

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

Location: REDDIES RIV AT SR 1517 AT N WILKESBORO

Station #: Q0360000

Hydrologic Unit Code: 03040101

Latitude: 36.17430

Longitude: -81.16930

Stream class: WS II HQW

Agency: YPDRBA

NC stream index: 12-40-(1)

Time period: 01/22/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.5	6.8	7.9	9.2	11.2	12.8
	85	0	<5	0	0		5.5	6.5	6.8	7.9	9.2	11.2	12.8
pH (SU)	85	0	<6	0	0		6.6	6.7	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.6	6.7	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	9	N/A				50	50	58	66	72	77	90
Water Temperature (°C)	85	0	>29	0	0		3.9	6.9	12.6	18.2	22.9	25.3	27
Other													
TSS (mg/L)	60	6	N/A				1	1.4	3.2	5.7	9.6	14	40
Turbidity (NTU)	60	0	>50	0	0		1.1	2.3	4.6	8.2	13	16.8	32
Nutrients (mg/L)													
NH3 as N	60	20	N/A				0.01	0.01	0.01	0.04	0.08	0.14	0.21
NO2 + NO3 as N	60	0	>10	0	0		0.08	0.34	0.39	0.48	0.59	0.64	0.9
TKN as N	60	21	N/A				0.2	0.2	0.2	0.27	0.47	0.72	3.26
Total Phosphorus	60	8	N/A				0.02	0.02	0.05	0.08	0.13	0.2	0.55

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	193.3	1	25	

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: YADKIN RIV AT US 421 BUS AT N WILKESBORO

Station #: Q0450000

Hydrologic Unit Code: 03040101

Latitude: 36.16597

Longitude: -81.13447

Stream class: C

Agency: YPDRBA

NC stream index: 12-(38)

Time period: 01/22/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.5	7	7.9	9.2	11.1	12.6
	85	0	<5	0	0		5.7	6.5	7	7.9	9.2	11.1	12.6
pH (SU)	85	0	<6	0	0		6.3	6.7	6.8	6.9	7.1	7.2	7.4
	85	0	>9	0	0		6.3	6.7	6.8	6.9	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	7	N/A				50	52	59	66	76	84	105
Water Temperature (°C)	85	0	>29	0	0		3.8	6.8	12.3	18.5	23	24.9	26.6
Other													
TSS (mg/L)	50	3	N/A				1	1.1	2.5	5.1	10.1	30.4	75
Turbidity (NTU)	60	0	>50	0	0		1.9	3.6	4.7	7.6	14	22.7	40
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.01	0.03	0.07	0.14	0.31
NO2 + NO3 as N	60	0	N/A				0.2	0.27	0.34	0.41	0.56	0.73	1.28
TKN as N	60	21	N/A				0.2	0.2	0.2	0.28	0.48	0.91	1.23
Total Phosphorus	60	2	N/A				0.02	0.04	0.05	0.08	0.12	0.2	0.64
Metals (ug/L)													
Aluminum, total (Al)	7	1	N/A				50	50	138	280	740	972	972
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	5	>7	0	0		2	2	2	2	3	4	4
Iron, total (Fe)	7	0	>1000	1	14.3		108	108	334	461	987	1485	1485
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	6	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	6	>50	0	0		10	10	10	10	10	29	29

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	274.1	1	25	

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: YADKIN RIV AT SR 2303 AT RONDA
Station #: Q0720000
Latitude: 36.21548 **Longitude:** -80.93678
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: WS-IV
NC stream index: 12-(47.5)

Time period: 01/22/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.4	6.8	7.9	9.1	11.2	12.5
	85	0	<5	0	0		5.9	6.4	6.8	7.9	9.1	11.2	12.5
pH (SU)	85	0	<6	0	0		6.7	6.8	6.9	7	7.2	7.3	7.4
	85	0	>9	0	0		6.7	6.8	6.9	7	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	2	N/A				50	56	61	70	77	84	107
Water Temperature (°C)	85	0	>29	0	0		3.6	6.9	12.6	18.8	23.5	25.3	27.3
Other													
Turbidity (NTU)	60	0	>50	1	1.7		1.7	3.7	6.4	12	16	24.8	52
Nutrients (mg/L)													
NH3 as N	60	12	N/A				0.01	0.01	0.02	0.05	0.09	0.16	0.3
NO2 + NO3 as N	60	0	>10	0	0		0.15	0.34	0.44	0.6	0.74	0.87	1.1
TKN as N	60	11	N/A				0.18	0.2	0.21	0.34	0.56	0.91	1.33
Total Phosphorus	60	1	N/A				0.02	0.04	0.06	0.11	0.14	0.23	0.64
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				319	319	342	412	1045	1997	1997
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	4	>7	0	0		2	2	2	2	4	4	4
Iron, total (Fe)	7	0	>1000	3	42.9		507	507	524	679	1640	4085	4085
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	7	0	>200	0	0		26	26	37	48	73	116	116
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	6	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	5	>50	1	14.3		10	10	10	10	13	56	56

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	196	1	25	

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: MITCHELL RIV AT SR 1001 NR NORTH ELKIN

Station #: Q1065000

Hydrologic Unit Code: 03040101

Latitude: 36.31137

Longitude: -80.80656

Stream class: C

Agency: YPDRBA

NC stream index: 12-62-(12.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.6	6.9	7.3	8.5	11.1	12.4	13.2
	85	0	<5	0	0		6.6	6.9	7.3	8.5	11.1	12.4	13.2
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.4
	85	0	>9	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	4	N/A				50	59	72	87	97	109	126
Water Temperature (°C)	85	0	>29	0	0		1.3	4.6	9.2	17	21.4	23.3	25.7
Other													
TSS (mg/L)	60	12	N/A				1	1	1.8	4.8	9.1	22.3	222
Turbidity (NTU)	60	0	>50	4	6.7		1	2.2	3.7	7.5	15	27	550
Nutrients (mg/L)													
NH3 as N	60	21	N/A				0.01	0.01	0.01	0.03	0.07	0.14	0.42
NO2 + NO3 as N	60	0	N/A				0.11	0.14	0.24	0.31	0.39	0.5	1.95
TKN as N	60	24	N/A				0.2	0.2	0.2	0.26	0.47	0.91	2.59
Total Phosphorus	60	3	N/A				0.02	0.03	0.04	0.05	0.08	0.12	0.62

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	224.7	1	25	

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: FISHER RIV AT NC 268 NR FAIRVIEW
Station #: Q1215000
Latitude: 36.33953 **Longitude:** -80.68520
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: C
NC stream index: 12-63-(9)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.4	6.8	7.2	8.5	10.8	12.3	13.3
	85	0	<5	0	0		6.4	6.8	7.2	8.5	10.8	12.3	13.3
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.2	7.3	7.4
	85	0	>9	0	0		6.6	6.8	6.9	7	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	63	77	96	112	121	148
Water Temperature (°C)	85	0	>29	0	0		1.3	4.8	9.6	17.5	21.5	23.7	26.1
Other													
TSS (mg/L)	60	4	N/A				1	1.5	2.8	10.1	19	74.3	1080
Turbidity (NTU)	60	0	>50	8	13.3	85.8	2.2	2.9	5.4	12.5	31.2	117.5	750
Nutrients (mg/L)													
NH3 as N	60	17	N/A				0.01	0.01	0.01	0.03	0.09	0.22	0.41
NO2 + NO3 as N	60	0	N/A				0.32	0.68	0.75	0.92	1.09	1.36	1.8
TKN as N	60	18	N/A				0.2	0.2	0.2	0.35	0.62	1.11	2.89
Total Phosphorus	60	1	N/A				0.02	0.07	0.09	0.14	0.23	0.41	0.77

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	223.5	1	25	

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: YADKIN RIV AT SR 1003 NR SILOAM
Station #: Q1350000
Latitude: 36.28238 **Longitude:** -80.56223
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: C
NC stream index: 12-(53)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		6.3	6.7	7.1	8.4	10.8	12.1	13
	84	0	<5	0	0		6.3	6.7	7.1	8.4	10.8	12.1	13
pH (SU)	84	0	<6	0	0		6.7	6.9	7	7.1	7.2	7.2	7.3
	84	0	>9	0	0		6.7	6.9	7	7.1	7.2	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				66	80	91	102	109	116	130
Water Temperature (°C)	84	0	>29	0	0		2.1	6.1	10.5	18.1	22.7	24.6	26.6
Other													
TSS (mg/L)	59	2	N/A				1	3.2	5.5	13	30	41	97
Turbidity (NTU)	59	0	>50	7	11.9	76.6	3.1	4.3	8.2	14	35	55	110
Nutrients (mg/L)													
NH3 as N	59	17	N/A				0.01	0.01	0.01	0.04	0.08	0.17	0.64
NO2 + NO3 as N	59	0	N/A				0.4	0.46	0.54	0.65	0.78	0.92	0.95
TKN as N	59	10	N/A				0.2	0.2	0.25	0.44	0.7	1.1	1.84
Total Phosphorus	59	1	N/A				0.02	0.06	0.08	0.12	0.16	0.24	0.49
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				122	122	166	523	709	1538	1538
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	4	>7	0	0		2	2	2	2	3	5	5
Iron, total (Fe)	7	0	>1000	3	42.9		382	382	544	711	1311	1886	1886
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	6	>50	1	14.3		10	10	10	10	10	65	65
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	142.6	0	0										

Key:

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

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

Location: ARARAT RIV AT US 52 NR MT AIRY
Station #: Q1500000
Latitude: 36.47995 **Longitude:** -80.60035
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: C
NC stream index: 12-72-(4.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.4	6.7	7.2	8.2	10.7	11.8	12.8
	85	0	<5	0	0		6.4	6.7	7.2	8.2	10.7	11.8	12.8
pH (SU)	85	0	<6	0	0		6.3	6.8	6.9	7	7.1	7.2	7.2
	85	0	>9	0	0		6.3	6.8	6.9	7	7.1	7.2	7.2
Spec. conductance (umhos/cm at 25°C)	85	1	N/A				50	87	100	114	130	154	203
Water Temperature (°C)	85	0	>29	0	0		1.2	5.3	9.9	17.6	21.8	23.9	26.1
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	2.4	3.3	5.3	11	18.8	84.4	700

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	150.8	1	25	

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: ARARAT RIV AT WWTP RD AT MT AIRY WWTP

Station #: Q1550000

Hydrologic Unit Code: 03040101

Latitude: 36.47703

Longitude: -80.60452

Stream class: C

Agency: YPDRBA

NC stream index: 12-72-(4.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6	6.4	6.8	8	10	11.4	12.4
	85	0	<5	0	0		6	6.4	6.8	8	10	11.4	12.4
pH (SU)	85	0	<6	0	0		6.6	6.8	6.8	6.9	7.1	7.1	7.2
	85	0	>9	0	0		6.6	6.8	6.8	6.9	7.1	7.1	7.2
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				78	107	126	174	197	229	278
Water Temperature (°C)	85	0	>29	0	0		1.4	5.8	10.3	17.7	22.3	24.1	26.2
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	1.8	3	4.4	11	19.5	117.8	450

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	328.1	1	25	

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: ARARAT RIV AT SR 2119 NR MT AIRY
Station #: Q1725000
Latitude: 36.45172 **Longitude:** -80.60915
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: C
NC stream index: 12-72-(4.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.2	6.5	6.8	8	10.2	11.7	12.7
	85	0	<5	0	0		6.2	6.5	6.8	8	10.2	11.7	12.7
pH (SU)	85	0	<6	0	0		6.6	6.8	6.8	6.9	7	7.2	7.4
	85	0	>9	0	0		6.6	6.8	6.8	6.9	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				64	89	108	152	173	198	256
Water Temperature (°C)	85	0	>29	0	0		1.6	5.7	10.3	17.6	22.2	24.1	26
Other													
Turbidity (NTU)	60	0	>50	6	10	60.6	2	3	4.8	9.7	18.8	86.7	550

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	280.7	1	25	

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: ARARAT RIV AT SR 2044 NR PILOT MOUNTAIN

Station #: Q1935000

Hydrologic Unit Code: 03040101

Latitude: 36.36262

Longitude: -80.53938

Stream class: C

Agency: YPDRBA

NC stream index: 12-72-(4.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.4	6.6	6.8	8.2	10.4	11.9	12.7
	85	0	<5	0	0		6.4	6.6	6.8	8.2	10.4	11.9	12.7
pH (SU)	85	0	<6	0	0		6.6	6.7	6.8	7	7.1	7.2	7.6
	85	0	>9	0	0		6.6	6.7	6.8	7	7.1	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				69	95	110	122	136	159	183
Water Temperature (°C)	85	0	>29	0	0		1.7	5.8	10.1	18	22.2	24.1	25.9
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	2.2	3.3	5.7	11.5	20.2	87	950

