

Appendix 3: Station Information

Station list, including location, indicators measured, and sampling frequency

NC DWQ AMS Station description and sampling schedule

Key to Field Measurement Codes:

Sur: Surface; measured at 0.1m depth only
 Pr1: Profile 1; measured at 0.1m and at every meter to bottom
 Pr2: Profile 2; measured at 0.1m, mid-depth (half depth to bottom), and bottom only

Key to Sampling Methods:

G: Grab sample at 0.1m
 Ph: Composite sample of photic zone (2 x Secchi depth)
 F: Field filtered through a 0.45um pore filter

Key to sampling frequency:

(M): Once monthly (Q1): sampled January, April, July, October
 (W): Once weekly (Q2): sampled February, May, August, November
 (EOW): Every other week (Q3): sampled March, June, September, December

Station number	Location	Latitude	Longitude	County	Region	Index	Stream classification	FIELD				SAMPLES								QUARTERLY SAMPLES			
								DO, pH, Spec. cond, water temp	Field observations	Secchi depth	Salinity	Chloride	Chlorophyll a	Cobalt	Fecal coliform	Fluoride	Nutrients	Oil and grease	Sulfate	Turbidity	TSS	Total hardness	
J7810000	CONTENTNEA CRK NR SR 1800 AT GRIFTON	35.36852	-77.43412	PITT	EMT	27-86-(7)	C Sw NSW	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q1)	G(Q1)
J7850000	NEUSE RIV AT SR 1470 NR FORT BARNWELL	35.31389	-77.30302	CRAVEN	EMT	27-(85)	C Sw NSW	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q1)	G(Q1)
J7930000	NEUSE RIV AT SR 1400 AT STREETS FERRY	35.2106	-77.1222	CRAVEN	EMT	27-(85)	C Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	G(Q3)
J8210000	SWIFT CRK AT MOUTH NR ASKIN	35.19278	-77.08984	CRAVEN	EMT	27-97-(6)	SC Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8230000	SWIFT CRK AT NC 43 NR STREETS FERRY	35.23104	-77.11388	CRAVEN	EMT	27-97-(6)	SC Sw NSW	Sur(M)	(M)		Sur(M)					G(M)							
J8250000	NEUSE RIV AT CM 68 BELOW SWIFT CRK NR ASKIN	35.19009	-77.09784	CRAVEN	EMT	27-(96)	SC Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8290000	NEUSE RIV AT CM 52 AT MOUTH OF NARROWS NR	35.1501	-77.07493	CRAVEN	EMT	27-(96)	SC Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8570000	NEUSE RIV 5 MI UPS UNION POINT AT NEW BERN	35.10972	-77.03174	CRAVEN	EMT	27-(96)	SC Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8690000	TRENT RIV AT SR 1129 NR TRENTON	35.06364	-77.46107	JONES	EMT	27-101-(1)	C Sw NSW	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q1)	G(Q1)
J8730000	TRENT RIV AT US 17 AT POLLOCKSVILLE	35.00993	-77.21891	JONES	EMT	27-101-(1)	C Sw NSW	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)						
J8770000	TRENT RIV AT CM 14 ABOVE REEDY BR NR RHEMS	35.07508	-77.11441	CRAVEN	EMT	27-101-(31)	SB Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8908000	NEUSE RIV AT CM 22 NR FAIRFIELD HARBOUR	35.07989	-77.00607	CRAVEN	EMT	27-(96)	SC Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8902500	NEUSE RIV AT CM 2 AT MOUTH OF BROAD CRK NR	35.04898	-76.95687	CRAVEN	EMT	27-(104)	SB Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J8910000	NEUSE RIV AT CM 11 NR RIVERDALE	34.9986	-76.94418	CRAVEN	EMT	27-(104)	SB Sw NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J9530000	NEUSE RIV AT CM 9 NR MINNESOTT BEACH	34.9476	-76.80875	PAMLICO	EMT	27-(118)	SA HQW NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J9690000	BACK CRK AT SR 1300 NR MERRIMON	34.89201	-76.622	CARTERET	WRO	27-128-3	SA HQW NSW	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q3)	
