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

Location: TAR RIV AT US 158 NR BEREA
Station #: O0057000 **Hydrologic Unit Code:** 03020101
Latitude: 36.33412 **Longitude:** -78.76803 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-(1)

Time period: 03/07/2007 to 11/15/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	57	0	<4	4	7		3	4.2	5.1	7.4	10.2	12.4	17
	57	0	<5	12	21.1	> 99.9	3	4.2	5.1	7.4	10.2	12.4	17
pH (SU)	57	0	<6	4	7		5	6	6.2	6.7	6.9	7	8
	57	0	>9	0	0		5	6	6.2	6.7	6.9	7	8
Spec. conductance (umhos/cm at 25°C)	57	4	N/A				50	52	63	80	88	93	153
Water Temperature (°C)	57	0	>32	0	0		2.8	6.6	12.4	19.5	23	24.3	25.9
Other													
TSS (mg/L)	40	1	N/A				1.5	2	3	4.9	10.5	21.8	108
Turbidity (NTU)	40	0	>50	2	5		3	5	7	11	17.8	29.9	130
Nutrients (mg/L)													
NH3 as N	40	11	N/A				0.01	0.01	0.01	0.04	0.07	0.17	0.24
NO2 + NO3 as N	40	4	>10	0	0		0.01	0.01	0.03	0.06	0.14	0.23	0.33
TKN as N	40	3	N/A				0.2	0.21	0.33	0.49	0.91	1.31	2.06
Total Phosphorus	40	6	N/A				0.02	0.02	0.04	0.05	0.07	0.11	0.16
Metals (ug/L)													
Aluminum, total (Al)	23	0	N/A				66	88	121	230	378	1336	4337
Arsenic, total (As)	23	23	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	23	23	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	23	22	>50	0	0		5	5	5	5	5	5	9
Copper, total (Cu)	23	18	>7	0	0		2	2	2	2	2	3	6
Iron, total (Fe)	23	0	>1000	17	73.9	> 99.9	614	777	891	1197	1571	2678	5990
Lead, total (Pb)	23	23	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	23	0	>200	5	21.7	> 99.9	25	27	32	40	161	490	2701
Mercury, total (Hg)	23	23	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	23	23	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	23	15	>50	0	0		10	10	10	10	11	16	23

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
40	68.1	5	12.5	

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

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

Location: FOUNDRY BRANCH AT SR 1649 NEW COMMERCE DR AT OXFORD

Station #: O0310000 **Hydrologic Unit Code:** 03020101
Latitude: 36.29210 **Longitude:** -78.58294 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-11-2

Time period: 03/07/2007 to 01/29/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	41	0	<4	5	12.2	77.7	1.8	3.4	5.1	7.4	9.1	11.7	14.6
	41	0	<5	9	22	> 99.9	1.8	3.4	5.1	7.4	9.1	11.7	14.6
pH (SU)	41	0	<6	0	0		6.3	6.5	6.7	7	7.1	7.2	7.4
	41	0	>9	0	0		6.3	6.5	6.7	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	41	0	N/A				80	95	151	220	256	304	363
Water Temperature (°C)	41	0	>32	0	0		3.9	7	13.4	19.2	21.3	22.7	27.2
Other													
Turbidity (NTU)	25	0	>50	2	8		3.1	4.7	6.5	19	38	59	110
Nutrients (mg/L)													
NH3 as N	25	7	N/A				0.01	0.01	0.01	0.04	0.09	0.16	0.24
NO2 + NO3 as N	25	0	N/A				0.06	0.16	0.27	0.35	0.47	0.51	0.56
TKN as N	25	0	N/A				0.23	0.37	0.44	0.61	1	1.17	1.49
Total Phosphorus	25	1	N/A				0.02	0.05	0.08	0.1	0.16	0.18	0.23

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
25	216	11	44	99.8

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

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

Location: FISHING CRK UPS SR 1607 KNOTTS GROVE RD NR OXFORD
Station #: O0320000 **Hydrologic Unit Code:** 03020101
Latitude: 36.27703 **Longitude:** -78.59113 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-11

Time period: 02/03/2010 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	16	0	<4	0	0		6.3	6.5	7.4	7.9	9.5	13	13.5
	16	0	<5	0	0		6.3	6.5	7.4	7.9	9.5	13	13.5
pH (SU)	16	0	<6	0	0		6.8	7.1	7.3	7.6	7.8	8.2	8.5
	16	0	>9	0	0		6.8	7.1	7.3	7.6	7.8	8.2	8.5
Spec. conductance (umhos/cm at 25°C)	16	0	N/A				143	153	197	367	548	622	684
Water Temperature (°C)	16	0	>32	0	0		3.5	7.8	14.2	19.6	24.2	25.6	26.4
Other													
Turbidity (NTU)	11	0	>50	0	0		2	2.1	3.3	5.2	15	33.6	36
Nutrients (mg/L)													
NH3 as N	11	0	N/A				0.02	0.02	0.04	0.07	0.08	0.24	0.27
NO2 + NO3 as N	11	0	N/A				0.2	0.21	0.25	0.53	3.24	4.17	4.28
TKN as N	11	0	N/A				0.82	0.84	0.94	1.38	1.4	2.15	2.31
Total Phosphorus	11	0	N/A				0.04	0.04	0.07	0.12	0.39	0.71	0.74

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
11	123.2	2	18.2	

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

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

Location: TAR RIV AT SR 1003 SIMS BRIDGE RD NR LOUISBURG
Station #: O1025000 **Hydrologic Unit Code:** 03020101
Latitude: 36.14222 **Longitude:** -78.37218 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-(15.5)

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	1	1.5		3.5	5.8	6.8	7.3	9.4	12	13.5
	65	0	<5	1	1.5		3.5	5.8	6.8	7.3	9.4	12	13.5
pH (SU)	65	0	<6	1	1.5		5.4	6.5	6.7	6.9	7.1	7.2	7.6
	65	0	>9	0	0		5.4	6.5	6.7	6.9	7.1	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	65	0	N/A				54	72	86	101	112	132	175
Water Temperature (°C)	65	0	>32	0	0		0.7	5.9	12.2	20.7	24.3	25.9	28.3
Other													
TSS (mg/L)	45	2	N/A				3	3.3	4.3	7.9	13.5	40	128
Turbidity (NTU)	45	0	>50	5	11.1	70.8	4.5	6.7	8.1	12	25.5	67	230
Nutrients (mg/L)													
NH3 as N	45	14	N/A				0.01	0.01	0.01	0.03	0.08	0.14	0.35
NO2 + NO3 as N	45	2	>10	0	0		0.01	0.03	0.06	0.1	0.18	0.23	0.32
TKN as N	45	2	N/A				0.2	0.26	0.37	0.53	0.77	1.03	1.54
Total Phosphorus	45	0	N/A				0.02	0.04	0.05	0.07	0.09	0.14	0.29
Metals (ug/L)													
Aluminum, total (Al)	28	0	N/A				96	126	235	314	512	2220	12025
Arsenic, total (As)	28	28	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	28	28	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	28	27	>50	0	0		5	5	5	5	5	5	9
Copper, total (Cu)	28	16	>7	1	3.6		2	2	2	2	3	3	13
Iron, total (Fe)	28	0	>1000	27	96.4	> 99.9	453	1126	1333	1580	2003	4439	9260
Lead, total (Pb)	28	27	>25	0	0		5	5	5	5	5	5	6
Manganese, total (Mn)	28	0	>200	11	39.3	> 99.9	37	61	88	174	385	574	624
Mercury, total (Hg)	28	28	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	28	28	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	28	23	>50	0	0		10	10	10	10	10	13	22

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
45	112.9	8	17.8	

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

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

Location: TABBS CRK AT SR 1100 EGYPT MOUNTAIN RD NR KITTRELL
Station #: O1030000 **Hydrologic Unit Code:** 03020101
Latitude: 36.18229 **Longitude:** -78.45562 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-17-(0.5)