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	146.8	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: N DEEP CRK AT SR 1605 NR YADKINVILLE

Station #: Q2090000

Hydrologic Unit Code: 03040101

Latitude: 36.13618

Longitude: -80.63003

Stream class: C

Agency: YPDRBA

NC stream index: 12-84-1-(0.5)

Time period: 01/23/2006 to 07/28/2008

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	44	0	<4	0	0		5.7	6.2	6.5	7.5	10.1	10.9	12.4
	44	0	<5	0	0		5.7	6.2	6.5	7.5	10.1	10.9	12.4
pH (SU)	44	0	<6	0	0		6.6	6.7	6.8	6.9	7	7.1	7.2
	44	0	>9	0	0		6.6	6.7	6.8	6.9	7	7.1	7.2
Spec. conductance (umhos/cm at 25°C)	44	0	N/A				63	96	118	138	161	179	246
Water Temperature (°C)	44	0	>29	0	0		5.3	6.3	10.5	18.4	22.2	23.6	25.2
Other													
Turbidity (NTU)	31	0	>50	3	9.7		6.6	9	12	18	33	114	180

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 DEEP CRK AT SR 1510 NR YADKINVILLE

Station #: Q2120000

Hydrologic Unit Code: 03040101

Latitude: 36.12590

Longitude: -80.59183

Stream class: C

Agency: YPDRBA

NC stream index: 12-84-1-(0.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.5	6.8	8.1	10.3	11.5	12.3
	85	0	<5	0	0		6.1	6.5	6.8	8.1	10.3	11.5	12.3
pH (SU)	85	0	<6	0	0		6.4	6.7	6.9	7	7.1	7.2	7.4
	85	0	>9	0	0		6.4	6.7	6.9	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				65	90	100	117	130	148	210
Water Temperature (°C)	85	0	>29	0	0		1.8	6.6	11	18.3	22.7	24.5	26
Other													
Turbidity (NTU)	60	0	>50	9	15	92.7	6.1	8.5	12	18.5	35.8	129	850

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	492	2	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: S DEEP CRK AT SR 1733 NR SHACKTOWN
Station #: Q2135000
Latitude: 36.10648 **Longitude:** -80.58765
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: WS-IV
NC stream index: 12-84-2-(5.5)

Time period: 01/23/2006 to 12/05/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.4	6.7	8	10.1	11.1	12
	85	0	<5	0	0		5.9	6.4	6.7	8	10.1	11.1	12
pH (SU)	85	0	<6	0	0		6.4	6.7	6.8	6.9	7	7.1	7.3
	85	0	>9	0	0		6.4	6.7	6.8	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				72	105	120	132	156	171	191
Water Temperature (°C)	85	0	>29	0	0		2.1	6.7	10.9	18.1	23	24.7	26.2
Other													
Turbidity (NTU)	60	0	>50	14	23.3	> 99.9	4.8	9	12	17.5	40.8	119	500

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	255.7	1	25	

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: YADKIN RIV AT US 158 AT CLEMMONS

Station #: Q2180000

Hydrologic Unit Code: 03040101

Latitude: 36.01437

Longitude: -80.41637

Stream class: WS-IV

Agency: YPDRBA

NC stream index: 12-(86.7)

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		6.4	6.7	7	8.2	10.6	11.6	12.4
	84	0	<5	0	0		6.4	6.7	7	8.2	10.6	11.6	12.4
pH (SU)	84	0	<6	0	0		6.6	6.9	7	7.1	7.2	7.3	7.3
	84	0	>9	0	0		6.6	6.9	7	7.1	7.2	7.3	7.3
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				60	88	95	105	114	122	143
Water Temperature (°C)	84	0	>32	0	0		2.7	6.7	11.1	19.2	23.5	25.5	27
Other													
TSS (mg/L)	59	0	N/A				1.8	3.4	7.6	15	32	60	101
Turbidity (NTU)	59	0	>50	12	20.3	>99.9	3.5	5.4	10	18	41	85	220
Nutrients (mg/L)													
NH3 as N	59	9	N/A				0.01	0.01	0.02	0.05	0.1	0.13	0.54
NO2 + NO3 as N	59	0	>10	0	0		0.18	0.41	0.48	0.58	0.65	0.76	0.93
TKN as N	59	11	N/A				0.2	0.2	0.22	0.36	0.6	1.08	3.37
Total Phosphorus	59	2	N/A				0.02	0.05	0.07	0.11	0.15	0.25	0.57
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				134	134	188	571	662	1294	1294
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	4	>7	0	0		2	2	2	2	4	4	4
Iron, total (Fe)	7	0	>1000	4	57.1		457	457	468	1059	1317	1929	1929
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	7	0	>200	0	0		24	24	25	38	48	70	70
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	4	>50	0	0		10	10	10	10	18	27	27
Fecal Coliform Screening(##/100mL)													
# results:	3	Geomean	149	# > 400:	0	% > 400:	0						

Key:

result: number of observations

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

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

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

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

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

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

Location: MUDDY CRK AT I 40 NR CLEMMONS
Station #: Q2291000
Latitude: 36.04700 **Longitude:** -80.36623
Agency: YPDRBA

Hydrologic Unit Code: 03040101
Stream class: C
NC stream index: 12-94-(0.5)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.5	6.9	7.1	8.1	10.2	11.7	13.4
	85	0	<5	0	0		6.5	6.9	7.1	8.1	10.2	11.7	13.4
pH (SU)	85	0	<6	0	0		6.6	6.7	6.8	7	7.1	7.2	7.4
	85	0	>9	0	0		6.6	6.7	6.8	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				68	98	114	124	146	169	207
Water Temperature (°C)	85	0	>32	0	0		2.5	5	9.1	17.4	21.7	23.3	24.5
Other													
Turbidity (NTU)	60	0	>50	5	8.3		2.6	5.8	9.2	13	17.8	49	500
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				118	118	197	363	776	1052	1052
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	3	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	7	0	>1000	4	57.1		759	759	790	1123	1751	1980	1980
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	6	>0.012	1	14.3		0.2	0.2	0.2	0.2	0.2	0.3	0.3
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	6	>50	0	0		10	10	10	10	10	13	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	188.2	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: SALEM CRK AT SR 2740 REYNOLDS PARK RD NR WINSTON SALEM
Station #: Q2479455 **Hydrologic Unit Code:** 03040101
Latitude: 36.08843 **Longitude:** -80.21208 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-94-12-(4)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.8	7	8	10.2	11.2	12.6
	85	0	<5	0	0		5.7	6.8	7	8	10.2	11.2	12.6
pH (SU)	85	0	<6	0	0		6.5	6.7	6.8	7	7.1	7.2	7.3
	85	0	>9	0	0		6.5	6.7	6.8	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				80	96	108	124	139	155	194
Water Temperature (°C)	85	0	>32	0	0		3	5.3	8.9	17.1	21.4	23	24.4
Other													
Turbidity (NTU)	60	0	>50	3	5		2.4	5.4	7.7	12	19	31.7	160
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				64	64	84	311	430	1152	1152
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	4	>7	0	0		2	2	2	2	3	3	3
Iron, total (Fe)	7	0	>1000	2	28.6		350	350	504	797	1420	1598	1598
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	7	>50	0	0		10	10	10	10	10	10	10

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	272.9	1	25	

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: SALEM CRK AT SR 1120 CLEMMONSVILLE RD AT WINSTON SALEM
Station #: Q2540000 **Hydrologic Unit Code:** 03040101
Latitude: 36.03115 **Longitude:** -80.31372 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-94-12-(4)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.4	6.7	6.9	7.9	9.7	11.3	12.5
	85	0	<5	0	0		6.4	6.7	6.9	7.9	9.7	11.3	12.5
pH (SU)	85	0	<6	0	0		6.5	6.7	6.8	7	7.1	7.2	7.4
	85	0	>9	0	0		6.5	6.7	6.8	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				93	129	148	170	196	235	270
Water Temperature (°C)	85	0	>32	0	0		3.3	5.9	9.7	18	22.4	24	25.2
Other													
Turbidity (NTU)	60	0	>50	3	5		2.1	4.2	5	8.3	14.8	38	330
Nutrients (mg/L)													
NH3 as N	60	3	N/A				0.01	0.06	0.09	0.18	0.27	0.38	1.08
NO2 + NO3 as N	60	0	N/A				0.23	0.58	0.86	1.07	1.25	1.4	1.63
TKN as N	60	3	N/A				0.2	0.23	0.35	0.57	0.76	1.16	3.76
Total Phosphorus	60	5	N/A				0.02	0.03	0.05	0.07	0.11	0.15	0.53
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	343.3	1	25										

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: SALEM CRK AT SR 2991 FRATERNITY CHURCH RD NR WINSTON SALEM
Station #: Q2570000 **Hydrologic Unit Code:** 03040101
Latitude: 36.00855 **Longitude:** -80.33528 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-94-12-(4)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.6	6.4	6.6	7.7	9.4	10.5	11.9
	85	0	<5	0	0		5.6	6.4	6.6	7.7	9.4	10.5	11.9
pH (SU)	85	0	<6	0	0		6.4	6.7	6.8	6.9	7	7.2	7.3
	85	0	>9	0	0		6.4	6.7	6.8	6.9	7	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				126	176	196	235	272	342	735
Water Temperature (°C)	85	0	>32	0	0		3.9	6.3	10.2	18.6	23.1	24.4	26
Other													
Turbidity (NTU)	60	0	>50	3	5		3.4	4.9	6.2	9.8	16.8	34	180
Nutrients (mg/L)													
NH3 as N	60	4	N/A				0.01	0.04	0.1	0.16	0.22	0.31	0.41
NO2 + NO3 as N	60	0	N/A				1.37	2.13	3.81	5.1	6.83	8.46	12.6
TKN as N	60	1	N/A				0.2	0.69	0.9	1.21	1.55	1.83	3.98
Total Phosphorus	60	0	N/A				0.28	0.62	1.05	1.69	2.27	2.81	4.63
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				162	162	196	245	463	756	756
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	0	>7	0	0		3	3	4	5	7	7	7
Iron, total (Fe)	7	0	>1000	1	14.3		464	464	554	573	998	1378	1378
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	0	>50	3	42.9		34	34	39	50	52	56	56

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	250.1	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: MUDDY CRK AT SR 1485 NR WINSTON SALEM

Station #: Q2720000

Hydrologic Unit Code: 03040101

Latitude: 35.94020

Longitude: -80.35800

Stream class: C

Agency: YPDRBA

NC stream index: 12-94-(0.5)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6	6.4	6.7	7.8	9.7	11.2	12.1
	85	0	<5	0	0		6	6.4	6.7	7.8	9.7	11.2	12.1
pH (SU)	85	0	<6	0	0		6.4	6.8	6.9	7	7.1	7.2	7.4
	85	0	>9	0	0		6.4	6.8	6.9	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				109	139	183	216	282	348	500
Water Temperature (°C)	85	0	>32	0	0		3.5	5.9	9.9	19	23.4	24.5	26
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	5.1	7.7	9.1	15.5	29	64	450
Nutrients (mg/L)													
NH3 as N	60	5	N/A				0.01	0.02	0.06	0.1	0.14	0.37	0.86
NO2 + NO3 as N	60	0	N/A				0.86	1.14	2.16	2.84	3.48	5.06	6.38
TKN as N	60	2	N/A				0.2	0.39	0.57	0.75	0.98	1.39	2.46
Total Phosphorus	60	0	N/A				0.11	0.36	0.45	0.76	1	1.4	1.97
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	224.5	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: YADKIN RIV AT US 64 AT YADKIN COLLEGE

