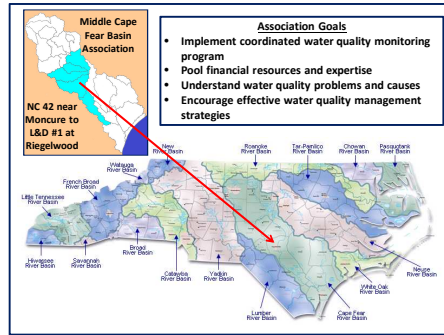


MIDDLE CAPE FEAR BASIN ASSOCIATION and WATER QUALITY IN THE CAPE FEAR RIVER

DANAHER CORP – DUKE ENERGY – CHEMOURS – DAK AMERICAS – HARNETT COUNTY – FAYETTEVILLE PUBLIC WORKS COMMISSION – CITY OF RAEFORD – CITY OF ELIZABETHTOWN – TOWN OF SPRING LAKE – UTILITIES INCORPORATED – CITY OF DUNN – TOWN OF BROADWAY – TOWN OF HOLLY SPRINGS – SMITHFIELD PACKING – WESTERN WAKE PARTNERS



Ambient Monitoring Program

- Monitoring began in July 1998
- 32 Stations, monthly data collection
- Parameters monitored include Dissolved Oxygen, pH, Temperature, Conductivity, Ammonia, Nitrite/Nitrate, TKN, Total Phosphorus, Chlorophyll
- Metals (Cd, Cr, Cu, Ni, Pb, Fe, Hg, Zn, Al, Mn, As) collected 1988 through 2007
- Poor rating based on sites where water quality standards are exceeded more than 10 % of the time

Summary of Station Compliance

Site	Stream	Water Body	Location Description	DO	pH	Turbidity	Fecal	Chl a	Fecal Bloomer
09160000	WV IV CA	CFR at NC 42	Bridge at NC 42	0.9%	4.1%	5.7%	14.7%	8.5%	44
09240000	WV IV CA	Buckhorn Crk	Highway 42	0.0%	1.5%	0.0%	2.0%	0.0%	31
09250000	WV IV CA	Roanoke Crk	SR 1441	5.6%	5.6%	4.0%	14.7%	1.0%	136
09270000	WV IV CA	CFR at 401	US 401 Wilmington	0.2%	0.0%	0.0%	16.0%	0.0%	94
09280000	WV IV CA	CFR at NC 217	NC 217 at Fawns	0.0%	0.0%	0.0%	14.7%	0.0%	69
09290000	WV IV CA	Upper Little River at NC 217	Tram Highway Road	1.5%	0.0%	0.0%	16.0%	0.0%	73
09300000	WV IV CA	Lower Lit. River at Titan Industrial Road	NC 210	0.0%	0.0%	1.3%	12.0%	0.0%	81
09310000	WV IV CA	CFR at Hoyer #115	Holler Highway Road	0.2%	0.2%	1.2%	11.2%	0.0%	69
10170000	WV IV CA	CFR at 195	CFR at 195	1.0%	1.9%	4.8%	16.1%	0.0%	87
11170000	WV IV CA	CFR at Golf Course Road	Golf Course Road	0.2%	0.2%	0.0%	10.0%	0.0%	106
11182000	WV IV CA	CFR at HWY 87 South	Hwy. 87 South	0.0%	1.0%	12.0%	14.0%	0.0%	87
11190000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	2.7%	4.0%	17.0%	0.0%	41
11192000	WV IV CA	CFR at Power Lines	Power Lines	0.0%	2.7%	3.7%	4.1%	0.0%	32
11193000	WV IV CA	CFR at SR 1704	SR 1704	0.0%	0.0%	2.7%	4.0%	0.0%	25
11194000	WV IV CA	CFR at SR 30	SR 30	0.0%	0.0%	2.8%	4.1%	0.0%	29
11195000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11196000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11197000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11198000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11199000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11200000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11201000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11202000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11203000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11204000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11205000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11206000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11207000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11208000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11209000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11210000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11211000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11212000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11213000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11214000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11215000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11216000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11217000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11218000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11219000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11220000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11221000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11222000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11223000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11224000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11225000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11226000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11227000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11228000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11229000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11230000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11231000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11232000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11233000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11234000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11235000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11236000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32
11237000	WV IV CA	CFR at SR 1304	SR 1304	0.0%	3.9%	3.7%	4.7%	0.0%	34
11238000	WV IV CA	CFR at SR 30	River Marker 30	0.0%	2.6%	1.4%	4.1%	0.0%	27
11239000	WV IV CA	CFR at US 701	US 701 - Elizabethtown	0.2%	2.9%	2.9%	2.0%	0.0%	29
11240000	WV IV CA	CFR at Hoyer #123	Hoyer #123	0.0%	1.9%	2.7%	3.2%	0.0%	32

