

**2005 MUSSEL SURVEY
MITCHELL DAM TAILWATERS
OCTOBER 22-23, 2005
Rob James, Larry Neill
(snail identifications by Jeff Garner)**

Date	Time	Diver	GPS N	GPS W	Sample #	Substrate	Visibility (in.)	Depth (ft.)	Identified by	Scientific Name	Common Name	No. collected
10/22/2005	907	RJ	32 48.057	86 26.193	1	Cobble and gravel	Good	18 to 20 LN		<i>Amblema plicata</i>	Threeridge	1
10/22/2005	907	RJ	32 48.057	86 26.193	1	Cobble and gravel	Good	18 to 20 LN		<i>Megaloniais nervosa</i>	Washboard	1
10/22/2005	907	RJ	32 48.057	86 26.193	1	Cobble and gravel	Good	18 to 20 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	9
10/22/2005	907	RJ	32 48.057	86 26.193	1	Cobble and gravel	Good	18 to 20 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	14
10/22/2005	907	RJ	32 48.057	86 26.193	1	Cobble and gravel	Good	18 to 20 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	2
10/22/2005	907	RJ	32 48.057	86 26.193	1	Cobble and gravel	Good	18 to 20 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	13
10/22/2005	940	RJ	32 48.057	86 26.193	2	Bedrock with few seams	Good	17 to 20 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	7
10/22/2005	940	RJ	32 48.057	86 26.193	2	Bedrock with few seams	Good	17 to 20 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	7
10/22/2005	940	RJ	32 48.057	86 26.193	2	Bedrock with few seams	Good	17 to 20 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	2
10/22/2005	940	RJ	32 48.057	86 26.193	2	Bedrock with few seams	Good	17 to 20 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	4
10/22/2005	1003	RJ	32 48.019	86 26.045	3	Bedrock and cobble	Good	18 LN		<i>Amblema plicata</i>	Threeridge	2
10/22/2005	1003	RJ	32 48.019	86 26.045	3	Bedrock and cobble	Good	18 LN		<i>Lamsilis teres</i>	Yellow Sandshell	1
10/22/2005	1003	RJ	32 48.019	86 26.045	3	Bedrock and cobble	Good	18 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	1
10/22/2005	1003	RJ	32 48.019	86 26.045	3	Bedrock and cobble	Good	18 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	5
10/22/2005	1037	RJ	32 47.735	86 25.821	4	Silt and clay	Good	10 to 24 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
10/22/2005	1037	RJ	32 47.735	86 25.821	4	Silt and clay	Good	10 to 24 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	13
10/22/2005	1037	RJ	32 47.735	86 25.821	4	Silt and clay	Good	10 to 24 LN		<i>Quadrula rumphiana</i>	Ridged Mapleleaf	4
10/22/2005	1037	RJ	32 47.735	86 25.821	4	Silt and clay	Good	10 to 24 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	2
10/22/2005	1037	RJ	32 47.735	86 25.821	4	Silt and clay	Good	10 to 24 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	21
10/22/2005	1120	RJ	32 47.705	86 25.792	5	Silt and clay	Good	10 to 17 LN		<i>Amblema plicata</i>	Threeridge	1
10/22/2005	1120	RJ	32 47.705	86 25.792	5	Silt and clay	Good	10 to 17 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	8
10/22/2005	1120	RJ	32 47.705	86 25.792	5	Silt and clay	Good	10 to 17 LN		<i>Quadrula rumphiana</i>	Ridged Mapleleaf	3
10/22/2005	1120	RJ	32 47.705	86 25.792	5	Silt and clay	Good	10 to 17 LN		<i>Campeloma regulare</i>	Cylinder Campeloma	3
10/22/2005	1120	RJ	32 47.705	86 25.792	5	Silt and clay	Good	10 to 17 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	16
10/22/2005	1120	RJ	32 47.705	86 25.792	5	Silt and clay	Good	10 to 17 LN		<i>Viviparus subpurpureus</i>	Olive Mysterysnail	2
10/22/2005	1257	RJ	32 47.658	86 25.755	6	Clay	Good	17 to 24 LN		No mussels collected	No mussels collected	0