Station #: Q2810000

Hydrologic Unit Code: 03040101

Latitude: 35.85700

Longitude: -80.38628

Stream class: WS-IV CA

Agency: YPDRBA

NC stream index: 12-(97.5)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.5	6.9	7.3	8.1	10.1	11.8	13
	85	0	<5	0	0		6.5	6.9	7.3	8.1	10.1	11.8	13
pH (SU)	85	0	<6	0	0		6.6	6.9	7	7.1	7.2	7.2	7.4
	85	0	>9	0	0		6.6	6.9	7	7.1	7.2	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				77	92	96	109	119	134	185
Water Temperature (°C)	85	0	>32	0	0		3.3	6.4	10.2	18.7	22.8	24.5	25.9
Other													
TSS (mg/L)	60	0	N/A				1.9	5.2	10	16.5	28.5	54.6	235
Turbidity (NTU)	60	0	>50	11	18.3	>99.9	5.9	10.1	15	20.5	40	83	270
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.01	0.01	0.03	0.07	0.11	0.2	0.58
NO2 + NO3 as N	60	0	>10	0	0		0.29	0.53	0.69	1.04	1.54	1.98	3.29
TKN as N	60	5	N/A				0.2	0.25	0.36	0.59	0.94	1.27	4.65
Total Phosphorus	60	0	N/A				0.06	0.09	0.13	0.2	0.38	0.64	0.92
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				198	198	448	751	1005	1697	1697
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	2	>7	0	0		2	2	2	3	4	5	5
Iron, total (Fe)	7	0	>1000	6	85.7		712	712	1082	1776	2193	2549	2549
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	7	0	>200	2	28.6		89	89	111	166	206	245	245
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	4	>50	0	0		10	10	10	10	21	22	22
Fecal Coliform Screening(##/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	116.4	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: DUTCHMAN CRK AT US 64 NR MOCKSVILLE

Station #: Q3105000

Hydrologic Unit Code: 03040101

Latitude: 35.88107

Longitude: -80.50118

Stream class: C

Agency: YPDRBA

NC stream index: 12-102-(2)

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.4	6.8	7.1	8.1	10.2	11.6	12.8
	85	0	<5	0	0		6.4	6.8	7.1	8.1	10.2	11.6	12.8
pH (SU)	85	0	<6	0	0		6.5	6.9	7	7.1	7.2	7.3	7.3
	85	0	>9	0	0		6.5	6.9	7	7.1	7.2	7.3	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				90	104	116	129	146	165	302
Water Temperature (°C)	85	0	>32	0	0		2.8	6	9.3	18.3	22.6	24	25
Other													
Turbidity (NTU)	60	0	>50	3	5		3.7	6.2	10.1	14.5	22	37.4	240

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	160.7	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: BEAR CRK AT SR 1116 JUNCTION RD NR COOLEEMEE
Station #: Q3555000 **Hydrologic Unit Code:** 03040102
Latitude: 35.82560 **Longitude:** -80.58500 **Stream class:** WS-IV
Agency: YPDRBA **NC stream index:** 12-108-18-(3)

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.3	5.8	6.3	7.4	9.3	10.4	11.5
	85	0	<5	0	0		5.3	5.8	6.3	7.4	9.3	10.4	11.5
pH (SU)	85	0	<6	0	0		6.5	6.6	6.8	6.9	7	7.1	7.3
	85	0	>9	0	0		6.5	6.6	6.8	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				92	122	138	168	195	216	241
Water Temperature (°C)	85	0	>32	0	0		4	7.5	12.5	19.9	24.6	26.4	27.9
Other													
Turbidity (NTU)	60	0	>50	5	8.3		3.9	6.5	8.4	13	21.8	49.5	850
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				136	136	161	614	840	1867	1867
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	3	>7	0	0		2	2	2	2	4	6	6
Iron, total (Fe)	7	0	>1000	7	100		1015	1015	1036	1312	2283	3970	3970
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	7	0	>200	0	0		69	69	96	125	139	172	172
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	5	>25	0	0		10	10	10	10	12	18	18
Zinc, total (Zn)	7	5	>50	0	0		10	10	10	10	13	16	16

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
4	296.5	2	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: FOURTH CRK AT SR 2316 BELL FARM RD NR STATESVILLE
Station #: Q3720000 **Hydrologic Unit Code:** 03040102
Latitude: 35.77607 **Longitude:** -80.79582 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-108-20

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.2	6.7	7.9	10	10.9	11.7
	85	0	<5	0	0		5.7	6.2	6.7	7.9	10	10.9	11.7
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.5	6.8	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				83	111	122	144	171	199	228
Water Temperature (°C)	85	0	>32	0	0		3.5	7.2	11.8	19.6	24.2	25.6	27.5
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	3.6	5.6	8.1	12.5	22.5	60.4	500

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	228.9	0	0	

Key:

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

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

Location: FOURTH CRK AT SR 2308 NR ELMWOOD

Station #: Q3735000

Hydrologic Unit Code: 03040102

Latitude: 35.76841

Longitude: -80.74978

Stream class: C

Agency: YPDRBA

NC stream index: 12-108-20

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.4	6.2	6.5	7.8	10	11.1	11.9
	85	0	<5	0	0		5.4	6.2	6.5	7.8	10	11.1	11.9
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.6	6.8	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				94	115	133	158	185	210	260
Water Temperature (°C)	85	0	>32	0	0		3.7	7.3	12.1	20	24.1	25.9	27.2
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	3.7	7	8.9	14.5	26.8	60	360

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	224.1	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: THIRD CRK AT SR 2342 AMITY HILL RD NR STATESVILLE

Station #: Q3900000

Hydrologic Unit Code: 03040102

Latitude: 35.74920

Longitude: -80.87748

Stream class: C

Agency: YPDRBA

NC stream index: 12-108-20-4

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6	6.3	6.7	7.9	10.2	11.1	11.8
	85	0	<5	0	0		6	6.3	6.7	7.9	10.2	11.1	11.8
pH (SU)	85	0	<6	0	0		6.2	6.8	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.2	6.8	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				69	88	111	126	152	166	216
Water Temperature (°C)	85	0	>32	0	0		3.4	7.1	12.4	19.8	24.2	26	27.3
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.3	7.8	9	14	30	60	250

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	280.1	1	25	

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 CRK AT SR 2359 BETHESDA RD NR STATESVILLE

Station #: Q3932000

Hydrologic Unit Code: 03040102

Latitude: 35.73302

Longitude: -80.80395

Stream class: C

Agency: YPDRBA

NC stream index: 12-108-20-4

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.4	6.6	7.9	10	11.1	11.6
	85	0	<5	0	0		5.5	6.4	6.6	7.9	10	11.1	11.6
pH (SU)	85	0	<6	0	0		6.4	6.7	6.8	7	7.1	7.2	7.4
	85	0	>9	0	0		6.4	6.7	6.8	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				74	98	108	129	152	180	245
Water Temperature (°C)	85	0	>32	0	0		3.6	7.2	12.2	19.6	24.2	25.8	27.4
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.4	7.2	9.5	13	27.8	73	210

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	285.8	1	25	

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 YADKIN RIV AT US 601 NR COOLEEMEE
Station #: Q3970000
Latitude: 35.77838 **Longitude:** -80.50673
Agency: YPDRBA

Hydrologic Unit Code: 03040102
Stream class: C
NC stream index: 12-108-(19.5)

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.4	6.1	6.5	7.7	9.5	10.5	11.6
	85	0	<5	0	0		5.4	6.1	6.5	7.7	9.5	10.5	11.6
pH (SU)	85	0	<6	0	0		6.7	6.9	7	7.1	7.1	7.2	7.4
	85	0	>9	0	0		6.7	6.9	7	7.1	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				81	103	110	120	136	157	186
Water Temperature (°C)	85	0	>32	0	0		4.7	8	13.2	20.6	24.7	26.9	28
Other													
TSS (mg/L)	60	0	N/A				2.5	6.4	11	19.5	29.8	43.9	230
Turbidity (NTU)	60	0	>50	9	15	92.7	6.5	10.1	15	22	41.5	59.6	220
Nutrients (mg/L)													
NH3 as N	59	10	N/A				0.01	0.01	0.02	0.05	0.08	0.13	0.49
NO2 + NO3 as N	60	0	N/A				0.43	0.66	0.77	0.87	0.95	1.05	1.24
TKN as N	60	10	N/A				0.2	0.2	0.23	0.42	0.62	1.15	1.71
Total Phosphorus	60	0	N/A				0.02	0.04	0.07	0.11	0.14	0.21	0.52
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				269	269	273	1758	2220	2516	2516
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	6	>50	0	0		5	5	5	5	5	6	6
Copper, total (Cu)	7	2	>7	0	0		2	2	2	3	6	6	6
Iron, total (Fe)	7	0	>1000	5	71.4		860	860	937	2452	4475	4540	4540
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	4	>50	1	14.3		10	10	10	10	19	61	61

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	195.8	0	0	

Key:

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

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

Location: SECOND CRK AT SR 1526 NR SALISBURY

Station #: Q4030000

Hydrologic Unit Code: 03040102

Latitude: 35.69702

Longitude: -80.61172

Stream class: C

Agency: YPDRBA

NC stream index: 12-108-21

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.2	5.8	6.2	7.4	9.7	10.7	11.7
	85	0	<5	0	0		5.2	5.8	6.2	7.4	9.7	10.7	11.7
pH (SU)	85	0	<6	0	0		6.4	6.7	6.8	6.9	7.1	7.2	7.3
	85	0	>9	0	0		6.4	6.7	6.8	6.9	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				91	120	136	162	196	218	251
Water Temperature (°C)	85	0	>32	0	0		3.7	7.8	12.5	20.4	24.6	26.4	27.8
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	4.8	6.5	9.1	12	23.8	97.5	750
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				214	214	387	614	787	3769	3769
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	2	>7	0	0		2	2	2	3	6	7	7
Iron, total (Fe)	7	0	>1000	4	57.1		817	817	907	1328	1955	5450	5450
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	5	>88	0	0		10	10	10	10	12	14	14
Zinc, total (Zn)	7	5	>50	0	0		10	10	10	10	14	17	17

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	383.2	2	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: SECOND CRK AT US 601 NR SALISBURY

Station #: Q4165000

Hydrologic Unit Code: 03040102

Latitude: 35.76247

Longitude: -80.51075

Stream class: C

Agency: YPDRBA

NC stream index: 12-108-21

Time period: 01/23/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6.1	6.5	7.6	9.7	10.6	11.5
	85	0	<5	0	0		5.5	6.1	6.5	7.6	9.7	10.6	11.5
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.1	7.2	7.4
	85	0	>9	0	0		6.6	6.8	6.9	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				98	115	126	140	158	173	195
Water Temperature (°C)	85	0	>32	0	0		4.2	7.8	13	20.2	24.9	26.7	28.3
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	4.1	7.3	9.4	13	27	110	750
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				333	333	371	670	1385	5783	5783
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	6	>50	0	0		5	5	5	5	5	6	6
Copper, total (Cu)	7	2	>7	1	14.3		2	2	2	3	4	12	12
Iron, total (Fe)	7	0	>1000	6	85.7		968	968	1011	1435	2869	9190	9190
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	6	>88	0	0		10	10	10	10	10	16	16
Zinc, total (Zn)	7	5	>50	0	0		10	10	10	10	13	19	19

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	262.5	1	25	

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: GRANTS CRK AT SR 1915 NR SALISBURY
Station #: Q4540000
Latitude: 35.70718 **Longitude:** -80.43608
Agency: YPDRBA

Hydrologic Unit Code: 03040103
Stream class: C
NC stream index: 12-110

Time period: 01/24/2006 to 12/07/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.4	6.3	6.4	7.4	9.3	10.6	12.8
	85	0	<5	0	0		5.4	6.3	6.4	7.4	9.3	10.6	12.8
pH (SU)	85	0	<6	0	0		6.6	6.8	6.8	6.9	7	7.2	7.4
	85	0	>9	0	0		6.6	6.8	6.8	6.9	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				88	120	138	156	172	193	225
Water Temperature (°C)	85	0	>32	0	0		3.2	7.7	12.3	19.2	24.4	26	28.1
Other													
Turbidity (NTU)	60	0	>50	1	1.7		2.9	5.5	7.4	10.5	17	35	120

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	245.9	1	25	

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: YADKIN RIV AT NC 150 NR SPENCER
Station #: Q4660000
Latitude: 35.72303 **Longitude:** -80.39050
Agency: YPDRBA

Hydrologic Unit Code: 03040103
Stream class: WS-V
NC stream index: 12-(108.5)