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	63	0	<4	3	4.8		1.5	4.2	5.6	7	9	11.6	13.4
	63	0	<5	13	20.6	> 99.9	1.5	4.2	5.6	7	9	11.6	13.4
pH (SU)	63	0	<6	1	1.6		5.7	6.4	6.7	6.9	7.1	7.2	7.6
	63	0	>9	0	0		5.7	6.4	6.7	6.9	7.1	7.2	7.6
Spec. conductance (umhos/cm at 25°C)	63	0	N/A				53	85	100	108	121	132	183
Water Temperature (°C)	63	0	>32	0	0		0.9	5.8	12.1	19.8	23	24.6	26.2
Other													
TSS (mg/L)	43	1	N/A				1.3	3.3	5.7	10	23	49.2	84
Turbidity (NTU)	43	0	>50	3	7		5	7.2	9.1	19	29	48	190
Nutrients (mg/L)													
NH3 as N	43	9	N/A				0.01	0.01	0.01	0.06	0.09	0.16	0.53
NO2 + NO3 as N	43	2	N/A				0.01	0.03	0.06	0.1	0.17	0.22	0.36
TKN as N	43	2	N/A				0.2	0.27	0.44	0.65	0.87	1.37	2.87
Total Phosphorus	43	2	N/A				0.02	0.03	0.06	0.08	0.12	0.15	0.21

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
43	116.7	9	20.9	64.7

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

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

Location: CEDAR CRK AT SR 1116 CEDAR CREEK RD NR FRANKLINTON

Station #: O1600000 **Hydrologic Unit Code:** 03020101
Latitude: 36.06615 **Longitude:** -78.43130 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-29-(2)

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	64	0	<4	0	0		5.8	6.6	7.1	7.8	9.9	11.6	13.5
	64	0	<5	0	0		5.8	6.6	7.1	7.8	9.9	11.6	13.5
pH (SU)	64	0	<6	0	0		6.2	6.5	6.8	7	7.2	7.4	7.5
	64	0	>9	0	0		6.2	6.5	6.8	7	7.2	7.4	7.5
Spec. conductance (umhos/cm at 25°C)	64	0	N/A				52	68	72	80	88	92	112
Water Temperature (°C)	64	0	>32	0	0		2.5	7.3	12.7	21.1	24.8	25.8	27.9
Other													
Turbidity (NTU)	44	0	>50	2	4.5		6.9	7.5	9.1	12.5	19.8	33	60
Nutrients (mg/L)													
NH3 as N	44	9	N/A				0.01	0.01	0.01	0.05	0.13	0.24	0.61
NO2 + NO3 as N	44	0	N/A				0.02	0.04	0.08	0.14	0.2	0.28	0.5
TKN as N	44	2	N/A				0.2	0.26	0.32	0.53	0.63	1.18	1.63
Total Phosphorus	44	3	N/A				0.01	0.02	0.05	0.06	0.08	0.11	0.18

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
44	74.3	2	4.5	

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

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

Location: CEDAR CRK AT SR 1109 TIMBERLAKE RD NR LOUISBURG

Station #: O1920000 **Hydrologic Unit Code:** 03020101
Latitude: 36.06024 **Longitude:** -78.35373 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-29-(2)

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	58	0	<4	0	0		6.4	6.7	7.1	7.7	9.9	11.6	13.6
	58	0	<5	0	0		6.4	6.7	7.1	7.7	9.9	11.6	13.6
pH (SU)	58	0	<6	0	0		6.5	6.7	6.9	7.1	7.2	7.4	7.9
	58	0	>9	0	0		6.5	6.7	6.9	7.1	7.2	7.4	7.9
Spec. conductance (umhos/cm at 25°C)	58	0	N/A				78	126	168	226	342	440	589
Water Temperature (°C)	58	0	>32	0	0		2	6	12.7	20.6	24.2	26	27.9
Other													
Turbidity (NTU)	38	0	>50	4	10.5	67	8	10.9	13.8	19.5	33.2	81.2	110
Nutrients (mg/L)													
NH3 as N	38	6	N/A				0.01	0.01	0.03	0.05	0.11	0.15	0.2
NO2 + NO3 as N	38	0	N/A				0.06	0.27	0.38	0.62	0.76	0.97	1.19
TKN as N	38	2	N/A				0.2	0.29	0.5	0.67	0.89	1.21	1.36
Total Phosphorus	38	1	N/A				0.02	0.05	0.06	0.08	0.11	0.16	0.51

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
38	134.9	7	18.4	

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

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

Location: TAR RIV AT SR 1001 NR BUNN

Station #: O2000000 **Hydrologic Unit Code:** 03020101
Latitude: 36.00228 **Longitude:** -78.24334 **Stream class:** WS-V NSW
Agency: TPBA **NC stream index:** 28-(24.7)

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	0	0		4.2	5	5.5	6.7	9.1	11.6	14
	65	0	<5	6	9.2		4.2	5	5.5	6.7	9.1	11.6	14
pH (SU)	65	0	<6	1	1.5		5.3	6.6	6.8	7	7.1	7.3	8
	65	0	>9	0	0		5.3	6.6	6.8	7	7.1	7.3	8
Spec. conductance (umhos/cm at 25°C)	65	0	N/A				51	72	89	108	127	137	161
Water Temperature (°C)	65	0	>32	0	0		1.6	6.3	12.3	20.9	25.6	27.8	29.2
Other													
Turbidity (NTU)	45	0	>50	2	4.4		7.5	9.3	11	15	23	40.8	80
Nutrients (mg/L)													
NH3 as N	45	9	N/A				0.01	0.01	0.02	0.05	0.09	0.14	0.24
NO2 + NO3 as N	45	0	>10	0	0		0.02	0.1	0.11	0.15	0.2	0.26	0.33
TKN as N	45	4	N/A				0.2	0.2	0.42	0.57	0.69	0.97	1.54
Total Phosphorus	45	1	N/A				0.02	0.04	0.06	0.07	0.1	0.14	0.47

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
45	97.4	4	8.9	

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

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

Location: CROOKED CRK AT SR 1719 BUNN ELEMENTARY SCHOOL RD NR BUNN
Station #: O2015000 **Hydrologic Unit Code:** 03020101
Latitude: 35.94504 **Longitude:** -78.26054 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-30

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	37	56.1	> 99.9	0.1	0.5	1.8	3.2	7.4	9.4	14
	66	0	<5	45	68.2	> 99.9	0.1	0.5	1.8	3.2	7.4	9.4	14
pH (SU)	66	0	<6	1	1.5		5.8	6.3	6.4	6.6	6.7	6.9	7.2
	66	0	>9	0	0		5.8	6.3	6.4	6.6	6.7	6.9	7.2
Spec. conductance (umhos/cm at 25°C)	66	1	N/A				50	57	64	82	105	122	170
Water Temperature (°C)	66	0	>32	0	0		3.1	7.4	14.6	21.9	25.5	27.1	29
Other													
Turbidity (NTU)	46	0	>50	1	2.2		3.3	4.1	5.3	7.9	17.8	28.9	52
Nutrients (mg/L)													
NH3 as N	46	13	N/A				0.01	0.01	0.01	0.04	0.09	0.16	0.23
NO2 + NO3 as N	46	34	N/A				0.01	0.01	0.01	0.01	0.01	0.04	0.09
TKN as N	46	2	N/A				0.2	0.32	0.45	0.69	0.88	1.17	1.5
Total Phosphorus	46	2	N/A				0.02	0.05	0.06	0.09	0.14	0.2	0.35

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	82.8	4	8.7	

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

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

Location: CROOKED CRK AT NC 98 NR BUNN

Station #: O2020000 **Hydrologic Unit Code:** 03020101
Latitude: 35.93863 **Longitude:** -78.20892 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-30

Time period: 03/07/2007 to 12/09/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	27	40.9	> 99.9	1.2	1.8	3	4.8	7.6	10.4	13.6
	66	0	<5	35	53	> 99.9	1.2	1.8	3	4.8	7.6	10.4	13.6
pH (SU)	66	0	<6	0	0		6.1	6.3	6.6	6.7	6.9	7	7.2
	66	0	>9	0	0		6.1	6.3	6.6	6.7	6.9	7	7.2
Spec. conductance (umhos/cm at 25°C)	66	1	N/A				50	62	71	88	112	141	190
Water Temperature (°C)	66	0	>32	0	0		3	7.3	14.4	22.7	26.7	28.1	31.6
Other													
Turbidity (NTU)	46	0	>50	1	2.2		4.1	6.3	7.3	8.8	15.2	22.8	100
Nutrients (mg/L)													
NH3 as N	46	9	N/A				0.01	0.01	0.02	0.04	0.09	0.18	0.62
NO2 + NO3 as N	46	25	N/A				0.01	0.01	0.01	0.01	0.03	0.06	0.11
TKN as N	46	1	N/A				0.2	0.48	0.61	0.8	1.02	1.29	3.6
Total Phosphorus	46	1	N/A				0.02	0.06	0.07	0.09	0.12	0.19	1.04

