

Data Table 5-29 Metals in Fish
Summary Statistic Section
2014 Metals in Fish: Units are ug/g

Analysis Summary - Freshwater Species - Arsenic

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.608	1.070	15	0	NA	0.621	0.913	15	0	NA	0.692	0.962
Upper Three Runs Creek River Mouth	15	0	NA	0.606	0.922	15	0	NA	0.701	0.923	15	0	NA	0.604	0.982
Four Mile Creek River Mouth	15	0	NA	0.564	0.986	15	0	NA	0.644	0.925	15	0	NA	0.532	0.906
Steel Creek River Mouth	15	0	NA	0.586	0.939	15	0	NA	0.665	0.912	15	0	NA	0.653	1.120
Lower Three Runs Creek River Mouth	15	0	NA	0.572	0.822	15	0	NA	0.654	0.866	15	0	NA	0.701	0.870
Hwy 301 Bridge Area	15	0	NA	0.560	1.380	15	0	NA	0.673	0.931	15	0	NA	0.616	1.080

Analysis Summary - Freshwater Species - Cadmium

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.061	0.107	15	0	NA	0.062	0.091	15	0	NA	0.069	0.096
Upper Three Runs Creek River Mouth	15	0	NA	0.061	0.092	15	0	NA	0.070	0.092	15	0	NA	0.060	0.098
Four Mile Creek River Mouth	15	0	NA	0.056	0.090	15	0	NA	0.066	0.119	15	0	NA	0.053	0.091
Steel Creek River Mouth	15	0	NA	0.059	0.094	15	0	NA	0.067	0.224	15	0	NA	0.065	0.098
Lower Three Runs Creek River Mouth	15	0	NA	0.057	0.082	15	0	NA	0.064	0.087	15	0	NA	0.070	0.087
Hwy 301 Bridge Area	15	0	NA	0.056	0.095	15	0	NA	0.067	0.092	15	0	NA	0.062	0.094

Analysis Summary - Freshwater Species - Chromium

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)2	Number of Detects3	Mean (ug/g) of Detected Results4	Min. (ug/g)5	Max. (ug/g)6	N (number sampled)7	Number of Detects8	Mean (ug/g) of Detected Results9	Min. (ug/g)10	Max. (ug/g)11
New Savannah Bluff Lock & Dam	15	0	NA	0.069	0.119	15	0	NA	0.062	0.134	15	0	NA	0.074	0.167
Upper Three Runs Creek River Mouth	15	0	NA	0.063	0.147	15	0	NA	0.070	0.137	15	0	NA	0.083	0.166
Four Mile Creek River Mouth	15	1	1.170	0.059	1.170	15	0	NA	0.064	0.093	15	0	NA	0.058	0.096
Steel Creek River Mouth	15	0	NA	0.059	0.114	15	0	NA	0.067	0.091	15	0	NA	0.065	0.423
Lower Three Runs Creek River Mouth	15	0	NA	0.057	0.180	15	0	NA	0.064	0.344	15	1	3.450	0.070	3.450
Hwy 301 Bridge Area	15	0	NA	0.056	0.100	15	0	NA	0.067	0.092	15	0	NA	0.062	0.094

indicates a detected value

2014 Metals in Fish: Units are ug/g

Analysis Summary - Freshwater Species - Copper

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.123	0.571	15	0	NA	0.162	0.692	15	0	NA	0.150	0.665
Upper Three Runs Creek River Mouth	15	0	NA	0.126	0.302	15	0	NA	0.153	1.450	15	0	NA	0.241	0.320
Four Mile Creek River Mouth	15	0	NA	0.136	0.361	15	0	NA	0.154	0.563	15	0	NA	0.125	0.308
Steel Creek River Mouth	15	0	NA	0.124	0.362	15	0	NA	0.137	0.236	15	0	NA	0.130	0.491
Lower Three Runs Creek River Mouth	15	0	NA	0.134	0.249	15	0	NA	0.131	0.499	15	0	NA	0.140	0.202
Hwy 301 Bridge Area	15	0	NA	0.143	0.304	15	0	NA	0.163	0.403	15	0	NA	0.160	0.482

Analysis Summary - Freshwater Species - Lead

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.608	1.070	15	0	NA	0.621	0.913	15	0	NA	0.692	0.962
Upper Three Runs Creek River Mouth	15	0	NA	0.606	0.922	15	0	NA	0.701	0.923	15	0	NA	0.604	0.982
Four Mile Creek River Mouth	15	0	NA	0.564	0.899	15	0	NA	0.644	0.925	15	0	NA	0.532	0.906
Steel Creek River Mouth	15	0	NA	0.586	0.939	15	0	NA	0.665	0.912	15	0	NA	0.649	0.976
Lower Three Runs Creek River Mouth	15	0	NA	0.572	0.822	15	0	NA	0.639	0.866	15	0	NA	0.701	0.870
Hwy 301 Bridge Area	15	0	NA	0.560	0.947	15	0	NA	0.673	0.921	15	0	NA	0.616	0.935