J9810000	NEUSE RIV AT CM 7 NR ORIENTAL	35.00888	-76.66037	PAMLICO	EMT	27-(118)	SA HQW NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
J9930000	NEUSE RIV AT CM NR AT MOUTH NR PAMLICO	35.10997	-76.47607	PAMLICO	EMT	27-(118)	SA HQW NSW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	
K2100000	S FORK NEW RIV AT US 221 AND 421 AT PERKINSVILLE	36.22088	-81.63978	WATAUGA	WSRO	10-1-(3,5)	C +	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q1)	G(Q1)
K3250000	S FORK NEW RIV AT NC 16 AND 88 NR JEFFERSON	36.39473	-81.4075	ASHE	WSRO	10-1-(26)	WS-IV HQW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
K4500000	S FORK NEW RIV AT US 221 NR SCOTTVILLE	36.47378	-81.33649	ASHE	WSRO	10-1-(33,5)	B ORW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q3)	G(Q3)
K7500000	N FORK NEW RIV AT SR 1573 AT CRUMPLER	36.50403	-81.39004	ASHE	WSRO	10-2-(12)	C ORW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q1)	G(Q1)
K7900000	NEW RIV AT SR 1345 AT AMELIA	36.5519	-81.18172	ALLEGHANY	WSRO	10	C ORW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q3)	G(Q3)
K9600000	LITTLE RIV AT SR 1426 NR EDWARDS CROSSROADS	36.52465	-81.06939	ALLEGHANY	WSRO	10-9-(6)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q3)	G(Q3)
L1700000	WATAUGA RIV AT SR 1557 NR SHULLS MILL	36.17352	-81.74597	WATAUGA	WSRO	8-(1)	B Tr HQW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
L4700000	WATAUGA RIV AT SR 1121 NR SUGAR GROVE	36.23874	-81.8229	WATAUGA	WSRO	8-(1)	B Tr HQW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q3)	G(Q3)
M2750000	PASQUOTANK RIV AT ELIZABETH CITY	36.28061	-76.17139	PASQUOTANK	EMT	30-3-(12)	SB	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q2)	G(Q2)
M3500000	LITTLE RIV AT SR 1367 AT WOODVILLE	36.24051	-76.32464	PERQUIMANS	EMT	30-5-(1)	C Sw	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q2)	G(Q2)
M3900000	ALBEMARLE SOUND NR FROG ISLAND MID CHANNEL	36.0625	-76.00163	TYRRELL	EMT	30	SB	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q3)	G(Q3)
M5000000	PERQUIMANS RIV AT SR 1336 AT HERTFORD	36.19387	-76.46611	PERQUIMANS	EMT	30-6-(3)	SC	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q3)	G(Q3)
M6100000	ALBEMARLE SOUND BETWEEN HARVEY PT AND MILL PT	36.02151	-76.30602	TYRRELL	EMT	30	SB	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q2)	G(Q2)
M6920000	KENDRICK CRK AT SR 1300 AT MACKEYS	35.92995	-76.60983	WASHINGTON	EMT	30-9-(2)	SC	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q2)	G(Q2)
M6980000	SCUPPERNONG RIV AT SR 1105 NR COLUMBIA	35.87762	-76.33761	TYRRELL	EMT	30-14-4-(1)	C Sw	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q3)	G(Q3)
M7175000	ALLIGATOR RIV AT US 64 NR ALLIGATOR	35.89859	-76.00978	TYRRELL	EMT	30-16-(7)	SC Sw ORW	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q1)	G(Q1)
N0150000	DAN RIV AT NC 704 NR FRANCISCO	36.51459	-80.30282	STOKES	WSRO	22-(1)	C Tr	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q1)	G(Q1)
N1400000	MAYO RIV AT SR 1358 NR PRICE	36.53514	-79.99117	ROCKINGHAM	WSRO	22-30-(1)	WS-V	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N2300000	DAN RIV AT SR 2150 NR WENTWORTH	36.41055	-79.82693	ROCKINGHAM	WSRO	22-(31,5)	WS-IV	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q3)	G(Q3)