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	51.9	2	4.3	

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

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

Location: TAR RIV AT SR 1145 OLD SPRING HOPE RD NR SPRING HOPE
Station #: O2101000 **Hydrologic Unit Code:** 03020101
Latitude: 35.90506 **Longitude:** -78.11319 **Stream class:** WS-V NSW
Agency: TPBA **NC stream index:** 28-(24.7)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	2	3.1		3.5	4.8	5.6	7	9.7	11.9	15.1
	65	0	<5	7	10.8	67.7	3.5	4.8	5.6	7	9.7	11.9	15.1
pH (SU)	66	0	<6	3	4.5		5.3	6.2	6.6	6.8	7	7.2	7.8
	66	0	>9	0	0		5.3	6.2	6.6	6.8	7	7.2	7.8
Spec. conductance (umhos/cm at 25°C)	66	1	N/A				50	77	84	103	121	132	145
Water Temperature (°C)	66	0	>32	0	0		0.1	7.4	12	21.2	25.5	27.1	29
Other													
Turbidity (NTU)	46	0	>50	2	4.3		3.7	5.8	7.3	11.5	19	26.9	140
Nutrients (mg/L)													
NH3 as N	46	12	N/A				0.01	0.01	0.01	0.03	0.12	0.17	0.51
NO2 + NO3 as N	46	2	>10	0	0		0.01	0.02	0.06	0.13	0.18	0.22	0.35
TKN as N	46	2	N/A				0.2	0.24	0.36	0.49	0.9	1.14	1.68
Total Phosphorus	46	4	N/A				0.02	0.02	0.05	0.08	0.11	0.16	0.66

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	48.8	5	10.9	

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

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

Location: TAR RIV AT NC 581 NR STANHOPE

Station #: O2102000 **Hydrologic Unit Code:** 03020101
Latitude: 35.88205 **Longitude:** -78.08932 **Stream class:** WS-V NSW
Agency: TPBA **NC stream index:** 28-(24.7)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	0	0		4	5	6	6.9	9.6	12	15
	65	0	<5	6	9.2		4	5	6	6.9	9.6	12	15
pH (SU)	66	0	<6	2	3		5.6	6.5	6.8	7	7.1	7.3	7.4
	66	0	>9	0	0		5.6	6.5	6.8	7	7.1	7.3	7.4
Spec. conductance (umhos/cm at 25°C)	66	1	N/A				50	75	82	106	123	138	153
Water Temperature (°C)	66	0	>32	0	0		0.1	7.2	11.9	21.2	25.4	27	29
Other													
Turbidity (NTU)	46	0	>50	2	4.3		3.1	5	6.6	11	15.5	24.3	84
Nutrients (mg/L)													
NH3 as N	46	9	N/A				0.01	0.01	0.01	0.04	0.07	0.16	0.2
NO2 + NO3 as N	46	1	>10	0	0		0.01	0.03	0.08	0.15	0.19	0.24	0.36
TKN as N	46	1	N/A				0.2	0.28	0.36	0.52	0.87	1.18	5.91
Total Phosphorus	46	2	N/A				0.02	0.04	0.06	0.08	0.1	0.22	1.46

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	43	4	8.7	

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

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

Location: TAR RIV AT SR 1981 TAR RIVER CHURCH RD NR CLIFTONVILLE
Station #: O2140000 **Hydrologic Unit Code:** 03020101
Latitude: 35.84663 **Longitude:** -77.96394 **Stream class:** WS-IV NSW CA
Agency: TPBA **NC stream index:** 28-(35.5)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	1	1.5		3.3	4.4	5.4	6.4	8.9	11.3	14.3
	65	0	<5	8	12.3	80.1	3.3	4.4	5.4	6.4	8.9	11.3	14.3
pH (SU)	66	0	<6	3	4.5		5.5	6.6	6.9	7	7.1	7.3	7.5
	66	0	>9	0	0		5.5	6.6	6.9	7	7.1	7.3	7.5
Spec. conductance (umhos/cm at 25°C)	66	1	N/A				50	76	84	101	120	129	145
Water Temperature (°C)	66	0	>32	0	0		0.8	8.1	12.4	22.1	26.6	28.8	29.9
Other													
Turbidity (NTU)	46	0	>50	3	6.5		5.2	8.4	10	14	19.5	45	190
Nutrients (mg/L)													
NH3 as N	46	7	N/A				0.01	0.01	0.02	0.05	0.11	0.17	0.37
NO2 + NO3 as N	46	2	>10	0	0		0.01	0.02	0.06	0.17	0.23	0.28	0.48
TKN as N	46	3	N/A				0.2	0.26	0.35	0.62	0.88	1.18	1.9
Total Phosphorus	46	1	N/A				0.02	0.04	0.06	0.08	0.12	0.22	3.21
Metals (ug/L)													
Aluminum, total (Al)	27	0	N/A				100	183	214	454	994	1933	7274
Arsenic, total (As)	27	27	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	27	27	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	27	26	>50	0	0		5	5	5	5	5	5	8
Copper, total (Cu)	27	10	>7	1	3.7		2	2	2	2	2	3	10
Iron, total (Fe)	27	0	>1000	24	88.9	> 99.9	640	911	1432	1609	2236	2823	3204
Lead, total (Pb)	27	26	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	27	0	>200	11	40.7	> 99.9	50	71	109	141	238	432	817
Mercury, total (Hg)	27	27	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	27	27	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	27	23	>50	0	0		10	10	10	10	10	16	25

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	88.9	9	19.6	

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

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

Location: SAPONY CRK AT SR 1704 BATCHELOR DR NR NASHVILLE
Station #: O2320000 **Hydrologic Unit Code:** 03020101
Latitude: 35.93201 **Longitude:** -77.93478 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-55-(5.5)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	37	56.9	> 99.9	0.5	1.1	1.9	3.5	6.7	8.9	11.8
	65	0	<5	45	69.2	> 99.9	0.5	1.1	1.9	3.5	6.7	8.9	11.8
pH (SU)	66	0	<6	2	3		5.6	6.2	6.6	6.8	6.9	7	7.6
	66	0	>9	0	0		5.6	6.2	6.6	6.8	6.9	7	7.6
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				63	81	95	109	125	138	257
Water Temperature (°C)	66	0	>32	0	0		0.5	6.4	12.2	20.4	24.3	25.9	27.7
Other													
Turbidity (NTU)	46	0	>50	0	0		3.7	5.1	7.1	10.3	15.5	24.9	36

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	109.4	7	15.2	

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

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

Location: TAR RIV AT US 301 BYP AT ROCKY MOUNT

Station #: O2360000 **Hydrologic Unit Code:** 03020101
Latitude: 35.92572 **Longitude:** -77.83067 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-(64.5)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	10	15.4	94.3	2	3.7	4.2	5.9	9.4	11.8	14.2
	65	0	<5	25	38.5	> 99.9	2	3.7	4.2	5.9	9.4	11.8	14.2
pH (SU)	66	0	<6	1	1.5		5.7	6.6	6.8	6.9	7.1	7.1	8.1
	66	0	>9	0	0		5.7	6.6	6.8	6.9	7.1	7.1	8.1
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				58	71	79	95	115	128	153
Water Temperature (°C)	66	0	>32	0	0		0.8	8.7	13.1	22.7	27.4	28.8	30.7
Other													
TSS (mg/L)	46	8	N/A				1	1	1.5	3.3	6	11.3	24
Turbidity (NTU)	46	0	>50	3	6.5		1.8	2.4	3.6	7.1	15	27.1	60
Nutrients (mg/L)													
NH3 as N	46	6	N/A				0.01	0.01	0.02	0.08	0.1	0.16	0.26
NO2 + NO3 as N	46	2	>10	0	0		0.01	0.06	0.11	0.16	0.24	0.39	0.99
TKN as N	46	1	N/A				0.2	0.38	0.57	0.7	0.98	1.3	3.2
Total Phosphorus	46	3	N/A				0.02	0.03	0.05	0.06	0.09	0.14	0.63

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	43	4	8.7	

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

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

Location: STONY CRK AT WINSTEAD AVE NR LITTLE EASONBURG
Station #: O3140000 **Hydrologic Unit Code:** 03020101
Latitude: 35.96880 **Longitude:** -77.84967 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-68