Analysis Summary - Freshwater Species - Manganese

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.065	0.579	15	0	NA	0.119	0.409	15	1	1.300	0.077	1.300
Upper Three Runs Creek River Mouth	15	0	NA	0.063	0.160	15	0	NA	0.136	0.354	15	1	0.989	0.061	0.989
Four Mile Creek River Mouth	15	0	NA	0.058	0.109	15	2	2.960	0.180	4.580	15	1	1.050	0.064	1.050
Steel Creek River Mouth	15	0	NA	0.064	0.094	15	0	NA	0.116	0.275	15	2	1.018	0.074	1.190
Lower Three Runs Creek River Mouth	15	0	NA	0.062	0.165	15	0	NA	0.065	0.236	15	1	0.900	0.072	0.900
Hwy 301 Bridge Area	15	0	NA	0.056	0.128	15	0	NA	0.125	0.251	15	0	NA	0.091	0.528

indicates a detected value

2014 Metals in Fish: Units are ug/g

Analysis Summary - Freshwater Species -Nickel

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.122	0.215	15	0	NA	0.124	0.183	15	0	NA	0.138	0.192
Upper Three Runs Creek River Mouth	15	0	NA	0.121	0.184	15	0	NA	0.140	0.185	15	0	NA	0.121	0.196
Four Mile Creek River Mouth	15	0	NA	0.113	0.180	15	0	NA	0.129	0.185	15	0	NA	0.106	0.181
Steel Creek River Mouth	15	0	NA	0.117	0.188	15	0	NA	0.133	0.182	15	0	NA	0.130	0.195
Lower Three Runs Creek River Mouth	15	0	NA	0.114	0.164	15	0	NA	0.128	0.173	15	0	NA	0.140	0.481
Hwy 301 Bridge Area	15	0	NA	0.112	0.189	15	0	NA	0.135	0.184	15	0	NA	0.123	0.187

Analysis Summary - Freshwater Species -Zinc

indicates a detected value

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	15	5.768	3.800	8.670	15	15	7.628	3.990	11.100	15	15	6.926	3.640	10.400
Upper Three Runs Creek River Mouth	15	14	4.514	0.126	10.300	15	15	6.494	4.440	8.200	15	15	5.949	4.470	8.690
Four Mile Creek River Mouth	15	15	4.187	3.000	5.940	15	15	5.849	4.300	9.410	15	15	5.603	3.660	7.410
Steel Creek River Mouth	15	15	4.363	3.430	6.050	15	15	6.301	4.080	8.740	15	15	6.212	4.440	7.860
Lower Three Runs Creek River Mouth	15	15	4.055	3.210	5.770	15	15	5.638	3.920	7.320	15	15	5.756	3.120	7.920
Hwy 301 Bridge Area	15	15	4.610	3.100	6.900	15	15	6.567	4.330	8.370	15	15	6.623	4.750	8.580

Analysis Summary - Freshwater Species - Antimony

Location	Bass					Catfish					Panfish				
	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
New Savannah Bluff Lock & Dam	15	0	NA	0.912	1.610	15	0	NA	0.931	1.370	15	0	NA	1.040	1.440
Upper Three Runs Creek River Mouth	15	0	NA	0.909	1.380	15	0	NA	1.060	1.380	15	0	NA	0.906	1.470
Four Mile Creek River Mouth	15	0	NA	0.846	1.340	15	0	NA	0.966	1.390	15	0	NA	0.798	1.360
Steel Creek River Mouth	15	0	NA	0.879	1.410	15	0	NA	0.998	1.370	15	0	NA	0.974	1.460
Lower Three Runs Creek River Mouth	15	0	NA	0.858	1.230	15	0	NA	0.959	1.300	15	0	NA	1.050	1.300
Hwy 301 Bridge Area	15	0	NA	0.840	1.420	15	0	NA	1.010	1.380	15	0	NA	0.925	1.400

2014 Metals in Fish: Units are ug/g

Analysis Summary - Saltwater Species at RM 0-8

indicates a detected value

Mullet						Red Drum				
Analyte	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)	N (number sampled)	Number of Detects	Mean (ug/g) of Detected Results	Min. (ug/g)	Max. (ug/g)
Arsenic (As)	15	0	NA	0.696	0.970	12	0	NA	0.616	0.868
Cadmium (Cd)	15	0	NA	0.070	0.088	12	0	NA	0.062	0.087
Chromium (Cr)	15	0	NA	0.070	0.131	12	0	NA	0.068	0.180
Copper (Cu)	15	0	NA	0.142	1.110	12	0	NA	0.147	0.325
Lead (Pb)	15	0	NA	0.870	0.882	12	0	NA	0.616	0.868
Manganese (Mn)	15	0	NA	0.096	0.366	12	0	NA	0.077	0.313
Nickel (Ni)	15	0	NA	0.139	0.176	12	0	NA	0.123	0.174
Zinc (Zn)	15	15	3.717	3.010	4.760	12	12	5.117	4.020	6.520
Antimony (Sb)	15	0	NA	1.040	1.320	12	0	NA	0.924	1.300