10/22/2005	1257	RJ	32 47.658	86 25.755	6	Clay	Good	17 to 24 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	1
10/22/2005	1257	RJ	32 47.658	86 25.755	6	Clay	Good	17 to 24 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	10
10/22/2005	1333	RJ	32 47.461	86 25.721	7	Boulders, gravel and sand	Good	19 to 23 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
10/22/2005	1333	RJ	32 47.461	86 25.721	7	Boulders, gravel and sand	Good	19 to 23 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	9
10/22/2005	1333	RJ	32 47.461	86 25.721	7	Boulders, gravel and sand	Good	19 to 23 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	6
10/22/2005	1402	RJ	32 47.485	86 25.592	8	Bedrock, cobble and gravel	Good	19 to 27 LN		No mussels collected	No mussels collected	0
10/22/2005	1402	RJ	32 47.485	86 25.592	8	Bedrock, cobble and gravel	Good	19 to 27 LN		No snails collected	No snails collected	0
10/22/2005	1432	RJ	32 47.530	86 25.672	9	Clay with cobble	Good	10 to 15 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
10/22/2005	1432	RJ	32 47.530	86 25.672	9	Clay with cobble	Good	10 to 15 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	2
10/22/2005	1432	RJ	32 47.530	86 25.672	9	Clay with cobble	Good	10 to 15 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	9
10/23/2005	903	RJ	32 47.774	86 25.846	10	Silt and sand	Good	7 to 17 LN		<i>Amblema plicata</i>	Threeridge	1
10/23/2005	903	RJ	32 47.774	86 25.846	10	Silt and sand	Good	7 to 17 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
10/23/2005	903	RJ	32 47.774	86 25.846	10	Silt and sand	Good	7 to 17 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	9
10/23/2005	903	RJ	32 47.774	86 25.846	10	Silt and sand	Good	7 to 17 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	14
10/23/2005	945	RJ	32 47.952	86 26.240	11	Cobble covered with silt	Good	7 LN		<i>Amblema plicata</i>	Threeridge	7
10/23/2005	945	RJ	32 47.952	86 26.240	11	Cobble covered with silt	Good	7 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
10/23/2005	945	RJ	32 47.952	86 26.240	11	Cobble covered with silt	Good	7 LN		<i>Truncilla donaciformis</i>	Fawnsfoot	1
10/23/2005	945	RJ	32 47.952	86 26.240	11	Cobble covered with silt	Good	7 LN		<i>Campeloma regulare</i>	Cylinder Campeloma	1
10/23/2005	945	RJ	32 47.952	86 26.240	11	Cobble covered with silt	Good	7 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	6
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Amblema plicata</i>	Threeridge	4
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	9
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	27
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Quadrula asperata</i>	Alabama Orb	1
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Quadrula rumphiana</i>	Ridged Mapleleaf	1
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Truncilla donaciformis</i>	Fawnsfoot	1
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	4
10/23/2005	1000	RJ	32 47.960	86 26.237	12	Gravel with sand	Good	17 LN		<i>Viviparus subpurpureus</i>	Olive Mysterysnail	1
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21 LN		<i>Ellipsaria lineolata</i>	Butterfly	1

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Date	Time	Diver	GPS N	GPS W	Sample #	Substrate	Visibility (in.)	Depth (ft.)	Identified by	Scientific Name	Common Name	No. collected
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21	LN	<i>Leptodea fragilis</i>	Fragile Papershell	1
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21	LN	<i>Obliquaria reflexa</i>	Threehorn Wartyback	8
