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

Location: HAW RIV AT US 29 BUS NR BENAJA
Station #: B0050000 **Hydrologic Unit Code:** 03030002
Latitude: 36.26517 **Longitude:** -79.65226 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 01/05/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	2	2.4		3.4	5.4	6.2	7.4	8.6	10.8	13.3
	85	0	<5	5	5.9		3.4	5.4	6.2	7.4	8.6	10.8	13.3
pH (SU)	85	0	<6	3	3.5		5.5	6.1	6.5	6.9	7.1	7.3	7.8
	85	0	>9	0	0		5.5	6.1	6.5	6.9	7.1	7.3	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				52	70	81	100	111	120	167
Water Temperature (°C)	85	0	>32	0	0		2.8	7.1	11.7	19.8	24.4	26.2	28.2
Other													
TSS (mg/L)	60	2	N/A				1	2	3	4	8	14	22
Turbidity (NTU)	60	0	>50	3	5		3.5	6.5	8.7	11	18.1	35.8	59.7
Nutrients (mg/L)													
NH3 as N	60	33	N/A				0.02	0.02	0.02	0.02	0.03	0.06	0.12
NO2 + NO3 as N	60	5	N/A				0.02	0.02	0.05	0.11	0.18	0.25	0.56
TKN as N	60	15	N/A				0.18	0.2	0.2	0.28	0.41	0.62	1.15
Total Phosphorus	52	7	N/A				0.02	0.02	0.03	0.04	0.05	0.08	0.1
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				150	150	160	308	1080	1110	1110
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	6	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	6	0	>1000	6	100		1460	1460	1632	2340	2482	2550	2550
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	5	>50	0	0		10	10	10	10	12	16	16

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	120.8	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: TROUBLESOME CRK AT US 29 BUS NR REIDSVILLE
Station #: B0070010 **Hydrologic Unit Code:** 03030002
Latitude: 36.27680 **Longitude:** -79.64993 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-6-(3)

Time period: 01/05/2006 to 12/02/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	60	0	<4	12	20	> 99.9	2.5	3.1	5.6	7.8	9.8	11	12.5
	60	0	<5	13	21.7	> 99.9	2.5	3.1	5.6	7.8	9.8	11	12.5
pH (SU)	60	0	<6	4	6.7		5.7	6.1	6.5	6.8	7.1	7.3	7.7
	60	0	>9	0	0		5.7	6.1	6.5	6.8	7.1	7.3	7.7
Spec. conductance (umhos/cm at 25°C)	60	0	N/A				48	61	66	74	128	142	288
Water Temperature (°C)	60	0	>32	1	1.7		4.8	6.6	9.9	17.1	23.5	25.6	32.8
Other													
TSS (mg/L)	60	2	N/A				1	2	4	6	9	17.9	46
Turbidity (NTU)	60	0	>50	4	6.7		1.4	3.8	5.3	7	9.8	31.6	77.5
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.02	0.03	0.08	0.15	0.28	0.97
NO2 + NO3 as N	60	6	N/A				0.02	0.02	0.05	0.08	0.16	0.22	0.42
TKN as N	60	8	N/A				0.2	0.2	0.3	0.41	0.54	0.7	2.47
Total Phosphorus	52	25	N/A				0.02	0.02	0.02	0.02	0.03	0.05	0.2

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
59	31.3	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

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

Location: HAW RIV AT SR 2620 HIGH ROCK RD NR WILLIAMSBURG
Station #: B0170000 **Hydrologic Unit Code:** 03030002
Latitude: 36.25143 **Longitude:** -79.56475 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 01/05/2006 to 12/02/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		4.3	5.7	6.5	7.6	9.1	11	13.7
	85	0	<5	1	1.2		4.3	5.7	6.5	7.6	9.1	11	13.7
pH (SU)	85	0	<6	2	2.4		5.5	6.3	6.8	7.1	7.2	7.4	7.6
	85	0	>9	0	0		5.5	6.3	6.8	7.1	7.2	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				60	82	116	149	296	500	740
Water Temperature (°C)	85	0	>32	0	0		3.3	7.4	11.2	20.2	24.6	26	27.8
Other													
TSS (mg/L)	60	3	N/A				1	1.1	2	4	12	33.5	242
Turbidity (NTU)	60	0	>50	9	15	92.7	2.7	4.5	6.4	8.8	20	66.9	206
Nutrients (mg/L)													
NH3 as N	60	23	N/A				0.02	0.02	0.02	0.04	0.05	0.1	0.21
NO2 + NO3 as N	60	1	N/A				0.02	0.09	0.16	0.24	0.34	0.48	0.75
TKN as N	60	7	N/A				0.2	0.2	0.3	0.4	0.54	0.76	1.64
Total Phosphorus	52	0	N/A				0.03	0.04	0.05	0.06	0.1	0.19	0.29
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				85	85	90	133	1464	5380	5380
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	6	10	10
Copper, total (Cu)	6	4	>7	0	0		2	2	2	2	4	5	5
Iron, total (Fe)	6	0	>1000	4	66.7		620	620	852	1190	3058	8420	8420
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	3	>50	0	0		10	10	10	10	17	33	33

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	121.4	12	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)
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Ambient Monitoring System Station
NCDENR, Division of Water Quality
Basinwide Assessment

Location: REEDY FORK AT SR 2719 HIGH ROCK RD NR MONTICELLO
Station #: B0400000 **Hydrologic Unit Code:** 03030002
Latitude: 36.17780 **Longitude:** -79.61772 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-11-(9)

Time period: 01/06/2006 to 12/08/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	60	0	<4	0	0		5.3	6	6.9	9.1	10.5	12.2	13
	60	0	<5	0	0		5.3	6	6.9	9.1	10.5	12.2	13
pH (SU)	60	0	<6	0	0		6.2	6.3	6.7	7	7.2	7.4	7.7
	60	0	>9	0	0		6.2	6.3	6.7	7	7.2	7.4	7.7
Spec. conductance (umhos/cm at 25°C)	60	0	N/A				70	80	93	101	111	119	153
Water Temperature (°C)	60	0	>32	0	0		3.1	4.9	9.5	16.6	23.2	25.2	27.3
Other													
TSS (mg/L)	60	8	N/A				1	1	2	5	8.8	16.9	67
Turbidity (NTU)	60	0	>50	0	0		1.6	3.6	5.5	8.6	12.6	19.4	41.5
Nutrients (mg/L)													
NH3 as N	60	32	N/A				0.02	0.02	0.02	0.02	0.04	0.08	1.1
NO2 + NO3 as N	60	7	N/A				0.02	0.02	0.06	0.12	0.23	0.3	0.53
TKN as N	59	10	N/A				0.2	0.2	0.24	0.35	0.47	0.56	0.72
Total Phosphorus	52	17	N/A				0.02	0.02	0.02	0.03	0.04	0.06	0.45

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	50.6	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: N BUFFALO CRK AT N BUFFALO CRK WWTP INFLUENT CONDUIT PIER AT GREENSBORO

Station #: B0480050 **Hydrologic Unit Code:** 03030002
Latitude: 36.10740 **Longitude:** -79.75023 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-11-14-1

Time period: 01/06/2006 to 12/08/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4	5.6	6.4	7.3	9.8	11.8	13.9
	85	0	<5	2	2.4		4	5.6	6.4	7.3	9.8	11.8	13.9
pH (SU)	85	0	<6	0	0		6.1	6.7	6.9	7.2	7.4	7.6	8.4
	85	0	>9	0	0		6.1	6.7	6.9	7.2	7.4	7.6	8.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				47	120	172	225	254	283	724
Water Temperature (°C)	85	0	>32	0	0		1.2	7.1	13.4	20.2	24.4	26.3	27.4
Other													
TSS (mg/L)	60	8	N/A				1	1	1.2	2.8	4.8	8	97
Turbidity (NTU)	60	0	>50	1	1.7		1.9	2.7	3.3	4.5	8.4	14.7	84
Nutrients (mg/L)													
NH3 as N	60	23	N/A				0.02	0.02	0.02	0.04	0.08	0.14	0.29
NO2 + NO3 as N	60	2	N/A				0.02	0.12	0.24	0.38	0.52	0.7	1.04
TKN as N	60	12	N/A				0.18	0.2	0.22	0.35	0.52	0.79	2.5
Total Phosphorus	52	2	N/A				0.02	0.03	0.04	0.05	0.07	0.09	0.16
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	54	82	1248	4540	4540
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	6	8	8
Copper, total (Cu)	6	1	>7	1	16.7		2	2	2	3	6	13	13
Iron, total (Fe)	6	0	>1000	1	16.7		537	537	590	696	1825	4880	4880
Lead, total (Pb)	6	5	>25	0	0		10	10	10	10	12	16	16
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	2	>50	1	16.7		10	10	10	14	34	74	74

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	264.7	20	33.3	99.5

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: N BUFFALO CRK AT SR 2770 HUFFINE MILL RD NR MCLEANSVILLE
Station #: B0540050 **Hydrologic Unit Code:** 03030002
Latitude: 36.12998 **Longitude:** -79.66260 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-11-14-1

Time period: 01/06/2006 to 12/08/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.7	7.1	8.2	10.1	11.9	13.9
	85	0	<5	0	0		5.9	6.7	7.1	8.2	10.1	11.9	13.9
pH (SU)	85	0	<6	0	0		6	6.8	7	7.2	7.4	7.5	8.4
	85	0	>9	0	0		6	6.8	7	7.2	7.4	7.5	8.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				115	162	244	332	364	404	628
Water Temperature (°C)	85	0	>32	0	0		2.7	8.4	13.6	20.4	24.2	26.5	27.6
Other													
TSS (mg/L)	60	14	N/A				1	1	1	2.5	5	13.9	34
Turbidity (NTU)	60	0	>50	0	0		1	1.6	2.3	3.1	8.8	18.1	46
Nutrients (mg/L)													
NH3 as N	59	10	N/A				0.02	0.02	0.02	0.06	0.1	0.17	1.34
NO2 + NO3 as N	60	0	N/A				0.2	1.63	3.34	7.38	11.32	13.95	17.4
TKN as N	59	12	N/A				0.2	0.2	0.23	0.47	0.67	0.86	2.07
Total Phosphorus	52	0	N/A				0.08	0.13	0.19	0.29	0.5	0.67	1.57
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	78	88	127	172	172
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	0	>7	0	0		4	4	5	6	6	7	7
Iron, total (Fe)	6	0	>1000	0	0		120	120	166	231	271	289	289
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	1	16.7		20	20	33	41	47	58	58

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	202	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: S BUFFALO CRK AT SR 3000 MCCONNELL RD NR GREENSBORO
Station #: B0670000 **Hydrologic Unit Code:** 03030002
Latitude: 36.05978 **Longitude:** -79.72556 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-11-14-2

