0	N/A				130	298	474	718	1940	5155	7432
Arsenic, total (As)	16	16	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	16	16	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	16	14	>50	0	0		5	5	5	5	5	10	13
Copper, total (Cu)	16	3	>7	3	18.8	93.2	2	2	3	3	5	10	13
Iron, total (Fe)	16	0	>1000	12	75	> 99.9	367	647	996	1410	2393	6848	9620
Lead, total (Pb)	16	13	>25	0	0		5	5	5	5	5	9	11
Manganese, total (Mn)	16	0	>200	3	18.8	93.2	36	59	82	108	194	672	1340
Mercury, total (Hg)	16	16	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	16	15	>25	0	0		10	10	10	10	10	12	18
Zinc, total (Zn)	16	9	>50	1	6.2		10	10	10	10	17	43	60
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	87.8	5	8.3										

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: HANNAH CRK AT SR 1158 ALLEN CROSSROADS RD NR BENSON
Station #: J5390000 **Hydrologic Unit Code:** 03020201
Latitude: 35.38677 **Longitude:** -78.51096 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-52-6

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	29	34.1	> 99.9	0.1	0.4	2.5	5.2	7.9	9.5	12.4
	85	0	<5	38	44.7	> 99.9	0.1	0.4	2.5	5.2	7.9	9.5	12.4
pH (SU)	85	0	<6	19	22.4	> 99.9	4.3	5.7	6	6.4	6.6	6.8	7.9
	85	0	>9	0	0		4.3	5.7	6	6.4	6.6	6.8	7.9
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				64	76	86	115	150	205	285
Water Temperature (°C)	85	0	>32	0	0		3.2	7.4	13.1	21.5	24.4	25.8	27.6
Other													
TSS (mg/L)	60	5	N/A				1	1.3	2.4	4	7.6	20.9	83
Turbidity (NTU)	60	0	>50	3	5		1.3	2.9	4.5	7.4	15.5	29.9	160
Nutrients (mg/L)													
NH3 as N	60	9	N/A				0.01	0.01	0.02	0.07	0.17	0.33	2.36
NO2 + NO3 as N	60	6	N/A				0.01	0.01	0.04	0.2	0.44	0.6	1.26
TKN as N	60	1	N/A				0.2	0.32	0.47	0.63	0.78	1.14	3.63
Total Phosphorus	60	1	N/A				0.02	0.04	0.05	0.07	0.1	0.23	2.04

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
60	87.7	10	16.7

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: HANNAH CRK AT SR 1227 IVEY RD NR BENSON

Station #: J5390800

Hydrologic Unit Code: 03020201

Latitude: 35.40245

Longitude: -78.49520

Stream class: C NSW

Agency: LNBA

NC stream index: 27-52-6

Time period: 01/18/2006 to 12/10/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	46	54.1	> 99.9	0.1	0.5	1.9	3.2	6.5	9.4	12.1
	85	0	<5	52	61.2	> 99.9	0.1	0.5	1.9	3.2	6.5	9.4	12.1
pH (SU)	85	0	<6	11	12.9	86	5.4	5.8	6.3	6.5	6.7	7	7.7
	85	0	>9	0	0		5.4	5.8	6.3	6.5	6.7	7	7.7
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				71	93	116	164	244	310	438
Water Temperature (°C)	85	0	>32	0	0		3.3	7	12.2	21.5	24.5	26	27.8
Other													
TSS (mg/L)	60	3	N/A				1	1.7	2.9	5.6	11	19.7	32
Turbidity (NTU)	60	0	>50	0	0		1.5	2.7	4.5	10.4	16.8	27.7	50
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.1	0.18	0.49	1.59
NO2 + NO3 as N	60	24	N/A				0.01	0.01	0.01	0.02	0.44	0.62	2.22
TKN as N	60	0	N/A				0.33	0.45	0.62	0.82	1.45	1.81	3.07
Total Phosphorus	60	0	N/A				0.06	0.1	0.14	0.3	0.63	1.08	2.31

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
60	58.2	5	8.3

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MILL CRK AT SR 1200 AT COX MILL
Station #: J5410000
Latitude: 35.34195 **Longitude:** -78.21623
Agency: LNBA

Hydrologic Unit Code: 03020201
Stream class: C NSW
NC stream index: 27-52-(1)

Time period: 06/20/2009 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	26	0	<4	2	7.7		2.5	4.1	4.7	5.5	7.1	10	10.6
	26	0	<5	8	30.8	> 99.9	2.5	4.1	4.7	5.5	7.1	10	10.6
pH (SU)	26	0	<6	5	19.2	> 99.9	5.8	5.9	6.3	6.5	6.6	6.8	7
	26	0	>9	0	0		5.8	5.9	6.3	6.5	6.6	6.8	7
Spec. conductance (umhos/cm at 25°C)	26	0	N/A				7	66	88	104	135	181	194
Water Temperature (°C)	26	0	>32	0	0		2.6	6.5	13.2	22	25.8	28.3	30.7
Other													
TSS (mg/L)	17	1	N/A				1	1.2	2.6	3.7	4.9	8.3	8.3
Turbidity (NTU)	17	0	>50	0	0		2.5	3.1	4.2	6.7	7.8	12	16
Nutrients (mg/L)													
NH3 as N	17	2	N/A				0.01	0.01	0.02	0.06	0.1	0.2	0.47
NO2 + NO3 as N	17	0	N/A				0.01	0.05	0.07	0.1	0.35	0.44	0.49
TKN as N	17	0	N/A				0.45	0.57	0.81	0.98	1.11	1.56	1.87
Total Phosphorus	17	1	N/A				0.02	0.03	0.04	0.05	0.07	0.1	0.15

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
17	134.7	1	5.9	

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: FALLING CRK AT SR 1219 OLD GRANTHAM RD NR GRANTHAM
Station #: J5500000 **Hydrologic Unit Code:** 03020201
Latitude: 35.32239 **Longitude:** -78.12815 **Stream class:** WS-IV NSW
Agency: LNBA **NC stream index:** 27-54-(3.5)

