

**Lower Cape Fear River Program: Sampling Stations, Parameters and Sampling Frequency**

Station Number	Location	Station Comments	Latitude	Longitude	County	Sub-basin	8 Digit HUC	Stream Classification	<sup>1</sup> Field Measurements	<sup>2</sup> Nutrients	<sup>3</sup> Metals	Turbidity	TSS	Chlorophyll a	Fecal Coliform
B8340050	Browns Creek at NC87 nr Elizabethtown	hog farm area	34.6136	-78.5848	Bladen	CPF16	03030005	C	M	M			M		M
B8340200	Hammond Creek at SR 1704 nr Mt. Olive	hog farm area	34.5685	-78.5515	Bladen	CPF16	03030005	C	M	M			M		M
B8360000	Cape Fear River at NC 11 nr East Arcadia	Just dns of Lock and Dam #1: former ambient station	34.3969	-78.2675	Bladen	CPF16	03030005	WS-IV Sw	M+SW	M	EOM	M	M		M
B8441000	Livingston Creek at Wright Corp. Walkway nr Acme	DWQ ambient stn, dns Wright Corp.	34.3353	-78.2011	Columbus	CPF17	03030005	C Sw	M	M	EOM		M		M
B8450000	Cape Fear River at Nells Eddy Landing nr Acme	1 mile below IP, DWQ ambient stn	34.3555	-78.1794	Columbus	CPF17	03030005	C Sw	M+SW	M			M		M
B8465000	Cape Fear River at Intake nr Hooper Hill	At DAK intake, just ups of Black River	34.3358	-78.0534	Brunswick	CPF17	03030005	C Sw	M+SW	M	EOM		M		M
B8470000	South River at US 13 nr Cooper	dns Dunn runoff	35.1560	-78.6401	Sampson	CPF18	03030006	C Sw	M	M			M		M
B8604000	Great Coharie Creek at SR 1214 nr Butler Crossroads	8 miles dns Clinton WWTP, nonpoint impacts	34.9186	-78.3887	Sampson	CPF19	03030006	C Sw	M	M	EOM		M		M
B8610001	Little Coharie Creek at SR 1207 nr Ingold	Just ups Great Coharie Ck, hog ops in watershed	34.8347	-78.3709	Sampson	CPF19	03030006	C Sw	M	M			M		M
B8740000	Six Runs Creek at SR 1003 nr Ingold	Just ups Black River, hog operations in watershed	34.7933	-78.3113	Sampson	CPF19	03030006	C Sw ORW+	M	M	EOM		M		M
B8881000	Colly Creek at NC 53 at Colly	Hog operations in watershed	34.4641	-78.2569	Bladen	CPF20	03030006	C Sw	M	M	EOM		M		M
B9000000	Black River at NC 210 at Still Bluff	1 <sup>st</sup> bridge ups of Cape Fear River	34.4312	-78.1441	Pender	CPF20	03030006	C Sw ORW+	M	M			M		M
B9030000	Cape Fear River ups Indian Creek nr Phoenix	Dns DAK, BASF, and Fortron	34.3021	-78.0137	Brunswick	CPF17	03030005	C Sw	M+SW	M			M		M
B9050025	Cape Fear River at Navassa	dns Progress Energy and Leland Ind. Pk; dns railroad tressle	34.2594	-77.9877	Brunswick	CPF17	03030005	C Sw	M+SW	M	EOM	M	M		M
B9050100	Cape Fear River at S. end of Horseshoe Bend nr Wilmington	Ups NE Cape Fear River	34.2437	-77.9698	Brunswick	CPF17	03030005	SC	M+SW	M			M		M
B9090000	NE Cape Fear River at NC 403 nr Williams	Dns Mt. Olive WWTP, DWQ ambient stn	35.1784	-77.9807	Duplin	CPF21	03030007	C Sw	M	M			M		M
B9130000	Panther Branch (Creek) nr Faison	Sample from Dean Foods access Rd, dns Dean wwtp	35.1345	-78.1363	Duplin	CPF22	03030007	C Sw	M	M			M		M
B9191000	Goshen Swamp at NC 11 and NC 903 nr Komegny	Major trib to NE CFR, Ag. and Hog ops in watershed	35.0281	-77.8516	Duplin	CPF22	03030007	C Sw	M	M			M		M
B9191500	NE Cape Fear River SR 1700 nr Sarecta	Dns Guilford Mills and Cogentrix WWTPs	34.9801	-77.8622	Duplin	CPF22	03030007	C Sw	M	M	EOM		M		M