Time period: 01/06/2006 to 12/08/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		5.3	6.3	7	8.6	10.2	11.7	13.5
	85	0	<5	0	0		5.3	6.3	7	8.6	10.2	11.7	13.5
pH (SU)	85	0	<6	0	0		6.2	6.7	7	7.3	7.5	7.9	8.3
	85	0	>9	0	0		6.2	6.7	7	7.3	7.5	7.9	8.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				64	126	166	231	265	298	594
Water Temperature (°C)	85	0	>32	0	0		0.8	7.6	13.6	20.7	24.9	27.7	29.1
Other													
TSS (mg/L)	60	16	N/A				1	1	1	3	8.8	54.9	288
Turbidity (NTU)	60	0	>50	5	8.3		1.6	2.4	3.3	6	17.1	47.4	324
Nutrients (mg/L)													
NH3 as N	60	23	N/A				0.02	0.02	0.02	0.03	0.08	0.12	0.26
NO2 + NO3 as N	60	4	N/A				0.02	0.03	0.14	0.28	0.47	0.69	1.74
TKN as N	60	9	N/A				0.2	0.2	0.27	0.41	0.54	0.87	1.72
Total Phosphorus	52	1	N/A				0.02	0.03	0.04	0.05	0.08	0.18	0.39
Metals (ug/L)													
Aluminum, total (Al)	6	2	N/A				50	50	50	179	2462	6820	6820
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	3	>50	0	0		5	5	5	6	16	17	17
Copper, total (Cu)	6	3	>7	2	33.3		2	2	2	2	20	25	25
Iron, total (Fe)	6	0	>1000	4	66.7		454	454	694	1110	2862	7790	7790
Lead, total (Pb)	6	4	>25	1	16.7		10	10	10	10	22	34	34
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	3	>50	1	16.7		10	10	10	12	56	115	115

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	219.1	17	28.3	95.7

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: S BUFFALO CRK AT SR 2821 AT MCLEANSVILLE
Station #: B0750000 **Hydrologic Unit Code:** 03030002
Latitude: 36.11278 **Longitude:** -79.67181 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-11-14-2

Time period: 01/06/2006 to 04/12/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	72	0	<4	0	0		5.8	6.1	6.5	7.2	8.7	10.2	11.3
	72	0	<5	0	0		5.8	6.1	6.5	7.2	8.7	10.2	11.3
pH (SU)	72	0	<6	0	0		6.3	7	7.3	7.5	7.7	7.8	7.9
	72	0	>9	0	0		6.3	7	7.3	7.5	7.7	7.8	7.9
Spec. conductance (umhos/cm at 25°C)	72	0	N/A				156	403	562	694	830	976	1126
Water Temperature (°C)	72	0	>32	0	0		8.7	12.5	16.8	22.2	26.4	27.7	30
Other													
TSS (mg/L)	52	4	N/A				1	1	2	4	8	25.6	57
Turbidity (NTU)	52	0	>50	0	0		1.2	1.9	2.5	4.1	8.9	21.6	49.8
Nutrients (mg/L)													
NH3 as N	52	3	N/A				0.02	0.02	0.04	0.05	0.09	0.11	0.18
NO2 + NO3 as N	52	1	N/A				0.02	1.97	3.18	5.72	6.77	8.25	11.3
TKN as N	52	5	N/A				0.2	0.24	0.67	1.04	1.39	1.54	1.82
Total Phosphorus	44	0	N/A				0.14	0.22	0.26	0.36	0.61	0.98	4.66
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	63	99	128	155	155
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	5	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	3	>7	0	0		2	2	2	3	5	6	6
Iron, total (Fe)	6	0	>1000	0	0		160	160	196	300	461	469	469
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	1	>88	0	0		10	10	10	13	18	19	19
Zinc, total (Zn)	6	0	>50	4	66.7		17	17	30	60	81	87	87

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
52	253.7	16	30.8	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: HAW RIV AT SR 1530 GERRINGER MILL RD NR OSSIPEE
Station #: B0850000 **Hydrologic Unit Code:** 03030002
Latitude: 36.15314 **Longitude:** -79.48945 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 01/06/2006 to 04/12/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	72	0	<4	0	0		6.8	7.7	8.1	9.3	10.9	12.6	13.9
	72	0	<5	0	0		6.8	7.7	8.1	9.3	10.9	12.6	13.9
pH (SU)	72	0	<6	1	1.4		6	6.7	7.2	7.5	7.8	8.1	8.8
	72	0	>9	0	0		6	6.7	7.2	7.5	7.8	8.1	8.8
Spec. conductance (umhos/cm at 25°C)	72	0	N/A				68	117	192	266	427	631	736
Water Temperature (°C)	72	0	>32	0	0		3.4	6.9	11.9	19.4	24.1	26.4	28.1
Other													
TSS (mg/L)	52	3	N/A				1	1.3	2	4	9	24.7	62
Turbidity (NTU)	52	0	>50	1	1.9		1.8	2.7	4.4	7.4	13.5	30.5	83.4
Nutrients (mg/L)													
NH3 as N	52	23	N/A				0.02	0.02	0.02	0.02	0.05	0.07	0.25
NO2 + NO3 as N	52	0	N/A				0.16	0.39	0.84	1.43	2.6	4.8	6.68
TKN as N	52	3	N/A				0.2	0.27	0.4	0.55	0.72	0.86	1.45
Total Phosphorus	44	0	N/A				0.03	0.09	0.11	0.16	0.23	0.36	2.9
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	72	145	249	255	255
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	4	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	6	0	>1000	1	16.7		529	529	563	716	915	1190	1190
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Mercury, total (Hg)	6	1	>0.012	0	0		0.001	0.001	0.001	0.002	0.003	0.004	0.004
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	0	0		19	19	19	22	35	43	43

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
52	87.5	5	9.6	

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: HAW RIV AT SR 1700 AT HOPEDALE
Station #: B1020000 **Hydrologic Unit Code:** 03030002
Latitude: 36.12467 **Longitude:** -79.40834 **Stream class:** WS-V NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 05/13/2010 to 12/08/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	13	0	<4	0	0		7	7.2	7.7	8.4	9.3	13	13.9
	13	0	<5	0	0		7	7.2	7.7	8.4	9.3	13	13.9
pH (SU)	13	0	<6	0	0		6.9	7	7.4	7.6	7.9	8.2	8.3
	13	0	>9	0	0		6.9	7	7.4	7.6	7.9	8.2	8.3
Spec. conductance (umhos/cm at 25°C)	13	0	N/A				82	99	140	234	468	635	646
Water Temperature (°C)	13	0	>32	0	0		3.3	6.1	19.8	23.4	27	27.9	28.2
Other													
TSS (mg/L)	8	2	N/A				2.5	2.5	2.6	6	20.2	39	39
Turbidity (NTU)	8	0	>50	0	0		3.1	3.1	3.4	12.1	37	44	44
Nutrients (mg/L)													
NH3 as N	8	4	N/A				0.02	0.02	0.02	0.02	0.08	0.14	0.14
NO2 + NO3 as N	8	0	>10	0	0		0.11	0.11	0.42	2.04	2.69	8.48	8.48
TKN as N	8	0	N/A				0.44	0.44	0.51	0.65	0.73	0.89	0.89
Total Phosphorus	8	0	N/A				0.09	0.09	0.1	0.15	0.18	0.2	0.2

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
8	253.7	4	50	

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: HAW RIV AT NC 54 NR GRAHAM
Station #: B1200000 **Hydrologic Unit Code:** 03030002
Latitude: 36.04805 **Longitude:** -79.36668 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 01/06/2006 to 12/08/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.6	7.4	8.5	10.6	12.1	13
	85	0	<5	0	0		5.9	6.6	7.4	8.5	10.6	12.1	13
pH (SU)	85	0	<6	0	0		6.1	6.9	7.2	7.5	7.9	8.2	9.1
	85	0	>9	1	1.2		6.1	6.9	7.2	7.5	7.9	8.2	9.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				64	104	174	259	365	546	793
Water Temperature (°C)	85	0	>32	0	0		2.5	7.2	12.3	20.8	25.8	27.9	29.5
Other													
TSS (mg/L)	60	6	N/A				1	1	2	4	10.8	31.8	144
Turbidity (NTU)	60	0	>50	2	3.3		1.6	2.6	3.6	8.2	16.4	35.1	130
Nutrients (mg/L)													
NH3 as N	60	29	N/A				0.02	0.02	0.02	0.02	0.05	0.09	0.13
NO2 + NO3 as N	60	1	N/A				0.02	0.52	0.88	1.71	2.8	3.78	5.79
TKN as N	60	3	N/A				0.2	0.35	0.55	0.67	0.77	0.9	1.4
Total Phosphorus	52	0	N/A				0.04	0.08	0.1	0.14	0.23	0.36	2.69
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				51	51	66	150	396	670	670
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	4	>7	0	0		2	2	2	2	4	6	6
Iron, total (Fe)	6	0	>1000	1	16.7		380	380	432	770	1010	1260	1260
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	1	>50	1	16.7		10	10	14	18	36	76	76

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	121.6	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: MOADAMS CRK AT CORRIGDOR RD UPS OF DISCHARGE NR MEBANE
Station #: B1350000 **Hydrologic Unit Code:** 03030002
Latitude: 36.08852 **Longitude:** -79.28443 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-18-7

Time period: 01/06/2006 to 12/08/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		4.7	5.5	5.9	6.8	8.6	10.1	11.6
	84	0	<5	2	2.4		4.7	5.5	5.9	6.8	8.6	10.1	11.6
pH (SU)	84	0	<6	4	4.8		5.9	6.1	6.5	6.8	7.2	7.4	7.8
	84	0	>9	0	0		5.9	6.1	6.5	6.8	7.2	7.4	7.8
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				78	116	138	158	169	174	229
Water Temperature (°C)	84	0	>32	0	0		2.9	6.2	11	18.1	21.2	23.7	25.3
Other													
TSS (mg/L)	60	3	N/A				1	2	4	6	9.8	13.9	117
Turbidity (NTU)	60	0	>50	1	1.7		2	6.3	7.9	11.2	15.8	28.6	66.2
Nutrients (mg/L)													
Total Phosphorus	3	2	N/A				0.02	0.02	0.02	0.02	0.03	0.03	0.03
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				82	82	108	164	287	295	295
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	5	>7	0	0		2	2	2	2	2	3	3
Iron, total (Fe)	6	0	>1000	6	100		1050	1050	1132	1515	1602	1610	1610
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	6	>50	0	0		10	10	10	10	10	10	10

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	232.3	17	28.3	95.7

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: MOADAMS CRK AT SR 1940 GIBSON RD NR FLORENCE TOWN
Station #: B1380000 **Hydrologic Unit Code:** 03030002
Latitude: 36.08913 **Longitude:** -79.30747 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-18-7

Time period: 01/06/2006 to 12/08/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.5	6.8	7.9	10.1	12.1	13.4
	85	0	<5	0	0		5.9	6.5	6.8	7.9	10.1	12.1	13.4
pH (SU)	85	0	<6	0	0		6.4	6.8	7	7.2	7.3	7.4	8.4
	85	0	>9	0	0		6.4	6.8	7	7.2	7.3	7.4	8.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				132	231	288	340	420	479	613
Water Temperature (°C)	85	0	>32	0	0		1.8	6.3	11.8	19.2	22.9	25.3	27
Other													
TSS (mg/L)	60	4	N/A				1	2	4	5.5	9.8	13.9	38
Turbidity (NTU)	60	0	>50	2	3.3		3.9	4.5	7.2	9.4	15	27.8	62.6
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.02	0.02	0.05	0.08	0.12	0.18	4.39
NO2 + NO3 as N	60	1	N/A				0.02	0.81	1.43	2.36	5.03	7.11	16.5
TKN as N	60	4	N/A				0.2	0.23	0.6	0.72	0.85	1.19	4.72
Total Phosphorus	52	0	N/A				0.11	0.17	0.25	0.4	0.59	0.79	1.35
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	110	218	292	453	453
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	5	>7	0	0		2	2	2	2	3	5	5
Iron, total (Fe)	6	0	>1000	5	83.3		595	595	1109	1670	1768	1790	1790
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	0	0		19	19	20	22	29	36	36

