

Enclosure 32

Updated Mussel Depth Distribution Tables for 3,000 cfs – 12,000 cfs

Table 4. Observed profile (10,000- 3,000 cfs) corresponding to survey dates. See Table 1 for sample site locations and methods section for discussion of how these data were obtained. WP = waypoint, NM = Navigation Mile, and nd = no data.

WP	NM	Elev-	Estimates, ft at specific discharges								
			12,000 cfs	10,000 cfa	9,000 cfs	8,000 cfs	7,000 cfs	6,000 cfs	5,000 cfs	4,000 cfs	3,000 cfs
Sumatra	20.3		4.12	3.62	3.3	2.9	2.6	2.2	1.8	1.1	0.5
145	30.0	6.9	7.4	6.5	6.1	5.4	4.8	3.8	3.5	2.8	2.1
Mile 35	35.0		9.1	8.0	7.5	6.7	5.9	4.7	4.4	3.7	3.0
156	41.5	13.0	13.8	12.8	12.0	11.4	10.4	9.4	9.1	8.4	7.7
Wewa	44.2		15.7	14.8	13.9	13.4	12.3	11.3	11	10.3	9.6
155	46.8	16.2	16.9	16.0	15.1	14.6	13.6	12.5	12.2	11.5	10.8
150	48.4	16.9	17.7	16.8	15.8	15.3	14.3	13.3	13.0	12.3	11.6
152	48.4	16.9	17.7	16.8	15.8	15.3	14.3	13.3	13.0	12.3	11.6
153	49.0	17.2	18.0	17.1	16.1	15.6	14.6	13.6	13.3	12.6	11.9
154	53.4	19.3	20.1	19.2	18.1	17.7	16.7	15.7	15.4	14.7	14.0
158	73.3	29.5	29.7	28.6	27.7	27.0	26.3	25.2	24.9	24.2	23.5
159	73.3	29.5	29.7	28.6	27.7	27.0	26.3	25.2	24.9	24.2	23.5
160	73.3	29.5	29.7	28.6	27.7	27.0	26.3	25.2	24.9	24.2	23.5
Blountstown	78.0		32.0	30.9	29.9	29.2	28.6	27.5	27.1	26.4	25.7
Chattahoochee	106.0		43.0	42.0	41.4	40.9	40.3	39.7	39.1	38.4	37.7

Table 5. Estimated water level loss (feet) at sites surveyed in November 2003 at various discharge values. At 12,000 cfs the elevation would be higher than when the mussel data were collected.

WP	NM	Observed Profiles @ 12,000 cfs	Observed Profiles @ 10,000 cfs	Observed Profiles @ 9,000 cfs	Observed Profiles @ 8,000 cfs	Observed Profiles @ 7,000 cfs	Observed Profile @ 6,000 cfs	Observed Profile @ 5,000 cfs	Elev at 4,000 CFS	Elev at 3,000 CFS
145	30.0	-0.5	0.4	0.8	1.5	2.1	3.0	3.4	4.1	4.7
156	41.5	-0.7	0.2	1.0	1.6	2.6	3.6	3.9	4.6	5.3
155	46.8	-0.8	0.1	1.1	1.6	2.6	3.6	3.9	4.6	5.3
150	48.4	-0.8	0.1	1.1	1.6	2.5	3.6	3.9	4.6	5.3
152	48.4	-0.8	0.1	1.1	1.6	2.5	3.6	3.9	4.6	5.3
153	49.0	-0.8	0.1	1.1	1.6	2.5	3.6	3.9	4.6	5.3
154	53.4	-0.8	0.1	1.2	1.6	2.5	3.6	3.9	4.6	5.3
158	73.3	-0.2	0.9	1.8	2.5	3.2	4.3	4.6	5.3	6.0
159	73.3	-0.2	0.9	1.8	2.5	3.2	4.3	4.7	5.4	6.1
160	73.3	-0.2	0.9	1.8	2.5	3.2	4.3	4.7	5.4	6.1

Table 6. An estimate of the percentage of *A. neislerii* that would be exposed to the atmosphere at three locations at discharges of 3,000-10,000 cfs, Apalachicola River, Florida, 2003.

Location	NM	Estimated Mussels	Discharge, cfs							
			3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
A	30.0	11.0	6.1	5.2	2.1	0.0	0.0	0.0	0.0	0.0
B	41.5	42.6	42.6	36.3	32.8	25.5	6.6	0.0	0.0	0.0
B	41.5	3.0	3.0	2.6	2.3	1.8	0.5	0.0	0.0	0.0
B	46.8	3.8	3.8	3.2	2.9	2.3	0.6	0.0	0.0	0.0
B	48.4	5.3	5.3	4.5	4.1	3.2	0.8	0.0	0.0	0.0
B	48.4	1.5	1.5	1.3	1.2	0.9	0.2	0.0	0.0	0.0
B	49.0	3.0	3.0	2.6	2.3	1.8	0.5	0.0	0.0	0.0
C	73.3	10.5	8.8	7.0	4.9	3.6	1.6	0.8	0.0	0.0
C	73.3	1.0	0.8	0.7	0.5	0.4	0.1	0.1	0.0	0.0
C	73.3	34.7	29.2	23.1	16.1	13.5	5.1	2.6	0.0	0.0

An estimate of the percentage of *A. neislerii* that would be exposed to the atmosphere at three locations at discharges of 3,000 –10,000 cfs, Apalachicola River, Florida, 2003.

			3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
A			55.0	47.0	19.1	0.0	0.0	0.0	0.0	0.0
B			100.0	85.1	77.0	59.8	15.4	0.0	0.0	0.0
C			84.1	66.5	46.3	33.9	14.8	7.4	0.0	0.0

Locations A, B, and C, include sites at the following Navigation Miles:

A	30.0
B	41.5, 46.8, 48.4, 49.0
C	73.3