

Stations

FDEP/Escambia County Bayou Chico Fecal Coliform BMAP Stations April 2012

Station ID	Location	WBID	LAT DD MM SS.SS	LONG DD MM SS.SS
33020JD4	SW Arm Bayou Chico N of Mandalay Dr	846CB	30 24' 15.4"N	87 15' 31.9"W
33020118	Jones Creek at Old Cory Road	846A	30 23' 56.84"N	87 16' 24.94"W
33020221	Jackson Creek at Old Cory Rd.	846B	30 24' 42.8"N	87 16' 29.85"W
33020JE20	Bayou Chico at Navy Blvd. Bridge	846	30 24' 39.32"N	87 15' 31.74"W
33020JF1	Bayou Chico at "W" Street	846C	30 24' 54.98"N	87 15' 4.72"W

Station Location Map

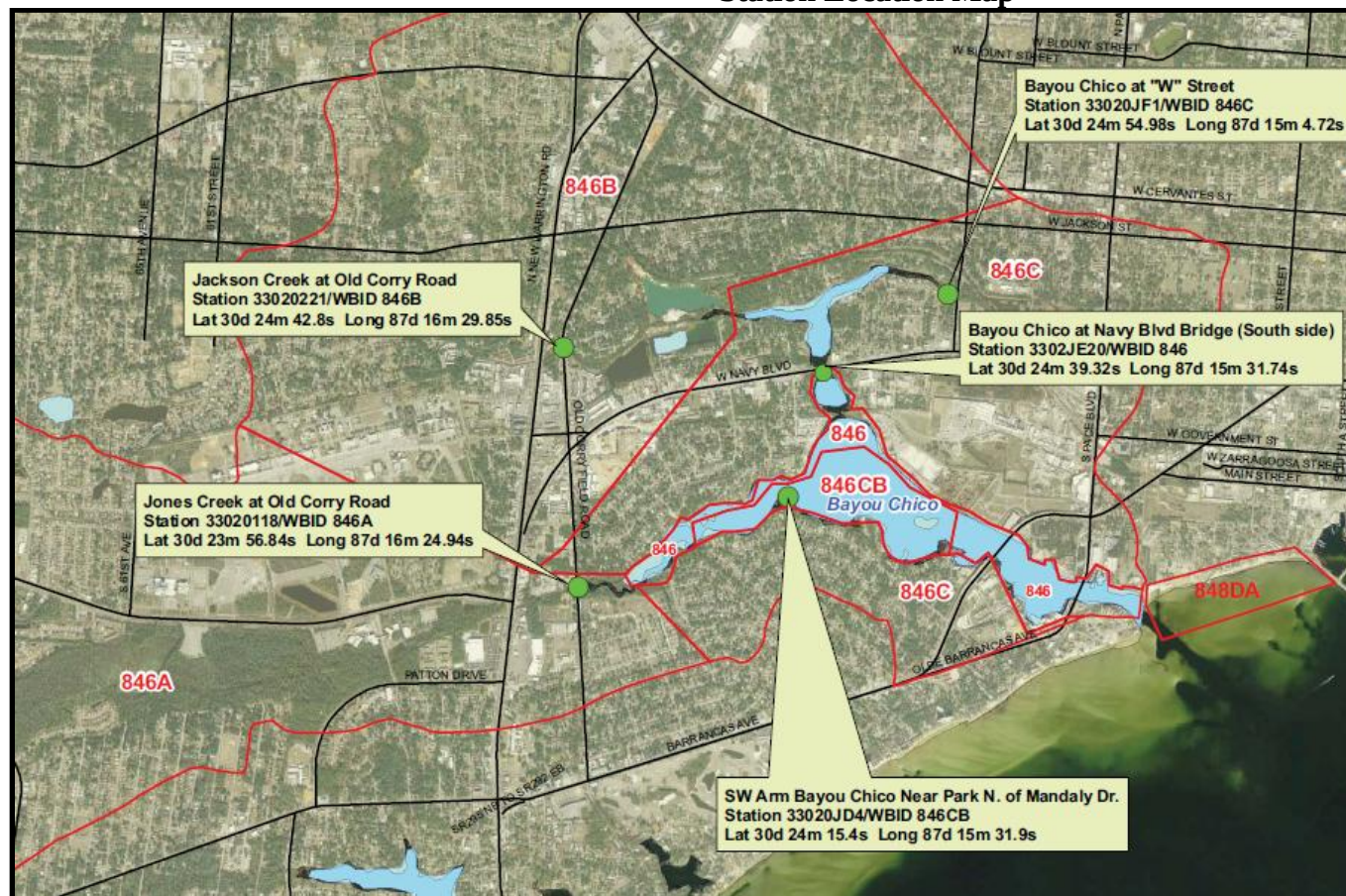


Table 1. Bayou Chico Water Quality Results. April – December 2012. Red denotes violation of Class III standards.

April 25, 2012

Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
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33020118	18.09	7.58	189	5.93	62.4	0.053	0.07	0.47	0.54	0.066	4.3	60
33020221	22.2	7.56	242	12.38	142.2	0.08	2.2	0.3	2.5	0.028	2.6	290
33020JD4	21.8	7.6	40044	7.78	104	0.011	0.023	0.35	0.373	0.022	5.1	1
33020JF1	22.13	7.29	4253	9.66	112.2	0.19	1.4	0.79	2.19	0.084	8.4	250
3302JE20	21.92	7.22	25880	11.3	141.6	0.027	0.73	0.52	1.25	0.025	2.9	105

May 16, 2012												
Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	22.24	7.47	84	4.9	56.3	0.04	0.051	0.56	0.611	0.029	2.9	189
33020221	25.06	6.98	180	7.1	86	0.062	2.5	0.3	2.8	0.034	2.7	280