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	142.5	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: HAW RIV AT SR 2158 SWEPSONVILLE RD NR SWEPSONVILLE
Station #: B1440000 **Hydrologic Unit Code:** 03030002
Latitude: 36.02562 **Longitude:** -79.36821 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 01/06/2006 to 12/08/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		6	7.1	7.6	8.9	10.8	12.3	13.2
	85	0	<5	0	0		6	7.1	7.6	8.9	10.8	12.3	13.2
pH (SU)	85	0	<6	0	0		6.1	6.9	7.3	7.6	8	8.4	9.3
	85	0	>9	1	1.2		6.1	6.9	7.3	7.6	8	8.4	9.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				70	121	174	261	368	525	771
Water Temperature (°C)	85	0	>32	0	0		2.5	7.2	12.3	20.9	25.5	27.8	29.5
Other													
TSS (mg/L)	60	5	N/A				1	2	3	4	9	25.9	123
Turbidity (NTU)	60	0	>50	3	5		2	2.3	3.5	8	17.1	33	110
Nutrients (mg/L)													
NH3 as N	60	29	N/A				0.02	0.02	0.02	0.02	0.05	0.07	0.14
NO2 + NO3 as N	60	1	N/A				0.02	0.55	0.85	1.66	2.53	4.06	5.01
TKN as N	60	3	N/A				0.2	0.35	0.51	0.67	0.8	0.96	1.31
Total Phosphorus	52	0	N/A				0.04	0.08	0.1	0.14	0.24	0.37	2.4
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				67	67	69	192	422	703	703
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	1	>7	0	0		2	2	2	4	5	6	6
Iron, total (Fe)	6	0	>1000	1	16.7		361	361	417	767	993	1250	1250
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	1	16.7		16	16	16	16	31	62	62

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	109.2	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: BIG ALAMANCE CRK AT NC 87 NR SWEPSONVILLE
Station #: B1940000 **Hydrologic Unit Code:** 03030002
Latitude: 36.02420 **Longitude:** -79.39430 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-19-(4.5)

Time period: 01/06/2006 to 12/08/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.9	5.5	6.1	7.4	9.7	11.6	12.5
	85	0	<5	2	2.4		4.9	5.5	6.1	7.4	9.7	11.6	12.5
pH (SU)	85	0	<6	0	0		6.2	6.5	6.8	7.1	7.3	7.4	7.9
	85	0	>9	0	0		6.2	6.5	6.8	7.1	7.3	7.4	7.9
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				67	100	112	131	148	163	207
Water Temperature (°C)	85	0	>32	0	0		1	5.8	10.9	19.9	24.3	26.6	28.1
Other													
TSS (mg/L)	60	4	N/A				1	2	3	5	10.8	19	62
Turbidity (NTU)	60	0	>50	3	5		2.1	3.7	4.9	8.8	17.5	29.7	71.6
Nutrients (mg/L)													
NH3 as N	60	31	N/A				0.02	0.02	0.02	0.02	0.04	0.07	0.25
NO2 + NO3 as N	60	4	N/A				0.02	0.02	0.08	0.19	0.27	0.38	1.29
TKN as N	60	9	N/A				0.2	0.2	0.26	0.36	0.52	0.76	1.07
Total Phosphorus	52	13	N/A				0.02	0.02	0.02	0.03	0.04	0.1	0.21
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				67	67	178	480	767	928	928
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	5	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	6	0	>1000	3	50		624	624	752	1094	1330	1510	1510
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	4	>50	0	0		10	10	10	10	12	13	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	152.6	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: BIG ALAMANCE CRK AT SR 2116 AT SWEPSONSVILLE
Station #: B1960000 **Hydrologic Unit Code:** 03030002
Latitude: 36.01774 **Longitude:** -79.36703 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-19-(4.5)

Time period: 01/06/2006 to 03/23/2009

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	54	0	<4	0	0		5.1	5.6	6.4	7	9.7	11.4	12
	54	0	<5	0	0		5.1	5.6	6.4	7	9.7	11.4	12
pH (SU)	54	0	<6	0	0		6.7	6.9	7	7.1	7.3	7.4	7.8
	54	0	>9	0	0		6.7	6.9	7	7.1	7.3	7.4	7.8
Spec. conductance (umhos/cm at 25°C)	54	0	N/A				101	138	176	270	547	712	1177
Water Temperature (°C)	54	0	>32	0	0		4.1	7	11.6	19	24.7	27	28
Other													
TSS (mg/L)	39	1	N/A				1	2	3	6	10	22	62
Turbidity (NTU)	39	0	>50	2	5.1		2.6	3.6	5.2	8.3	16.1	38.8	76
Nutrients (mg/L)													
NH3 as N	39	13	N/A				0.02	0.02	0.02	0.05	0.09	0.16	0.61
NO2 + NO3 as N	39	0	N/A				0.02	0.34	0.51	0.74	1.7	2.48	3.86
TKN as N	39	3	N/A				0.2	0.21	0.47	0.61	0.99	1.19	2.19
Total Phosphorus	39	0	N/A				0.02	0.06	0.1	0.18	0.33	0.55	0.83
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				118	118	131	514	927	1330	1330
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	3	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	6	0	>1000	4	66.7		397	397	540	1060	1328	1920	1920
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	2	>50	0	0		10	10	10	12	16	17	17

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
39	115.3	8	20.5	62.4

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: HAW RIV AT SR 1005 NR SAXAPAHAW
Station #: B2000000 **Hydrologic Unit Code:** 03030002
Latitude: 35.89528 **Longitude:** -79.25849 **Stream class:** C NSW
Agency: UCFRBA **NC stream index:** 16-(1)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	59	0	<4	0	0		5.8	6.7	7.8	9	11.2	13.5	14.7
	59	0	<5	0	0		5.8	6.7	7.8	9	11.2	13.5	14.7
pH (SU)	59	0	<6	0	0		6.5	6.9	7.2	7.5	7.8	8.2	8.8
	59	0	>9	0	0		6.5	6.9	7.2	7.5	7.8	8.2	8.8
Spec. conductance (umhos/cm at 25°C)	59	0	N/A				80	100	158	224	341	534	655
Water Temperature (°C)	59	0	>32	0	0		2.9	5.8	9.8	19.3	25.3	28.6	29.9
Other													
TSS (mg/L)	60	3	N/A				1	2.6	4	6	11.8	50.7	103
Turbidity (NTU)	60	0	>50	4	6.7		2.3	3.7	4.9	8.4	16.8	41	127
Nutrients (mg/L)													
NH3 as N	60	24	N/A				0.02	0.02	0.02	0.03	0.06	0.11	0.17
NO2 + NO3 as N	60	1	N/A				0.02	0.42	0.66	1.02	1.81	2.34	4.27
TKN as N	60	2	N/A				0.2	0.36	0.5	0.6	0.8	0.97	1.47
Total Phosphorus	52	1	N/A				0.02	0.07	0.09	0.14	0.21	0.28	0.63

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	106.8	12	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: HAW RIV AT SR 1713 NR BYNUM
Station #: B2100000 **Hydrologic Unit Code:** 03030002
Latitude: 35.77165 **Longitude:** -79.14497 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-(28.5)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	59	0	<4	0	0		6.7	8.2	8.7	9.8	11.8	13.6	14.9
	59	0	<5	0	0		6.7	8.2	8.7	9.8	11.8	13.6	14.9
pH (SU)	59	0	<6	0	0		6.4	6.7	7.3	8	8.6	8.8	9.5
	59	0	>9	2	3.4		6.4	6.7	7.3	8	8.6	8.8	9.5
Spec. conductance (umhos/cm at 25°C)	59	0	N/A				78	103	141	200	303	506	702
Water Temperature (°C)	59	0	>32	0	0		2.3	5.4	8.7	19.1	27	30.3	31.7
Other													
TSS (mg/L)	60	4	N/A				1	1	2.6	4.5	10	34.5	187
Turbidity (NTU)	60	0	>50	4	6.7		1.5	2.5	3.5	9.1	18.7	35.1	155
Nutrients (mg/L)													
NH3 as N	60	34	N/A				0.02	0.02	0.02	0.02	0.04	0.07	0.18
NO2 + NO3 as N	60	1	>10	0	0		0.02	0.35	0.5	0.77	1.2	2	3.86
TKN as N	60	3	N/A				0.2	0.3	0.41	0.57	0.7	0.9	1.85
Total Phosphorus	52	1	N/A				0.02	0.05	0.07	0.11	0.17	0.2	0.46
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				110	110	133	292	443	444	444
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	5	>7	0	0		2	2	2	2	3	5	5
Iron, total (Fe)	6	0	>1000	0	0		304	304	457	658	852	994	994
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Mercury, total (Hg)	6	1	>0.012	0	0		0.001	0.001	0.002	0.002	0.004	0.004	0.004
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	1	>50	0	0		10	10	10	12	16	19	19

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	71	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: ROBESON CRK AT BOAT ACCESS OFF SR 1943 NR HANKS CHAPEL
Station #: B2450000 **Hydrologic Unit Code:** 03030002
Latitude: 35.70315 **Longitude:** -79.10027 **Stream class:** WS-IV B NSW CA
Agency: UCFRBA **NC stream index:** 16-(37.5)

Time period: 01/17/2006 to 04/26/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	72	0	<4	0	0		4.6	7.6	8.3	9.8	11.5	12.6	13.8
	72	0	<5	1	1.4		4.6	7.6	8.3	9.8	11.5	12.6	13.8
pH (SU)	72	0	<6	1	1.4		6	6.6	7.1	7.5	8.5	9.1	9.4
	72	0	>9	9	12.5	82	6	6.6	7.1	7.5	8.5	9.1	9.4
Spec. conductance (umhos/cm at 25°C)	71	0	N/A				66	87	130	188	273	316	421
Water Temperature (°C)	72	0	>32	3	4.2		2.8	7	11.4	23.8	28.8	30.5	32.2
Other													
TSS (mg/L)	52	1	N/A				1	4	7	9	13	19	49
Turbidity (NTU)	52	0	>25	11	21.2	> 99.9	2.2	6	7.6	11.3	18	35.8	116
Nutrients (mg/L)													
NH3 as N	52	31	N/A				0.02	0.02	0.02	0.02	0.06	0.1	0.18
NO2 + NO3 as N	52	2	>10	0	0		0.02	0.04	0.17	0.38	0.61	0.88	1.7
TKN as N	52	3	N/A				0.2	0.24	0.5	0.74	0.97	1.1	1.52
Total Phosphorus	44	2	N/A				0.02	0.04	0.06	0.08	0.11	0.15	0.26