Time period: 01/24/2006 to 12/07/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	77	0	<4	0	0		5.2	5.8	6.2	7.3	9.2	10.3	13.5
	77	0	<5	0	0		5.2	5.8	6.2	7.3	9.2	10.3	13.5
pH (SU)	77	0	<6	0	0		6.4	6.7	6.8	6.9	7	7.1	7.3
	77	0	>9	0	0		6.4	6.7	6.8	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	77	0	N/A				91	127	142	158	176	194	294
Water Temperature (°C)	77	0	>32	0	0		3.6	7.5	12.5	19.5	24.2	26.4	27.6
Other													
Chlorophyll a (ug/L)	11	0	>40	4	36.4	> 99.9	2	4	13	18	51	75	79
Turbidity (NTU)	55	0	>50	10	18.2	> 99.9	7.9	12.6	20	27	45	70	95
Nutrients (mg/L)													
NH3 as N	55	6	N/A				0.01	0.01	0.04	0.06	0.1	0.15	1.27
NO2 + NO3 as N	55	0	>10	0	0		0.12	0.32	0.42	0.63	0.96	1.29	1.92
TKN as N	55	4	N/A				0.2	0.31	0.41	0.69	0.89	1.06	2.26
Total Phosphorus	55	0	N/A				0.05	0.09	0.11	0.15	0.22	0.3	0.64

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	132.3	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: SWEARING CRK AT SR 1272 JERSEY CHURCH RD NR LINWOOD
Station #: Q5135000 **Hydrologic Unit Code:** 03040103
Latitude: 35.72911 **Longitude:** -80.30566 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-113

Time period: 01/24/2006 to 12/07/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.2	5.2	5.5	6.5	8.5	9.7	12.8
	85	0	<5	5	5.9		4.2	5.2	5.5	6.5	8.5	9.7	12.8
pH (SU)	85	0	<6	0	0		6.3	6.5	6.6	6.7	6.8	7.1	7.4
	85	0	>9	0	0		6.3	6.5	6.6	6.7	6.8	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				73	144	172	208	258	321	410
Water Temperature (°C)	85	0	>32	0	0		3.1	8	12.5	19.6	24.5	26.5	27.6
Other													
Turbidity (NTU)	60	0	>50	4	6.7		3.6	7.3	9.8	16	27.8	44.5	600

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	158.7	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: TOWN CRK AT SR 1915 ANDREWS ST AT SPENCER
Station #: Q5210000 **Hydrologic Unit Code:** 03040103
Latitude: 35.67981 **Longitude:** -80.41552 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-115-3

Time period: 01/24/2006 to 12/07/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.3	6.1	6.4	7.5	8.7	10.4	12.7
	84	0	<5	0	0		5.3	6.1	6.4	7.5	8.7	10.4	12.7
pH (SU)	84	0	<6	0	0		6.5	6.8	6.9	7	7.1	7.2	7.6
	84	0	>9	0	0		6.5	6.8	6.9	7	7.1	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				81	138	155	180	206	236	290
Water Temperature (°C)	84	0	>32	0	0		3.4	8.5	13.2	19.5	25.1	26.7	28.5
Other													
Turbidity (NTU)	59	0	>50	5	8.5		1.6	3.7	7.4	13	27	50	210
Nutrients (mg/L)													
NH3 as N	59	18	N/A				0.01	0.01	0.01	0.05	0.09	0.14	0.96
NO2 + NO3 as N	59	2	N/A				0.01	0.07	0.21	0.45	0.58	0.79	1.1
TKN as N	59	7	N/A				0.2	0.2	0.33	0.53	0.69	0.9	2.62
Total Phosphorus	59	1	N/A				0.02	0.03	0.06	0.1	0.14	0.21	0.7
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	191.6	0	0										

Key:

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

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

Location: RICH FORK CRK AT SR 1757 CHESTNUT ST NR HIGH POINT

Station #: Q5745000

Hydrologic Unit Code: 03040103

Latitude: 35.96510

Longitude: -80.07869

Stream class: C

Agency: YPDRBA

NC stream index: 12-119-7

Time period: 11/17/2009 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	19	0	<4	0	0		6.2	6.3	6.8	7.7	10.2	10.9	11.9
	19	0	<5	0	0		6.2	6.3	6.8	7.7	10.2	10.9	11.9
pH (SU)	19	0	<6	0	0		6.5	6.7	6.7	7	7.1	7.2	7.2
	19	0	>9	0	0		6.5	6.7	6.7	7	7.1	7.2	7.2
Spec. conductance (umhos/cm at 25°C)	19	0	N/A				95	119	130	147	174	228	241
Water Temperature (°C)	19	0	>32	0	0		3.6	5.3	9	17.6	23.8	25.7	26.2
Other													
Turbidity (NTU)	14	0	>50	2	14.3	84.2	4.1	4.1	7.8	10.5	30	125	190
Nutrients (mg/L)													
NH3 as N	14	0	N/A				0.02	0.02	0.06	0.1	0.15	0.34	0.42
NO2 + NO3 as N	14	0	N/A				0.07	0.16	0.61	1.06	1.48	2.19	2.36
TKN as N	14	0	N/A				0.24	0.32	0.49	0.79	1.37	2.04	2.43
Total Phosphorus	14	0	N/A				0.06	0.06	0.08	0.12	0.15	0.28	0.28
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	199.6	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: RICH FORK CRK AT SR 1755 NR HIGH POINT

Station #: Q5750000

Hydrologic Unit Code: 03040103

Latitude: 35.94891

Longitude: -80.10170

Stream class: C

Agency: YPDRBA

NC stream index: 12-119-7

Time period: 01/24/2006 to 10/20/2009

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	60	0	<4	0	0		5.6	6.2	6.5	7.8	9.6	10.6	12.5
	60	0	<5	0	0		5.6	6.2	6.5	7.8	9.6	10.6	12.5
pH (SU)	60	0	<6	0	0		6.5	6.7	6.8	6.9	7.1	7.2	7.3
	60	0	>9	0	0		6.5	6.7	6.8	6.9	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	60	0	N/A				72	121	144	165	196	230	394
Water Temperature (°C)	60	0	>32	0	0		3.7	6.7	10	16.2	22.1	22.8	24.2
Other													
Turbidity (NTU)	38	0	>50	5	13.2	82.5	2.4	4.4	6	8.6	27	111	230
Nutrients (mg/L)													
NH3 as N	38	11	N/A				0.01	0.01	0.01	0.04	0.09	0.15	0.56
NO2 + NO3 as N	38	1	N/A				0.01	0.03	0.07	0.14	0.21	0.27	5.44
TKN as N	38	9	N/A				0.2	0.2	0.2	0.32	0.51	0.87	1.87
Total Phosphorus	38	2	N/A				0.02	0.05	0.07	0.08	0.11	0.2	0.54

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: RICH FORK CRK AT SR 1792 NR HIGH POINT

Station #: Q5785000

Hydrologic Unit Code: 03040103

Latitude: 35.89843

Longitude: -80.14540

Stream class: C

Agency: YPDRBA

NC stream index: 12-119-7

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	1	1.2		3.4	4.6	5.3	6.1	7.4	9.2	10.9
	85	0	<5	10	11.8	77.2	3.4	4.6	5.3	6.1	7.4	9.2	10.9
pH (SU)	85	0	<6	0	0		6.1	6.4	6.5	6.7	7.1	7.2	7.4
	85	0	>9	0	0		6.1	6.4	6.5	6.7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				84	167	206	241	298	371	494
Water Temperature (°C)	85	0	>32	0	0		3.5	6.9	9.5	17.5	22.7	23.8	25.9
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	3.8	5.9	9	17.5	30.5	59.5	370
Nutrients (mg/L)													
NH3 as N	60	7	N/A				0.01	0.01	0.04	0.09	0.14	0.29	0.82
NO2 + NO3 as N	60	0	N/A				0.54	0.85	1.44	3.38	4.82	6.37	8.32
TKN as N	60	3	N/A				0.2	0.46	0.63	0.88	1.28	1.82	3.08
Total Phosphorus	60	0	N/A				0.07	0.1	0.16	0.22	0.31	0.43	0.81

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	221.4	1	25	

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: RICH FORK CRK AT SR 2123 NR HIGH POINT

Station #: Q5790000

Hydrologic Unit Code: 03040103

Latitude: 35.85433

Longitude: -80.18215

Stream class: C

Agency: YPDRBA

NC stream index: 12-119-7

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	74	0	<4	0	0		4.1	5.6	6.2	7.3	8.7	10.3	11.4
	74	0	<5	1	1.4		4.1	5.6	6.2	7.3	8.7	10.3	11.4
pH (SU)	74	0	<6	0	0		6.3	6.5	6.7	6.9	7.1	7.2	7.4
	74	0	>9	0	0		6.3	6.5	6.7	6.9	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	74	0	N/A				102	146	167	199	230	278	382
Water Temperature (°C)	74	0	>32	0	0		3.8	7.5	9.8	17.6	23.1	24.2	26.3
Other													
Turbidity (NTU)	52	0	>50	7	13.5	85.6	3.5	5.8	8.2	14.5	25.8	79	280
Nutrients (mg/L)													
NH3 as N	52	7	N/A				0.01	0.01	0.04	0.07	0.11	0.16	0.84
NO2 + NO3 as N	52	0	N/A				0.48	0.66	0.91	1.67	2.5	4.25	5.53
TKN as N	52	3	N/A				0.2	0.36	0.5	0.68	1.05	1.39	5.08
Total Phosphorus	52	0	N/A				0.03	0.08	0.11	0.15	0.19	0.27	0.53
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	129.5	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: HAMBY CRK AT SR 2775 OLD EMANUEL CHURCH RD NR THOMASVILLE
Station #: Q5860000 **Hydrologic Unit Code:** 03040103
Latitude: 35.85009 **Longitude:** -80.10637 **Stream class:** C
Agency: YPDRBA **NC stream index:** 12-119-7-4

Time period: 01/24/2006 to 12/06/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.6	7	7.9	10.2	11.4	12.5
	85	0	<5	0	0		5.7	6.6	7	7.9	10.2	11.4	12.5
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.5
	85	0	>9	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				86	93	110	133	166	198	359
Water Temperature (°C)	85	0	>32	0	0		4.1	6.2	9.8	17.2	22.9	23.8	24.9
Other													
Turbidity (NTU)	60	0	>50	3	5		1.7	4.1	5.5	10.5	21.8	35.9	320
Nutrients (mg/L)													
NH3 as N	60	15	N/A				0.01	0.01	0.01	0.05	0.08	0.15	0.61
NO2 + NO3 as N	60	0	N/A				0.21	0.33	0.44	0.6	1.28	2.11	4.61
TKN as N	60	8	N/A				0.2	0.2	0.27	0.55	0.73	0.98	2.65
Total Phosphorus	60	3	N/A				0.02	0.04	0.06	0.09	0.23	0.5	0.85
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	98.3	0	0										

Key:

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

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

Location: ABBOTTS CRK AT I 85 NR LEXINGTON
Station #: Q5940000
Latitude: 35.78730 **Longitude:** -80.23565
Agency: YPDRBA

Hydrologic Unit Code: 03040103
Stream class: C
NC stream index: 12-119-6

Time period: 01/24/2006 to 12/07/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.2	6.5	7.4	9.7	10.7	11.9
	85	0	<5	0	0		5.7	6.2	6.5	7.4	9.7	10.7	11.9
pH (SU)	85	0	<6	0	0		6.4	6.7	6.9	7	7.1	7.2	7.3
	85	0	>9	0	0		6.4	6.7	6.9	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				96	117	138	164	192	213	352
Water Temperature (°C)	85	0	>32	0	0		3.2	6.9	10.2	18.8	23.8	25	26.6
Other													
TSS (mg/L)	50	0	N/A				1.7	5.9	7.9	11.5	19	32.5	61
Turbidity (NTU)	60	0	>50	7	11.7	75.2	4.5	8.2	13.2	18.5	28.8	60	90
Nutrients (mg/L)													
NH3 as N	60	5	N/A				0.01	0.01	0.04	0.08	0.12	0.2	0.67
NO2 + NO3 as N	60	0	N/A				0.22	0.43	0.65	1.27	2.09	3.02	3.44
TKN as N	60	3	N/A				0.2	0.38	0.58	0.74	0.94	1.19	2.63
Total Phosphorus	60	0	N/A				0.06	0.09	0.13	0.18	0.4	0.65	2.27

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	154.4	0	0	

Key:

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

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

Location: ABBOTTS CRK AT NC 47 NR COTTON GROVE

Station #: Q5970000

Hydrologic Unit Code: 03040103

Latitude: 35.74795

Longitude: -80.24140

Stream class: WS-V B

Agency: YPDRBA

NC stream index: 12-118.5

Time period: 01/24/2006 to 12/07/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		4.7	5.2	5.6	6.4	9.1	10.2	10.8
	84	0	<5	3	3.6		4.7	5.2	5.6	6.4	9.1	10.2	10.8
pH (SU)	84	0	<6	0	0		6.3	6.5	6.7	6.9	7.2	7.3	7.5
	84	0	>9	0	0		6.3	6.5	6.7	6.9	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	75	0	N/A				97	125	166	207	241	299	394
Water Temperature (°C)	84	0	>32	0	0		3	6.9	12.4	19.9	24.8	27.1	30.8
Other													
Chlorophyll a (ug/L)	16	0	>40	7	43.8	> 99.9	8	8	16	35	69	91	118
Turbidity (NTU)	59	0	>50	5	8.5		4.9	11	15	24	31	50	120
Nutrients (mg/L)													
NH3 as N	59	5	N/A				0.01	0.01	0.04	0.08	0.17	0.26	0.34
NO2 + NO3 as N	59	3	>10	0	0		0.01	0.13	0.36	0.61	1.14	1.85	3.13
TKN as N	59	2	N/A				0.2	0.39	0.69	0.96	1.2	1.53	2.5
Total Phosphorus	59	0	N/A				0.07	0.1	0.13	0.16	0.21	0.3	2
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				367	367	659	905	1369	2480	2480
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	0	>7	0	0		2	2	2	4	6	6	6
Iron, total (Fe)	7	0	>1000	6	85.7		984	984	1129	1555	1983	2988	2988
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	7	0	>200	3	42.9		101	101	107	186	265	616	616
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	4	>50	0	0		10	10	10	10	11	13	13
Fecal Coliform Screening(##/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	121.8	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: YADKIN RIV AT SR 1002 AT HIGH ROCK

Station #: Q6120000

Hydrologic Unit Code: 03040103

Latitude: 35.59680

Longitude: -80.23128

Stream class: WS-IV B CA

Agency: YPDRBA

NC stream index: 12-(124.5)

Time period: 01/26/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	1	1.2		3.8	6	6.3	7.3	9.7	10.5	12.5
	85	0	<5	1	1.2		3.8	6	6.3	7.3	9.7	10.5	12.5
pH (SU)	85	0	<6	0	0		6.5	6.7	6.8	7	7.1	7.2	7.3
	85	0	>9	0	0		6.5	6.7	6.8	7	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				96	112	124	148	182	197	248
Water Temperature (°C)	85	0	>32	0	0		3.3	7.2	12.8	20.7	24.6	26.3	27.8
Other													
Chlorophyll a (ug/L)	17	0	>40	5	29.4	> 99.9	10	11	19	31	42	63	94
TSS (mg/L)	60	0	N/A				2.6	4.2	5.8	7	9.6	14.9	46
Turbidity (NTU)	60	0	>50	1	1.7		3.5	4.8	6.6	9.6	14	32.9	95
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.01	0.01	0.02	0.06	0.1	0.17	0.5
NO2 + NO3 as N	60	5	>10	0	0		0.01	0.01	0.17	0.37	0.57	0.7	0.82
TKN as N	60	1	N/A				0.2	0.39	0.48	0.74	0.97	1.16	4.96
Total Phosphorus	60	1	N/A				0.02	0.04	0.05	0.08	0.12	0.18	1.5
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				79	79	243	265	1115	2449	2449
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	10	10
Copper, total (Cu)	7	2	>7	0	0		2	2	2	2	3	5	5
Iron, total (Fe)	7	0	>1000	2	28.6		188	188	456	676	1353	2072	2072
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	7	0	>200	0	0		41	41	42	57	77	192	192
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	6	>50	0	0		10	10	10	10	10	13	13

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
4	152	0	0

Key:

result: number of observations

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

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

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

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

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

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

Location: LICK CRK AT SR 1002 NR HEALING SPRINGS

Station #: Q6140000

Hydrologic Unit Code: 03040103

Latitude: 35.61638

Longitude: -80.17543

Stream class: WS-IV

Agency: YPDRBA

NC stream index: 12-126-(3)

Time period: 01/26/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.3	5.4	6	6.7	8.7	10.2	11.5
	85	0	<5	2	2.4		4.3	5.4	6	6.7	8.7	10.2	11.5
pH (SU)	85	0	<6	0	0		6.2	6.5	6.7	6.8	7	7.1	7.3
	85	0	>9	0	0		6.2	6.5	6.7	6.8	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				127	159	175	196	236	280	488
Water Temperature (°C)	85	0	>32	0	0		2.6	7.1	12.3	20.3	24.4	25.7	27.5
Other													
Turbidity (NTU)	60	0	>50	4	6.7		1.8	3.8	5.6	9.7	20	34.8	160

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	333.4	1	25	

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: UWHARRIE RIV AT NC 49 NR FARMER
Station #: Q6705000
Latitude: 35.64212 **Longitude:** -79.96502
Agency: YPDRBA

Hydrologic Unit Code: 03040103
Stream class: C
NC stream index: 13-2-1.5

Time period: 01/26/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.3	6.6	7.5	9.6	10.8	12.4
	85	0	<5	0	0		6.1	6.3	6.6	7.5	9.6	10.8	12.4
pH (SU)	85	0	<6	0	0		6.5	6.9	7	7.1	7.2	7.3	7.4
	85	0	>9	0	0		6.5	6.9	7	7.1	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				90	106	120	132	150	169	240
Water Temperature (°C)	85	0	>32	0	0		3	7.3	12.7	20.6	24.7	27	28.1
Other													
Turbidity (NTU)	60	0	>50	3	5		3.2	4.5	6.9	12	15	26.6	110

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	145.9	0	0	

Key:

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

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

Location: LITTLE MOUNTAIN CRK AT SR 1720 NR BADIN

Station #: Q6930000

Hydrologic Unit Code: 03040104

Latitude: 35.38122

Longitude: -80.11285

Stream class: WS-IV

Agency: YPDRBA

NC stream index: 13-5-1-(2)

Time period: 01/17/2008 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	50	0	<4	0	0		5.7	6.3	6.5	7.7	9.9	10.7	12.2
	50	0	<5	0	0		5.7	6.3	6.5	7.7	9.9	10.7	12.2
pH (SU)	50	0	<6	0	0		6.5	6.7	6.9	7	7.1	7.2	7.6
	50	0	>9	0	0		6.5	6.7	6.9	7	7.1	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	50	0	N/A				106	122	144	159	171	195	271
Water Temperature (°C)	50	0	>32	0	0		2.2	5.1	11.4	19.2	24	26.1	26.5
Other													
Turbidity (NTU)	34	0	>50	2	5.9		1	2	3.2	5.8	11.2	41	110
Nutrients (mg/L)													
NH3 as N	34	6	N/A				0.01	0.01	0.01	0.04	0.08	0.13	0.19
NO2 + NO3 as N	34	0	>10	3	8.8		0.52	0.71	0.93	1.9	3.44	8.36	13.36
TKN as N	34	3	N/A				0.2	0.22	0.34	0.58	0.97	1.57	3.27
Total Phosphorus	34	2	N/A				0.02	0.04	0.11	0.19	0.33	0.47	0.62
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	214.5	1	25										

Key:

result: number of observations

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

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

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

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

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

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

Location: LITTLE MOUNTAIN CRK AT NC 1798 NR BADIN

Station #: Q6950000

Hydrologic Unit Code: 03040104

Latitude: 35.36928

Longitude: -80.11088

Stream class: WS-IV

Agency: YPDRBA

NC stream index: 13-5-1-(2)

Time period: 01/26/2006 to 12/13/2007

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	34	0	<4	0	0		6.3	6.4	6.7	7.2	9.8	10.7	11.2
	34	0	<5	0	0		6.3	6.4	6.7	7.2	9.8	10.7	11.2
pH (SU)	34	0	<6	0	0		6.9	7	7	7.1	7.2	7.2	7.3
	34	0	>9	0	0		6.9	7	7	7.1	7.2	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	34	0	N/A				91	118	126	142	162	184	235
Water Temperature (°C)	34	0	>32	0	0		5.3	6.6	13.4	18.8	23.2	24.4	26.3
Other													
Turbidity (NTU)	24	0	>50	1	4.2		1.2	1.6	2.4	4.2	7.3	24	65
Nutrients (mg/L)													
NH3 as N	24	4	N/A				0.01	0.01	0.02	0.04	0.08	0.17	0.23
NO2 + NO3 as N	24	0	>10	0	0		0.01	0.24	0.51	0.97	1.66	4.26	5.91
TKN as N	24	1	N/A				0.2	0.26	0.33	0.5	0.69	1.07	1.69
Total Phosphorus	24	0	N/A				0.04	0.05	0.08	0.14	0.2	1.14	3.31

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: PEE DEE RIV AT BOAT RAMP AT MORROW MOUNTAIN STATE PARK
Station #: Q6960000 **Hydrologic Unit Code:** 03040104
Latitude: 35.37970 **Longitude:** -80.06130 **Stream class:** WS-IV&B CA
Agency: YPDRBA **NC stream index:** 13-(1)

Time period: 01/26/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.5	6.7	7.8	9.9	10.5	12.3
	85	0	<5	0	0		6.1	6.5	6.7	7.8	9.9	10.5	12.3
pH (SU)	85	0	<6	0	0		6.8	7	7	7.1	7.2	7.3	7.3
	85	0	>9	0	0		6.8	7	7	7.1	7.2	7.3	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				76	100	116	127	144	158	206
Water Temperature (°C)	85	0	>32	0	0		2.4	6.7	12.3	19.6	24	24.7	27.2
Other													
Chlorophyll a (ug/L)	17	0	>40	1	5.9		5	7	13	18	25	39	41
Turbidity (NTU)	60	0	>50	1	1.7		2.7	3.3	4.7	7.4	13.5	24.9	65
Nutrients (mg/L)													
NH3 as N	60	12	N/A				0.01	0.01	0.02	0.05	0.07	0.1	0.27
NO2 + NO3 as N	60	3	>10	0	0		0.01	0.03	0.2	0.42	0.68	1.11	6.05
TKN as N	60	3	N/A				0.2	0.27	0.41	0.59	0.87	1.04	3.25
Total Phosphorus	60	1	N/A				0.02	0.04	0.06	0.09	0.13	0.25	18.02

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	104	0	0	

Key:

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

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

Location: PEE DEE RIV AT NC 24 NC 27 AND NC 73 NR ALBEMARLE

Station #: Q7030000

Hydrologic Unit Code: 03040104

Latitude: 35.30825

Longitude: -80.07972

Stream class: WS-IV&B CA

Agency: YPDRBA

NC stream index: 13-(1)

Time period: 01/26/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.5	6.7	7.8	9.9	10.7	12.4
	85	0	<5	0	0		6.1	6.5	6.7	7.8	9.9	10.7	12.4
pH (SU)	85	0	<6	0	0		6.7	6.9	7	7.1	7.2	7.3	7.4
	85	0	>9	0	0		6.7	6.9	7	7.1	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				84	105	116	129	146	163	192
Water Temperature (°C)	85	0	>32	0	0		2.3	6.3	12.5	19.8	24.1	25.1	27.4
Other													
Chlorophyll a (ug/L)	17	0	>40	0	0		4	8	12	14	22	29	30
TSS (mg/L)	60	0	N/A				1.3	3	3.9	5.8	8.3	10.9	37
Turbidity (NTU)	60	0	>50	0	0		1.9	3.6	4.9	8	12	20.4	50
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.01	0.01	0.01	0.04	0.07	0.12	0.61
NO2 + NO3 as N	60	10	>10	0	0		0.01	0.01	0.04	0.21	0.38	0.43	0.48
TKN as N	60	1	N/A				0.2	0.29	0.42	0.58	0.88	1.17	3.51
Total Phosphorus	60	2	N/A				0.02	0.04	0.05	0.06	0.09	0.14	0.49
Fecal Coliform Screening(#/100mL)													
# results:	4	Geomean	116.2	# > 400:	0	% > 400:	0						

Key:

result: number of observations

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

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

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

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

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

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

Location: CLARKS CRK AT SR 1187 NR MOUNT GILEAD
Station #: Q7210000 **Hydrologic Unit Code:** 03040104
Latitude: 35.20438 **Longitude:** -80.05752 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-16