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	17	26.2	> 99.9	2.1	2.9	3.9	5.6	7.9	10.4	13.6
	65	0	<5	23	35.4	> 99.9	2.1	2.9	3.9	5.6	7.9	10.4	13.6
pH (SU)	66	0	<6	2	3		5.4	6.5	6.7	6.8	7	7.1	9.1
	66	0	>9	1	1.5		5.4	6.5	6.7	6.8	7	7.1	9.1
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				51	78	84	100	110	116	126
Water Temperature (°C)	66	0	>32	0	0		0.4	7.4	12.3	20.8	24.5	26.1	27.6
Other													
TSS (mg/L)	46	4	N/A				1	1.5	2	3.1	5.6	14.2	48
Turbidity (NTU)	46	0	>50	2	4.3		2.9	3.9	4.9	7.8	14.5	23.3	70
Nutrients (mg/L)													
NH3 as N	46	11	N/A				0.01	0.01	0.01	0.04	0.08	0.16	0.35
NO2 + NO3 as N	46	3	N/A				0.01	0.02	0.13	0.22	0.33	0.41	0.55
TKN as N	46	3	N/A				0.2	0.47	0.58	0.72	0.99	1.5	1.85
Total Phosphorus	46	1	N/A				0.02	0.06	0.07	0.09	0.14	0.19	0.61

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	153	13	28.3	93.8

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

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

Location: TAR RIV AT SR 1250 SPRINGFIELD RD AT ROCKY MOUNT
Station #: O3189000 **Hydrologic Unit Code:** 03020101
Latitude: 35.97789 **Longitude:** -77.75769 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-(69)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	1	1.5		3.7	5.2	5.9	6.9	9.8	11.9	14
	65	0	<5	4	6.2		3.7	5.2	5.9	6.9	9.8	11.9	14
pH (SU)	66	0	<6	0	0		6	6.5	6.7	7	7.1	7.3	7.7
	66	0	>9	0	0		6	6.5	6.7	7	7.1	7.3	7.7
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				61	76	83	96	119	135	454
Water Temperature (°C)	66	0	>32	0	0		2.6	8.5	13.2	22.6	26.9	28.6	31.1
Other													
TSS (mg/L)	46	7	N/A				1	1.1	1.9	4.1	9	34.6	55
Turbidity (NTU)	46	0	>50	2	4.3		1.7	2.8	3.4	8.1	16	35.3	75
Nutrients (mg/L)													
NH3 as N	46	6	N/A				0.01	0.01	0.03	0.06	0.1	0.16	0.57
NO2 + NO3 as N	46	0	N/A				0.04	0.06	0.14	0.19	0.26	0.33	0.45
TKN as N	46	3	N/A				0.2	0.32	0.48	0.64	0.87	1.31	3.03
Total Phosphorus	46	1	N/A				0.02	0.04	0.06	0.08	0.1	0.15	0.61
Metals (ug/L)													
Aluminum, total (Al)	27	3	N/A				50	50	97	298	617	1461	1948
Arsenic, total (As)	27	27	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	27	27	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	27	27	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	27	10	>7	0	0		2	2	2	2	3	4	5
Iron, total (Fe)	27	0	>1000	19	70.4	> 99.9	209	396	733	1429	1958	2896	8710
Lead, total (Pb)	27	27	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	27	27	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	27	27	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	27	19	>50	0	0		10	10	10	10	11	19	34

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	85.1	9	19.6	

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

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

Location: TAR RIV AT SR 1252 NR HARTSEASE
Station #: O3600000 **Hydrologic Unit Code:** 03020101
Latitude: 35.94090 **Longitude:** -77.65511 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-(74)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	0	0		5.3	5.8	6.7	7.2	9.5	11.8	14.1
	65	0	<5	0	0		5.3	5.8	6.7	7.2	9.5	11.8	14.1
pH (SU)	66	0	<6	0	0		6.4	6.7	6.9	7.1	7.3	7.5	7.7
	66	0	>9	0	0		6.4	6.7	6.9	7.1	7.3	7.5	7.7
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				62	86	100	122	170	206	309
Water Temperature (°C)	66	0	>32	0	0		2.6	8.7	13.2	22.8	26.6	28.4	30.6
Other													
TSS (mg/L)	46	7	N/A				1	1.1	2.2	6	10.2	26	78
Turbidity (NTU)	46	0	>50	2	4.3		1.8	2.4	3.3	7.6	16	27.4	190
Nutrients (mg/L)													
NH3 as N	46	6	N/A				0.01	0.01	0.02	0.06	0.09	0.17	0.45
NO2 + NO3 as N	46	0	>10	0	0		0.12	0.22	0.36	0.53	0.74	1.01	1.74
TKN as N	46	1	N/A				0.2	0.39	0.54	0.66	0.98	1.5	2.43
Total Phosphorus	46	1	N/A				0.02	0.04	0.07	0.09	0.16	0.2	0.59
Metals (ug/L)													
Aluminum, total (Al)	27	1	N/A				50	82	112	357	607	1454	2341
Arsenic, total (As)	27	27	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	27	27	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	27	27	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	27	6	>7	0	0		2	2	2	2	3	5	6
Iron, total (Fe)	27	0	>1000	17	63	> 99.9	272	328	776	1272	1939	2419	3616
Lead, total (Pb)	27	27	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	27	0	>200	5	18.5	> 99.9	48	54	84	112	175	252	286
Mercury, total (Hg)	27	27	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	27	27	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	27	14	>50	0	0		10	10	10	10	17	26	32

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	89.6	8	17.4	

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

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

Location: TAR RIV AT NC 33 NR TARBORO

Station #: O4100000 **Hydrologic Unit Code:** 03020101

Latitude: 35.92844 **Longitude:** -77.54984 **Stream class:** WS-IV NSW

Agency: TPBA **NC stream index:** 28-(74)

Time period: 03/13/2007 to 12/16/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	0	0		5.5	5.8	6.4	7.3	9.9	12.1	13.9
	65	0	<5	0	0		5.5	5.8	6.4	7.3	9.9	12.1	13.9
pH (SU)	66	0	<6	1	1.5		5.9	6.5	6.7	7	7.3	7.5	8.1
	66	0	>9	0	0		5.9	6.5	6.7	7	7.3	7.5	8.1
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				67	85	96	128	166	213	360
Water Temperature (°C)	66	0	>32	0	0		1.7	8.2	13.1	22.5	26.8	29.1	31.1
Other													
Turbidity (NTU)	46	0	>50	1	2.2		2	2.9	4.2	9.4	19	37.9	60
Nutrients (mg/L)													
NH3 as N	46	9	N/A				0.01	0.01	0.02	0.04	0.09	0.16	0.79
NO2 + NO3 as N	46	0	>10	0	0		0.09	0.14	0.32	0.44	0.58	0.79	1.34
TKN as N	46	2	N/A				0.2	0.31	0.52	0.68	1.05	1.42	1.93
Total Phosphorus	46	1	N/A				0.02	0.04	0.07	0.1	0.15	0.24	0.6

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	73.2	6	13	

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: FISHING CRK AT SR 1001 DR KING BLVD NR WARRENTON

Station #: O4300000 **Hydrologic Unit Code:** 03020102
Latitude: 36.38402 **Longitude:** -78.18135 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-(1)

Time period: 03/19/2007 to 12/17/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	18	27.3	> 99.9	1.4	2.6	3.8	5.9	8.4	11.3	13.8
	66	0	<5	25	37.9	> 99.9	1.4	2.6	3.8	5.9	8.4	11.3	13.8
pH (SU)	66	0	<6	5	7.6		3.9	6	6.4	6.6	6.8	7.2	8.1
	66	0	>9	0	0		3.9	6	6.4	6.6	6.8	7.2	8.1
Spec. conductance (umhos/cm at 25°C)	66	3	N/A				50	58	71	82	98	110	120
Water Temperature (°C)	66	0	>32	0	0		0.2	3.1	10.2	19	22.5	24	25.6
Other													
Turbidity (NTU)	46	0	>50	0	0		5.5	6.8	8.8	11	14	16.9	39
Nutrients (mg/L)													
NH3 as N	46	15	N/A				0.01	0.01	0.01	0.04	0.08	0.16	0.48
NO2 + NO3 as N	46	12	N/A				0.01	0.01	0.01	0.03	0.08	0.13	0.24
TKN as N	46	3	N/A				0.2	0.25	0.35	0.46	0.67	0.88	1.33
Total Phosphorus	46	5	N/A				0.02	0.02	0.04	0.06	0.08	0.1	0.62

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	51.9	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: FISHING CRK AT SR 1600 BALTIMORE RD NR WARRENTON

Station #: O4400500 **Hydrologic Unit Code:** 03020102
Latitude: 36.35735 **Longitude:** -78.14494 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-(1)