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	14
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21	LN	<i>Quadrula rumphiana</i>	Ridged Mapleleaf	12
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21	LN	<i>Elimia hartmaniana</i>	High-spired Elimia	2
10/23/2005	1100	RJ	32 47.322	86 24.937	13	Bedrock and cobble	Good	21	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	24
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Amblema plicata</i>	Threeridge	4
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Megaloniaias nervosa</i>	Washboard	2
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Obliquaria reflexa</i>	Threehorn Wartyback	15
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	31
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Quadrula rumphiana</i>	Ridged Mapleleaf	3
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Elimia hartmaniana</i>	High-spired Elimia	2
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	11
10/23/2005	1137	RJ	32 47.425	86 24.840	14	Bedrock, cobble and gravel	Good	17	LN	<i>Viviparus subpurpureus</i>	Olive Mysterysnail	7
10/23/2005	1215	RJ	32 47.488	86 25.091	15	Clay and silt	Good	26	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	2
10/23/2005	1215	RJ	32 47.488	86 25.091	15	Clay and silt	Good	26	LN	<i>Quadrula rumphiana</i>	Ridged Mapleleaf	3
10/23/2005	1215	RJ	32 47.488	86 25.091	15	Clay and silt	Good	26	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	15
10/23/2005	1250	RJ	32 47.539	86 47.524	16	Bedrock, cobble and sand	Good	21	LN	<i>Obliquaria reflexa</i>	Threehorn Wartyback	6
10/23/2005	1250	RJ	32 47.539	86 47.524	16	Bedrock, cobble and sand	Good	21	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	10
10/23/2005	1250	RJ	32 47.539	86 47.524	16	Bedrock, cobble and sand	Good	21	LN	<i>Quadrula rumphiana</i>	Ridged Mapleleaf	2
10/23/2005	1250	RJ	32 47.539	86 47.524	16	Bedrock, cobble and sand	Good	21	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	11
10/23/2005	1250	RJ	32 47.539	86 47.524	16	Bedrock, cobble and sand	Good	21	LN	<i>Viviparus subpurpureus</i>	Olive Mysterysnail	12
10/23/2005	1327	RJ	32 47.489	86 25.569	17	Cobble and bedrock	Good	15 to 25	LN	<i>Leptodea fragilis</i>	Fragile Papershell	1
10/23/2005	1327	RJ	32 47.489	86 25.569	17	Cobble and bedrock	Good	15 to 25	LN	<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
10/23/2005	1327	RJ	32 47.489	86 25.569	17	Cobble and bedrock	Good	15 to 25	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	20
10/23/2005	1327	RJ	32 47.489	86 25.569	17	Cobble and bedrock	Good	15 to 25	LN	<i>Elimia hartmaniana</i>	High-spired Elimia	3
10/23/2005	1327	RJ	32 47.489	86 25.569	17	Cobble and bedrock	Good	15 to 25	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	9
10/23/2005	1402	RJ	32 87.745	86 25.929	18	Cobble and clay	Good	8 to 20	LN	<i>Amblema plicata</i>	Threeridge	1
10/23/2005	1402	RJ	32 87.745	86 25.929	18	Cobble and clay	Good	8 to 20	LN	<i>Leptodea fragilis</i>	Fragile Papershell	2
10/23/2005	1402	RJ	32 87.745	86 25.929	18	Cobble and clay	Good	8 to 20	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	13
10/23/2005	1402	RJ	32 87.745	86 25.929	18	Cobble and clay	Good	8 to 20	LN	<i>Quadrula rumphiana</i>	Ridged Mapleleaf	1
10/23/2005	1402	RJ	32 87.745	86 25.929	18	Cobble and clay	Good	8 to 20	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	11
10/23/2005	1402	RJ	32 87.745	86 25.929	18	Cobble and clay	Good	8 to 20	LN	<i>Viviparus subpurpureus</i>	Olive Mysterysnail	3