Time period: 08/17/2009 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	24	0	<4	7	29.2	> 99.9	2.3	2.9	3.6	5.5	7.4	9.7	10.5
	24	0	<5	9	37.5	> 99.9	2.3	2.9	3.6	5.5	7.4	9.7	10.5
pH (SU)	24	0	<6	2	8.3		5.5	6	6.2	6.5	6.6	6.7	6.8
	24	0	>9	0	0		5.5	6	6.2	6.5	6.6	6.7	6.8
Spec. conductance (umhos/cm at 25°C)	24	0	N/A				101	108	117	128	161	206	219
Water Temperature (°C)	24	0	>32	0	0		2.7	6.9	12.8	20.8	25.3	27.2	28.8
Other													
TSS (mg/L)	17	5	N/A				1	1.2	2.4	3.1	3.9	15.8	58
Turbidity (NTU)	17	0	>50	0	0		2	2.6	4.7	5.3	8.2	16	16
Nutrients (mg/L)													
NH3 as N	17	0	N/A				0.01	0.02	0.02	0.06	0.16	0.46	0.47
NO2 + NO3 as N	17	0	>10	0	0		0.07	0.08	0.12	0.37	1.04	1.96	2.22
TKN as N	17	0	N/A				0.49	0.54	0.89	1.09	1.28	1.94	1.97
Total Phosphorus	17	0	N/A				0.02	0.02	0.05	0.1	0.13	0.16	0.24

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
17	117.7	3	17.6	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE RIV AT SR 2333 SMITHFIELD RD NR ZEBULON

Station #: J5620000

Hydrologic Unit Code: 03020201

Latitude: 35.85770

Longitude: -78.36650

Stream class: WS-II HQW NSW

Agency: LNBA

NC stream index: 27-57-(1)

Time period: 01/30/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	55	64.7	> 99.9	0.2	0.7	1.7	3.2	5.5	8.1	10.3
	85	0	<5	62	72.9	> 99.9	0.2	0.7	1.7	3.2	5.5	8.1	10.3
pH (SU)	85	0	<6	12	14.1	92	5.3	5.8	6.2	6.3	6.5	6.6	7.1
	85	0	>9	0	0		5.3	5.8	6.2	6.3	6.5	6.6	7.1
Spec. conductance (umhos/cm at 25°C)	85	3	N/A				50	59	69	85	105	127	164
Water Temperature (°C)	85	0	>32	0	0		3	7.1	11.7	20.2	23.6	26	30.9
Other													
TSS (mg/L)	58	3	N/A				1	2.2	2.9	4.9	6.8	13.2	25
Turbidity (NTU)	58	0	>50	0	0		1.4	3.7	6	8.6	14	26.6	50
Nutrients (mg/L)													
NH3 as N	58	9	N/A				0.01	0.01	0.02	0.04	0.08	0.14	0.42
NO2 + NO3 as N	58	13	>10	0	0		0.01	0.01	0.01	0.04	0.11	0.27	4.74
TKN as N	58	1	N/A				0.2	0.33	0.43	0.66	0.94	1.16	1.92
Total Phosphorus	58	1	N/A				0.02	0.05	0.06	0.09	0.14	0.19	0.78

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
58	50.8	3	5.2	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE RIV AT US 301 NR KENLY
Station #: J5690000
Latitude: 35.58290 **Longitude:** -78.15930
Agency: LNBA

Hydrologic Unit Code: 03020201
Stream class: WS-V NSW
NC stream index: 27-57-(8.5)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	2	2.4		3.2	5.4	6.2	7.1	9.2	10.6	12.5
	85	0	<5	4	4.7		3.2	5.4	6.2	7.1	9.2	10.6	12.5
pH (SU)	85	0	<6	0	0		6.2	6.6	6.7	6.8	6.9	7.1	7.5
	85	0	>9	0	0		6.2	6.6	6.7	6.8	6.9	7.1	7.5
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	64	80	97	126	184	772
Water Temperature (°C)	85	0	>32	0	0		2.8	7.3	12.6	20.5	24.7	27.3	30.9
Other													
TSS (mg/L)	60	1	N/A				1.3	2.9	3.8	5.9	8.3	12	26
Turbidity (NTU)	60	0	>50	0	0		1.8	5.6	7	9.8	13	18.9	34
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.01	0.04	0.09	0.17	0.26
NO2 + NO3 as N	60	0	>10	0	0		0.03	0.07	0.1	0.18	0.27	0.37	1.6
TKN as N	60	2	N/A				0.2	0.33	0.53	0.69	0.92	1.39	1.74
Total Phosphorus	60	2	N/A				0.02	0.05	0.07	0.09	0.12	0.17	1.31

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	83	6	10	

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE RIV AT SR 2339 BAGLEY RD NR LOWELL MILL

Station #: J5750000

Hydrologic Unit Code: 03020201

Latitude: 35.56128

Longitude: -78.15935

Stream class: WS-V NSW

Agency: LNBA

NC stream index: 27-57-(8.5)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	82	0	<4	4	4.9		2.3	5.6	6.4	7.2	9.1	10.7	12.5
	82	0	<5	4	4.9		2.3	5.6	6.4	7.2	9.1	10.7	12.5
pH (SU)	82	0	<6	0	0		6.2	6.6	6.7	6.8	7	7.2	7.4
	82	0	>9	0	0		6.2	6.6	6.7	6.8	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	82	0	N/A				54	70	87	104	125	161	289
Water Temperature (°C)	82	0	>32	0	0		3	7	12.2	20.2	23.7	26.8	31.9
Other													
TSS (mg/L)	58	2	N/A				1	2.3	3.4	5.4	10.2	16	33
Turbidity (NTU)	58	0	>50	0	0		1.8	4.7	7.1	9.8	14	19.1	45
Nutrients (mg/L)													
NH3 as N	58	13	N/A				0.01	0.01	0.01	0.04	0.09	0.12	0.3
NO2 + NO3 as N	58	0	>10	0	0		0.01	0.09	0.14	0.2	0.29	0.41	0.59
TKN as N	58	1	N/A				0.2	0.38	0.51	0.61	0.86	1.17	1.64
Total Phosphorus	58	1	N/A				0.02	0.05	0.07	0.11	0.13	0.18	0.25