33020JD4	26.25	7.08	23015	7.79	104	ND	0.06	0.67	0.73	0.033	4.7	540
33020JF1	27.68	6.92	26653	9.54	132.7	0.071	0.99	0.64	1.63	0.06	4.8	450
3302JE20	29.17	6.92	21554	10.75	152	0.013	0.68	0.57	1.25	0.033	4.2	116

ND: Non-detect

Table 1. Bayou Chico Water Quality Results. April – December 2012. (cont'd) Red denotes violation of Class III standards.

June 20, 2012												
Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	24.11	6.89	83	4.9	58.6	0.056	0.13	0.6	0.73	0.041	9	184
33020221	24.67	6.91	152	7.31	87.9	0.034	2.5	0.46	2.96	0.075	6.2	850
33020JD4	28.56	7.55	11134	8.52	113.7	0.013	0.24	0.82	1.06	0.042	7.6	780
33020JF1	28.59	6.22	11565	8.77	117.4	0.01	0.93	0.47	1.40	0.04	4.8	320
3302JE20	29.72	7.25	7607	9.77	131.5	ND	0.17	0.44	0.61	0.027	3.7	590

July 16, 2012												
Station	Temp °C	pH	Specific Cond. Umho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	26.34	5.6	73	4.81	59.6	0.027	0.06	0.74	0.80	0.023	3.6	330
33020221	25.93	6.63	137	6.81	83.8	0.041	2.6	0.36	2.96	0.026	3.2	1880
33020JD4	30.27	7.29	19274	6.72	95.1	ND	0.17	0.85	1.02	0.043	4.9	760
33020JF1	29.99	6.4	19696	4.79	67.6	0.053	0.88	0.86	1.74	0.053	7.2	1520
3302JE20	31.56	7.68	25599	8.93	132	0.016	0.63	0.56	1.19	0.027	3.3	98

ND: Non-detect

Table 1. Bayou Chico Water Quality Results. April – December 2012 (cont'd) Red denotes violation of Class III standards.