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
52	22.9	5	9.6	

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: NEW HOPE CRK AT NC 54 NR DURHAM
Station #: B3020000 **Hydrologic Unit Code:** 03030002
Latitude: 35.91672 **Longitude:** -78.97043 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-1-(11.5)

Time period: 01/12/2006 to 12/09/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	26	30.6	> 99.9	0.6	2.6	3.6	5.3	8.1	10.9	11.8
	85	0	<5	35	41.2	> 99.9	0.6	2.6	3.6	5.3	8.1	10.9	11.8
pH (SU)	85	0	<6	3	3.5		5.3	6.1	6.5	6.8	6.9	7.1	7.4
	85	0	>9	0	0		5.3	6.1	6.5	6.8	6.9	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				76	95	116	144	160	198	234
Water Temperature (°C)	85	0	>32	0	0		2	5.2	11.8	20.3	23.7	26	29.2
Other													
TSS (mg/L)	60	2	N/A				1	3	5.5	12	21.8	44.5	97
Turbidity (NTU)	60	0	>50	6	10	60.6	3.4	8.5	12.5	20.9	30.1	51.3	152
Nutrients (mg/L)													
NH3 as N	60	18	N/A				0.02	0.02	0.02	0.04	0.09	0.11	0.26
NO2 + NO3 as N	60	8	>10	0	0		0.02	0.02	0.04	0.1	0.15	0.22	0.45
TKN as N	60	5	N/A				0.2	0.2	0.31	0.49	0.72	0.81	1.22
Total Phosphorus	52	2	N/A				0.02	0.03	0.05	0.09	0.12	0.17	0.37
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				301	301	339	1300	2352	2480	2480
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	2	>7	0	0		2	2	2	4	5	5	5
Iron, total (Fe)	6	0	>1000	6	100		1200	1200	1238	2035	2980	3160	3160
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	5	83.3		113	113	185	238	327	453	453
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	2	>50	0	0		10	10	10	13	18	19	19

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	199.8	17	28.3	95.7

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: THIRD FORK CRK AT NC 54 NR DURHAM
Station #: B3025000 **Hydrologic Unit Code:** 03030002
Latitude: 35.91867 **Longitude:** -78.95480 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-1-12-(2)

Time period: 01/12/2006 to 12/09/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	60	0	<4	18	30	> 99.9	1.1	1.8	3.7	6	9.9	11.1	12.6
	60	0	<5	23	38.3	> 99.9	1.1	1.8	3.7	6	9.9	11.1	12.6
pH (SU)	60	0	<6	1	1.7		5.9	6.4	6.6	6.9	7.1	7.2	7.3
	60	0	>9	0	0		5.9	6.4	6.6	6.9	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	60	0	N/A				104	143	176	220	245	284	337
Water Temperature (°C)	60	0	>32	0	0		1	4.3	8.7	14.8	23.2	24.7	27.1
Other													
TSS (mg/L)	60	0	N/A				1	4	6	9	19	34.9	171
Turbidity (NTU)	60	0	>50	6	10	60.6	4.2	9.6	13.8	19.3	35.5	50.5	102
Nutrients (mg/L)													
NH3 as N	60	17	N/A				0.02	0.02	0.02	0.05	0.1	0.13	0.33
NO2 + NO3 as N	60	6	>10	0	0		0.02	0.02	0.05	0.14	0.22	0.31	0.54
TKN as N	60	4	N/A				0.2	0.26	0.43	0.61	0.86	1.2	1.81
Total Phosphorus	52	1	N/A				0.02	0.08	0.11	0.15	0.21	0.29	0.61
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				205	205	431	754	1827	4600	4600
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	6	7	7
Copper, total (Cu)	6	3	>7	1	16.7		2	2	2	2	7	12	12
Iron, total (Fe)	6	0	>1000	5	83.3		901	901	1110	1525	2492	4870	4870
Lead, total (Pb)	6	5	>25	0	0		10	10	10	10	11	13	13
Manganese, total (Mn)	6	0	>200	4	66.7		152	152	184	246	360	423	423
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	0	0		15	15	15	25	34	39	39

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	272.3	19	31.7	98.9

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: NEW HOPE CRK AT SR 1107 NR BLANDS
Station #: B3040000 **Hydrologic Unit Code:** 03030002
Latitude: 35.88474 **Longitude:** -78.96563 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-1-(11.5)

Time period: 01/12/2006 to 12/09/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	1	1.2		3.9	5.6	6.3	6.8	8.1	10.3	12.4
	85	0	<5	4	4.7		3.9	5.6	6.3	6.8	8.1	10.3	12.4
pH (SU)	85	0	<6	4	4.7		4.8	6.2	6.6	6.9	7.1	7.3	7.4
	85	0	>9	0	0		4.8	6.2	6.6	6.9	7.1	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				80	124	216	314	424	517	593
Water Temperature (°C)	85	0	>32	0	0		4.1	6.9	13.3	21.4	24.7	26.5	28.3
Other													
TSS (mg/L)	60	1	N/A				1	2.6	6	13.5	25.2	41.7	109
Turbidity (NTU)	60	0	>50	7	11.7	75.2	1.5	4.2	8.1	16	28.8	54	112
Nutrients (mg/L)													
NH3 as N	60	17	N/A				0.02	0.02	0.02	0.04	0.06	0.13	0.56
NO2 + NO3 as N	60	1	>10	2	3.3		0.02	0.43	1.15	2.74	5.09	7.86	11.2
TKN as N	60	6	N/A				0.2	0.21	0.53	0.73	0.92	1.13	1.42
Total Phosphorus	52	0	N/A				0.07	0.14	0.18	0.28	0.54	0.84	1.56
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				144	144	239	1854	3505	5350	5350
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	5	6	6
Copper, total (Cu)	6	2	>7	0	0		2	2	2	3	6	6	6
Iron, total (Fe)	6	0	>1000	4	66.7		489	489	552	2020	3120	3390	3390
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	1	16.7		28	28	74	114	200	283	283
Mercury, total (Hg)	6	0	>0.012	2	33.3		0.003	0.003	0.004	0.006	0.015	0.019	0.019
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	0	0		18	18	20	24	40	50	50

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	153.6	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: NORTHEAST CRK AT SR 1102 SEDWICK RD NR RTP
Station #: B3300000 **Hydrologic Unit Code:** 03030002
Latitude: 35.88702 **Longitude:** -78.89943 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-1-17-(0.7)

Time period: 01/12/2006 to 12/09/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	30	35.3	> 99.9	0.4	1.8	2.9	4.9	7.3	10.2	12.2
	85	0	<5	44	51.8	> 99.9	0.4	1.8	2.9	4.9	7.3	10.2	12.2
pH (SU)	84	0	<6	4	4.8		5.5	6.3	6.6	6.8	7	7.2	7.4
	84	0	>9	0	0		5.5	6.3	6.6	6.8	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				83	118	144	174	206	256	650
Water Temperature (°C)	85	0	>32	0	0		1.8	4.9	11.6	19.6	23.7	25.4	27
Other													
TSS (mg/L)	60	0	N/A				1	5	8.5	15.5	22.8	33.8	59
Turbidity (NTU)	60	0	>50	6	10	60.6	7.6	12.5	17.5	25.1	36.4	53.5	82.6
Nutrients (mg/L)													
NH3 as N	60	19	N/A				0.02	0.02	0.02	0.04	0.09	0.13	0.39
NO2 + NO3 as N	60	9	>10	0	0		0.02	0.02	0.03	0.06	0.08	0.12	3.59
TKN as N	60	4	N/A				0.2	0.29	0.43	0.63	0.82	1	1.4
Total Phosphorus	52	2	N/A				0.02	0.04	0.06	0.08	0.1	0.17	0.62
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				575	575	625	1140	1812	2090	2090
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	1	>7	1	16.7		2	2	2	4	8	12	12
Iron, total (Fe)	6	0	>1000	6	100		1030	1030	1285	1760	2200	2650	2650
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	4	66.7		171	171	172	288	600	933	933
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	3	>50	0	0		10	10	10	10	16	17	17

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	178.4	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: NORTHEAST CRK AT SR 1731 O KELLY CHURCH RD NR DURHAM
Station #: B3670000 **Hydrologic Unit Code:** 03030002
Latitude: 35.85550 **Longitude:** -78.93968 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-1-17-(0.7)

Time period: 01/12/2006 to 12/09/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	1	1.2		3.7	6.1	6.8	7.2	9.1	10.5	12.3
	85	0	<5	3	3.5		3.7	6.1	6.8	7.2	9.1	10.5	12.3
pH (SU)	85	0	<6	1	1.2		5.7	6.5	6.9	7.2	7.4	7.6	7.9
	85	0	>9	0	0		5.7	6.5	6.9	7.2	7.4	7.6	7.9
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				77	178	240	418	558	616	662
Water Temperature (°C)	85	0	>32	0	0		4.6	6.9	12.6	20.5	24.6	25.9	28.3
Other													
TSS (mg/L)	60	1	N/A				1	4	7.2	14.5	30.8	72.6	249
Turbidity (NTU)	60	0	>50	14	23.3	> 99.9	3.3	6.4	13.4	21.2	38.8	100.1	380
Nutrients (mg/L)													
NH3 as N	60	21	N/A				0.02	0.02	0.02	0.04	0.06	0.08	0.14
NO2 + NO3 as N	60	1	>10	0	0		0.02	0.17	0.41	0.95	1.62	2.89	6.18
TKN as N	60	4	N/A				0.2	0.38	0.61	0.8	0.94	1.13	1.58
Total Phosphorus	52	0	N/A				0.06	0.08	0.12	0.22	0.35	0.57	1.9
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				354	354	1341	2155	3880	4720	4720
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	5	6	6
Copper, total (Cu)	6	2	>7	1	16.7		2	2	2	2	7	10	10
Iron, total (Fe)	6	0	>1000	5	83.3		588	588	1362	1850	3302	3760	3760
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	2	33.3		108	108	110	144	266	316	316
Mercury, total (Hg)	6	0	>0.012	0	0		0.002	0.002	0.002	0.003	0.009	0.009	0.009
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	3	50		17	17	26	46	92	142	142

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	183.3	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: MORGAN CRK AT MASON FARM WWTP ENTRANCE AT CHAPEL HILL
Station #: B3899180 **Hydrologic Unit Code:** 03030002
Latitude: 35.89870 **Longitude:** -79.02630 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-2-(5.5)

Time period: 01/12/2006 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.4	7	7.9	10.3	11.6	14
	85	0	<5	0	0		5.7	6.4	7	7.9	10.3	11.6	14
pH (SU)	85	0	<6	1	1.2		5.6	6.5	6.9	7.2	7.4	7.6	7.8
	85	0	>9	0	0		5.6	6.5	6.9	7.2	7.4	7.6	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				88	116	145	183	261	371	654
Water Temperature (°C)	85	0	>32	0	0		2.6	6	11.8	19.2	23.3	25.2	26.7
Other													
TSS (mg/L)	60	4	N/A				1	1.1	2	4	7	20.5	393
Turbidity (NTU)	60	0	>50	2	3.3		1.1	2.4	4	5.1	11	25.2	92
Nutrients (mg/L)													
NH3 as N	60	34	N/A				0.02	0.02	0.02	0.02	0.03	0.05	0.27
NO2 + NO3 as N	60	1	>10	0	0		0.02	0.18	0.25	0.41	0.78	1.51	7.6
TKN as N	60	17	N/A				0.06	0.2	0.2	0.3	0.44	0.52	1.49
Total Phosphorus	52	3	N/A				0.02	0.02	0.03	0.05	0.11	0.2	0.42
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	118	295	876	1690	1690
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	3	>7	0	0		2	2	2	2	3	4	4
Iron, total (Fe)	6	0	>1000	1	16.7		434	434	570	698	1207	2490	2490
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	0	0		66	66	72	90	120	155	155
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	2	>50	0	0		10	10	10	11	17	23	23