Time period: 03/19/2007 to 12/17/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	53	0	<4	0	0		4.4	5.6	6.5	7.9	10.2	12.7	14.2
	53	0	<5	1	1.9		4.4	5.6	6.5	7.9	10.2	12.7	14.2
pH (SU)	53	0	<6	1	1.9		5.2	6.4	6.5	6.9	7	7.1	7.3
	53	0	>9	0	0		5.2	6.4	6.5	6.9	7	7.1	7.3
Spec. conductance (umhos/cm at 25°C)	53	0	N/A				57	75	84	106	128	147	182
Water Temperature (°C)	53	0	>32	0	0		0.4	3.6	10.1	18.2	22.8	24.4	26.7
Other													
Turbidity (NTU)	38	0	>50	0	0		3.2	4.6	5.9	8	10	15.7	45
Nutrients (mg/L)													
NH3 as N	38	11	N/A				0.01	0.01	0.01	0.04	0.06	0.11	0.27
NO2 + NO3 as N	38	0	N/A				0.06	0.07	0.12	0.25	0.55	0.76	1.23
TKN as N	38	2	N/A				0.2	0.28	0.34	0.47	0.7	1.1	2.47
Total Phosphorus	38	1	N/A				0.02	0.05	0.06	0.09	0.12	0.15	0.67

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
38	68.1	3	7.9	

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

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

Location: FISHING CRK AT SR 1609 POWELLS MILL RD NR WARRENTON

Station #: O4403000 **Hydrologic Unit Code:** 03020102
Latitude: 36.33930 **Longitude:** -78.12880 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-(1)

Time period: 07/02/2010 to 09/30/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	6	0	<4	0	0		4.9	4.9	5.5	5.9	6.9	7.6	7.6
	6	0	<5	1	16.7		4.9	4.9	5.5	5.9	6.9	7.6	7.6
pH (SU)	6	0	<6	0	0		6.1	6.1	6.6	7.1	7.1	7.1	7.1
	6	0	>9	0	0		6.1	6.1	6.6	7.1	7.1	7.1	7.1
Spec. conductance (umhos/cm at 25°C)	6	0	N/A				99	99	120	138	169	171	171
Water Temperature (°C)	6	0	>32	0	0		18.7	18.7	18.8	21.1	24.5	25.3	25.3
Other													
Turbidity (NTU)	3	0	>50	0	0		3.7	3.7	3.7	5.3	10	10	10
Nutrients (mg/L)													
NH3 as N	3	0	N/A				0.05	0.05	0.05	0.07	0.13	0.13	0.13
NO2 + NO3 as N	3	0	N/A				0.16	0.16	0.16	0.24	0.24	0.24	0.24
TKN as N	3	0	N/A				0.36	0.36	0.36	0.69	0.88	0.88	0.88
Total Phosphorus	3	0	N/A				0.07	0.07	0.07	0.08	0.08	0.08	0.08

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
3	105.6	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: FISHING CRK AT NC 561 NR WOOD

Station #: O4480000 **Hydrologic Unit Code:** 03020102
Latitude: 36.20105 **Longitude:** -78.00401 **Stream class:** WS-V NSW
Agency: TPBA **NC stream index:** 28-79-(21)

Time period: 03/19/2007 to 12/17/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	4	6.1		1.3	4.4	6	7.2	10	11.9	13.8
	66	0	<5	11	16.7	> 99.9	1.3	4.4	6	7.2	10	11.9	13.8
pH (SU)	66	0	<6	1	1.5		5.4	6.6	6.8	7.1	7.2	7.3	8.2
	66	0	>9	0	0		5.4	6.6	6.8	7.1	7.2	7.3	8.2
Spec. conductance (umhos/cm at 25°C)	66	1	N/A				50	68	77	90	104	114	142
Water Temperature (°C)	66	0	>32	0	0		0.1	3.8	10.4	18.8	22.6	24.4	26.6
Other													
TSS (mg/L)	46	2	N/A				1.3	1.7	3.1	5	6.5	12.8	80
Turbidity (NTU)	46	0	>50	0	0		5.5	6.6	7.4	10.4	16.2	21.6	36
Nutrients (mg/L)													
NH3 as N	46	10	N/A				0.01	0.01	0.02	0.04	0.08	0.17	0.33
NO2 + NO3 as N	46	4	>10	0	0		0.01	0.01	0.03	0.07	0.12	0.15	0.25
TKN as N	46	4	N/A				0.13	0.2	0.34	0.5	0.75	0.9	1.46
Total Phosphorus	46	3	N/A				0.02	0.03	0.05	0.06	0.1	0.15	0.57

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	61.1	1	2.2	

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

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

Location: LITTLE FISHING CRK AT NC 481 NR WHITE OAK

Station #: O4630000 **Hydrologic Unit Code:** 03020102
Latitude: 36.18620 **Longitude:** -77.87601 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-25

Time period: 03/19/2007 to 12/17/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	4	6.1		1.9	4.4	5.1	6.8	9.2	12.1	13.9
	66	0	<5	12	18.2	> 99.9	1.9	4.4	5.1	6.8	9.2	12.1	13.9
pH (SU)	66	0	<6	2	3		5.7	6.4	6.7	6.9	7	7.1	7.4
	66	0	>9	0	0		5.7	6.4	6.7	6.9	7	7.1	7.4
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				53	65	76	93	105	116	131
Water Temperature (°C)	66	0	>32	0	0		0.1	3.8	10.7	19.2	23.2	25.1	26.7
Other													
TSS (mg/L)	46	8	N/A				1	1.1	1.9	3.3	7.1	12	18
Turbidity (NTU)	46	0	>50	0	0		1.3	3.9	5.5	8.2	12.2	14.6	27
Nutrients (mg/L)													
NH3 as N	46	15	N/A				0.01	0.01	0.01	0.04	0.06	0.13	0.29
NO2 + NO3 as N	46	6	N/A				0.01	0.01	0.04	0.06	0.1	0.12	0.38
TKN as N	46	1	N/A				0.2	0.29	0.41	0.52	0.82	1.19	1.53
Total Phosphorus	46	5	N/A				0.02	0.02	0.04	0.05	0.07	0.12	0.55

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	64.9	1	2.2	

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

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

Location: FISHING CRK AT SR 1222 BELLAMY MILL RD NR ENFIELD

Station #: O4670000 **Hydrologic Unit Code:** 03020102
Latitude: 36.15490 **Longitude:** -77.74036 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-79-(25.5)

Time period: 03/19/2007 to 12/17/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	1	1.5		3.7	4.5	5.5	7.2	9.5	12.6	13.7
	65	0	<5	12	18.5	> 99.9	3.7	4.5	5.5	7.2	9.5	12.6	13.7
pH (SU)	65	0	<6	0	0		6	6.6	6.8	7	7.1	7.2	7.8
	65	0	>9	0	0		6	6.6	6.8	7	7.1	7.2	7.8
Spec. conductance (umhos/cm at 25°C)	65	1	N/A				50	63	79	92	106	117	129
Water Temperature (°C)	65	0	>32	0	0		0.9	5.1	11.2	20.9	26.4	28	29.3
Other													
Turbidity (NTU)	45	0	>50	0	0		1.3	4.4	6	7.7	13.5	17	40
Nutrients (mg/L)													
NH3 as N	45	13	N/A				0.01	0.01	0.01	0.04	0.1	0.21	0.47
NO2 + NO3 as N	45	2	>10	0	0		0.01	0.02	0.04	0.1	0.14	0.2	0.28
TKN as N	45	2	N/A				0.2	0.29	0.4	0.52	0.79	0.99	1.42
Total Phosphorus	45	4	N/A				0.02	0.03	0.04	0.07	0.09	0.13	0.63

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
45	37.6	3	6.7	

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

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

Location: FISHING CRK AT SR 1109 ETHERIDGE FARM RD NR ENFIELD
Station #: O4690000 **Hydrologic Unit Code:** 03020102
Latitude: 36.11342 **Longitude:** -77.62704 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-(29)