B9430000	Rockfish Creek at US 117 nr Wallace	Ups Wallace WWTP2	34.7168	-77.9795	Duplin	CPF22	03030007	C Sw	M	M			M		M
B9460000	Little Rockfish Creek at NC 11 nr Wallace	Ups Wallace WWTP1, benthic stn	34.7224	-77.9814	Duplin	CPF22	03030007	C Sw	M	M	EOM	M	M		M
B9490000	Angola Creek at NC 53 nr Maple Hill	former ambient station; benthic stn	34.6562	-77.7351	Pender	CPF23	03030007	C Sw	M	M			M		M
B9500000	Burgaw Canal (Creek) at SR 1345 Wright St. at Burgaw	Ups Burgaw WWTP	34.5640	-77.9344	Pender	CPF23	03030007	C Sw	M	M		M	M	SM	M
B9520000	Burgaw Creek at US 117 at Burgaw	DWQ ambient stn, dns Burgaw WWTP	34.5637	-77.9220	Pender	CPF23	03030007	C Sw	M	M	EOM	M	M	SM	M
B9580000	NE Cape Fear River nr US 117 at Castle Hayne	DWQ ambient stn, dns Elements Chromium wwtp, sample at dock	34.3637	-77.8965	New Hanover	CPF23	03030007	B Sw	M	M	EOM		M		M
B9670000	NE Cape Fear River Nr Wrightsboro	Below GNF and Artev WWTPs	34.3171	-77.9538	New Hanover	CPF23	03030007	C Sw	M+SEOW	M			M		M
B9720000	Smith Creek at US 117 and NC 133 at Wilmington	Dns Smith Ck WWTP, urban runoff	34.2586	-77.9391	New Hanover	CPF23	03030007	C Sw	M						M
B9790000	Brunswick River dns NC 17 at park nr Belville	Park access from SR 133	34.2214	-77.9787	Brunswick	CPF17	03030005	SC	M	M			M		M
B9795000	Cape Fear River at Channel Marker 54	Dns Wilmington Southside WWTP	34.1393	-77.9460	New Hanover	CPF17	03030005	SC	M+SEOW	M	EOM		M		M
B9800000	Cape Fear River at Channel Marker 61 at Wilmington	Dns Wilmington Northside WWTP, DWQ ambient stn	34.1938	-77.9573	New Hanover	CPF17	03030005	SC	M+SEOW	M		M	M	SM	M
B9845100	Cape Fear River at Channel Marker 42	Many private WWTPs, ups Snows Cut	34.0902	-77.9336	Brunswick	CPF17	03030005	SC	M+SEOW	M			M		M
B9850100	Cape Fear River at Channel Marker 35	Ups Carolina Beach WWTP	34.0335	-77.9370	Brunswick	CPF17	03030005	SC	M+SEOW	M	EOM		M		M
B9910000	Cape Fear River at Channel Marker 23	Dns Carolina Beach WWTP	33.9456	-77.9696	Brunswick	CPF17	03030005	SA HOW	M+SEOW	M	EOM		M		M
B9921000	Cape Fear River at Channel Marker 18	Nr Mouth of Cape Fear River	33.9130	-78.0170	Brunswick	CPF17	03030005	SC	M+SEOW	M	EOM	M	M	SM	M
B9980000	Intracoastal Waterway nr Southport	1000 ft W. Southport discharge	33.9173	-78.0379	Brunswick	CPF17	03030005	SA HOW	M+SEOW	M			M		M

<sup>1</sup> Field Measurements include: Dissolved Oxygen, Temperature, Conductivity and pH

<sup>2</sup> Nutrients include Ammonia as N, Nitrate/Nitrite as N, Total Kjeldahl Nitrogen as N, and Total Phosphorus as P

<sup>3</sup> Metals analysis include the following metals: Aluminum (Al), Arsenic (As), Cadmium (Cd), Chromium (Cr) (total), Copper (Cu), Iron (Fe), Lead (Pb), Mercury (Hg), Nickel (Ni), and Zinc (Zn).

Metals monitoring was suspended per DWQ April 2008 letter at the agreement of DWQ and LCFRP.

Frequency: M=Monthly; M+SW=Monthly with Weekly Sampling in May, June, July, August, and September; M+SEOW=Monthly with Sampling Every Other Week in May, June, July, August, and September; SM=Monthly in May, June, July, August, and September; EOM=Every Other Month (February, April, June, August, October, and December)

ups=upstream dns=downstream stn=station