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	208.8	17	28.3	95.7

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: MORGAN CRK AT SR 1726 NR FARRINGTON
Station #: B3900000 **Hydrologic Unit Code:** 03030002
Latitude: 35.86115 **Longitude:** -79.01000 **Stream class:** WS-IV NSW
Agency: UCFRBA **NC stream index:** 16-41-2-(5.5)

Time period: 01/12/2006 to 12/09/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.1	6.4	7.2	8.6	10.3	13.5
	85	0	<5	0	0		5.5	6.1	6.4	7.2	8.6	10.3	13.5
pH (SU)	85	0	<6	0	0		6	6.7	7	7.2	7.4	7.5	7.6
	85	0	>9	0	0		6	6.7	7	7.2	7.4	7.5	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				151	241	338	484	560	614	651
Water Temperature (°C)	85	0	>32	0	0		3.3	7	12.9	20.4	24.2	25.6	27.6
Other													
TSS (mg/L)	60	3	N/A				1	2	4	7.5	15	24.8	73
Turbidity (NTU)	60	0	>50	1	1.7		2.7	4	5.2	8.2	13.3	24.5	72.6
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.02	0.02	0.03	0.06	0.16	0.34	0.74
NO2 + NO3 as N	60	1	>10	8	13.3	85.8	0.02	1.84	2.75	5.36	8.65	11.91	18.2
TKN as N	60	8	N/A				0.02	0.2	0.37	0.7	0.91	1.07	1.36
Total Phosphorus	52	0	N/A				0.03	0.07	0.12	0.16	0.22	0.35	0.97
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				140	140	153	495	1350	2220	2220
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	2	>7	0	0		2	2	2	3	3	4	4
Iron, total (Fe)	6	0	>1000	2	33.3		305	305	445	820	1940	2990	2990
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	1	16.7		80	80	132	176	220	296	296
Mercury, total (Hg)	6	0	>0.012	2	33.3		0.004	0.004	0.004	0.005	0.031	0.038	0.038
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	0	>50	0	0		14	14	15	30	36	37	37

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	197.5	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: HAW RIV AT SR 1011 OLD US 1 NR HAYWOOD
Station #: B4080000 **Hydrologic Unit Code:** 03030002
Latitude: 35.61642 **Longitude:** -79.05688 **Stream class:** WS-IV
Agency: UCFRBA **NC stream index:** 16-(42)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	2	2.4		3.6	5.5	6.5	7.7	10.5	11.9	13.2
	85	0	<5	4	4.7		3.6	5.5	6.5	7.7	10.5	11.9	13.2
pH (SU)	85	0	<6	0	0		6	6.4	6.8	7	7.2	7.4	7.7
	85	0	>9	0	0		6	6.4	6.8	7	7.2	7.4	7.7
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				86	126	151	180	206	225	268
Water Temperature (°C)	85	0	>32	0	0		5.6	8	12.2	21.7	26.2	28.1	30.2
Other													
TSS (mg/L)	60	0	N/A				1	5.1	7	9	11	16	47
Turbidity (NTU)	60	0	>50	2	3.3		3.8	4.6	6.3	9.2	13.9	22.1	68.5
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.02	0.02	0.03	0.06	0.13	0.26	0.7
NO2 + NO3 as N	60	1	>10	0	0		0.02	0.08	0.16	0.35	0.56	0.76	1.12
TKN as N	60	3	N/A				0.2	0.41	0.53	0.63	0.79	0.97	1.23
Total Phosphorus	52	1	N/A				0.02	0.04	0.05	0.06	0.07	0.12	0.3
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				67	67	155	364	468	475	475
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	4	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	6	0	>1000	1	16.7		155	155	264	625	938	1010	1010
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	1	16.7		100	100	110	168	344	793	793
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	4	>50	0	0		10	10	10	10	10	12	12

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	30.4	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: DEEP RIV AT SR 1113 KIVETT DR NR HAYWORTH SPRING
Station #: B4350000 **Hydrologic Unit Code:** 03030003
Latitude: 35.95942 **Longitude:** -79.90605 **Stream class:** WS-IV CA*
Agency: UCFRBA **NC stream index:** 17-(4)

Time period: 01/10/2006 to 12/02/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	10	11.8	77.2	1	3.7	5.5	7.7	9.8	11	12.6
	85	0	<5	14	16.5	> 99.9	1	3.7	5.5	7.7	9.8	11	12.6
pH (SU)	85	0	<6	0	0		6.3	6.6	6.8	7	7.2	7.5	8.5
	85	0	>9	0	0		6.3	6.6	6.8	7	7.2	7.5	8.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				84	99	112	134	193	245	327
Water Temperature (°C)	85	0	>32	0	0		2.6	6.5	11.4	20.9	25.1	27.6	28.9
Other													
TSS (mg/L)	60	0	N/A				1	3	4	8	12	20.9	37
Turbidity (NTU)	60	0	>50	0	0		3.1	4.6	6.2	9.2	22	36.3	49.9
Nutrients (mg/L)													
NH3 as N	60	26	N/A				0.02	0.02	0.02	0.02	0.07	0.12	0.24
NO2 + NO3 as N	60	6	>10	0	0		0.02	0.02	0.09	0.17	0.3	0.45	0.93
TKN as N	60	7	N/A				0.2	0.2	0.3	0.47	0.64	0.85	1.16
Total Phosphorus	52	6	N/A				0.02	0.02	0.03	0.04	0.05	0.07	0.15
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				82	82	144	329	1031	1230	1230
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	4	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	6	0	>1000	2	33.3		402	402	465	546	1160	1190	1190
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	0	0		50	50	68	84	115	142	142
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	5	>50	0	0		10	10	10	10	10	11	11

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	82.4	9	15	

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: RICHLAND CRK AT SR 1154 KERSEY VALLEY RD NR HIGH POINT
Station #: B4380000 **Hydrologic Unit Code:** 03030003
Latitude: 35.94100 **Longitude:** -79.93220 **Stream class:** WS-IV CA*
Agency: UCFRBA **NC stream index:** 17-7-(4)

Time period: 01/10/2006 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.3	6.7	7.1	8.6	10.1	11.9	13.9
	85	0	<5	0	0		5.3	6.7	7.1	8.6	10.1	11.9	13.9
pH (SU)	85	0	<6	0	0		6.2	6.6	6.8	7.1	7.3	7.4	7.8
	85	0	>9	0	0		6.2	6.6	6.8	7.1	7.3	7.4	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				54	101	134	176	191	202	252
Water Temperature (°C)	85	0	>32	0	0		1.9	6.9	11.5	20.7	24.1	25.6	28.5
Other													
TSS (mg/L)	60	10	N/A				1	1	2	3	6.8	18	209
Turbidity (NTU)	60	0	>50	4	6.7		1	1.8	2.7	4.7	17.2	43.8	207
Nutrients (mg/L)													
NH3 as N	60	0	N/A				0.03	0.05	0.07	0.12	0.17	0.24	1.82
NO2 + NO3 as N	60	1	>10	0	0		0.02	0.21	0.28	0.38	0.54	0.65	0.84
TKN as N	60	10	N/A				0.16	0.2	0.22	0.3	0.48	0.7	3.53
Total Phosphorus	52	32	N/A				0.02	0.02	0.02	0.02	0.04	0.1	0.24
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	77	274	674	772	772
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	5	>7	1	16.7		2	2	2	2	4	8	8
Iron, total (Fe)	6	0	>1000	0	0		264	264	281	450	926	1000	1000
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	0	0		37	37	68	87	94	100	100
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	5	>50	0	0		10	10	10	10	16	33	33

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	243.3	17	28.3	95.7

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: RICHLAND CRK AT SR 1145 NR HIGH POINT
Station #: B4410000 **Hydrologic Unit Code:** 03030003
Latitude: 35.94100 **Longitude:** -79.90200 **Stream class:** WS-IV CA*
Agency: UCFRBA **NC stream index:** 17-7-(4)

Time period: 01/10/2006 to 05/27/2008

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	40	0	<4	2	5		3.1	4.7	7.4	8.1	9.2	10.1	10.8
	40	0	<5	4	10	62.9	3.1	4.7	7.4	8.1	9.2	10.1	10.8
pH (SU)	40	0	<6	0	0		6.5	6.7	6.8	7	7.1	7.2	7.6
	40	0	>9	0	0		6.5	6.7	6.8	7	7.1	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	40	0	N/A				79	127	218	360	423	477	495
Water Temperature (°C)	40	0	>32	0	0		7.1	10.5	14.4	21.1	24.7	26.6	27.9
Other													
TSS (mg/L)	29	1	N/A				1	2	2	4	11.5	21	38
Turbidity (NTU)	29	0	>50	2	6.9		1.7	2.2	2.8	6.8	12.2	32.6	89.8
Nutrients (mg/L)													
NH3 as N	29	17	N/A				0.02	0.02	0.02	0.02	0.04	0.17	2.12
NO2 + NO3 as N	29	0	>10	0	0		0.02	0.09	0.16	1.43	2.18	2.79	3.86
TKN as N	29	0	N/A				0.34	0.4	0.5	0.69	1.02	1.14	2.46
Total Phosphorus	29	0	N/A				0.03	0.05	0.07	0.09	0.11	1.28	2.41
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				156	156	188	332	415	623	623
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	0	>7	0	0		2	2	2	3	4	5	5
Iron, total (Fe)	6	0	>1000	2	33.3		259	259	300	584	1240	1390	1390
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	2	33.3		62	62	82	105	278	372	372
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	1	>50	1	16.7		10	10	12	36	50	51	51

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
29	41.5	5	17.2	

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: RANDLEMAN LAKE AT SR 1921 NR RANDLEMAN
Station #: B4614500 **Hydrologic Unit Code:** 03030003
Latitude: 35.90618 **Longitude:** -79.85648 **Stream class:** WS-IV CA *
Agency: UCFRBA **NC stream index:** 17-(4)