Time period: 01/26/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.4	6.6	7.6	9.8	10.8	13
	85	0	<5	0	0		5.7	6.4	6.6	7.6	9.8	10.8	13
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7	7.1	7.3	7.4
	85	0	>9	0	0		6.5	6.8	6.9	7	7.1	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				71	100	126	151	170	192	261
Water Temperature (°C)	85	0	>32	0	0		1.5	6.2	11.8	18.6	23.7	24.2	27.4
Other													
Turbidity (NTU)	59	0	>50	3	5.1		1.5	3	4.6	9.7	16	36	160

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	169.9	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: ROCKY RIV AT SR 2420 NR DAVIDSON
Station #: Q7330000
Latitude: 35.47490 **Longitude:** -80.77948
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	84	0	<4	0	0		5.9	6.3	6.6	7.7	10.5	11.8	13.8
	84	0	<5	0	0		5.9	6.3	6.6	7.7	10.5	11.8	13.8
pH (SU)	84	0	<6	0	0		6.6	6.7	6.8	6.9	7.1	7.2	7.4
	84	0	>9	0	0		6.6	6.7	6.8	6.9	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	84	0	N/A				94	110	140	172	207	248	356
Water Temperature (°C)	84	0	>32	0	0		1	5	8.8	18.6	22.3	24.5	26.3
Other													
Turbidity (NTU)	59	0	>50	9	15.3	93.3	2.2	5.1	7.7	13	24	100	730
Nutrients (mg/L)													
NH3 as N	59	14	N/A				0.01	0.01	0.01	0.04	0.08	0.13	0.2
NO2 + NO3 as N	59	4	N/A				0.01	0.02	0.11	0.25	0.34	0.44	1.9
TKN as N	59	17	N/A				0.2	0.2	0.2	0.35	0.63	1.45	3.11
Total Phosphorus	59	6	N/A				0.02	0.02	0.05	0.08	0.11	0.26	1.45
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	246	1	25										

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 29 NR HARRISBURG
Station #: Q7450000
Latitude: 35.35897 **Longitude:** -80.67506
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.8	6.4	6.7	7.7	10.5	11.3	13.4
	85	0	<5	0	0		5.8	6.4	6.7	7.7	10.5	11.3	13.4
pH (SU)	85	0	<6	0	0		6.7	6.8	6.9	7	7.1	7.2	7.4
	85	0	>9	0	0		6.7	6.8	6.9	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				84	118	132	156	186	203	267
Water Temperature (°C)	85	0	>32	0	0		1.3	5.1	8.9	19.2	22.9	24.8	27.1
Other													
Turbidity (NTU)	60	0	>50	10	16.7	> 99.9	3.4	5.5	7.4	11	22.2	93.5	290

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	256.2	1	25	

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: MALLARD CRK AT PAVILLION RD NR HARRISBURG
Station #: Q7550000 **Hydrologic Unit Code:** 03040105
Latitude: 35.33232 **Longitude:** -80.71573 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-5

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.3	6.6	7.5	10	11.3	13.7
	85	0	<5	0	0		5.9	6.3	6.6	7.5	10	11.3	13.7
pH (SU)	85	0	<6	0	0		6.3	6.8	6.9	7	7.1	7.2	7.7
	85	0	>9	0	0		6.3	6.8	6.9	7	7.1	7.2	7.7
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				91	139	158	178	207	230	304
Water Temperature (°C)	85	0	>32	0	0		1.6	5.6	9.4	19.4	23.4	25.3	27.5
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	2.5	3.6	5.4	9	17.8	93.5	220
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.02	0.05	0.13	0.17	1.25
NO2 + NO3 as N	60	3	N/A				0.01	0.03	0.1	0.28	0.48	0.9	1.44
TKN as N	60	8	N/A				0.2	0.2	0.28	0.45	0.68	1.11	3.65
Total Phosphorus	60	1	N/A				0.02	0.03	0.05	0.07	0.1	0.25	0.8
Metals (ug/L)													
Aluminum, total (Al)	7	1	N/A				50	50	142	420	6310	13371	13371
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	5	>50	0	0		5	5	5	5	12	13	13
Copper, total (Cu)	7	2	>7	2	28.6		2	2	2	2	14	33	33
Iron, total (Fe)	7	0	>1000	4	57.1		626	626	735	1148	8905	13735	13735
Lead, total (Pb)	7	6	>25	0	0		5	5	5	5	5	11	11
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	6	>88	0	0		10	10	10	10	10	13	13
Zinc, total (Zn)	7	5	>50	1	14.3		10	10	10	10	17	52	52

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	294	1	25	

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: MALLARD CRK AT SR 1300 NR HARRISBURG
Station #: Q7570000 **Hydrologic Unit Code:** 03040105
Latitude: 35.33378 **Longitude:** -80.66817 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-5

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.4	6.6	7.6	10.2	11.1	13.6
	85	0	<5	0	0		6.1	6.4	6.6	7.6	10.2	11.1	13.6
pH (SU)	85	0	<6	0	0		6.6	6.9	7	7.1	7.1	7.2	7.4
	85	0	>9	0	0		6.6	6.9	7	7.1	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				105	145	167	182	204	240	355
Water Temperature (°C)	85	0	>32	0	0		1.7	5.7	9.5	19.9	23.7	25	27
Other													
Turbidity (NTU)	60	0	>50	5	8.3		2	4.7	5.8	9.5	22.5	49.5	250
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.01	0.05	0.09	0.13	0.27
NO2 + NO3 as N	60	0	N/A				0.04	0.11	0.23	0.35	0.47	0.82	5.58
TKN as N	60	8	N/A				0.2	0.2	0.3	0.51	0.88	1.18	3.48
Total Phosphorus	60	1	N/A				0.02	0.04	0.05	0.09	0.13	0.47	1.43
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				102	102	179	524	5475	15882	15882
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	5	>50	0	0		5	5	5	5	7	14	14
Copper, total (Cu)	7	3	>7	2	28.6		2	2	2	3	12	40	40
Iron, total (Fe)	7	0	>1000	4	57.1		618	618	669	1143	6975	20875	20875
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	6	>88	0	0		10	10	10	10	10	19	19
Zinc, total (Zn)	7	4	>50	0	0		10	10	10	10	18	50	50
Fecal Coliform Screening(#/100mL)													
# results:	4	Geomean	238.5	# > 400:	1	% > 400:	25						

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 1304 NR HARRISBURG
Station #: Q7600000
Latitude: 35.33445 **Longitude:** -80.64435
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.4	6.7	7.7	10.2	11.3	13.8
	85	0	<5	0	0		6.1	6.4	6.7	7.7	10.2	11.3	13.8
pH (SU)	85	0	<6	0	0		6.8	6.9	7	7.1	7.2	7.2	7.3
	85	0	>9	0	0		6.8	6.9	7	7.1	7.2	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				115	149	166	185	202	228	328
Water Temperature (°C)	85	0	>32	0	0		1.9	5.6	9.4	19.9	23.3	24.9	27.1
Other													
Turbidity (NTU)	60	0	>50	11	18.3	> 99.9	2.2	7	8.3	13.5	36.2	125	350
Nutrients (mg/L)													
NH3 as N	60	10	N/A				0.01	0.01	0.02	0.06	0.1	0.21	2.02
NO2 + NO3 as N	60	0	N/A				0.34	1.62	2.84	4.25	6.02	7.72	12.12
TKN as N	60	1	N/A				0.2	0.41	0.56	0.78	1.05	1.58	7.38
Total Phosphorus	60	0	N/A				0.06	0.3	0.49	0.73	1.07	1.46	2.08
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				191	191	466	640	12558	15434	15434
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	5	>50	0	0		5	5	5	5	16	18	18
Copper, total (Cu)	7	1	>7	2	28.6		2	2	2	4	30	32	32
Iron, total (Fe)	7	0	>1000	6	85.7		782	782	1114	1372	18630	67100	67100
Lead, total (Pb)	7	5	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	2	>50	0	0		10	10	10	14	38	41	41
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	255	1	25										

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: CODDLE CRK AT SR 1304 ROBERTA RD NR ROBERTA MILL
Station #: Q7700000 **Hydrologic Unit Code:** 03040105
Latitude: 35.35919 **Longitude:** -80.63469 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-6-(5.5)

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.2	6.5	6.8	7.9	10.4	11.4	13.1
	85	0	<5	0	0		6.2	6.5	6.8	7.9	10.4	11.4	13.1
pH (SU)	85	0	<6	0	0		6.7	6.9	7	7.1	7.2	7.3	7.5
	85	0	>9	0	0		6.7	6.9	7	7.1	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				96	123	142	165	178	193	231
Water Temperature (°C)	85	0	>32	0	0		1.1	5.5	9.3	19.1	22.6	24.7	26
Other													
Turbidity (NTU)	60	0	>50	9	15	92.7	2.5	5.8	8	13.5	29.8	60	210

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	205.7	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: ROCKY RIV AT SR 1132 NR HARRISBURG
Station #: Q7780000
Latitude: 35.32443 **Longitude:** -80.56033
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.2	6.5	6.8	7.8	10.3	11.5	12.6
	85	0	<5	0	0		6.2	6.5	6.8	7.8	10.3	11.5	12.6
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7	7.2	7.3	7.5
	85	0	>9	0	0		6.5	6.8	6.9	7	7.2	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				107	128	137	156	184	200	297
Water Temperature (°C)	85	0	>32	0	0		1.9	6.1	10	20.4	23.8	25.3	26.9
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	2.8	4.3	5.9	12	23.5	85	280
Nutrients (mg/L)													
NH3 as N	60	11	N/A				0.01	0.01	0.01	0.04	0.09	0.15	0.47
NO2 + NO3 as N	60	0	N/A				0.39	0.62	1.19	2.12	3.13	4.26	6.46
TKN as N	60	9	N/A				0.2	0.2	0.33	0.62	0.94	1.27	3.53
Total Phosphorus	60	0	N/A				0.07	0.13	0.19	0.28	0.43	0.65	1.14
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	194.5	1	25										

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: COLD WATER CRK AT SR 1132 MIAMI CHURCH RD NR CONCORD
Station #: Q8200000 **Hydrologic Unit Code:** 03040105
Latitude: 35.36242 **Longitude:** -80.53033 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-9-4-(1.5)

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	75	0	<4	0	0		5.3	5.8	6.3	7.4	9.6	11.3	12
	75	0	<5	0	0		5.3	5.8	6.3	7.4	9.6	11.3	12
pH (SU)	75	0	<6	0	0		6.5	6.6	6.7	6.9	7.1	7.2	7.3
	75	0	>9	0	0		6.5	6.6	6.7	6.9	7.1	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	75	0	N/A				87	126	152	191	225	262	323
Water Temperature (°C)	75	0	>32	0	0		1.6	5.4	8.9	18.5	22.1	24.4	26.5
Other													
Turbidity (NTU)	54	0	>50	7	13	83.2	2.9	4.6	6	9.5	18.5	77.5	140

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
1	380	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: ROCKY RIV AT US 601 NR CONCORD
Station #: Q8210000
Latitude: 35.32445 **Longitude:** -80.51537
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/13/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.3	6.5	6.8	7.8	10.3	11.2	13
	85	0	<5	0	0		6.3	6.5	6.8	7.8	10.3	11.2	13
pH (SU)	85	0	<6	0	0		6.8	6.9	7	7.1	7.2	7.3	7.4
	85	0	>9	0	0		6.8	6.9	7	7.1	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				90	112	122	137	160	204	328
Water Temperature (°C)	85	0	>32	0	0		2	6.5	10.2	20.7	23.8	25.5	26.9
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	2.7	5.1	7.2	12	33	149	520
Nutrients (mg/L)													
NH3 as N	60	13	N/A				0.01	0.01	0.02	0.05	0.11	0.17	0.79
NO2 + NO3 as N	60	0	N/A				0.38	0.68	1.65	3.45	4.49	6.69	10.74
TKN as N	60	2	N/A				0.2	0.28	0.46	0.61	0.96	1.24	3.46
Total Phosphorus	60	0	N/A				0.11	0.17	0.28	0.42	0.63	0.94	1.83
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	213.5	1	25										

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: CLEAR CRK AT SR 1118 BEN BLACK RD NR BRIEF
Station #: Q8341000 **Hydrologic Unit Code:** 03040105
Latitude: 35.21628 **Longitude:** -80.54555 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-17