August 20, 2012												
Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	24.85	6.05	79	4.95	59.7	0.032	0.073	0.61	0.683	0.023	3.5	600
33020221	24.65	6.51	83	6.52	78.4	0.036	1.2	0.34	1.54	0.047	11	600
33020JD4	27.14	7.24	21930	5.9	79.5	0.092	0.29	0.71	1.0	0.037	3.2	600
33020JF1	25.19	6.41	2981	4.65	56.9	0.097	0.52	0.54	1.06	0.055	8.2	600
3302JE20	29.12	6.92	21160	4.1	59.9	0.12	0.46	0.64	1.10	0.051	4.8	600

September 24, 2012

Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	24.15	6.19	819	3.89	46.5	0.055	0.13	0.47	0.60	0.04	4	560
33020221	24.55	6.44	133	7.63	91.6	0.064	2.9	0.32	3.22	0.032	2.4	3900
33020JD4	27.57	7.69	18635	7.7	103.8	ND	0.18	0.65	0.83	0.031	6.3	108
33020JF1	28.96	6.54	9745	8.4	112.4	0.079	0.98	0.89	1.87	0.078	10	110
3302JE20	31.08	7.39	20190	7.42	106.7	0.015	0.26	0.48	0.74	0.029	3	102

ND: Non-detect

Table 1. Bayou Chico Water Quality Results. April – December 2012 (cont'd) Red denotes violation of Class III standards.

October 22, 2012												
Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	25.56	6.53	24882	1.75	23.3	0.074	0.073	0.43	0.503	0.032	4	230
33020221	22.59	6.8	168	8.33	96.4	0.035	3.2	0.31	3.51	0.021	1.6	210
33020JD4	22.78	7.5	30051	7.13	92.3	0.024	0.28	0.52	0.80	0.025	3.2	64
33020JF1	25.26	6.79	18755	6.62	85.7	0.079	0.94	0.95	1.89	0.056	6.7	127
3302JE20	25.78	7.1	30355	6.01	82.1	0.058	0.66	0.46	1.12	0.023	2.4	66

November 19, 2012												
Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL
33020118	20.22	6.47	17880	3.15	37.4	0.047	0.32	0.34	0.66	0.065	4.7	220
33020221	21.09	6.29	166	7.63	85.7	0.046	3.1	0.32	3.42	0.029	2.0	208
33020JD4	16.63	7.61	33854	8.02	93.7	0.028	0.40	0.38	0.78	0.013	1.7	3
33020JF1	21.05	6.64	14748	7.16	84.5	0.076	1.4	0.44	1.84	0.029	4.3	18
3302JE20	19.94	7.08	33409	5.91	73.0	0.096	0.58	0.42	1.00	0.019	2.5	46

Table 1. Bayou Chico Water Quality Results. April – December 2012 (cont'd) Red denotes violation of Class III standards.

December 17, 2012												
Station	Temp °C	pH	Specific Cond. µmho/cm	Dissolved Oxygen mg/L	Dissolved Oxygen % Sat.	NH3 mg/L	NO23 mg/L	TKN mg/L	TN mg/L	TP mg/L	Turbidity NTU	Fecal Coliform Bacteria FCU/100 mL

33020118	19.0	6.26	13470	4.03	45.7	0.037	0.22	0.48	0.70	0.051	4.7	172
33020221	20.39	6.51	118	6.02	66.7	0.38	2.3	4.3	6.60	1.3	55	6000
33020JD4	17.62	7.66	36160	7.89	94.9	0.018	0.27	0.43	0.70	0.018	2.6	40
33020JF1	20.29	7.06	9053	5.74	65.5	0.088	0.90	0.87	1.77	0.13	37	10800
3302JE20	19.47	7.23	25318	6.88	82.0	0.086	0.75	0.50	1.25	0.023	4.2	2000

Bayou Chico
Fecal Coliform Bacteria
April - December 2012 (N=45)
Percent > 400 FCU/100mL