Time period: 03/19/2007 to 11/29/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	57	0	<4	3	5.3		3.6	4.8	5.6	6.9	9.4	12.6	13.5
	57	0	<5	7	12.3	79.3	3.6	4.8	5.6	6.9	9.4	12.6	13.5
pH (SU)	57	0	<6	0	0		6	6.5	6.8	7	7.1	7.2	7.4
	57	0	>9	0	0		6	6.5	6.8	7	7.1	7.2	7.4
Spec. conductance (umhos/cm at 25°C)	57	0	N/A				54	74	82	94	111	120	134
Water Temperature (°C)	57	0	>32	0	0		1	5.7	11.8	20.9	26.1	27.7	29.7
Other													
Turbidity (NTU)	40	0	>50	0	0		4.5	4.9	6.8	9.1	13	18.8	40
Nutrients (mg/L)													
NH3 as N	40	12	N/A				0.01	0.01	0.01	0.04	0.06	0.25	0.76
NO2 + NO3 as N	40	2	N/A				0.01	0.03	0.07	0.13	0.19	0.24	0.32
TKN as N	40	1	N/A				0.2	0.29	0.39	0.57	0.83	1.16	2.08
Total Phosphorus	40	3	N/A				0.02	0.03	0.04	0.06	0.1	0.12	0.66

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
40	46.8	2	5	

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

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

Location: FISHING CRK AT NC 97 NR LAWRENCE
Station #: O4899000 **Hydrologic Unit Code:** 03020102
Latitude: 36.00828 **Longitude:** -77.52518 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-79-(30.5)

Time period: 03/19/2007 to 12/17/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	0	0		4.8	5.8	6.3	7	9.3	12.4	13.5
	65	0	<5	1	1.5		4.8	5.8	6.3	7	9.3	12.4	13.5
pH (SU)	65	0	<6	3	4.6		5.8	6.2	6.6	6.9	7.1	7.2	7.5
	65	0	>9	0	0		5.8	6.2	6.6	6.9	7.1	7.2	7.5
Spec. conductance (umhos/cm at 25°C)	65	0	N/A				60	78	85	101	112	125	137
Water Temperature (°C)	65	0	>32	0	0		1	5.4	11.9	21.1	26.2	28.1	30
Other													
TSS (mg/L)	46	4	N/A				1	1.9	3.1	4.9	8	10.2	27
Turbidity (NTU)	46	0	>50	0	0		2.6	4.6	6.4	9.5	14	19.3	39
Nutrients (mg/L)													
NH3 as N	46	13	N/A				0.01	0.01	0.01	0.04	0.11	0.21	1.16
NO2 + NO3 as N	46	3	>10	0	0		0.01	0.05	0.08	0.13	0.18	0.25	0.29
TKN as N	46	2	N/A				0.2	0.29	0.43	0.62	0.94	1.39	1.67
Total Phosphorus	46	3	N/A				0.02	0.03	0.05	0.07	0.1	0.13	0.56

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	45.2	1	2.2	

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

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

Location: UT TO DEEP CRK AT SR 1104 NR SCOTLAND NECK

Station #: O4995000 **Hydrologic Unit Code:** 03020102
Latitude: 36.13551 **Longitude:** -77.48517 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-32-(0.5)

Time period: 03/19/2007 to 11/29/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	51	78.5	> 99.9	0	0.1	0.3	1.1	3.4	8.1	12.8
	65	0	<5	53	81.5	> 99.9	0	0.1	0.3	1.1	3.4	8.1	12.8
pH (SU)	65	0	<6	8	12.3	80.1	4.6	5.9	6.1	6.5	6.6	6.8	7.4
	65	0	>9	0	0		4.6	5.9	6.1	6.5	6.6	6.8	7.4
Spec. conductance (umhos/cm at 25°C)	65	0	N/A				72	92	104	129	148	178	431
Water Temperature (°C)	65	0	>32	0	0		1.3	5.9	11.7	20.4	24	25.7	28.1
Other													
Turbidity (NTU)	45	0	>50	3	6.7		5.8	6.7	9.4	21	33.5	50	70
Nutrients (mg/L)													
NH3 as N	45	6	N/A				0.01	0.01	0.02	0.1	0.51	2.03	2.5
NO2 + NO3 as N	45	23	N/A				0.01	0.01	0.01	0.01	0.02	0.04	1.89
TKN as N	45	0	N/A				0.26	1.01	1.45	2.29	3.48	5.4	9.3
Total Phosphorus	45	0	N/A				0.04	0.07	0.14	0.23	0.38	0.63	0.93

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
45	138.5	9	20	

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

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

Location: DEEP CRK AT US 258 NR SCOTLAND NECK
Station #: O5100000 **Hydrologic Unit Code:** 03020102
Latitude: 36.10964 **Longitude:** -77.43827 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-79-32-(0.5)

Time period: 03/19/2007 to 11/29/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	64	0	<4	48	75	> 99.9	0.1	0.3	0.7	2	4	7.5	11.2
	64	0	<5	51	79.7	> 99.9	0.1	0.3	0.7	2	4	7.5	11.2
pH (SU)	64	0	<6	11	17.2	> 99.9	5.2	5.9	6.1	6.4	6.6	6.8	7.4
	64	0	>9	0	0		5.2	5.9	6.1	6.4	6.6	6.8	7.4
Spec. conductance (umhos/cm at 25°C)	64	0	N/A				53	84	117	182	224	276	343
Water Temperature (°C)	64	0	>32	0	0		2	5	12.8	20.2	24.4	26.7	28.5
Other													
Turbidity (NTU)	43	0	>50	0	0		3.6	4.8	7.5	10	22	35.6	45
Nutrients (mg/L)													
NH3 as N	43	12	N/A				0.01	0.01	0.01	0.04	0.08	0.25	0.52
NO2 + NO3 as N	43	23	N/A				0.01	0.01	0.01	0.01	0.03	0.1	0.31
TKN as N	43	0	N/A				0.68	0.87	1.2	1.56	2.37	3.21	4.15
Total Phosphorus	43	0	N/A				0.04	0.06	0.14	0.33	0.63	0.81	1.14

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
43	106.7	11	25.6	86.4

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

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

Location: TAR RIV AT NC 33 AND US 64 BUS AT TARBORO
Station #: O5250000 **Hydrologic Unit Code:** 03020103
Latitude: 35.89352 **Longitude:** -77.53233 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-(80)

Time period: 04/13/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	64	0	<4	0	0		5	5.8	6.5	7	9.1	11.2	14.3
	64	0	<5	0	0		5	5.8	6.5	7	9.1	11.2	14.3
pH (SU)	64	0	<6	2	3.1		5.5	6.1	6.5	6.9	7.1	7.3	8
	64	0	>9	0	0		5.5	6.1	6.5	6.9	7.1	7.3	8
Spec. conductance (umhos/cm at 25°C)	64	0	N/A				55	86	96	122	152	187	259
Water Temperature (°C)	64	0	>32	0	0		1.6	7.7	14.3	23.1	27.2	28.2	31.1
Other													
TSS (mg/L)	44	2	N/A				1.2	2.1	3.5	6.8	13	18.5	31
Turbidity (NTU)	44	0	>50	0	0		1.4	3.6	4.5	11	17	35	45
Nutrients (mg/L)													
NH3 as N	44	9	N/A				0.01	0.01	0.01	0.04	0.08	0.12	0.65
NO2 + NO3 as N	44	0	N/A				0.08	0.18	0.27	0.38	0.46	0.54	0.82
TKN as N	44	2	N/A				0.2	0.34	0.47	0.69	0.93	1.2	1.62
Total Phosphorus	44	0	N/A				0.04	0.05	0.06	0.1	0.13	0.19	0.24
Metals (ug/L)													
Aluminum, total (Al)	27	1	N/A				50	80	145	305	505	916	990
Arsenic, total (As)	27	27	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	27	27	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	27	27	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	27	14	>7	0	0		2	2	2	2	2	3	4
Iron, total (Fe)	27	0	>1000	19	70.4	> 99.9	258	596	844	1416	1812	2134	2326
Lead, total (Pb)	27	27	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	27	27	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	27	27	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	27	18	>50	0	0		10	10	10	10	13	20	35

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
44	56	4	9.1	

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

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

Location: TAR RIV AT US 64 NR TARBORO
Station #: O5270000 **Hydrologic Unit Code:** 03020103
Latitude: 35.88746 **Longitude:** -77.53873 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-(80)