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.6	6.1	6.4	7.4	9.2	10.6	15.2
	85	0	<5	0	0		5.6	6.1	6.4	7.4	9.2	10.6	15.2
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7.1	7.2	7.3	8.3
	85	0	>9	0	0		6.5	6.8	6.9	7.1	7.2	7.3	8.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				92	114	127	149	164	181	206
Water Temperature (°C)	85	0	>32	0	0		0.2	7.4	12.2	20.4	24.5	26	27.5
Other													
Turbidity (NTU)	60	0	>50	7	11.7	75.2	2.7	4.3	5.7	11.5	22.8	54.6	221

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	216	0	0	

Key:

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

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

Location: CLEAR CRK AT US 601 NR BRIEF

Station #: Q8342000

Hydrologic Unit Code: 03040105

Latitude: 35.19465

Longitude: -80.52928

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-17

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.3	6.6	7	8	9.7	11.1	14.5
	85	0	<5	0	0		6.3	6.6	7	8	9.7	11.1	14.5
pH (SU)	85	0	<6	0	0		6.7	7	7.1	7.2	7.3	7.4	7.8
	85	0	>9	0	0		6.7	7	7.1	7.2	7.3	7.4	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				80	90	94	107	118	147	200
Water Temperature (°C)	85	0	>32	0	0		0.1	7.1	11.6	20.7	24	25.4	27.1
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	2.3	3.9	6.4	14	28.2	107	230

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	146.6	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: ROCKY RIV AT SR 1114 NR MIDLAND
Station #: Q8355000
Latitude: 35.22117 **Longitude:** -80.48712
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		6.1	6.4	6.8	7.8	9.4	10.8	13.4
	85	0	<5	0	0		6.1	6.4	6.8	7.8	9.4	10.8	13.4
pH (SU)	85	0	<6	0	0		6.7	7	7.1	7.2	7.3	7.3	7.8
	85	0	>9	0	0		6.7	7	7.1	7.2	7.3	7.3	7.8
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				71	95	109	124	142	185	312
Water Temperature (°C)	85	0	>32	0	0		1.8	7.4	12.2	21.4	24.8	26.2	27.4
Other													
TSS (mg/L)	60	4	N/A				1	2.1	4.4	9.8	22.5	64.2	1270
Turbidity (NTU)	60	0	>50	9	15	92.7	2.9	3.9	6.4	12	31.2	159	400
Nutrients (mg/L)													
NH3 as N	60	9	N/A				0.01	0.01	0.02	0.05	0.11	0.22	1.21
NO2 + NO3 as N	60	0	N/A				0.61	1.17	2.17	3.76	5.41	9.28	12.68
TKN as N	60	1	N/A				0.2	0.31	0.63	0.82	1	1.88	3.83
Total Phosphorus	60	0	N/A				0.13	0.22	0.37	0.52	0.94	1.44	2.17
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				178	178	305	794	20211	30592	30592
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	5	>50	0	0		5	5	5	5	29	48	48
Copper, total (Cu)	7	0	>7	2	28.6		3	3	3	5	47	99	99
Iron, total (Fe)	7	0	>1000	5	71.4		529	529	593	1486	23900	45300	45300
Lead, total (Pb)	7	5	>25	0	0		5	5	5	5	10	13	13
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	5	>88	0	0		10	10	10	10	16	32	32
Zinc, total (Zn)	7	3	>50	2	28.6		10	10	10	13	69	134	134
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	151.1	0	0										

Key:

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

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

Location: GOOSE CRK IN HUNLEY CREEK SUBDIVISION

Station #: Q8359500

Hydrologic Unit Code: 03040105

Latitude: 35.13855

Longitude: -80.63363

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-18

Time period: 01/25/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.5	6	6.4	7.3	8.8	10.1	12.8
	85	0	<5	0	0		5.5	6	6.4	7.3	8.8	10.1	12.8
pH (SU)	85	0	<6	0	0		6.6	6.8	6.9	7	7.1	7.1	7.4
	85	0	>9	0	0		6.6	6.8	6.9	7	7.1	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				114	134	149	174	194	214	244
Water Temperature (°C)	85	0	>32	0	0		0.4	7.7	12.7	20.9	24.9	26.6	28.1
Other													
TSS (mg/L)	29	4	N/A				1	1.8	2.6	3.5	7.9	19	48
Turbidity (NTU)	60	0	>50	7	11.7	75.2	2.5	4.3	5.9	10.5	24	84	400
Nutrients (mg/L)													
NH3 as N	29	8	N/A				0.01	0.01	0.01	0.03	0.08	0.13	0.16
NO2 + NO3 as N	29	0	N/A				0.09	0.25	0.32	0.43	0.54	0.67	0.71
TKN as N	29	3	N/A				0.2	0.2	0.31	0.57	0.78	1.08	3.7
Total Phosphorus	29	2	N/A				0.02	0.03	0.06	0.08	0.11	0.14	0.61

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	190.2	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: GOOSE CRK AT SR 1524 NR MINT HILL
Station #: Q8360000
Latitude: 35.13090 **Longitude:** -80.63105
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17-18

Time period: 01/25/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.2	5.6	6.2	6.8	8.3	9.6	12.7
	85	0	<5	0	0		5.2	5.6	6.2	6.8	8.3	9.6	12.7
pH (SU)	85	0	<6	0	0		6.5	6.8	6.8	6.9	7	7.2	7.4
	85	0	>9	0	0		6.5	6.8	6.8	6.9	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				126	154	172	197	230	256	295
Water Temperature (°C)	85	0	>32	0	0		0.7	7.5	12.9	21.4	25.3	27	28.3
Other													
Turbidity (NTU)	60	0	>50	5	8.3		2.1	3.4	4.8	9.3	13.8	49.5	128

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	291.2	1	25	

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 1606 NR MONROE
Station #: Q8385000
Latitude: 35.16987 **Longitude:** -80.47277
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.9	6.3	6.6	7.5	8.9	10.9	14.5
	85	0	<5	0	0		5.9	6.3	6.6	7.5	8.9	10.9	14.5
pH (SU)	85	0	<6	0	0		6.7	6.8	6.9	7	7.2	7.2	7.3
	85	0	>9	0	0		6.7	6.8	6.9	7	7.2	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				81	111	123	140	161	189	272
Water Temperature (°C)	85	0	>32	0	0		1.7	7.9	12.9	21.6	25.3	26.5	28.6
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	1.6	3.5	6.5	9.5	28.2	166	1240
Nutrients (mg/L)													
NH3 as N	60	15	N/A				0.01	0.01	0.01	0.04	0.1	0.19	0.47
NO2 + NO3 as N	60	0	N/A				0.67	1.16	2.03	3.38	5.5	8.67	11.16
TKN as N	60	2	N/A				0.2	0.32	0.51	0.8	1.16	1.53	2.82
Total Phosphorus	60	0	N/A				0.08	0.21	0.35	0.51	0.8	1.27	2.03
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				185	185	363	829	21257	46471	46471
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	5	>50	1	14.3		5	5	5	5	31	56	56
Copper, total (Cu)	7	1	>7	2	28.6		2	2	3	5	51	180	180
Iron, total (Fe)	7	0	>1000	5	71.4		570	570	666	1525	25075	49950	49950
Lead, total (Pb)	7	5	>25	0	0		5	5	5	5	11	20	20
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	5	>88	0	0		10	10	10	10	17	47	47
Zinc, total (Zn)	7	4	>50	2	28.6		10	10	10	10	75	188	188

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	132.3	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: N FORK CROOKED CRK AT SR 1520 NR MONROE
Station #: Q8386000 **Hydrologic Unit Code:** 03040105
Latitude: 35.10785 **Longitude:** -80.61538 **Stream class:** C
Agency: YPDRBA **NC stream index:** 13-17-20-1

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	2	2.4		3.4	4.2	5	5.5	7.4	8.6	10.2
	85	0	<5	21	24.7	> 99.9	3.4	4.2	5	5.5	7.4	8.6	10.2
pH (SU)	85	0	<6	0	0		6.1	6.3	6.4	6.6	6.8	7.2	7.4
	85	0	>9	0	0		6.1	6.3	6.4	6.6	6.8	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				129	206	230	276	318	371	417
Water Temperature (°C)	85	0	>32	0	0		1.7	8	13	21.5	25.6	27.3	28.6
Other													
Turbidity (NTU)	60	0	>50	8	13.3	85.8	3.6	5.7	9.7	15	22.8	64.5	130

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	669.6	4	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: N FORK CROOKED CRK AT SR 1514 NR MONROE

Station #: Q8386200

Hydrologic Unit Code: 03040105

Latitude: 35.10235

Longitude: -80.58428

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-20-1

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.3	4.8	5.3	6	7.6	8.8	10.4
	85	0	<5	12	14.1	92	4.3	4.8	5.3	6	7.6	8.8	10.4
pH (SU)	85	0	<6	0	0		6.4	6.5	6.6	6.7	6.8	7.2	7.3
	85	0	>9	0	0		6.4	6.5	6.6	6.7	6.8	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				119	188	206	250	291	341	388
Water Temperature (°C)	85	0	>32	0	0		3.3	8	13	21.4	25.7	27	28.8
Other													
Turbidity (NTU)	60	0	>50	4	6.7		3.5	5.1	8	14	25	44.2	121

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400: %Conf:
4	630.9	4	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: CROOKED CRK AT NC 218 NR MONROE

Station #: Q8388000

Hydrologic Unit Code: 03040105

Latitude: 35.13302

Longitude: -80.48958

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-20

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5	5.5	5.9	6.5	8.1	9.9	14.4
	85	0	<5	0	0		5	5.5	5.9	6.5	8.1	9.9	14.4
pH (SU)	85	0	<6	0	0		6.5	6.6	6.7	6.8	6.9	7.1	7.5
	85	0	>9	0	0		6.5	6.6	6.7	6.8	6.9	7.1	7.5
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				98	149	171	196	229	277	340
Water Temperature (°C)	85	0	>32	0	0		0.5	7.5	12.4	20.8	25	26.5	28.3
Other													
Turbidity (NTU)	60	0	>50	6	10	60.6	2.1	4.4	6.7	13	29	53.9	160

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	206.4	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: CROOKED CRK AT SR 1601 NR MONROE

Station #: Q8388900

Hydrologic Unit Code: 03040105

Latitude: 35.13808

Longitude: -80.50538

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-20

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.1	4.4	5.2	6.1	7.5	9.3	14.3
	85	0	<5	16	18.8	> 99.9	4.1	4.4	5.2	6.1	7.5	9.3	14.3
pH (SU)	85	0	<6	0	0		6.2	6.3	6.4	6.6	6.8	7.1	7.4
	85	0	>9	0	0		6.2	6.3	6.4	6.6	6.8	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				116	173	204	235	281	334	403
Water Temperature (°C)	85	0	>32	0	0		0.4	7.4	12.3	20.8	25.2	26.5	27.9
Other													
Turbidity (NTU)	60	0	>50	9	15	92.7	2.1	4.1	5.7	14.5	33.8	55.9	180

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	342.9	1	25	

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: LONG CRK AT SR 1968 NR OAKBORO
Station #: Q8715000
Latitude: 35.26667 **Longitude:** -80.25693
Agency: YPDRBA

Hydrologic Unit Code: 03040105
Stream class: C
NC stream index: 13-17-31

Time period: 01/25/2006 to 12/14/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	72	0	<4	0	0		5.2	5.7	6.5	7.9	9.9	10.6	13.2
	72	0	<5	0	0		5.2	5.7	6.5	7.9	9.9	10.6	13.2
pH (SU)	72	0	<6	0	0		6.6	6.7	6.9	7.1	7.2	7.3	8.2
	72	0	>9	0	0		6.6	6.7	6.9	7.1	7.2	7.3	8.2
Spec. conductance (umhos/cm at 25°C)	72	0	N/A				92	131	174	208	250	300	347
Water Temperature (°C)	72	0	>32	0	0		1.4	6.4	9.2	18.8	23.2	25.2	26.2
Other													
Turbidity (NTU)	52	1	>50	2	3.8		1.5	2.3	3.3	5.8	11.8	22.7	70

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
1	250	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: LONG CRK AT SR 1917 NR ROCKY RIVER SPRINGS

Station #: Q8720000

Hydrologic Unit Code: 03040105

Latitude: 35.22392

Longitude: -80.25857

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-31

Time period: 01/25/2006 to 07/29/2008

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	44	0	<4	0	0		5.5	6	6.3	7.6	9.1	10.7	11.1
	44	0	<5	0	0		5.5	6	6.3	7.6	9.1	10.7	11.1
pH (SU)	44	0	<6	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.6
	44	0	>9	0	0		6.6	6.8	6.9	7.1	7.2	7.3	7.6
Spec. conductance (umhos/cm at 25°C)	44	0	N/A				109	144	185	216	254	310	352
Water Temperature (°C)	44	0	>32	0	0		5.7	6.6	10.8	19.9	23.6	25.3	26.5
Other													
Turbidity (NTU)	31	0	>50	1	3.2		1.2	2	2.8	5.6	14	29.6	110