Time period: 06/12/2008 to 04/01/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	32	0	<4	0	0		4.6	5.4	6.8	8.8	9.6	11.4	12.3
	32	0	<5	1	3.1		4.6	5.4	6.8	8.8	9.6	11.4	12.3
pH (SU)	32	0	<6	0	0		6.1	6.2	6.8	7.3	8.4	8.7	8.7
	32	0	>9	0	0		6.1	6.2	6.8	7.3	8.4	8.7	8.7
Spec. conductance (umhos/cm at 25°C)	32	0	N/A				77	123	157	180	211	229	311
Water Temperature (°C)	32	0	>32	0	0		4.3	6.9	12	24	28.2	29.9	31
Other													
TSS (mg/L)	23	0	N/A				3	3.4	4	8	11	27.6	34
Turbidity (NTU)	23	0	>25	4	17.4	92.7	3.3	4.1	5.3	6.8	18.1	53.6	74.9
Nutrients (mg/L)													
NH3 as N	23	11	N/A				0.02	0.02	0.02	0.03	0.07	0.12	0.14
NO2 + NO3 as N	23	8	>10	0	0		0.02	0.02	0.02	0.08	0.28	0.4	0.43
TKN as N	23	5	N/A				0.2	0.2	0.2	0.69	0.9	1.2	1.67
Total Phosphorus	15	1	N/A				0.02	0.02	0.03	0.04	0.09	0.12	0.14

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
23	15	1	4.3	

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: MUDDY CRK AT SR 1917 NR GLENOLA
Station #: B4621000 **Hydrologic Unit Code:** 03030003
Latitude: 35.89579 **Longitude:** -79.91951 **Stream class:** WS-IV*
Agency: UCFRBA **NC stream index:** 17-9-(1)

Time period: 05/14/2010 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	8	0	<4	1	12.5		3.5	3.5	6.1	7.2	8.4	9.2	9.2
	8	0	<5	1	12.5		3.5	3.5	6.1	7.2	8.4	9.2	9.2
pH (SU)	8	0	<6	0	0		6.2	6.2	6.5	7.1	7.3	7.3	7.3
	8	0	>9	0	0		6.2	6.2	6.5	7.1	7.3	7.3	7.3
Spec. conductance (umhos/cm at 25°C)	8	0	N/A				108	108	110	176	186	203	203
Water Temperature (°C)	8	0	>32	0	0		7.1	7.1	12.2	19.6	23.2	24.1	24.1
Other													
TSS (mg/L)	8	2	N/A				2	2	2.5	4	11.8	46	46
Turbidity (NTU)	8	0	>50	1	12.5		2.4	2.4	2.7	4.3	30	92.9	92.9
Nutrients (mg/L)													
NH3 as N	8	4	N/A				0.02	0.02	0.02	0.02	0.04	0.07	0.07
NO2 + NO3 as N	8	0	>10	0	0		0.13	0.13	0.16	0.29	0.36	0.62	0.62
TKN as N	8	2	N/A				0.02	0.02	0.19	0.27	0.71	0.89	0.89
Total Phosphorus	8	0	N/A				0.07	0.07	0.07	0.09	0.12	0.13	0.13

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
8	1301.2	5	62.5	

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: MUDDY CRK AT SR 1922 NR GLENOLA
Station #: B4625000 **Hydrologic Unit Code:** 03030003
Latitude: 35.88364 **Longitude:** -79.89502 **Stream class:** WS-IV*
Agency: UCFRBA **NC stream index:** 17-9-(1)

Time period: 01/10/2006 to 04/01/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	51	0	<4	2	3.9		3	4.6	6.6	8.6	10.4	12	12.6
	51	0	<5	5	9.8		3	4.6	6.6	8.6	10.4	12	12.6
pH (SU)	51	0	<6	1	2		6	6.4	6.6	6.9	7.2	7.4	7.9
	51	0	>9	0	0		6	6.4	6.6	6.9	7.2	7.4	7.9
Spec. conductance (umhos/cm at 25°C)	51	0	N/A				82	97	126	137	157	167	190
Water Temperature (°C)	51	0	>32	0	0		2.3	3.8	8.9	13.8	21	24.4	27.9
Other													
TSS (mg/L)	51	4	N/A				1	1	2	5	13	31.2	94
Turbidity (NTU)	51	0	>50	5	9.8		1.4	3.2	5.2	10.5	18.3	51.5	120
Nutrients (mg/L)													
NH3 as N	51	28	N/A				0.02	0.02	0.02	0.02	0.04	0.06	0.15
NO2 + NO3 as N	51	5	>10	0	0		0.02	0.03	0.06	0.28	0.4	0.5	0.63
TKN as N	51	13	N/A				0.2	0.2	0.2	0.4	0.58	0.87	1.22
Total Phosphorus	43	4	N/A				0.02	0.02	0.03	0.05	0.09	0.16	0.28

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
51	200.5	12	23.5	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: DEEP RIV AT US 220 BUS MAIN ST AT RANDLEMAN
Station #: B4770500 **Hydrologic Unit Code:** 03030003
Latitude: 35.82330 **Longitude:** -79.80330 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(10.5)

Time period: 01/10/2006 to 12/02/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.8	6.7	7.5	8.3	10	11.1	13.1
	85	0	<5	1	1.2		4.8	6.7	7.5	8.3	10	11.1	13.1
pH (SU)	85	0	<6	0	0		6.3	6.5	6.8	7	7.3	7.5	9.1
	85	0	>9	1	1.2		6.3	6.5	6.8	7	7.3	7.5	9.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				115	137	151	173	190	212	340
Water Temperature (°C)	85	0	>32	0	0		5.1	7.9	13.2	17.6	20.1	24	28
Other													
TSS (mg/L)	60	2	N/A				1	2	3	5	7	12	24
Turbidity (NTU)	60	0	>50	0	0		1.8	2.4	3.3	5.5	10.2	14.8	21.4
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.02	0.02	0.08	0.15	0.25	0.43	0.63
NO2 + NO3 as N	60	1	N/A				0.02	0.05	0.17	0.31	0.43	0.56	1.22
TKN as N	60	5	N/A				0.2	0.28	0.45	0.66	0.78	0.96	1.27
Total Phosphorus	52	7	N/A				0.02	0.02	0.02	0.04	0.06	0.1	0.32

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	45.4	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: DEEP RIV AT SR 2122 AT WORTHVILLE
Station #: B4800000 **Hydrologic Unit Code:** 03030003
Latitude: 35.80070 **Longitude:** -79.77623 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(10.5)

Time period: 01/10/2006 to 12/03/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		7	7.5	8.1	8.8	10.1	11.8	13.7
	85	0	<5	0	0		7	7.5	8.1	8.8	10.1	11.8	13.7
pH (SU)	85	0	<6	0	0		6.4	6.8	6.9	7.2	7.4	7.6	7.9
	85	0	>9	0	0		6.4	6.8	6.9	7.2	7.4	7.6	7.9
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				87	129	152	171	194	219	458
Water Temperature (°C)	85	0	>32	0	0		4.2	8.1	13	19.2	22.2	25.1	27.9
Other													
TSS (mg/L)	60	1	N/A				1	2	3.2	5	8	13.9	160
Turbidity (NTU)	60	0	>50	2	3.3		3	3.8	5.3	8	14.6	18.9	117
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.02	0.02	0.05	0.1	0.15	0.28	0.47
NO2 + NO3 as N	60	1	N/A				0.02	0.11	0.2	0.36	0.45	0.58	0.86
TKN as N	60	2	N/A				0.2	0.3	0.4	0.58	0.76	0.94	1.44
Total Phosphorus	51	1	N/A				0.02	0.04	0.05	0.07	0.11	0.14	0.43
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				99	99	237	380	587	687	687
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	2	>7	0	0		2	2	2	2	4	4	4
Iron, total (Fe)	6	0	>1000	2	33.3		492	492	776	960	1088	1140	1140
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	4	>50	0	0		10	10	10	10	12	16	16

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	185.9	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: HASKETT CRK AT US 220 BUS NR NORTH ASHEBORO
Station #: B4850000 **Hydrologic Unit Code:** 03030003
Latitude: 35.76462 **Longitude:** -79.80683 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-12

Time period: 01/10/2006 to 09/18/2006

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	9	0	<4	1	11.1		3	3	5.2	8.4	11.4	12.3	12.3
	9	0	<5	2	22.2		3	3	5.2	8.4	11.4	12.3	12.3
pH (SU)	9	0	<6	0	0		6.8	6.8	6.9	7.1	7.2	7.5	7.5
	9	0	>9	0	0		6.8	6.8	6.9	7.1	7.2	7.5	7.5
Spec. conductance (umhos/cm at 25°C)	9	0	N/A				77	77	106	127	140	149	149
Water Temperature (°C)	9	0	>32	0	0		6.3	6.3	8.7	15.4	22	23.6	23.6
Other													
TSS (mg/L)	9	1	N/A				1	1	2.5	5	7	12	12
Turbidity (NTU)	9	0	>50	0	0		6.6	6.6	7.5	9.8	13.2	16.4	16.4
Nutrients (mg/L)													
NH3 as N	9	4	N/A				0.02	0.02	0.02	0.03	0.07	0.4	0.4
NO2 + NO3 as N	9	1	N/A				0.02	0.02	0.04	0.16	0.28	0.42	0.42
TKN as N	9	2	N/A				0.2	0.2	0.2	0.3	0.45	0.84	0.84
Total Phosphorus	9	0	N/A				0.02	0.02	0.03	0.06	0.06	0.08	0.08
Metals (ug/L)													
Aluminum, total (Al)	3	0	N/A				179	179	179	260	502	502	502
Arsenic, total (As)	3	3	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	3	3	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	3	3	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	3	2	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	3	0	>1000	3	100		1230	1230	1230	1300	1420	1420	1420
Lead, total (Pb)	3	3	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	3	3	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	3	1	>50	0	0		10	10	10	12	15	15	15

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
9	173.2	1	11.1	

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: HASKETT CRK AT ASHEBORO WWTP BRIDGE NR ASHEBORO
Station #: B4870000 **Hydrologic Unit Code:** 03030003
Latitude: 35.76490 **Longitude:** -79.78640 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-12

Time period: 10/18/2006 to 12/03/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	51	0	<4	0	0		5.9	6.8	7.7	8.8	10.5	12.2	14.9
	51	0	<5	0	0		5.9	6.8	7.7	8.8	10.5	12.2	14.9
pH (SU)	51	0	<6	1	2		5.3	6.3	6.6	6.9	7.1	7.7	9.1
	51	0	>9	1	2		5.3	6.3	6.6	6.9	7.1	7.7	9.1
Spec. conductance (umhos/cm at 25°C)	51	0	N/A				54	71	91	111	133	152	221
Water Temperature (°C)	51	0	>32	0	0		2	6.6	9.8	15.2	22.4	26.5	30.7
Other													
TSS (mg/L)	51	2	N/A				1	2	4	7	19	46	243
Turbidity (NTU)	51	0	>50	8	15.7	93.6	3.9	6.9	8.6	19.8	38.8	95	148
Nutrients (mg/L)													
NH3 as N	51	27	N/A				0.02	0.02	0.02	0.02	0.03	0.08	0.13
NO2 + NO3 as N	51	6	N/A				0.02	0.02	0.05	0.16	0.27	0.36	0.54
TKN as N	51	5	N/A				0.2	0.2	0.29	0.41	0.67	0.86	1.49
Total Phosphorus	42	3	N/A				0.02	0.02	0.04	0.06	0.09	0.2	0.52
Metals (ug/L)													
Aluminum, total (Al)	3	0	N/A				344	344	344	477	1300	1300	1300
Arsenic, total (As)	3	3	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	3	3	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	3	3	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	3	0	>7	0	0		3	3	3	3	6	6	6
Iron, total (Fe)	3	0	>1000	2	66.7		615	615	615	1340	2340	2340	2340
Lead, total (Pb)	3	3	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	3	3	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	3	1	>50	0	0		10	10	10	16	28	28	28