N2430000	SMITH RIV AT SR 1714 NR EDEN	36.52087	-79.75281	ROCKINGHAM	WSRO	22-40-(1)	WS-IV	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q3)	G(Q3)
N3000000	DAN RIV AT SR 1761 NR MAYFIELD	36.54142	-79.60525	ROCKINGHAM	WSRO	22-(39)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q1)	G(Q1)
N3500000	DAN RIV AT NC 57 AT VA LINE AT MILTON	36.54079	-79.21422	CASWELL	WSRO	22-(65,75)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N4250000	HYCO RIV BELOW AFTERBAY DAM NR MCGHEES MILL	36.52353	-78.996	PERSON	RRO	22-58-(9,5)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N4400000	MARLOWE CRK AT SR 1322 NR WOODSDALE	36.48325	-78.79741	PERSON	RRO	22-58-12-6	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N4510000	HYCO RIV AT US 501 NR DENNISTON VA	36.58805	-78.89814	HALIFAX	RRO		III NT	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N4590000	MAYO CRK AT SR 1501 NR BETHEL HILL	36.54021	-78.87362	PERSON	RRO	22-58-15-(3,5)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N5000000	NUTBUSH CRK AT SR 1317 NR HENDERSON	36.36914	-78.40834	VANCE	RRO	23-8-(1)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N6400000	SMITH CRK AT US 1 NR PASCHALL	36.54087	-78.19514	WARREN	RRO	23-10	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N7300000	ROANOKE RIV AT NC 48 AT ROANOKE RAPIDS	36.48151	-77.64526	HALIFAX	RRO	23-(25,5)	WS-IV CA	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N8200000	ROANOKE RIV AT US 258 NR SCOTLAND NECK	36.20925	-77.38387	HALIFAX	RRO	23-(26)	C	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N8550000	ROANOKE RIV AT US 13 AND US 17 AT WILLIAMSTON	35.85986	-77.04009	MARTIN	EMT	23-(26)	C	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q3)	G(Q3)
N8950000	CASHIE RIV AT SR 1219 NR LEWISTON	36.12376	-77.1214	BERTIE	EMT	24-2-(1)	C Sw	Sur(M)	(M)		Sur(M)				G(M)	G(M)	G(M)					G(Q2)	G(Q2)
N9250000	ROANOKE RIV 1.3 MI UPS WELCH CRK NR PLYMOUTH	35.86767	-76.78541	MARTIN	EMT	23-(53)	C Sw	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q1)	G(Q1)
N9600000	ROANOKE RIV AT NC 45 AT SANS SOUCI	35.91469	-76.72252	BERTIE	EMT	23-(53)	C Sw	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q2)	G(Q2)
N9700000	ALBEMARLE SOUND AT BATCHELOR BAY NR BLACK	35.95327	-76.67603	WASHINGTON	EMT	30	SB	Pr1(M)	(M)	(M)	Pr1(M)				Ph(M)	G(M)	Ph(M)					G(Q1)	G(Q1)
O0100000	TAR RIV AT NC 96 NR TAR RIVER	36.19472	-78.58292	GRANVILLE	RRO	28-(5,7)	WS-V NSW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
O0600000	FISHING CRK AT SR 1643 NR CLAY	36.22317	-78.57568	GRANVILLE	RRO	28-11	C NSW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
O1100000	TAR RIV AT US 401 AT LOUISBURG	36.09438	-78.29766	FRANKLIN	RRO	28-(24,7)	WS-V NSW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
O2000000	TAR RIV AT SR 1001 NR BUNN	36.00228	-78.24334	FRANKLIN	RRO	28-(24,7)	WS-V NSW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
O3180000	TAR RIV AT NC 97 AT ROCKY MOUNT	35.95438	-77.7874	EDGEcombe	RRO	28-(69)	C NSW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
O3600000	TAR RIV AT SR 1252 NR HARTSEASE	35.9409	-77.65511	EDGEcombe	RRO	28-(74)	WS-IV NSW	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)
O3830000	SANDY CRK AT SR 1432 NR GUPTON	36.17785	-78.19089	FRANKLIN	RRO	28-78-1-(8)	B NSW +	Sur(M)	(M)						G(M)	G(M)	G(M)					G(Q2)	G(Q2)