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
58	75.5	5	8.6	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE RIV AT SR 1234 CAPPs BRIDGE RD NR CROSSROADS

Station #: J5900000

Hydrologic Unit Code: 03020201

Latitude: 35.46620

Longitude: -78.09420

Stream class: WS-IV NSW

Agency: LNBA

NC stream index: 27-57-(20.2)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	1	1.2		3.9	5.1	6	6.9	8.8	10.2	12.2
	85	0	<5	7	8.2		3.9	5.1	6	6.9	8.8	10.2	12.2
pH (SU)	85	0	<6	4	4.7		5.8	6.3	6.6	6.9	7	7.2	8.3
	85	0	>9	0	0		5.8	6.3	6.6	6.9	7	7.2	8.3
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	72	89	116	153	207	340
Water Temperature (°C)	85	0	>32	1	1.2		3.2	7.6	12.9	21.3	25.4	27.9	32.1
Other													
TSS (mg/L)	60	0	N/A				1.7	2	3.8	6	9.7	13.9	82
Turbidity (NTU)	60	0	>50	1	1.7		1.3	3.8	5.9	8.7	13.8	18.9	85
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.02	0.04	0.08	0.13	0.28
NO2 + NO3 as N	60	0	>10	0	0		0.05	0.1	0.25	0.31	0.43	0.52	0.61
TKN as N	60	2	N/A				0.2	0.35	0.51	0.58	0.88	1.41	1.83
Total Phosphorus	60	2	N/A				0.02	0.03	0.06	0.08	0.11	0.16	0.22

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	75.6	4	6.7	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE RIV AT NC 581 AT ASYLUM

Station #: J5930000

Latitude: 35.39300

Agency: LNBA

Longitude: -78.02580

Hydrologic Unit Code: 03020201

Stream class: C NSW

NC stream index: 27-57-(22)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	1	1.2		3.5	5.8	6.3	7.2	8.5	10.4	12.6
	84	0	<5	2	2.4		3.5	5.8	6.3	7.2	8.5	10.4	12.6
pH (SU)	85	0	<6	1	1.2		5.5	6.6	6.7	6.8	7	7.1	7.3
	85	0	>9	0	0		5.5	6.6	6.7	6.8	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				62	84	104	127	162	195	290
Water Temperature (°C)	85	0	>32	0	0		3.4	7.8	12.9	21.6	25.2	27.3	31.1
Other													
TSS (mg/L)	60	1	N/A				1	1.8	2.9	4.9	8.1	12	43
Turbidity (NTU)	60	0	>50	1	1.7		2.2	3.6	5.6	7.5	12	19.8	60
Nutrients (mg/L)													
NH3 as N	60	9	N/A				0.01	0.01	0.02	0.04	0.09	0.19	0.64
NO2 + NO3 as N	60	2	N/A				0.01	0.14	0.23	0.38	0.47	0.6	0.69
TKN as N	60	3	N/A				0.2	0.29	0.46	0.69	0.89	1.23	1.64
Total Phosphorus	60	1	N/A				0.02	0.04	0.06	0.08	0.1	0.15	0.26

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
60	84	2	3.3

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: WALNUT CRK AT SR 1730 SAINT JOHNS CHURCH RD NR WALNUT CREEK
Station #: J6010950 **Hydrologic Unit Code:** 03020202
Latitude: 35.28170 **Longitude:** -77.86860 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-68

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		4.1	5.2	5.7	6.5	8.2	9.9	12.1
	84	0	<5	5	6		4.1	5.2	5.7	6.5	8.2	9.9	12.1
pH (SU)	85	0	<6	3	3.5		5.4	6.2	6.4	6.6	6.8	7	7.1
	85	0	>9	0	0		5.4	6.2	6.4	6.6	6.8	7	7.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				54	79	84	108	138	165	208
Water Temperature (°C)	85	0	>32	0	0		3.2	8.3	14	22.1	25.8	26.8	29.4
Other													
TSS (mg/L)	60	8	N/A				1	1	1.3	2	3.2	4.9	22
Turbidity (NTU)	60	4	>50	0	0		1	1.9	2.6	3.9	5.5	7.4	11
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.06	0.13	0.17	0.32
NO2 + NO3 as N	60	0	N/A				0.12	0.4	0.69	0.94	1.55	2.41	2.88
TKN as N	60	8	N/A				0.2	0.2	0.32	0.5	0.79	1.04	1.91
Total Phosphorus	60	6	N/A				0.02	0.02	0.03	0.06	0.07	0.13	0.18

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	39.7	2	3.3	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 1731 NR SEVEN SPRINGS

Station #: J6024000

Hydrologic Unit Code: 03020202

Latitude: 35.22900

Longitude: -77.84600

Stream class: C NSW

Agency: LNBA

NC stream index: 27-(56)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		4.8	5.8	6.3	7	8.4	10.3	12.3
	84	0	<5	1	1.2		4.8	5.8	6.3	7	8.4	10.3	12.3
pH (SU)	85	0	<6	1	1.2		5.8	6.7	6.8	6.9	7	7.1	7.6
	85	0	>9	0	0		5.8	6.7	6.8	6.9	7	7.1	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				79	96	115	132	160	199	240
Water Temperature (°C)	85	0	>32	1	1.2		3.3	8.5	13.9	22.3	26.4	28.6	32.8
Other													
TSS (mg/L)	60	0	N/A				1.7	4.9	8.3	13.5	24.2	42.9	65
Turbidity (NTU)	60	0	>50	3	5		3.8	6.8	11	16.5	29	37.9	230
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.07	0.12	0.16	0.33
NO2 + NO3 as N	60	0	N/A				0.07	0.23	0.34	0.46	0.57	0.69	1.71
TKN as N	60	2	N/A				0.2	0.28	0.43	0.61	0.86	1.07	1.44
Total Phosphorus	60	0	N/A				0.03	0.06	0.09	0.11	0.15	0.19	0.67

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	65.9	6	10	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: BEAR CRK AT SR 1311 BEAR CREEK RD NR KINSTON