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
51	290	18	35.3	99.7

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: DEEP RIV AT SR 2261 OLD LIBERTY RD NR CENTRAL FALLS
Station #: B4920000 **Hydrologic Unit Code:** 03030003
Latitude: 35.76350 **Longitude:** -79.77213 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(10.5)

Time period: 01/10/2006 to 12/03/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.9	7.5	8.5	9.7	11.1	13
	85	0	<5	0	0		5.5	6.9	7.5	8.5	9.7	11.1	13
pH (SU)	85	0	<6	0	0		6.1	6.7	6.9	7.2	7.5	7.7	10.4
	85	0	>9	1	1.2		6.1	6.7	6.9	7.2	7.5	7.7	10.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				95	146	174	209	298	410	639
Water Temperature (°C)	85	0	>32	0	0		4.1	8.8	12.4	20	25	26.7	29.7
Other													
TSS (mg/L)	60	2	N/A				1	3	6	8	11.8	16.7	128
Turbidity (NTU)	60	0	>50	3	5		4.4	5.1	6	9.5	14.4	23	97.7
Nutrients (mg/L)													
NH3 as N	60	6	N/A				0.02	0.02	0.04	0.08	0.16	0.25	0.47
NO2 + NO3 as N	60	0	N/A				0.02	0.33	0.57	1.03	1.98	5.04	8.89
TKN as N	60	2	N/A				0.2	0.3	0.42	0.64	0.86	1.01	1.51
Total Phosphorus	51	1	N/A				0.02	0.06	0.11	0.14	0.21	0.33	0.8
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	242	420	625	914	914
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	2	>7	0	0		2	2	2	4	5	7	7
Iron, total (Fe)	6	0	>1000	2	33.3		741	741	767	919	1308	1420	1420
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Mercury, total (Hg)	6	0	>0.012	0	0		0.003	0.003	0.003	0.005	0.006	0.007	0.007
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	2	>50	0	0		10	10	10	13	18	22	22

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	172.3	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: DEEP RIV AT SR 2615 AT RAMSEUR
Station #: B5070000 **Hydrologic Unit Code:** 03030003
Latitude: 35.73022 **Longitude:** -79.65579 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(10.5)

Time period: 01/10/2006 to 12/03/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Percentiles Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.8	6.6	6.9	7.8	10.1	11.6	13.7
	85	0	<5	0	0		5.8	6.6	6.9	7.8	10.1	11.6	13.7
pH (SU)	85	0	<6	0	0		6	6.8	7	7.3	7.4	7.6	8.1
	85	0	>9	0	0		6	6.8	7	7.3	7.4	7.6	8.1
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				100	139	158	196	245	289	355
Water Temperature (°C)	85	0	>32	0	0		3.6	8.1	12.6	20.7	26.1	27.8	29.8
Other													
TSS (mg/L)	60	5	N/A				1	2	3	6	10	22.8	298
Turbidity (NTU)	60	0	>50	3	5		2.7	3.4	4.6	7.8	14.4	28.3	242
Nutrients (mg/L)													
NH3 as N	60	16	N/A				0.02	0.02	0.02	0.04	0.07	0.14	0.26
NO2 + NO3 as N	60	0	N/A				0.02	0.44	0.66	0.93	1.31	1.92	2.61
TKN as N	60	3	N/A				0.2	0.28	0.37	0.52	0.7	0.86	8.01
Total Phosphorus	51	0	N/A				0.03	0.07	0.08	0.1	0.12	0.16	0.53
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				156	156	219	316	568	1030	1030
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	3	>7	0	0		2	2	2	3	4	4	4
Iron, total (Fe)	6	0	>1000	2	33.3		650	650	841	932	1275	1530	1530
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	5	>50	0	0		10	10	10	10	10	11	11

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	106.6	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: DEEP RIV AT SR 2628 HINSHAW TOWN RD NR PARKS CROSSROADS
Station #: B5100000 **Hydrologic Unit Code:** 03030003
Latitude: 35.67248 **Longitude:** -79.62735 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(10.5)

Time period: 01/10/2006 to 12/03/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		5.2	6.3	6.8	7.7	9.6	11.6	13.3
	85	0	<5	0	0		5.2	6.3	6.8	7.7	9.6	11.6	13.3
pH (SU)	85	0	<6	0	0		6	6.6	6.9	7.2	7.4	7.5	8.2
	85	0	>9	0	0		6	6.6	6.9	7.2	7.4	7.5	8.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				95	136	153	183	238	277	315
Water Temperature (°C)	85	0	>32	0	0		3.2	7.7	12.2	21	25.4	27.2	29.7
Other													
TSS (mg/L)	60	7	N/A				1	1	2	4	7.8	33.7	280
Turbidity (NTU)	60	0	>50	3	5		1.8	2.2	3.4	5.6	15	44.8	302
Nutrients (mg/L)													
NH3 as N	60	20	N/A				0.02	0.02	0.02	0.04	0.06	0.12	0.24
NO2 + NO3 as N	60	1	N/A				0.02	0.51	0.7	0.95	1.22	1.6	2.39
TKN as N	60	4	N/A				0.2	0.21	0.39	0.55	0.7	0.82	1.54
Total Phosphorus	51	1	N/A				0.02	0.07	0.08	0.1	0.12	0.16	0.66
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				93	93	184	323	657	1450	1450
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	3	>7	0	0		2	2	2	2	3	4	4
Iron, total (Fe)	6	0	>1000	2	33.3		610	610	756	918	1262	1690	1690
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	6	>50	0	0		10	10	10	10	10	10	10

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	160.4	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: COTTON CRK AT SR 1372 AUMAN RD NR STAR
Station #: B5390800 **Hydrologic Unit Code:** 03030003
Latitude: 35.37820 **Longitude:** -79.75510 **Stream class:** WS-III
Agency: UCFRBA **NC stream index:** 17-26-5-3

Time period: 01/10/2006 to 12/03/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	2	2.4		3.8	4.9	5.9	6.9	8.4	10.3	13.6
	85	0	<5	10	11.8	77.2	3.8	4.9	5.9	6.9	8.4	10.3	13.6
pH (SU)	85	0	<6	6	7.1		5.6	6.2	6.5	6.8	7.2	7.4	7.7
	85	0	>9	0	0		5.6	6.2	6.5	6.8	7.2	7.4	7.7
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				71	118	194	285	432	608	690
Water Temperature (°C)	85	0	>32	0	0		0.6	8.9	12.4	18.1	21.7	23.8	25.5
Other													
TSS (mg/L)	60	8	N/A				1	1	2.5	4	7.8	25.9	78
Turbidity (NTU)	60	0	>50	5	8.3		1	2.8	4.8	6.5	16.2	48.1	112
Nutrients (mg/L)													
NH3 as N	60	27	N/A				0.02	0.02	0.02	0.02	0.05	0.19	0.58
NO2 + NO3 as N	60	2	>10	5	8.3		0.02	0.39	1.16	2.38	3.97	9.36	14.8
TKN as N	60	1	N/A				0.14	0.4	0.5	0.68	1	1.29	2.7
Total Phosphorus	51	0	N/A				0.26	0.39	0.5	0.73	1.45	1.87	2.39
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				109	109	113	205	1240	1980	1980
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	0	>7	3	50		4	4	5	8	9	9	9
Iron, total (Fe)	6	0	>1000	2	33.3		461	461	523	654	1712	2890	2890
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	0	0		16	16	18	26	61	101	101
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	1	>50	0	0		10	10	12	14	25	29	29

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	1003.4	42	70	100

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: DEEP RIV AT NC 22 AT HIGH FALLS
Station #: B5520000 **Hydrologic Unit Code:** 03030003
Latitude: 35.47771 **Longitude:** -79.51951 **Stream class:** C HQW
Agency: UCFRBA **NC stream index:** 17-(25.7)

Time period: 01/10/2006 to 04/16/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	52	0	<4	0	0		7.1	7.9	8.6	9.4	10.7	12.2	13.5
	52	0	<5	0	0		7.1	7.9	8.6	9.4	10.7	12.2	13.5
pH (SU)	52	0	<6	0	0		6.1	6.5	7.1	7.4	7.8	8.5	8.8
	52	0	>9	0	0		6.1	6.5	7.1	7.4	7.8	8.5	8.8
Spec. conductance (umhos/cm at 25°C)	52	0	N/A				66	87	114	136	180	230	281
Water Temperature (°C)	52	0	>32	0	0		2.1	7.6	10.7	15.5	25.6	29	30.7
Other													
TSS (mg/L)	52	6	N/A				1	1	1	3	4.8	28.8	846
Turbidity (NTU)	52	0	>50	4	7.7		1	1.4	2.1	6.2	11.5	32.9	530
Nutrients (mg/L)													
NH3 as N	52	25	N/A				0.02	0.02	0.02	0.02	0.03	0.08	0.34
NO2 + NO3 as N	52	2	N/A				0.02	0.21	0.4	0.58	0.74	0.98	1.62
TKN as N	52	4	N/A				0.2	0.21	0.3	0.45	0.68	1.03	2.57
Total Phosphorus	43	2	N/A				0.02	0.04	0.06	0.07	0.12	0.22	0.9

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
52	77.3	10	19.2	

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: DEEP RIV AT DEEP RIVER PARK BRIDGE NR CUMNOCK
Station #: B5685000 **Hydrologic Unit Code:** 03030003
Latitude: 35.57046 **Longitude:** -79.24116 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(38.7)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	1	1.2		3.9	4.8	5.4	6.7	9.4	11.2	12.9
	85	0	<5	11	12.9	86	3.9	4.8	5.4	6.7	9.4	11.2	12.9
pH (SU)	85	0	<6	0	0		6	6.5	6.7	6.9	7.2	7.4	7.6
	85	0	>9	0	0		6	6.5	6.7	6.9	7.2	7.4	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				60	87	111	141	167	205	293
Water Temperature (°C)	85	0	>32	0	0		2.2	5.7	11.2	22.8	27.4	28.9	30.7
Other													
TSS (mg/L)	60	7	N/A				1	1	2	5	9.8	22.9	340
Turbidity (NTU)	60	0	>50	4	6.7		1.2	2.8	4.4	8.3	17.2	36.5	277
Nutrients (mg/L)													
NH3 as N	7	3	N/A				0.02	0.02	0.02	0.04	0.04	0.07	0.07
NO2 + NO3 as N	7	0	N/A				0.02	0.02	0.03	0.19	1	1.54	1.54
TKN as N	7	0	N/A				0.24	0.24	0.31	0.34	0.55	0.7	0.7
Total Phosphorus	8	1	N/A				0.02	0.02	0.04	0.07	0.08	0.82	0.82

Fecal Coliform Screening(#/100mL)