10/23/2005	1435	RJ	32 47.832	86 25.908	19	Sand and cobble	Good	10 to 25	LN	<i>Amblema plicata</i>	Threeridge	3
10/23/2005	1435	RJ	32 47.832	86 25.908	19	Sand and cobble	Good	10 to 25	LN	<i>Obliquaria reflexa</i>	Threehorn Wartyback	3
10/23/2005	1435	RJ	32 47.832	86 25.908	19	Sand and cobble	Good	10 to 25	LN	<i>Quadrula apiculata</i>	Southern Mapleleaf	8
10/23/2005	1435	RJ	32 47.832	86 25.908	19	Sand and cobble	Good	10 to 25	LN	<i>Quadrula rumphiana</i>	Ridged Mapleleaf	2
10/23/2005	1435	RJ	32 47.832	86 25.908	19	Sand and cobble	Good	10 to 25	LN	<i>Elimia hartmaniana</i>	High-spired Elimia	2
10/23/2005	1435	RJ	32 47.832	86 25.908	19	Sand and cobble	Good	10 to 25	LN	<i>Pleurocera prasinata</i>	Smooth Hornsnail	11

Table 2. Mussels and snails collected in the Mitchell Dam Tailrace, Chilton/Coosa County, Alabama, October 22-23, 2005
(mussels identified by Larry Neill; snails identified by Jeff Garner)

Sample #	Begin Time	GPS N	GPS W	Scientific Name	Common Name	No. collected
1	0907	32 48.057	86 26.193	<i>Amblema plicata</i>	Threeridge	1
				<i>Megalonaias nervosa</i>	Washboard	1
				<i>Obliquaria reflexa</i>	Threehorn Wartyback	9
				<i>Quadrula apiculata</i>	Southern Mapleleaf	14
				<i>Elimia hartmaniana</i>	High-spired Elimia	2
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	13
2	0940	32 48.057	86 26.193	<i>Obliquaria reflexa</i>	Threehorn Wartyback	7
				<i>Quadrula apiculata</i>	Southern Mapleleaf	7
				<i>Elimia hartmaniana</i>	High-spired Elimia	2
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	4
3	1003	32 48.019	86 26.045	<i>Amblema plicata</i>	Threeridge	2
				<i>Lamsilis teres</i>	Yellow Sandshell	1
				<i>Quadrula apiculata</i>	Southern Mapleleaf	1
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	5
4	1037	32 47.735	86 25.821	<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
				<i>Quadrula apiculata</i>	Southern Mapleleaf	13
				<i>Quadrula rumphiana</i>	Ridged Mapleleaf	4
				<i>Elimia hartmaniana</i>	High-spired Elimia	2
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	21
5	1120	32 47.705	86 25.792	<i>Amblema plicata</i>	Threeridge	1
				<i>Quadrula apiculata</i>	Southern Mapleleaf	8
				<i>Quadrula rumphiana</i>	Ridged Mapleleaf	3
				<i>Campeloma regulare</i>	Cylinder Campeloma	3
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	16
				<i>Viviparus subpurpureus</i>	Olive Mysterysnail	2
6	1257	32 47.658	86 25.755	No mussels collected	No mussels collected	0
				<i>Elimia hartmaniana</i>	High-spired Elimia	1
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	10
7	1333	32 47.461	86 25.721	<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
				<i>Quadrula apiculata</i>	Southern Mapleleaf	9
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	6
8	1402	32 47.485	86 25.592	No mussels collected	No mussels collected	0
				No snails collected	No snails collected	0
9	1432	32 47.530	86 25.672	<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
				<i>Elimia hartmaniana</i>	High-spired Elimia	2
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	9
10	0903	32 47.774	86 25.846	<i>Amblema plicata</i>	Threeridge	1
				<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
				<i>Quadrula apiculata</i>	Southern Mapleleaf	9
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	14
11	0945	32 47.952	86 26.240	<i>Amblema plicata</i>	Threeridge	7
				<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
				<i>Truncilla donaciformis</i>	Fawnsfoot	1
				<i>Campeloma regulare</i>	Cylinder Campeloma	1
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	6