Station #: J6044500

Hydrologic Unit Code: 03020202

Latitude: 35.24890

Longitude: -77.78430

Stream class: WS IV Sw NSW

Agency: LNBA

NC stream index: 27-72-(5)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	N/A				5.1	6.2	6.7	7.8	9.2	10.4	12.5
pH (SU)	85	0	<4.3	0	0		5.8	6.3	6.5	6.8	6.9	7.1	7.2
	85	0	>9	0	0		5.8	6.3	6.5	6.8	6.9	7.1	7.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				61	93	99	108	124	145	181
Water Temperature (°C)	85	0	>32	0	0		2.9	8.2	13.2	20.3	23.6	25.5	28.6
Other													
TSS (mg/L)	60	2	N/A				1.2	2.2	3.9	7.3	13.8	18	38
Turbidity (NTU)	60	0	>50	0	0		2.6	3.5	5	8.6	15	25.6	45
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.01	0.01	0.04	0.08	0.16	0.26	0.7
NO2 + NO3 as N	60	0	>10	0	0		1.31	1.63	1.76	2.13	2.5	2.89	3.6
TKN as N	60	3	N/A				0.2	0.22	0.33	0.64	0.88	1.24	1.67
Total Phosphorus	60	1	N/A				0.02	0.06	0.07	0.1	0.18	0.23	5.15
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	85.8	7	11.7										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MOSLEY CRK AT SR 1327 WILLEY MEASLEY RD NR LAGRANGE
Station #: J6055000 **Hydrologic Unit Code:** 03020202
Latitude: 35.31194 **Longitude:** -77.73139 **Stream class:** C Sw NSW
Agency: LNBA **NC stream index:** 27-77-2

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	83	0	N/A				4.4	5.5	6.3	7.1	8.8	10	12
pH (SU)	85	0	<4.3	0	0		6	6.4	6.6	6.7	6.9	7	7.2
	85	0	>9	0	0		6	6.4	6.6	6.7	6.9	7	7.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				69	94	110	125	160	195	253
Water Temperature (°C)	85	0	>32	0	0		2.7	8.4	13.2	20.6	23.7	25.8	28.9
Other													
TSS (mg/L)	60	0	N/A				1.6	2.2	3.1	5.8	9.9	16.9	59
Turbidity (NTU)	60	0	>50	0	0		1.8	2.9	4.1	5.8	9.4	14.9	24
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.01	0.01	0.04	0.08	0.12	0.22	0.54
NO2 + NO3 as N	60	0	N/A				0.27	0.97	1.24	1.46	2.15	2.76	3.19
TKN as N	60	8	N/A				0.2	0.2	0.3	0.55	0.84	1.24	2.38
Total Phosphorus	60	2	N/A				0.02	0.04	0.05	0.08	0.11	0.15	0.24
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	45.8	5	8.3										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT NC 11 AT KINSTON

Station #: J6150000

Hydrologic Unit Code: 03020202

Latitude: 35.25879

Longitude: -77.58353

Stream class: C NSW

Agency: LNBA

NC stream index: 27-(75.7)

Time period: 01/30/2006 to 12/30/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	83	0	<4	0	0		4	5.8	6.3	6.9	8.8	10.3	12.3
	83	0	<5	1	1.2		4	5.8	6.3	6.9	8.8	10.3	12.3
pH (SU)	85	0	<6	0	0		6	6.7	6.8	6.9	7	7.2	8.5
	85	0	>9	0	0		6	6.7	6.8	6.9	7	7.2	8.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				80	103	122	150	170	193	218
Water Temperature (°C)	85	0	>32	1	1.2		3.7	8.8	14.2	22.7	26.7	29.3	33.3
Other													
TSS (mg/L)	60	0	N/A				2.7	5.5	6.9	10.5	17	25.8	229
Turbidity (NTU)	60	0	>50	1	1.7		5.3	7.9	10	15	20	26	75
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.02	0.04	0.09	0.15	0.47
NO2 + NO3 as N	60	1	N/A				0.01	0.23	0.36	0.52	0.66	0.81	0.92
TKN as N	60	1	N/A				0.2	0.3	0.42	0.59	0.8	0.97	2.03
Total Phosphorus	60	0	N/A				0.02	0.06	0.08	0.11	0.13	0.17	0.23

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	60.5	3	5	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT NC 55 NR GRAINGERS
Station #: J6250000
Latitude: 35.29570 **Longitude:** -77.49620
Agency: LNBA

Hydrologic Unit Code: 03020202
Stream class: C NSW
NC stream index: 27-(75.7)

Time period: 01/30/2006 to 12/29/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	80	0	<4	1	1.2		3.8	5.9	6.4	6.8	8.6	10.3	12.4
	80	0	<5	1	1.2		3.8	5.9	6.4	6.8	8.6	10.3	12.4
pH (SU)	81	0	<6	0	0		6	6.9	7	7	7.1	7.3	7.8
	81	0	>9	0	0		6	6.9	7	7	7.1	7.3	7.8
Spec. conductance (umhos/cm at 25°C)	81	0	N/A				74	110	123	140	167	201	248
Water Temperature (°C)	81	0	>32	1	1.2		2.6	8.8	15.1	23.5	26.5	28.9	32.4
Other													
TSS (mg/L)	56	0	N/A				1.8	3.6	6.6	11.5	17.8	40.3	79
Turbidity (NTU)	56	0	>50	2	3.6		4	6.7	9.9	14.5	20.8	33.5	95
Nutrients (mg/L)													
NH3 as N	56	9	N/A				0.01	0.01	0.02	0.05	0.08	0.16	0.62
NO2 + NO3 as N	56	0	N/A				0.07	0.28	0.35	0.47	0.66	0.76	0.89
TKN as N	56	1	N/A				0.2	0.35	0.48	0.64	0.89	1	1.69
Total Phosphorus	56	0	N/A				0.03	0.08	0.09	0.12	0.15	0.19	0.45

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
56	60	6	10.7	

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV NR SR 1802 BRAXTON RD NR TICK BITE
Station #: J6340000 **Hydrologic Unit Code:** 03020202
Latitude: 35.33527 **Longitude:** -77.45702 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-(75.7)