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								DO, pH, Spec, cond, water temp	Field observations	Secchi depth	Salinity	Chloride	Chlorophyll a	Cobalt	Fecal coliform	Fluoride	Nutrients	Oil and grease	Sulfate	Turbidity	TSS	Total hardness			
Q7330000	ROCKY RIV AT SR 2420 NR DAVIDSON	35.4749	-80.77948	MECKLENBURG	MRO	13-17	C	Sur(M)	(M)														G(M)	G(Q1)	G(Q1)
Q8090000	IRISH BUFFALO CRK AT SR 1132 NR FAGGARTS	35.3473	-80.54769	CABARRUS	MRO	13-17-9-(2)	C	Sur(M)	(M)														G(M)	G(Q1)	G(Q1)
Q8220000	ROCKY RIV AT SR 1006 NR CONCORD	35.31397	-80.47864	CABARRUS	MRO	13-17	C	Sur(M)	(M)														G(M)	G(Q1)	G(Q1)
Q8360000	GOOSE CRK AT SR 1524 NR MINT HILL	35.1309	-80.63105	UNION	MRO	13-17-18	C	Sur(M)	(M)														G(M)	G(M)	G(Q3)
Q8374000	GOOSE CRK AT SR 1547 NR BRIEF	35.17587	-80.51129	UNION	MRO	13-17-18	C	Sur(M)	(M)														G(M)	G(M)	G(Q3)
Q8720000	LONG CRK AT SR 1917 NR ROCKY RIVER SPRINGS	35.22392	-80.25857	STANLY	MRO	13-17-31	C	Sur(M)	(M)						G(M)								G(M)	G(Q1)	G(Q1)
Q8917000	RICHARDSON CRK AT SR 1649 NR FAIRFIELD	35.07111	-80.40662	UNION	MRO	13-17-36-(5)	C	Sur(M)	(M)						G(M)		G(M)						G(M)	G(Q1)	G(Q1)
Q9120000	ROCKY RIV AT SR 1935 NR NORWOOD	35.15688	-80.16583	STANLY	MRO	13-17	C	Sur(M)	(M)						G(M)		G(M)						G(M)	G(Q1)	G(Q1)
Q9155000	BROWN CRK AT SR 1627 NR PINKSTON	35.06372	-80.05283	ANSON	FRO	13-20	C	Sur(M)	(M)						G(M)								G(M)	G(Q1)	G(Q1)
Q9160000	PEE DEE RIV AT NC 109 NR MANGUM	35.086	-79.99883	ANSON	FRO	13-(15.5)	WS-V B	Sur(M)	(M)						G(M)		G(M)						G(M)	G(Q1)	G(Q1)
Q9200000	LITTLE RIV AT SR 1340 NR STAR	35.38722	-79.83152	MONTGOMERY	FRO	13-25-(11.5)	CHQW	Sur(M)	(M)						G(M)		G(M)						G(M)	G(Q1)	G(Q1)
Q9400000	PEE DEE RIV AT US 74 NR ROCKINGHAM	34.94567	-79.8691	RICHMOND	FRO	13-(34)	C	Sur(M)	(M)						G(M)								G(M)	G(Q1)	G(Q1)
Q9660000	HITCHCOCK CRK AT SR 1109 AT CORDOVA	34.91837	-79.83003	RICHMOND	FRO	13-39-(10)	C	Sur(M)	(M)						G(M)		G(M)						G(M)	G(Q1)	G(Q1)
Q9777000	JONES CRK AT NC 145 NR PEE DEE	34.90432	-79.93047	ANSON	FRO	13-42	C	Sur(M)	(M)						G(M)								G(M)	G(Q1)	G(Q1)
Q9940000	MARKS CRK AT SR 1812 NR HAMLET	34.86257	-79.71915	RICHMOND	FRO	13-45-(2)	C	Sur(M)	(M)						G(M)								G(M)	G(Q1)	G(Q1)