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: RICHARDSON CRK AT SR 1751 WALKUP AVE AT MONROE

Station #: Q8800000

Hydrologic Unit Code: 03040105

Latitude: 34.98970

Longitude: -80.50965

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-36-(5)

Time period: 01/26/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.7	6.3	6.5	7.3	9.5	10.6	13.4
	85	0	<5	0	0		5.7	6.3	6.5	7.3	9.5	10.6	13.4
pH (SU)	85	0	<6	0	0		6.4	6.7	6.8	6.9	7	7.2	7.3
	85	0	>9	0	0		6.4	6.7	6.8	6.9	7	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				104	130	140	163	191	219	502
Water Temperature (°C)	85	0	>32	0	0		1.1	4.9	10.4	18.2	22.4	24.3	26.5
Other													
Turbidity (NTU)	60	0	>50	3	5		1.8	3.6	5.4	10.4	20	43.8	210
Nutrients (mg/L)													
NH3 as N	60	5	N/A				0.01	0.01	0.03	0.07	0.12	0.17	0.84
NO2 + NO3 as N	60	1	N/A				0.01	0.94	2.58	7.18	12.93	16.26	18.2
TKN as N	60	0	N/A				0.47	0.77	0.91	1.16	1.72	2.25	4.9
Total Phosphorus	60	0	N/A				0.12	0.27	0.39	0.97	1.64	1.88	2.96
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	253.5	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: RICHARDSON CRK AT SR 1006 NR MONROE

Station #: Q8820000

Hydrologic Unit Code: 03040105

Latitude: 35.03220

Longitude: -80.47163

Stream class: C

Agency: YPDRBA

NC stream index: 13-17-36-(5)

Time period: 01/26/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.8	6.4	6.6	7.3	9.5	10.6	13.3
	85	0	<5	0	0		5.8	6.4	6.6	7.3	9.5	10.6	13.3
pH (SU)	85	0	<6	0	0		6.5	6.8	6.8	6.9	7	7.2	7.4
	85	0	>9	0	0		6.5	6.8	6.8	6.9	7	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				106	134	154	180	214	255	978
Water Temperature (°C)	85	0	>32	0	0		1.2	5.2	11.1	18.4	22.5	24.5	26.8
Other													
Turbidity (NTU)	59	0	>50	4	6.8		1.8	2.9	3.9	6.3	17	50	290
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.02	0.07	0.13	0.21	0.73
NO2 + NO3 as N	60	0	N/A				0.84	2.69	6.09	16.76	26.58	32.71	38.5
TKN as N	60	0	N/A				0.28	0.97	1.25	1.56	1.88	2.2	2.85
Total Phosphorus	60	0	N/A				0.05	0.53	0.69	1.8	3.19	3.56	4.36
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	238.3	0	0										

Key:

result: number of observations

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

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

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

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

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

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

Location: LANES CRK AT SR 1005 LANDSFORD RD NR MARSHVILLE

Station #: Q9021300

Hydrologic Unit Code: 03040105

Latitude: 34.92316

Longitude: -80.34210

Stream class: WS-V

Agency: YPDRBA

NC stream index: 13-17-40-(1)

Time period: 10/19/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	69	0	<4	3	4.3		0.7	4.4	5.3	6.5	7.5	10	12
	69	0	<5	12	17.4	> 99.9	0.7	4.4	5.3	6.5	7.5	10	12
pH (SU)	69	0	<6	0	0		6.2	6.4	6.5	6.6	6.8	7.2	7.3
	69	0	>9	0	0		6.2	6.4	6.5	6.6	6.8	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	69	0	N/A				68	157	176	202	234	317	412
Water Temperature (°C)	69	0	>32	0	0		1	3.9	10.9	18.3	22.2	24.2	26.2
Other													
TSS (mg/L)	48	0	N/A				1.9	2.8	3.3	6	9.7	26.9	1770
Turbidity (NTU)	48	0	>50	5	10.4	65.3	4.2	4.9	7	11.5	21.5	59.5	800
Nutrients (mg/L)													
NH3 as N	48	9	N/A				0.01	0.01	0.02	0.08	0.2	0.4	1.55
NO2 + NO3 as N	48	7	>10	0	0		0.01	0.01	0.04	0.78	2	3.09	4.79
TKN as N	48	1	N/A				0.2	0.6	0.93	1.43	2.05	2.36	4.11
Total Phosphorus	48	0	N/A				0.03	0.11	0.21	0.36	0.61	0.89	1.78
Metals (ug/L)													
Aluminum, total (Al)	4	0	N/A				243	243	304	820	21692	28538	28538
Arsenic, total (As)	4	3	>10	0	0		5	5	5	5	9	10	10
Cadmium, total (Cd)	4	4	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	4	3	>50	0	0		5	5	5	5	28	35	35
Copper, total (Cu)	4	0	>7	1	25		4	4	5	7	17	20	20
Iron, total (Fe)	4	0	>1000	3	75		742	742	816	1290	24086	31600	31600
Lead, total (Pb)	4	3	>25	0	0		5	5	5	5	18	23	23
Manganese, total (Mn)	4	0	>200	1	25		27	27	29	40	979	1290	1290
Mercury, total (Hg)	4	4	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	4	4	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	4	2	>50	1	25		10	10	10	12	82	105	105
Fecal Coliform Screening(#/100mL)													
# results:	Geomean	# > 400:	% > 400:	%Conf:									
4	423.3	2	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: BEAVERDAM CRK AT SR 1005 NR MARSHVILLE

Station #: Q9021510

Hydrologic Unit Code: 03040105

Latitude: 34.95439

Longitude: -80.35166

Stream class: WS-V

Agency: YPDRBA

NC stream index: 13-17-40-11

Time period: 01/26/2006 to 09/27/2006

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	13	0	<4	13	100	> 99.9	0.1	0.5	1.3	2.1	2.3	3.4	3.6
	13	0	<5	13	100	> 99.9	0.1	0.5	1.3	2.1	2.3	3.4	3.6
pH (SU)	13	0	<6	0	0		6.3	6.3	6.5	6.5	6.8	7.1	7.1
	13	0	>9	0	0		6.3	6.3	6.5	6.5	6.8	7.1	7.1
Spec. conductance (umhos/cm at 25°C)	13	0	N/A				167	167	190	261	355	396	406
Water Temperature (°C)	13	0	>32	0	0		3.2	5.6	12.2	19.5	22	22.6	22.7
Other													
TSS (mg/L)	9	0	N/A				2.2	2.2	3.8	5.8	11.5	14	14
Turbidity (NTU)	9	0	>50	0	0		3.5	3.5	4.8	6.3	9.6	18	18
Nutrients (mg/L)													
NH3 as N	9	1	N/A				0.01	0.01	0.06	0.11	0.45	1.14	1.14
NO2 + NO3 as N	9	2	>10	0	0		0.01	0.01	0.04	0.1	0.84	3.68	3.68
TKN as N	9	0	N/A				0.33	0.33	0.97	1.71	1.76	2.18	2.18
Total Phosphorus	9	0	N/A				0.06	0.06	0.26	0.53	0.8	0.87	0.87
Metals (ug/L)													
Aluminum, total (Al)	3	0	N/A				89	89	89	156	175	175	175
Arsenic, total (As)	3	2	>10	0	0		5	5	5	5	6	6	6
Cadmium, total (Cd)	3	3	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	3	3	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	3	1	>7	0	0		2	2	2	3	3	3	3
Iron, total (Fe)	3	0	>1000	2	66.7		813	813	813	1872	2441	2441	2441
Lead, total (Pb)	3	3	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	3	0	>200	2	66.7		28	28	28	462	957	957	957
Mercury, total (Hg)	3	3	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	3	1	>25	0	0		10	10	10	12	12	12	12
Zinc, total (Zn)	3	3	>50	0	0		10	10	10	10	10	10	10

Key:

result: number of observations

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

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

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

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

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

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

Location: LITTLE RIV AT SR 1148 NR ELLERBE
Station #: Q9320000
Latitude: 35.10633 **Longitude:** -79.89895
Agency: YPDRBA

Hydrologic Unit Code: 03040104
Stream class: WS-IV
NC stream index: 13-25-(37.5)

Time period: 01/26/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		4.2	5.5	6.4	7.1	8.9	11	12.9
	85	0	<5	3	3.5		4.2	5.5	6.4	7.1	8.9	11	12.9
pH (SU)	85	0	<6	0	0		6.4	6.5	6.7	7	7.2	7.2	7.3
	85	0	>9	0	0		6.4	6.5	6.7	7	7.2	7.2	7.3
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				54	81	106	142	178	210	311
Water Temperature (°C)	85	0	>32	0	0		1.1	6	11.4	19.3	23.5	24.7	27.6
Other													
Turbidity (NTU)	60	0	>50	3	5		3.4	4.3	5.2	9.3	16.8	43.9	160

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	221.9	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: TOMS BRANCH AT SR 1310 NR ELLERBE
Station #: Q9340000
Latitude: 35.08783 **Longitude:** -79.78942
Agency: YPDRBA

Hydrologic Unit Code: 03040104
Stream class: C
NC stream index: 13-28-2-4

Time period: 01/26/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	83	0	<4	0	0		5.7	6.3	6.5	7.3	9.7	10.9	13.6
	83	0	<5	0	0		5.7	6.3	6.5	7.3	9.7	10.9	13.6
pH (SU)	83	0	<6	0	0		6.5	6.8	6.9	7	7.1	7.2	7.4
	83	0	>9	0	0		6.5	6.8	6.9	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	83	0	N/A				89	111	124	153	181	222	265
Water Temperature (°C)	83	0	>32	0	0		0.8	5.2	10.5	18.1	22.5	24.5	27
Other													
Turbidity (NTU)	56	0	>50	5	8.9		2.1	4.7	6.7	10.5	17.5	38.2	180

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
3	161.6	0	0	

Key:

result: number of observations

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

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

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

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

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

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

Location: PEE DEE RIV AT US 74 NR ROCKINGHAM

Station #: Q9400000

Hydrologic Unit Code: 03040201

Latitude: 34.94567

Longitude: -79.86910

Stream class: C

Agency: YPDRBA

NC stream index: 13-(34)

Time period: 01/26/2006 to 12/15/2010

	# results	# ND	EL	Results not meeting EL			Percentiles						
				#	%	%Conf	Min	10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	85	0	<4	0	0		5.3	6.3	6.7	7.4	9.4	11	13.2
	85	0	<5	0	0		5.3	6.3	6.7	7.4	9.4	11	13.2
pH (SU)	85	0	<6	0	0		6.5	6.8	6.9	7.1	7.2	7.3	7.4
	85	0	>9	0	0		6.5	6.8	6.9	7.1	7.2	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	85	0	N/A				79	96	104	118	152	172	221
Water Temperature (°C)	85	0	>32	0	0		2	5.4	12.5	19.8	23.1	25.5	27.8
Other													
TSS (mg/L)	60	0	N/A				2.4	4.5	6	9.2	13.8	18.9	60
Turbidity (NTU)	60	0	>50	3	5		4.5	6.7	8.4	11.5	20.5	33.9	65
Nutrients (mg/L)													
NH3 as N	60	8	N/A				0.01	0.01	0.04	0.09	0.13	0.2	0.3
NO2 + NO3 as N	60	0	N/A				0.09	0.16	0.29	0.57	0.68	0.85	0.97
TKN as N	60	3	N/A				0.2	0.26	0.39	0.61	0.76	1.13	3.29
Total Phosphorus	60	5	N/A				0.02	0.03	0.06	0.09	0.12	0.18	0.53
Metals (ug/L)													
Aluminum, total (Al)	7	0	N/A				429	429	597	768	1628	1909	1909
Arsenic, total (As)	7	7	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	7	7	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	7	7	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	7	1	>7	0	0		2	2	2	4	4	5	5
Iron, total (Fe)	7	0	>1000	5	71.4		471	471	940	1329	2013	2093	2093
Lead, total (Pb)	7	7	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	7	7	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	7	7	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	7	7	>50	0	0		10	10	10	10	10	10	10

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
4	105.4	0	0	

Key:

result: number of observations

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

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

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

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

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