Time period: 01/30/2006 to 09/29/2008

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	45	0	<4	1	2.2		1.4	5.2	5.8	6.4	8.2	9.7	10.1
	45	0	<5	2	4.4		1.4	5.2	5.8	6.4	8.2	9.7	10.1
pH (SU)	45	0	<6	0	0		6.4	6.5	6.8	7	7.2	7.4	7.8
	45	0	>9	0	0		6.4	6.5	6.8	7	7.2	7.4	7.8
Spec. conductance (umhos/cm at 25°C)	45	0	N/A				90	97	127	161	205	241	278
Water Temperature (°C)	45	0	>32	0	0		7.7	8.8	14.7	23	26.7	28.2	31.4
Other													
TSS (mg/L)	32	0	N/A				1.7	2.9	8.2	14.5	25.8	38.7	104
Turbidity (NTU)	32	0	>50	1	3.1		3.4	5.9	12	17	28	37.4	55
Nutrients (mg/L)													
NH3 as N	32	7	N/A				0.01	0.01	0.03	0.04	0.06	0.13	0.47
NO2 + NO3 as N	32	0	N/A				0.11	0.24	0.35	0.41	0.5	0.74	0.79
TKN as N	32	2	N/A				0.2	0.22	0.33	0.56	0.63	0.9	1.27
Total Phosphorus	32	0	N/A				0.07	0.08	0.09	0.12	0.15	0.18	0.5
Metals (ug/L)													
Aluminum, total (Al)	15	0	N/A				266	276	555	767	960	1385	1573
Arsenic, total (As)	15	15	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	15	15	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	15	15	>50	0	0		2	4	5	5	5	5	5
Copper, total (Cu)	15	5	>7	0	0		2	2	2	2	3	4	5
Iron, total (Fe)	15	0	>1000	14	93.3	> 99.9	811	960	1297	1618	1760	2000	2160
Lead, total (Pb)	15	15	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	15	15	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	15	15	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	15	6	>50	1	6.7		10	10	10	10	14	238	534
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
32	61.1	4	12.5										

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE CRK AT NC 97 AT ZEBULON
Station #: J6410000
Latitude: 35.82786 **Longitude:** -78.30247
Agency: LNBA

Hydrologic Unit Code: 03020203
Stream class: C NSW
NC stream index: 27-86-2-4

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	81	0	<4	7	8.6		1.2	4	5.1	6.4	8.7	10.5	11.6
	81	0	<5	19	23.5	> 99.9	1.2	4	5.1	6.4	8.7	10.5	11.6
pH (SU)	81	0	<6	2	2.5		5.4	6.2	6.4	6.6	6.7	6.9	7.5
	81	0	>9	0	0		5.4	6.2	6.4	6.6	6.7	6.9	7.5
Spec. conductance (umhos/cm at 25°C)	81	0	N/A				62	82	93	106	125	132	180
Water Temperature (°C)	81	0	>32	0	0		3	6.9	12.2	19.3	21.9	23.5	25.6
Other													
TSS (mg/L)	53	1	N/A				1.5	3.4	4.2	6.2	9.4	24.6	99
Turbidity (NTU)	53	0	>50	0	0		1.4	6.2	7.1	9	13.5	18.2	45
Nutrients (mg/L)													
NH3 as N	53	7	N/A				0.01	0.01	0.02	0.05	0.12	0.17	0.53
NO2 + NO3 as N	53	5	N/A				0.01	0.02	0.09	0.26	0.56	0.96	1.54
TKN as N	53	2	N/A				0.2	0.36	0.53	0.68	0.86	1.23	1.52
Total Phosphorus	53	1	N/A				0.04	0.05	0.07	0.1	0.16	0.31	0.82

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
53	104.7	5	9.4	

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE CRK AT NC 39 AT ZEBULON
Station #: J6450000
Latitude: 35.81250 **Longitude:** -78.26810
Agency: LNBA

Hydrologic Unit Code: 03020203
Stream class: C NSW
NC stream index: 27-86-2-4

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.6	5.3	5.9	6.6	9.2	10.6	12.1
	85	0	<5	5	5.9		4.6	5.3	5.9	6.6	9.2	10.6	12.1
pH (SU)	85	0	<6	0	0		6	6.6	6.7	6.8	7	7.1	7.3
	85	0	>9	0	0		6	6.6	6.7	6.8	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				93	118	131	161	308	504	637
Water Temperature (°C)	85	0	>32	0	0		3.3	5.9	11.9	20.1	23.1	25.4	28
Other													
TSS (mg/L)	60	2	N/A				1.9	2.7	4	5	8.2	11.9	23
Turbidity (NTU)	60	0	>50	0	0		4.1	5	5.7	9	13.8	17.8	38
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.07	0.11	0.24	0.79
NO2 + NO3 as N	60	3	N/A				0.01	0.12	0.27	0.47	0.96	1.46	2.02
TKN as N	60	1	N/A				0.2	0.42	0.55	0.7	0.96	1.28	1.69
Total Phosphorus	60	1	N/A				0.02	0.06	0.08	0.12	0.24	0.35	11.76

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
60	75.2	8	13.3

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: MOCCASIN CRK AT SR 1131 ANTIOC CHURCH RD NR CONNER
Station #: J6500000 **Hydrologic Unit Code:** 03020203
Latitude: 35.73010 **Longitude:** -78.18950 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-86-2

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	11	12.9	86	2	3.7	4.8	6.1	8.7	10.5	11.8
	85	0	<5	23	27.1	>99.9	2	3.7	4.8	6.1	8.7	10.5	11.8
pH (SU)	85	0	<6	0	0		6	6.4	6.6	6.7	6.9	7.1	7.5
	85	0	>9	0	0		6	6.4	6.6	6.7	6.9	7.1	7.5
Spec. conductance (umhos/cm at 25°C)	85	2	N/A				50	74	86	102	120	144	183
Water Temperature (°C)	85	0	>32	0	0		3.1	5.8	11.9	20.1	23.2	24.8	27.4
Other													
TSS (mg/L)	60	3	N/A				1.4	2.2	2.8	4.7	7.9	13	72
Turbidity (NTU)	60	1	>50	3	5		1	4	7	8.6	16	24.5	70
Nutrients (mg/L)													
NH3 as N	60	15	N/A				0.01	0.01	0.01	0.04	0.1	0.17	0.25
NO2 + NO3 as N	60	10	N/A				0.01	0.01	0.04	0.11	0.17	0.23	1.48
TKN as N	60	1	N/A				0.2	0.35	0.49	0.66	0.93	1.36	2.14
Total Phosphorus	60	1	N/A				0.02	0.04	0.07	0.1	0.14	0.51	2.92