Time period: 03/09/2007 to 03/09/2007

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	1	0	<4	0	0		8.8	8.8	8.8	8.8	8.8	8.8	8.8
	1	0	<5	0	0		8.8	8.8	8.8	8.8	8.8	8.8	8.8
pH (SU)	1	0	<6	0	0		6.7	6.7	6.7	6.7	6.7	6.7	6.7
	1	0	>9	0	0		6.7	6.7	6.7	6.7	6.7	6.7	6.7
Spec. conductance (umhos/cm at 25°C)	1	0	N/A				70	70	70	70	70	70	70
Water Temperature (°C)	1	0	>32	0	0		9.7	9.7	9.7	9.7	9.7	9.7	9.7
Other													
TSS (mg/L)	1	0	N/A				12	12	12	12	12	12	12
Turbidity (NTU)	1	0	>50	0	0		27	27	27	27	27	27	27
Nutrients (mg/L)													
NH3 as N	1	1	N/A				0.01	0.01	0.01	0.01	0.01	0.01	0.01
NO2 + NO3 as N	1	0	N/A				0.25	0.25	0.25	0.25	0.25	0.25	0.25
TKN as N	1	0	N/A				0.74	0.74	0.74	0.74	0.74	0.74	0.74
Total Phosphorus	1	0	N/A				0.15	0.15	0.15	0.15	0.15	0.15	0.15
Metals (ug/L)													
Aluminum, total (Al)	1	0	N/A				985	985	985	985	985	985	985
Arsenic, total (As)	1	1	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	1	1	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	1	1	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	1	1	>7	0	0		2	2	2	2	2	2	2
Iron, total (Fe)	1	0	>1000	1	100		1975	1975	1975	1975	1975	1975	1975
Lead, total (Pb)	1	1	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	1	1	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	1	1	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	1	1	>50	0	0		10	10	10	10	10	10	10

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
1	41	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 NC 111 SR 1202 NR WIGGINS CROSSROADS

Station #: O5600000 **Hydrologic Unit Code:** 03020103
Latitude: 35.82238 **Longitude:** -77.63390 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-83

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	39	59.1	> 99.9	0.5	1	1.8	3.3	5	8.1	13
	66	0	<5	49	74.2	> 99.9	0.5	1	1.8	3.3	5	8.1	13
pH (SU)	66	0	<6	10	15.2	93.8	4.8	5.9	6.2	6.5	6.7	6.8	7.2
	66	0	>9	0	0		4.8	5.9	6.2	6.5	6.7	6.8	7.2
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				78	91	105	117	124	133	286
Water Temperature (°C)	66	0	>32	0	0		0.3	8.4	13.9	22.4	25.6	26.9	28.9
Other													
Turbidity (NTU)	46	0	>50	0	0		2.7	4.2	4.7	7.1	11	17.6	39

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	48.1	2	4.3	

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

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

Location: TOWN CRK AT US 258 NR COBBS CROSSROADS
Station #: O5990000 **Hydrologic Unit Code:** 03020103
Latitude: 35.79828 **Longitude:** -77.59144 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-83

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	31	47	> 99.9	1.4	2.1	3	4.6	6.9	10.6	14.5
	66	0	<5	37	56.1	> 99.9	1.4	2.1	3	4.6	6.9	10.6	14.5
pH (SU)	66	0	<6	6	9.1		4.9	6	6.3	6.5	6.7	6.8	7.1
	66	0	>9	0	0		4.9	6	6.3	6.5	6.7	6.8	7.1
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				62	89	106	118	133	148	169
Water Temperature (°C)	66	0	>32	0	0		0.9	8.5	13.4	20.9	24	25.4	27.4
Other													
Turbidity (NTU)	46	0	>50	0	0		1.5	2.6	3.6	4.5	6.7	17.3	40

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	68.2	1	2.2	

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

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

Location: TAR RIV AT NC 42 AT OLD SPARTA
Station #: O6000000 **Hydrologic Unit Code:** 03020103
Latitude: 35.79030 **Longitude:** -77.55067 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-(80)

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	0	0		4.9	5.5	6	6.8	8.4	11.2	14.3
	66	0	<5	1	1.5		4.9	5.5	6	6.8	8.4	11.2	14.3
pH (SU)	66	0	<6	5	7.6		5.2	6.1	6.5	6.9	7.2	7.4	8.4
	66	0	>9	0	0		5.2	6.1	6.5	6.9	7.2	7.4	8.4
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				57	83	96	123	156	194	288
Water Temperature (°C)	66	0	>32	0	0		1.5	8	14.2	22.8	26.2	27.5	30.5
Other													
TSS (mg/L)	46	6	N/A				1	1	3.5	8.3	15.5	22	53
Turbidity (NTU)	46	0	>50	0	0		1.4	3	4.1	9.1	17.2	32.9	45
Nutrients (mg/L)													
NH3 as N	46	9	N/A				0.01	0.01	0.01	0.04	0.11	0.18	0.47
NO2 + NO3 as N	46	0	N/A				0.13	0.24	0.32	0.44	0.56	0.73	0.99
TKN as N	46	2	N/A				0.2	0.25	0.38	0.66	0.89	1.34	1.91
Total Phosphorus	46	0	N/A				0.04	0.05	0.07	0.1	0.13	0.23	0.39
Metals (ug/L)													
Aluminum, total (Al)	28	1	N/A				50	69	105	316	606	973	2512
Arsenic, total (As)	28	28	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	28	28	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	28	28	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	28	15	>7	0	0		2	2	2	2	2	3	3
Iron, total (Fe)	28	0	>1000	18	64.3	> 99.9	341	410	669	1397	1856	2204	2418
Lead, total (Pb)	28	28	>25	0	0		5	5	5	5	5	5	5
Mercury, total (Hg)	28	28	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	28	28	>88	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	28	22	>50	0	0		10	10	10	10	10	13	15

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	66.7	6	13	

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: BALLAHACK CANAL AT SR 1526 NR CONETOE

Station #: O6201000 **Hydrologic Unit Code:** 03020103
Latitude: 35.86447 **Longitude:** -77.44383 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-87-1.2

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	62	0	<4	31	50	> 99.9	0.3	0.9	2.2	4	7.9	9.9	11.3
	62	0	<5	36	58.1	> 99.9	0.3	0.9	2.2	4	7.9	9.9	11.3
pH (SU)	62	0	<6	22	35.5	> 99.9	4.7	5.4	5.9	6.2	6.5	6.7	7.2
	62	0	>9	0	0		4.7	5.4	5.9	6.2	6.5	6.7	7.2
Spec. conductance (umhos/cm at 25°C)	62	0	N/A				113	138	167	188	217	283	339
Water Temperature (°C)	62	0	>32	0	0		3.2	7.8	13.5	19.8	23.9	25.8	29.4
Other													
TSS (mg/L)	42	2	N/A				1.1	3.3	5.6	7.7	18.8	72.8	594
Turbidity (NTU)	42	0	>50	5	11.9	76	3.3	4.3	7.5	11.5	30	82.5	600
Nutrients (mg/L)													
NH3 as N	42	2	N/A				0.01	0.02	0.06	0.16	0.51	1.97	3.55
NO2 + NO3 as N	42	1	N/A				0.01	0.03	0.28	1.47	1.82	2.15	2.64
TKN as N	42	1	N/A				0.2	0.3	0.59	0.95	1.7	4.94	9.55
Total Phosphorus	42	3	N/A				0.02	0.02	0.05	0.08	0.19	0.46	1.23

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
42	82.2	12	28.6	93.8

Key:
result: number of observations
ND: number of observations reported to be below detection level (non-detect)
EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
Results not meeting EL: number and percentages of observations not meeting evaluation level
%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
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Ambient Monitoring System Station
NCDENR, Division of Water Quality
Basinwide Assessment

Location: TAR RIV AT US 264 BYP NR GREENVILLE

Station #: O6240000 **Hydrologic Unit Code:** 03020103
Latitude: 35.64598 **Longitude:** -77.42212 **Stream class:** WS-IV NSW
Agency: TPBA **NC stream index:** 28-(84)