# results:	**Geomean**	**# > 400:**	**% > 400:**	**%Conf:**
60	110.7	12	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: DEEP RIV AT US 15 AND 501 NR SANFORD
Station #: B5820000 **Hydrologic Unit Code:** 03030003
Latitude: 35.57817 **Longitude:** -79.19421 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-(38.7)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	5	5.9		3	4.3	5	6.1	8.9	11.1	13.2
	85	0	<5	20	23.5	> 99.9	3	4.3	5	6.1	8.9	11.1	13.2
pH (SU)	85	0	<6	3	3.5		5.1	6.4	6.6	6.9	7.1	7.3	7.6
	85	0	>9	0	0		5.1	6.4	6.6	6.9	7.1	7.3	7.6
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				47	93	122	159	204	258	359
Water Temperature (°C)	85	0	>32	0	0		1.9	5.8	11.4	21.8	27.2	28.8	31.1
Other													
TSS (mg/L)	60	2	N/A				1	2	3	5	10	27.6	354
Turbidity (NTU)	60	0	>50	4	6.7		1.5	4	5.1	9.4	19	40.4	420
Nutrients (mg/L)													
NH3 as N	60	24	N/A				0.02	0.02	0.02	0.02	0.05	0.08	0.36
NO2 + NO3 as N	60	0	N/A				0.09	0.56	0.67	0.86	1.27	1.87	3.81
TKN as N	60	4	N/A				0.2	0.3	0.41	0.51	0.76	1.03	2.47
Total Phosphorus	52	0	N/A				0.06	0.11	0.14	0.23	0.29	0.51	0.88
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				132	132	264	352	430	502	502
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	5	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	6	0	>1000	0	0		492	492	671	782	840	965	965
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Nickel, total (Ni)	6	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	5	>50	0	0		10	10	10	10	10	11	11

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	118.2	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: LOVES CRK AT WASTE TREATMENT PLANT RD AT SILER CITY
Station #: B5890000 **Hydrologic Unit Code:** 03030003
Latitude: 35.72978 **Longitude:** -79.42892 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-43-10

Time period: 04/23/2009 to 12/20/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	31	0	<4	3	9.7		1.9	4	5.5	6.8	9.1	11	11.5
	31	0	<5	6	19.4	> 99.9	1.9	4	5.5	6.8	9.1	11	11.5
pH (SU)	31	0	<6	1	3.2		6	6.2	6.5	6.8	6.9	7.2	7.2
	31	0	>9	0	0		6	6.2	6.5	6.8	6.9	7.2	7.2
Spec. conductance (umhos/cm at 25°C)	31	0	N/A				88	105	144	173	199	243	1056
Water Temperature (°C)	31	0	>32	0	0		1.9	6.2	11.4	19.8	23.4	25.3	28
Other													
TSS (mg/L)	21	4	N/A				1	1	2	3	6.5	41.2	233
Turbidity (NTU)	21	0	>50	2	9.5		1.6	2	3.1	8	28.1	68.1	236
Nutrients (mg/L)													
NH3 as N	21	10	N/A				0.02	0.02	0.02	0.02	0.14	0.68	1.8
NO2 + NO3 as N	21	0	N/A				0.05	0.08	0.18	0.57	0.67	2.26	5.27
TKN as N	21	3	N/A				0.2	0.2	0.27	0.44	0.67	1.65	1.92
Total Phosphorus	13	0	N/A				0.02	0.03	0.04	0.07	0.22	0.46	0.55

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
21	254	7	33.3	95.7

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: LOVES CRK AT PROGRESS BLVD AT SILER CITY
Station #: B5920000 **Hydrologic Unit Code:** 03030003
Latitude: 35.73219 **Longitude:** -79.42463 **Stream class:** C
Agency: UCFRBA **NC stream index:** 17-43-10

Time period: 04/23/2009 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	31	0	<4	1	3.2		2.6	6.6	7	7.4	8.7	11.3	12
	31	0	<5	1	3.2		2.6	6.6	7	7.4	8.7	11.3	12
pH (SU)	31	0	<6	0	0		6.5	6.7	7.1	7.4	7.6	7.7	8.1
	31	0	>9	0	0		6.5	6.7	7.1	7.4	7.6	7.7	8.1
Spec. conductance (umhos/cm at 25°C)	31	0	N/A				189	315	495	826	1049	1101	1156
Water Temperature (°C)	31	0	>32	0	0		6.6	8.5	17.6	23.3	27.5	28.5	29.2
Other													
TSS (mg/L)	21	3	N/A				1	1.2	2	4	5.5	25.8	213
Turbidity (NTU)	21	0	>50	1	4.8		0.7	0.8	1.6	3.9	14.1	39.4	245
Nutrients (mg/L)													
NH3 as N	21	8	N/A				0.02	0.02	0.02	0.05	0.12	0.52	0.72
NO2 + NO3 as N	21	0	N/A				0.79	1.32	7.36	18.5	28.5	34.32	36.4
TKN as N	21	11	N/A				0.2	0.2	0.2	0.2	1.03	1.35	9.66
Total Phosphorus	13	0	N/A				0.04	0.05	0.07	0.13	0.21	0.46	0.58

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
21	297.8	7	33.3	95.7

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: ROCKY RIV AT US 64 NR SILER CITY
Station #: B5950000 **Hydrologic Unit Code:** 03030003
Latitude: 35.73513 **Longitude:** -79.42325 **Stream class:** WS-III CA
Agency: UCFRBA **NC stream index:** 17-43-(8)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	19	22.4	> 99.9	1.7	3	4	6	9.5	11.1	12.4
	85	0	<5	31	36.5	> 99.9	1.7	3	4	6	9.5	11.1	12.4
pH (SU)	85	0	<6	2	2.4		5.9	6.2	6.4	6.8	7.1	7.4	8.1
	85	0	>9	0	0		5.9	6.2	6.4	6.8	7.1	7.4	8.1
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				58	78	90	103	118	132	235
Water Temperature (°C)	85	0	>32	0	0		3.9	5.6	11.4	20.6	25.1	27.7	29.6
Other													
TSS (mg/L)	60	8	N/A				1	1	2	5	8	11.9	42
Turbidity (NTU)	60	0	>50	1	1.7		1	2.3	3.2	5.7	13.1	26.1	62.6
Nutrients (mg/L)													
NH3 as N	60	23	N/A				0.02	0.02	0.02	0.03	0.07	0.11	0.69
NO2 + NO3 as N	60	2	>10	0	0		0.02	0.07	0.14	0.2	0.44	0.55	0.6
TKN as N	60	3	N/A				0.2	0.37	0.51	0.66	0.89	1.19	1.9
Total Phosphorus	52	0	N/A				0.02	0.04	0.05	0.07	0.13	0.19	0.34

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	100.7	9	15	

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: ROCKY RIV AT SR 2170 RIVES CHAPEL RD NR SILER CITY
Station #: B5980000 **Hydrologic Unit Code:** 03030003
Latitude: 35.69848 **Longitude:** -79.37559 **Stream class:** WS-III CA
Agency: UCFRBA **NC stream index:** 17-43-(8)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	**ND**	**EL**	**#**	**%**	**%Conf**	**Min**	**10th**	**25th**	**50th**	**75th**	**90th**	**Max**
Field													
D.O. (mg/L)	85	0	<4	0	0		4.5	5.2	6	7.2	9.3	11.5	13.9
	85	0	<5	4	4.7		4.5	5.2	6	7.2	9.3	11.5	13.9
pH (SU)	85	0	<6	0	0		6	6.6	6.8	7.1	7.2	7.5	7.9
	85	0	>9	0	0		6	6.6	6.8	7.1	7.2	7.5	7.9
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				63	118	182	407	612	862	1100
Water Temperature (°C)	85	0	>32	0	0		3.2	5.4	11.3	20.4	24.9	26.9	28.4
Other													
TSS (mg/L)	60	10	N/A				1	1	2	3	6.8	13.9	62
Turbidity (NTU)	60	0	>50	1	1.7		1	1.6	2.7	4.8	12.8	25	54
Nutrients (mg/L)													
NH3 as N	60	24	N/A				0.02	0.02	0.02	0.03	0.05	0.08	0.23
NO2 + NO3 as N	60	1	>10	18	30	> 99.9	0.02	0.95	1.85	6.41	12.47	24.99	36.4
TKN as N	60	13	N/A				0.2	0.2	0.26	0.66	0.82	1.14	1.91
Total Phosphorus	52	0	N/A				0.02	0.04	0.07	0.12	0.21	0.79	3.38
Metals (ug/L)													
Aluminum, total (Al)	6	1	N/A				50	50	102	128	218	331	331
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	6	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	1	>7	0	0		2	2	3	4	4	4	4
Iron, total (Fe)	6	0	>1000	0	0		78	78	148	314	579	595	595
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	2	0	>200	0	0		33	33	33	34	35	35	35
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	2	>50	0	0		10	10	10	10	13	13	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	191.1	12	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: DEEP RIV AT SR 1011 OLD US 1 NR MONCURE
Station #: B6040300 **Hydrologic Unit Code:** 03030003
Latitude: 35.61759 **Longitude:** -79.09119 **Stream class:** WS-IV
Agency: UCFRBA **NC stream index:** 17-(43.5)

Time period: 01/17/2006 to 12/20/2010

	#	#		Results not meeting EL			Percentiles						
	results	ND	EL	#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	60	0	<4	0	0		5.7	6.2	7.3	8.8	11	12.4	13.3
	60	0	<5	0	0		5.7	6.2	7.3	8.8	11	12.4	13.3
pH (SU)	60	0	<6	0	0		6.1	6.4	6.8	7.1	7.3	7.5	8
	60	0	>9	0	0		6.1	6.4	6.8	7.1	7.3	7.5	8
Spec. conductance (umhos/cm at 25°C)	60	0	N/A				64	91	100	146	190	259	289
Water Temperature (°C)	60	0	>32	0	0		2.9	5.9	8.7	18.1	25.6	28.8	30.1
Other													
TSS (mg/L)	60	6	N/A				1	1	2.1	5	8	31.8	204
Turbidity (NTU)	60	0	>50	4	6.7		1.5	2.9	4.4	8.4	17.1	46.5	211
Nutrients (mg/L)													
NH3 as N	60	32	N/A				0.02	0.02	0.02	0.02	0.03	0.08	0.26
NO2 + NO3 as N	60	1	>10	0	0		0.02	0.32	0.59	0.72	1.01	1.41	2.74
TKN as N	60	4	N/A				0.2	0.3	0.42	0.52	0.77	1.17	14
Total Phosphorus	52	1	N/A				0.02	0.11	0.13	0.18	0.3	0.44	0.58
Metals (ug/L)													
Aluminum, total (Al)	6	0	N/A				70	70	224	446	1374	3470	3470
Arsenic, total (As)	6	6	>10	0	0		10	10	10	10	10	10	10
Cadmium, total (Cd)	6	6	>2	0	0		2	2	2	2	2	2	2
Chromium, total (Cr)	6	5	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	6	4	>7	1	16.7		2	2	2	2	6	16	16
Iron, total (Fe)	6	0	>1000	2	33.3		351	351	606	863	1480	2740	2740
Lead, total (Pb)	6	6	>25	0	0		10	10	10	10	10	10	10
Manganese, total (Mn)	6	0	>200	0	0		19	19	25	45	92	130	130
Mercury, total (Hg)	6	0	>0.012	0	0		0.002	0.002	0.002	0.003	0.004	0.004	0.004
Nickel, total (Ni)	6	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	6	5	>50	0	0		10	10	10	10	10	11	11

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
60	80.6	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