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	104.4	6	10	

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: TURKEY CRK AT SR 1101 CLAUDE LEWIS RD NR MIDDLESEX
Station #: J6680000 **Hydrologic Unit Code:** 03020203
Latitude: 35.75190 **Longitude:** -78.15970 **Stream class:** C NSW
Agency: LNBA **NC stream index:** 27-86-3-(1)

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	20	23.5	> 99.9	1.5	2.9	4	5.7	8.5	10.3	11.7
	85	0	<5	30	35.3	> 99.9	1.5	2.9	4	5.7	8.5	10.3	11.7
pH (SU)	85	0	<6	2	2.4		5.4	6.4	6.5	6.6	6.7	6.8	7.1
	85	0	>9	0	0		5.4	6.4	6.5	6.6	6.7	6.8	7.1
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	63	76	97	124	153	192
Water Temperature (°C)	85	0	>32	0	0		3	5.9	12.2	20.8	24	26.2	28.7
Other													
TSS (mg/L)	60	1	N/A				1.3	2.7	3.5	5	7.5	13.9	33
Turbidity (NTU)	60	0	>50	1	1.7		3.6	6.5	7.6	9.3	15	26.6	65
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.02	0.05	0.1	0.22	0.85
NO2 + NO3 as N	60	16	N/A				0.01	0.01	0.01	0.04	0.12	0.19	0.3
TKN as N	60	1	N/A				0.2	0.4	0.52	0.8	1.09	1.32	2.01
Total Phosphorus	60	0	N/A				0.03	0.05	0.06	0.08	0.1	0.17	0.66

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
60	70.6	7	11.7

Key:

result: number of observations
 # ND: number of observations reported to be below detection level (non-detect)
 EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
 Results not meeting EL: number and percentages of observations not meeting evaluation level
 %Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
 Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: CONTENTNEA CRK AT US 301 WARD BLVD NR DIXIE

Station #: J6764000

Hydrologic Unit Code: 03020203

Latitude: 35.68790

Longitude: -77.94770

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-86-(7)

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				4.2	5.9	6.5	7.4	9.5	10.8	12.7
pH (SU)	85	0	<4.3	0	0		5.7	6.7	6.8	6.9	7	7.1	7.6
	85	0	>9	0	0		5.7	6.7	6.8	6.9	7	7.1	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				60	67	74	106	120	139	217
Water Temperature (°C)	85	0	>32	1	1.2		3.9	6.5	12.7	22.1	25.1	27.9	32.9
Other													
TSS (mg/L)	60	1	N/A				1	3.5	3.9	4.6	6.2	7.5	278
Turbidity (NTU)	60	0	>50	0	0		3.4	4.8	5.9	7.9	13	20	38
Nutrients (mg/L)													
NH3 as N	60	14	N/A				0.01	0.01	0.01	0.04	0.08	0.12	0.23
NO2 + NO3 as N	60	16	N/A				0.01	0.01	0.01	0.09	0.22	0.35	0.61
TKN as N	60	1	N/A				0.2	0.42	0.58	0.7	1	1.32	2.06
Total Phosphorus	60	0	N/A				0.02	0.04	0.06	0.07	0.1	0.22	0.83
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	38.4	3	5										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: CONTENTNEA CRK AT SR 1622 EVANSDALE RD NR WILSON

Station #: J6890000

Hydrologic Unit Code: 03020203

Latitude: 35.64290

Longitude: -77.89020

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-86-(7)

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				3.1	5.1	6.2	6.8	9	10.3	12.6
pH (SU)	85	0	<4.3	0	0		5.7	6.7	6.8	6.9	7	7.2	7.5
	85	0	>9	0	0		5.7	6.7	6.8	6.9	7	7.2	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				87	113	128	150	177	318	473
Water Temperature (°C)	85	0	>32	0	0		4.1	6.9	12.8	21.3	25	27.3	30.1
Other													
TSS (mg/L)	60	1	N/A				2.6	3.6	4.7	7.1	12	17	73
Turbidity (NTU)	60	0	>50	0	0		4	5.2	7.4	10	21	25	50
Nutrients (mg/L)													
NH3 as N	60	4	N/A				0.01	0.02	0.06	0.11	0.24	0.34	1.42
NO2 + NO3 as N	60	0	N/A				0.18	0.26	0.41	0.55	0.95	1.79	4.66
TKN as N	60	1	N/A				0.2	0.51	0.63	0.87	1.1	1.49	2.85
Total Phosphorus	60	1	N/A				0.02	0.07	0.09	0.17	0.36	0.82	1.29
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	117.2	16	26.7	92.3									

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: CONTENTNEA CRK AT NC 58 NR STANTONSBURG

Station #: J7210000

Hydrologic Unit Code: 03020203

Latitude: 35.58610

Longitude: -77.81110

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-86-(7)

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				4.2	5.4	6.3	6.7	9.4	10.7	12.9
pH (SU)	85	0	<4.3	0	0		6.2	6.8	6.9	7	7.1	7.1	8.1
	85	0	>9	0	0		6.2	6.8	6.9	7	7.1	7.1	8.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				86	98	114	128	156	238	388
Water Temperature (°C)	85	0	>32	0	0		4.5	7.4	13.1	21.7	25	26.8	30.1
Other													
TSS (mg/L)	60	3	N/A				1.3	2	3.2	4.5	6.6	13	25
Turbidity (NTU)	60	1	>50	0	0		1	4.2	5.1	8	11.8	17.9	39
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.01	0.01	0.03	0.08	0.12	0.15	0.83
NO2 + NO3 as N	60	0	N/A				0.12	0.18	0.28	0.4	0.56	0.82	2.89
TKN as N	60	0	N/A				0.26	0.47	0.56	0.74	0.96	1.37	2.33
Total Phosphorus	60	0	N/A				0.05	0.06	0.08	0.14	0.28	0.55	0.74
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	98.2	8	13.3										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: TOISNOT SWAMP AT SR 1539 SAND PIT RD NR STANTONSBURG

