

Freshwater RPA - 95% Probability/95% Confidence Using Metal Translators
MAXIMUM DATA POINTS = 58

Qw (MGD) = **2.1600**
1Q10S (cfs) = **16.18**
7Q10S (cfs) = **19.60**
7Q10W (cfs) = **NO 7Q10w DATA**
30Q2 (cfs) = **900.00**
Avg. Stream Flow, QA (cfs) = **4220.00**
Receiving Stream: **Cape Fear River**

WWTP/WTP Class: **IV**
IWC% @ 1Q10S = **17.14461286**
IWC% @ 7Q10S = **14.58950671**
IWC% @ 7Q10W = **N/A**
IWC% @ 30Q2 = **0.370621289**
IW% C @ QA = **0.0792736**
Stream Class: **WS-IV**

COMBINED HARDNESS (mg/L)
Acute = 25 mg/L
Chronic = 25 mg/L
**YOU HAVE DESIGNATED THIS RECEIVING
STREAM AS WATER SUPPLY**
Effluent Hard: 0 value > 100 mg/L
Effluent Hard Avg = 25 mg/L

PARAMETER	TYPE	NC STANDARDS OR EPA CRITERIA			PQL	UNITS	REASONABLE POTENTIAL RESULTS				RECOMMENDED ACTION
		Chronic	Applied Standard	Acute			n	# Det.	Max Pred Cw	Allowable Cw	
Arsenic	C	150	FW(7Q10s)	340		ug/L	1	0	2.1 C.V. (default) NO DETECTS	Acute (FW): 1,983.1 Chronic (FW): 1,028.1 Max MDL = 0.68	no limit
Arsenic	C	10	HH/WS(Qavg)			ug/L	Note: n ≤ 9 Limited data set		NO DETECTS	Chronic (HH): 12,614.5 Max MDL = 0.68	
Beryllium	NC	6.5	FW(7Q10s)	65		ug/L	1	0	0.37 C.V. (default) NO DETECTS	Acute: 379.13 Chronic: 44.55 Max MDL = 0.12	no limit
Cadmium	NC	0.5899	FW(7Q10s)	3.2396		ug/L	1	0	31.000 C.V. (default) NO DETECTS	Acute: 18.896 Chronic: 4.043 Max MDL = 10	no limit all values delow detect
Chlorides	NC	230	FW(7Q10s)			mg/L	0	0	N/A	Acute: NO WQS Chronic: 1,576.5	N/A
Chlorinated Phenolic Compounds	NC	1	A(30Q2)			ug/L	0	0	N/A	Acute: NO WQS Chronic: 269.8	N/A
Total Phenolic Compounds	NC	300	A(30Q2)			ug/L	1	0	31.0 C.V. (default) NO DETECTS	Acute: NO WQS Chronic: 80,945.2 Max MDL = 10	no limit
Chromium III	NC	117.7325	FW(7Q10s)	905.0818		µg/L	0	0	N/A	Acute: 5,279.1 Chronic: 807.0	no limit
Chromium VI	NC	11	FW(7Q10s)	16		µg/L	0	0	N/A	Acute: 93.3 Chronic: 75.4	no limit
Chromium, Total	NC					µg/L	1	0	1.0 C.V. (default) NO DETECTS	Max reported value = 0.165 Max MDL = 0.33	

Copper	NC	7.8806	FW(7Q10s)	10.4720		ug/L	1 0 Note: n ≤ 9 Limited data set	31.00 C.V. (default) NO DETECTS	Acute: 61.08 Chronic: 54.02 Max MDL = 10	no limit
Cyanide	NC	5	FW(7Q10s)	22	10	ug/L	1 0 Note: n ≤ 9 Limited data set	31.0 C.V. (default) NO DETECTS	Acute: 128.3 Chronic: 34.3 Max MDL = 10	no limit
Fluoride	NC	1800	FW(7Q10s)			ug/L	1 0 Note: n ≤ 9 Limited data set	775.0 C.V. (default) NO DETECTS	Acute: NO WQS Chronic: 12,337.6 Max MDL = 250	no limit
Lead	NC	2.9416	FW(7Q10s)	75.4871		ug/L	1 1 Note: n ≤ 9 Limited data set	17.980 C.V. (default)	Acute: 440.296 Chronic: 20.163 No value > Allowable Cw	no limit add quarterly monitoring
Mercury	NC	12	FW(7Q10s)		0.5	ng/L	1 1 Note: n ≤ 9 Limited data set	7.0 C.V. (default)	Acute: NO WQS Chronic: 82.3 No value > Allowable Cw	no limit
Molybdenum	NC	2000	HH(7Q10s)			ug/L	1 0 Note: n ≤ 9 Limited data set	0.4 C.V. (default) NO DETECTS	Acute: NO WQS Chronic: 13,708.5 Max MDL = 0.13	no limit
Nickel	NC	37.2313	FW(7Q10s)	335.2087		µg/L	1 1 Note: n ≤ 9 Limited data set	19.2 C.V. (default)	Acute (FW): 1,955.2 Chronic (FW): 255.2 No value > Allowable Cw	no limit
Nickel	NC	25.0000	WS(7Q10s)			µg/L			Chronic (WS): 171.4 No value > Allowable Cw	
Selenium	NC	5	FW(7Q10s)	56		ug/L	1 0 Note: n ≤ 9 Limited data set	31.0 C.V. (default) NO DETECTS	Acute: 326.6 Chronic: 34.3 Max MDL = 10	no limit
Silver	NC	0.06	FW(7Q10s)	0.2964		ug/L	1 0 Note: n ≤ 9 Limited data set	1.488 C.V. (default) NO DETECTS	Acute: 1.729 Chronic: 0.411 Max MDL = 0.48	no limit all values below detection level
Zinc	NC	126.7335	FW(7Q10s)	125.7052		ug/L	1 0 Note: n ≤ 9 Limited data set	19.2 C.V. (default) NO DETECTS	Acute: 733.2 Chronic: 868.7 Max MDL = 6.2	no limit
Aluminum	NC	6.5	WS(7Q10s)			mg/L	1 1 Note: n ≤ 9 Limited data set	0.22320 C.V. (default)	Acute: NO WQS Chronic: 44.55257 No value > Allowable Cw	no limit
Barium	NC	1	WS(7Q10s)			mg/L	1 1 Note: n ≤ 9 Limited data set	0.31000 C.V. (default)	Acute: NO WQS Chronic: 6.85424 No value > Allowable Cw	no limit
									Acute: NO WQS	no limit

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Chemical	NC	WS(7Q10s)	mg/L	1	1	477.40000	Chronic: 1713.56033	no limit
Sulfate	NC	250	WS(7Q10s)	mg/L	1	1	477.40000 C.V. (default) Chronic: 1713.56033 No value > Allowable Cw	no limit
Chloroform	NC	60	WS(7Q10s)	µg/L	1	0	31.00000 C.V. (default) Chronic: 411.25448 Max MDL = 10	no limit