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	0	0		4.7	5.6	6.3	7.1	8.9	11.4	15
	66	0	<5	1	1.5		4.7	5.6	6.3	7.1	8.9	11.4	15
pH (SU)	66	0	<6	4	6.1		5.1	6.1	6.7	7	7.2	7.4	8.4
	66	0	>9	0	0		5.1	6.1	6.7	7	7.2	7.4	8.4
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				55	78	104	126	161	192	220
Water Temperature (°C)	66	0	>32	0	0		1.8	8.4	14.5	23.3	27.2	29	31.4
Other													
TSS (mg/L)	46	2	N/A				1.5	1.9	3.4	6.9	12.2	16.6	20
Turbidity (NTU)	46	0	>50	0	0		2.1	3.4	4.6	9.1	16.8	30.3	45
Nutrients (mg/L)													
NH3 as N	46	7	N/A				0.01	0.01	0.03	0.06	0.1	0.14	0.25
NO2 + NO3 as N	46	0	>10	0	0		0.17	0.2	0.25	0.38	0.47	0.61	0.65
TKN as N	46	3	N/A				0.2	0.31	0.42	0.57	0.91	1.18	1.78
Total Phosphorus	46	0	N/A				0.04	0.05	0.07	0.09	0.12	0.22	0.61
Metals (ug/L)													
Aluminum, total (Al)	28	0	N/A				63	82	116	340	569	914	1012
Arsenic, total (As)	28	28	>10	0	0		5	5	5	5	5	5	5
Cadmium, total (Cd)	28	28	>2	0	0		1	1	1	1	1	1	1
Chromium, total (Cr)	28	28	>50	0	0		5	5	5	5	5	5	5
Copper, total (Cu)	28	18	>7	0	0		2	2	2	2	2	2	3
Iron, total (Fe)	28	1	>1000	17	60.7	> 99.9	50	374	602	1326	1722	1999	2329
Lead, total (Pb)	28	28	>25	0	0		5	5	5	5	5	5	5
Manganese, total (Mn)	28	0	>200	4	14.3	85.8	40	52	84	108	178	211	226
Mercury, total (Hg)	28	28	>0.012	0	0		0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nickel, total (Ni)	28	28	>25	0	0		10	10	10	10	10	10	10
Zinc, total (Zn)	28	19	>50	0	0		10	10	10	10	11	16	21

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	40.1	2	4.3	

Key:
result: number of observations
ND: number of observations reported to be below detection level (non-detect)
EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
Results not meeting EL: number and percentages of observations not meeting evaluation level
%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
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Ambient Monitoring System Station
NCDENR, Division of Water Quality
Basinwide Assessment

Location: GRINDLE CRK AT SR 1427 NR BETHEL

Station #: O6700000 **Hydrologic Unit Code:** 03020103
Latitude: 35.76324 **Longitude:** -77.37805 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-100

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	65	0	<4	4	6.2		3.2	4.7	6	7.3	9.3	11	13.1
	65	0	<5	7	10.8	67.7	3.2	4.7	6	7.3	9.3	11	13.1
pH (SU)	65	0	<6	9	13.8	88.9	5.1	5.6	6.4	6.7	6.9	7.2	7.7
	65	0	>9	0	0		5.1	5.6	6.4	6.7	6.9	7.2	7.7
Spec. conductance (umhos/cm at 25°C)	65	0	N/A				90	140	165	189	200	222	242
Water Temperature (°C)	65	0	>32	0	0		3.9	10	13.9	20.8	24.7	26.8	30.1
Other													
TSS (mg/L)	45	0	N/A				1.8	2.5	3.3	4.9	12	73	348
Turbidity (NTU)	45	0	>50	4	8.9		2.1	3.2	6	7.8	14	42	230
Nutrients (mg/L)													
NH3 as N	45	7	N/A				0.01	0.01	0.02	0.06	0.09	0.17	0.25
NO2 + NO3 as N	45	0	N/A				0.05	0.1	0.16	0.61	1.77	2.81	3.82
TKN as N	45	3	N/A				0.2	0.28	0.38	0.56	1.02	1.37	19.44
Total Phosphorus	45	0	N/A				0.03	0.06	0.07	0.09	0.14	0.47	7.8

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
45	75.3	6	13.3	

Key:
result: number of observations
ND: number of observations reported to be below detection level (non-detect)
EL: Evaluation Level; applicable numeric or narrative water quality standard or action level
Results not meeting EL: number and percentages of observations not meeting evaluation level
%Conf : States the percent statistical confidence that the actual percentage of exceedances is at least 10% (20% for Fecal Coliform)
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Ambient Monitoring System Station
NCDENR, Division of Water Quality
Basinwide Assessment

Location: GRINDLE CRK AT US 264 AT PACTOLUS
Station #: O6798000 **Hydrologic Unit Code:** 03020103
Latitude: 35.62426 **Longitude:** -77.22118 **Stream class:** C NSW
Agency: TPBA **NC stream index:** 28-100

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	<4	0	0		4.1	7.1	8.1	9.2	10.2	11.6	13.8
	66	0	<5	1	1.5		4.1	7.1	8.1	9.2	10.2	11.6	13.8
pH (SU)	66	0	<6	9	13.6	88	4.7	5.5	6.4	6.8	7.1	7.3	8.3
	66	0	>9	0	0		4.7	5.5	6.4	6.8	7.1	7.3	8.3
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				59	114	148	164	177	188	206
Water Temperature (°C)	66	0	>32	0	0		4.4	9.3	13.8	20.6	24.2	26.3	27.7
Other													
TSS (mg/L)	46	2	N/A				1	1.5	2.9	4.2	8.9	17.9	153
Turbidity (NTU)	46	0	>50	1	2.2		1.9	2.4	3	5.3	10.2	20.4	110
Nutrients (mg/L)													
NH3 as N	46	5	N/A				0.01	0.01	0.03	0.06	0.12	0.2	0.43
NO2 + NO3 as N	46	0	N/A				0.3	0.58	0.78	1.04	1.42	2	2.61
TKN as N	46	1	N/A				0.2	0.27	0.44	0.63	1.07	1.32	2.49
Total Phosphorus	46	0	N/A				0.03	0.04	0.05	0.07	0.11	0.15	0.53

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
45	54.1	4	8.9	

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

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

Location: FLAT SWAMP AT SR 1159 THIRD ST AT ROBERSONVILLE

Station #: O7000000 **Hydrologic Unit Code:** 03020103
Latitude: 35.81602 **Longitude:** -77.26421 **Stream class:** C Sw NSW
Agency: TPBA **NC stream index:** 28-103-2

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	N/A				0.2	0.4	0.9	1.8	6.1	9.6	13
pH (SU)	66	0	<4.3	0	0		4.8	5.6	6.1	6.4	6.6	6.8	7.4
	66	0	>9	0	0		4.8	5.6	6.1	6.4	6.6	6.8	7.4
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				75	100	126	144	160	187	530
Water Temperature (°C)	66	0	>32	0	0		2.1	8.3	13.4	21	23.5	25.1	27.3
Other													
Turbidity (NTU)	46	0	>50	3	6.5		4.8	7.2	9.6	13.5	21.2	43	70
Nutrients (mg/L)													
NH3 as N	46	5	N/A				0.01	0.01	0.03	0.08	0.15	0.49	0.65
NO2 + NO3 as N	46	9	N/A				0.01	0.01	0.01	0.16	0.72	1.43	2.19
TKN as N	46	1	N/A				0.2	0.47	0.82	1.06	1.43	2.54	3.29
Total Phosphorus	46	0	N/A				0.03	0.05	0.1	0.18	0.24	0.57	1.5

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	96.5	8	17.4	

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

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

Location: FLAT SWAMP AT SR 1157 NR ROBERSONVILLE

Station #: O7100000 **Hydrologic Unit Code:** 03020103
Latitude: 35.78183 **Longitude:** -77.25683 **Stream class:** C Sw NSW
Agency: TPBA **NC stream index:** 28-103-2

Time period: 03/09/2007 to 12/02/2010

	# results	# ND	EL	Results not meeting EL #	%	%Conf	Min	Percentiles 10th	25th	50th	75th	90th	Max
Field													
D.O. (mg/L)	66	0	N/A				0.2	1	2	3.3	6.5	10.1	13.6
pH (SU)	66	0	<4.3	0	0		5.3	5.8	6.4	6.8	7	7.3	7.7
	66	0	>9	0	0		5.3	5.8	6.4	6.8	7	7.3	7.7
Spec. conductance (umhos/cm at 25°C)	66	0	N/A				84	132	190	262	353	463	845
Water Temperature (°C)	66	0	>32	0	0		2.9	7.3	12.2	20.7	22.9	24.7	26.6
Other													
Turbidity (NTU)	46	0	>50	2	4.3		5.3	7.3	9.8	13	18	33	70
Nutrients (mg/L)													
NH3 as N	46	1	N/A				0.01	0.04	0.06	0.15	0.28	0.43	0.58
NO2 + NO3 as N	46	2	N/A				0.01	0.03	0.18	0.61	1.2	2.09	2.36
TKN as N	46	0	N/A				0.22	0.48	0.76	1.06	1.48	1.83	2.47
Total Phosphorus	46	0	N/A				0.04	0.08	0.17	0.28	0.56	0.79	1.02

Fecal Coliform Screening(#/100mL)

# results:	Geomean	# > 400:	% > 400:	%Conf:
46	117.8	7	15.2	

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