Station #: J7240000

Hydrologic Unit Code: 03020203

Latitude: 35.59760

Longitude: -77.79470

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-86-11-(5)

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				1.5	4.1	5.4	6.1	8.4	10.2	12.3
pH (SU)	85	0	<4.3	0	0		4.8	6.4	6.5	6.7	6.8	6.8	7.1
	85	0	>9	0	0		4.8	6.4	6.5	6.7	6.8	6.8	7.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				60	79	92	112	138	169	225
Water Temperature (°C)	85	0	>32	0	0		3.9	7.1	12.9	20.6	23.8	25.1	27.2
Other													
TSS (mg/L)	60	3	N/A				1.2	2.4	3.1	4.9	8.3	12	26
Turbidity (NTU)	60	0	>50	0	0		3.3	5.9	8.2	10.5	14	24.8	45
Nutrients (mg/L)													
NH3 as N	60	5	N/A				0.01	0.01	0.02	0.05	0.11	0.17	0.59
NO2 + NO3 as N	60	2	N/A				0.01	0.02	0.08	0.16	0.25	0.5	0.84
TKN as N	60	1	N/A				0.2	0.42	0.62	0.81	1.01	1.28	6.91
Total Phosphorus	60	1	N/A				0.02	0.06	0.08	0.12	0.17	0.24	0.56
Fecal Coliform Screening(#/100mL)													
# results:	60												
Geomean	101.6												
# > 400:		10											
% > 400: %Conf:			16.7										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NAHUNTA SWAMP AT NC 58 NR CONTENTNEA

Station #: J7325000

Hydrologic Unit Code: 03020203

Latitude: 35.50810

Longitude: -77.74550

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-86-14

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				5.2	6.2	6.5	7.3	8.9	10.6	12.8
pH (SU)	85	0	<4.3	0	0		5.7	6.6	6.8	6.9	7	7.1	7.3
	85	0	>9	0	0		5.7	6.6	6.8	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				85	95	102	116	133	149	178
Water Temperature (°C)	85	0	>32	0	0		4.8	8.1	13.9	21.2	24.5	26.1	27.7
Other													
TSS (mg/L)	60	3	N/A				1.5	2.6	3.2	5	7.9	13.9	26
Turbidity (NTU)	60	1	>50	0	0		1	4.5	5.3	7.2	13	20.7	36
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.03	0.08	0.14	0.19	0.47
NO2 + NO3 as N	60	0	N/A				0.21	0.31	0.39	0.51	0.71	0.95	1.38
TKN as N	60	3	N/A				0.2	0.3	0.51	0.67	0.98	1.46	2.64
Total Phosphorus	60	1	N/A				0.02	0.07	0.1	0.16	0.24	0.34	0.79
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	71.6	3	5										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: CONTENTNEA CRK AT US 13 AT SNOW HILL

Station #: J7330000

Hydrologic Unit Code: 03020203

Latitude: 35.45850

Longitude: -77.67530

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-86-(7)

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				2.4	5.7	6.2	6.8	8.7	10.3	12.9
pH (SU)	85	0	<4.3	0	0		6	6.6	6.8	6.9	7	7.1	7.3
	85	0	>9	0	0		6	6.6	6.8	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				80	100	120	133	152	171	234
Water Temperature (°C)	85	0	>32	0	0		4.9	8.3	14	22	25.3	27.2	29.4
Other													
TSS (mg/L)	60	3	N/A				1.2	2	3.1	5.1	7.1	10.9	16
Turbidity (NTU)	60	1	>50	0	0		1	4.8	5.8	7.5	11.8	17.9	39
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.01	0.01	0.03	0.07	0.12	0.15	0.27
NO2 + NO3 as N	60	0	N/A				0.17	0.39	0.52	0.62	0.82	1.01	1.37
TKN as N	60	3	N/A				0.2	0.25	0.51	0.63	0.97	1.26	3.46
Total Phosphorus	60	0	N/A				0.04	0.06	0.09	0.14	0.18	0.25	0.56
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	60.3	4	6.7										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE CONTENTNEA CRK AT SR 1218 CHINQUAPIN RD NR FARMVILLE
Station #: J7690000 **Hydrologic Unit Code:** 03020203
Latitude: 35.58810 **Longitude:** -77.54160 **Stream class:** C Sw NSW
Agency: LNBA **NC stream index:** 27-86-26

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				0.5	2.4	4.2	5.5	7.7	9.7	11
pH (SU)	85	0	<4.3	0	0		5.9	6.2	6.4	6.5	6.7	6.9	7.4
	85	0	>9	0	0		5.9	6.2	6.4	6.5	6.7	6.9	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				79	96	140	172	218	357	775
Water Temperature (°C)	85	0	>32	0	0		4.5	7.5	13.6	21.1	24.2	25.8	26.9
Other													
TSS (mg/L)	60	1	N/A				1.3	2.8	3.7	5	7.5	8.5	15
Turbidity (NTU)	60	0	>50	0	0		3	4.8	6.4	8.6	12	15	25
Nutrients (mg/L)													
NH3 as N	60	2	N/A				0.01	0.04	0.11	0.24	0.43	0.61	0.81
NO2 + NO3 as N	60	5	N/A				0.01	0.08	0.2	0.4	0.65	3.6	9.6
TKN as N	60	0	N/A				0.39	0.62	0.87	1.13	1.51	2.04	2.43
Total Phosphorus	60	0	N/A				0.05	0.09	0.15	0.28	0.45	0.92	2.5
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	140.4	11	18.3										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: LITTLE CONTENTNEA CRK AT NC 903 SR 1110 AT SCUFFLETON
Station #: J7740000 **Hydrologic Unit Code:** 03020203
Latitude: 35.45670 **Longitude:** -77.48540 **Stream class:** C Sw NSW
Agency: LNBA **NC stream index:** 27-86-26

Time period: 01/13/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	N/A				3.6	5.1	5.6	6.4	8.2	10.1	12.5
pH (SU)	85	0	<4.3	0	0		6	6.6	6.7	6.9	7	7.1	7.3
	85	0	>9	0	0		6	6.6	6.7	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				80	110	137	163	185	201	235
Water Temperature (°C)	85	0	>32	0	0		5.2	8.1	14	21.8	25.3	26.7	28.6
Other													
TSS (mg/L)	60	2	N/A				1	1.5	2	3.3	5.3	7.9	21
Turbidity (NTU)	60	1	>50	0	0		1	3.5	5	6.1	10.8	13.9	29
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.02	0.06	0.12	0.19	0.59
NO2 + NO3 as N	60	5	N/A				0.01	0.01	0.12	0.31	0.61	0.88	1.56
TKN as N	60	3	N/A				0.2	0.32	0.57	0.75	1.03	1.26	1.97
Total Phosphorus	60	0	N/A				0.06	0.09	0.16	0.21	0.3	0.39	7.34
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
60	104.8	8	13.3										

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: NEUSE RIV AT SR 1470 NR FORT BARNWELL

Station #: J7850000

Hydrologic Unit Code: 03020202

Latitude: 35.31389

Longitude: -77.30302

Stream class: C Sw NSW

Agency: LNBA

NC stream index: 27-(85)

Time period: 01/30/2006 to 12/29/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	N/A				3.9	5.6	6.3	6.9	8.6	10.2	12.4
pH (SU)	85	0	<4.3	0	0		6	6.8	6.9	7	7.2	7.4	8
	85	0	>9	0	0		6	6.8	6.9	7	7.2	7.4	8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				74	110	131	149	169	191	227
Water Temperature (°C)	85	0	>32	1	1.2		2.7	8.6	14.3	23.3	26.8	29	32.4
Other													
Chlorophyll a (ug/L)	42	2	>40	0	0		1	1	2	3	5	7	16
TSS (mg/L)	60	3	N/A				1.5	2.2	3	4	6.2	10.8	20
Turbidity (NTU)	60	0	>50	0	0		3.4	4.7	6.2	8.1	11.5	16.9	32
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.03	0.06	0.12	0.16	1.15
NO2 + NO3 as N	60	0	N/A				0.07	0.3	0.44	0.56	0.68	0.88	1.28
TKN as N	60	1	N/A				0.2	0.32	0.48	0.68	0.83	1.12	1.66
Total Phosphorus	60	1	N/A				0.02	0.07	0.09	0.12	0.18	0.21	0.35

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	62.7	3	5	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf: States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: TRENT RIV AT E FRONT STREET AT NEW BERN

Station #: J8870000

Hydrologic Unit Code: 03020204

Latitude: 35.10159

Longitude: -77.03708

Stream class: SB Sw NSW

Agency: LNBA

NC stream index: 27-101-(39)

Time period: 01/05/2006 to 12/29/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	N/A				2.7	5	6.2	7	8.7	10.8	12.9
pH (SU)	85	0	<4.3	0	0		5.8	6.6	6.8	7.1	7.4	7.7	9.3
	85	0	>8.5	2	2.4		5.8	6.6	6.8	7.1	7.4	7.7	9.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				103	315	1788	4972	10194	15127	18032
Water Temperature (°C)	85	0	>32	0	0		2.5	8.1	13.8	23.2	26.8	29.9	31.3
Other													
Chlorophyll a (ug/L)	41	2	>40	4	9.8		1	1	9	17	28	45	49
TSS (mg/L)	60	1	N/A				1	2.2	4.1	6.6	8.8	11.9	19
Turbidity (NTU)	60	0	>25	1	1.7		1.1	2.9	4	5.4	7.5	10.9	32
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.03	0.06	0.12	0.16	0.26
NO2 + NO3 as N	60	12	N/A				0.01	0.01	0.04	0.25	0.38	0.61	0.89
TKN as N	60	0	N/A				0.3	0.66	0.84	1.08	1.26	1.58	3.76
Total Phosphorus	60	2	N/A				0.02	0.06	0.09	0.12	0.18	0.25	0.61

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	67.4	4	6.7	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf: States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence

Ambient Monitoring System Station
 NCDENR, Division of Water Quality
 Basinwide Assessment

Location: SLOCUM CRK AT SLOCUM RD AT CHERRY POINT

Station #: J9330000

Hydrologic Unit Code: 03020204

Latitude: 34.91770

Longitude: -76.91150

Stream class: SC Sw NSW

Agency: LNBA

NC stream index: 27-112

Time period: 01/05/2006 to 12/29/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	83	0	N/A				3.8	5.5	6.1	7	8.6	10.5	12.2
pH (SU)	84	0	<4.3	0	0		5.8	6.7	6.8	7.2	7.4	7.9	8.3
	84	0	>8.5	0	0		5.8	6.7	6.8	7.2	7.4	7.9	8.3
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				89	516	2154	6885	11262	15106	21080
Water Temperature (°C)	84	0	>32	1	1.2		4.1	8	14.2	23.7	27.1	30.4	32.2
Other													
Chlorophyll a (ug/L)	40	2	>40	10	25	> 99.9	1	1	9	19	41	62	122
TSS (mg/L)	59	1	N/A				1	3.5	5.5	10	15	20	33
Turbidity (NTU)	59	0	>25	0	0		2.5	4.8	5.7	7	8.8	12	15
Nutrients (mg/L)													
NH3 as N	59	14	N/A				0.01	0.01	0.01	0.05	0.08	0.13	0.17
NO2 + NO3 as N	59	23	N/A				0.01	0.01	0.01	0.03	0.09	0.17	0.81
TKN as N	59	0	N/A				0.3	0.71	0.89	1.11	1.45	1.77	2.56
Total Phosphorus	59	0	N/A				0.03	0.06	0.08	0.11	0.15	0.24	0.7

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
59	51.3	5	8.5	

Key:

result: number of observations

ND: number of observations reported to be below detection level (non-detect)

EL: Evaluation Level; applicable numeric or narrative water quality standard or action level

Results not meeting EL: number and percentages of observations not meeting evaluation level

%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)

Stations with less than 10 results for a given parameter were not evaluated for statistical confidence