

**2005 MUSSEL SURVEY  
LAY DAM TAILWATERS  
OCTOBER 15-16, 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
10/15/2005	955 RJ		32 57.324	86 30.879	1	Bedrock with pockets of gravel	Good	6 to 20 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	4
10/15/2005	955 RJ		32 57.324	86 30.879	1	Bedrock with pockets of gravel	Good	6 to 20 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	1
10/15/2005	955 RJ		32 57.324	86 30.879	1	Bedrock with pockets of gravel	Good	6 to 20 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	12
10/15/2005	955 RJ		32 57.324	86 30.879	1	Bedrock with pockets of gravel	Good	6 to 20 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	14
10/15/2005	955 RJ		32 57.324	86 30.879	1	Bedrock with pockets of gravel	Good	6 to 20 LN		<i>Viviparus subpurpureus</i>	Olive Mysterysnail	4
10/15/2005	1035 RJ		32 57.310	86 30.903	2	Bedrock with pockets of gravel	Good	6 LN		No mussels collected	No mussels collected	0
10/15/2005	1035 RJ		32 57.310	86 30.903	2	Bedrock with pockets of gravel	Good	6 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	6
10/15/2005	1035 RJ		32 57.310	86 30.903	2	Bedrock with pockets of gravel	Good	6 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	9
10/15/2005	1035 RJ		32 57.310	86 30.903	2	Bedrock with pockets of gravel	Good	6 LN		<i>Viviparus subpurpureus</i>	Olive Mysterysnail	1 relict shell
10/15/2005	1105 RJ		32 57.243	86 30.878	3	Bedrock with pockets of gravel	Good	6 to 10 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	4
10/15/2005	1105 RJ		32 57.243	86 30.878	3	Bedrock with pockets of gravel	Good	6 to 10 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	2
10/15/2005	1105 RJ		32 57.243	86 30.878	3	Bedrock with pockets of gravel	Good	6 to 10 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	4
10/15/2005	1105 RJ		32 57.243	86 30.878	3	Bedrock with pockets of gravel	Good	6 to 10 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	19
10/15/2005	1105 RJ		32 57.243	86 30.878	3	Bedrock with pockets of gravel	Good	6 to 10 LN		<i>Viviparus subpurpureus</i>	Olive Mysterysnail	3
10/15/2005	1151 RJ		32 57.234	86 30.984	4	Bedrock with pockets of gravel, sand	Good	6 to 10 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	1
10/15/2005	1151 RJ		32 57.234	86 30.984	4	Bedrock with pockets of gravel, sand	Good	6 to 10 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	5
10/15/2005	1151 RJ		32 57.234	86 30.984	4	Bedrock with pockets of gravel, sand	Good	6 to 10 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	1
10/15/2005	1151 RJ		32 57.234	86 30.984	4	Bedrock with pockets of gravel, sand	Good	6 to 10 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	16 combined samples 4,5
10/15/2005	1151 RJ		32 57.234	86 30.984	4	Bedrock with pockets of gravel, sand	Good	6 to 10 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	30 combined samples 4,5
10/15/2005	1225 RJ		32 57.154	86 30.990	5	Bedrock with pockets of gravel	Good	6 to 12 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	4
10/15/2005	1225 RJ		32 57.154	86 30.990	5	Bedrock with pockets of gravel	Good	6 to 12 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	17
10/15/2005	1225 RJ		32 57.154	86 30.990	5	Bedrock with pockets of gravel	Good	6 to 12 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	21
10/15/2005	1300 RJ		32 57.242	86 30.768	6	Bedrock with pockets of gravel, cobble	Good	7 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	6
10/15/2005	1300 RJ		32 57.242	86 30.768	6	Bedrock with pockets of gravel, cobble	Good	7 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	2
10/15/2005	1300 RJ		32 57.242	86 30.768	6	Bedrock with pockets of gravel, cobble	Good	7 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	6
10/15/2005	1300 RJ		32 57.242	86 30.768	6	Bedrock with pockets of gravel, cobble	Good	7 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	3
10/15/2005	1300 RJ		32 57.242	86 30.768	6	Bedrock with pockets of gravel, cobble	Good	7 LN		<i>Elimia haysiana</i>	Silt Elimia	1
10/15/2005	1300 RJ		32 57.242	86 30.768	6	Bedrock with pockets of gravel, cobble	Good	7 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	20
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Corbicula fluminea</i>	Asiatic Clam	2
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	6
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	27
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	11
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Truncilla donaciformis</i>	Fawnsfoot	1
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	8
10/15/2005	1411 RJ		32 57.077	86 31.010	7	Bedrock with cobble and sand	Good	7 to 10 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	7
10/15/2005	1444 RJ		32 57.059	86 30.978	8	Cobble and gravel over bedrock	Good	6 to 8 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	3
10/15/2005	1444 RJ		32 57.059	86 30.978	8	Cobble and gravel over bedrock	Good	6 to 8 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	7
10/15/2005	1444 RJ		32 57.059	86 30.978	8	Cobble and gravel over bedrock	Good	6 to 8 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	17
10/15/2005	1444 RJ		32 57.059	86 30.978	8	Cobble and gravel over bedrock	Good	6 to 8 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	19 combined samples 8,9
10/15/2005	1444 RJ		32 57.059	86 30.978	8	Cobble and gravel over bedrock	Good	6 to 8 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	17 combined samples 8,9
10/15/2005	1516 RJ		32 57.083	86 30.946	9	Bedrock with sand	Good	6 to 8 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	10
10/15/2005	1516 RJ		32 57.083	86 30.946	9	Bedrock with sand	Good	6 to 8 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	1
10/15/2005	1516 RJ		32 57.083	86 30.946	9	Bedrock with sand	Good	6 to 8 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	15
10/15/2005	1550 RJ		32 56.870	86 31.007	10	Bedrock and sand	Good	21 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	11
10/15/2005	1550 RJ		32 56.870	86 31.007	10	Bedrock and sand	Good	21 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	2
10/16/2005	925 RJ		32 57.442	86 30.903	11	Bedrock, cobble and gravel	Good	3 to 8 LN		No mussels collected	No mussels collected	0
10/16/2005	925 RJ		32 57.442	86 30.903	11	Bedrock, cobble and gravel	Good	3 to 8 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	10
10/16/2005	925 RJ		32 57.442	86 30.903	11	Bedrock, cobble and gravel	Good	3 to 8 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	31
10/16/2005	1000 RJ		32 57.579	86 30.878	12	Bedrock, cobble and gravel	Good	3 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	4
10/16/2005	1000 RJ		32 57.579	86 30.878	12	Bedrock, cobble and gravel	Good	3 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	21
10/16/2005	1000 RJ		32 57.579	86 30.878	12	Bedrock, cobble and gravel	Good	3 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	19
10/16/2005	1000 RJ		32 57.579	86 30.878	12	Bedrock, cobble and gravel	Good	3 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	10
10/16/2005	1038 RJ		32 57.118	86 30.863	13	Bedrock	Good	8 LN		<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
10/16/2005	1038 RJ		32 57.118	86 30.863	13	Bedrock	Good	8 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	2
10/16/2005	1038 RJ		32 57.118	86 30.863	13	Bedrock	Good	8 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	1
10/16/2005	1038 RJ		32 57.118	86 30.863	13	Bedrock	Good	8 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	9
10/16/2005	1038 RJ		32 57.118	86 30.863	13	Bedrock	Good	8 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	9
10/16/2005	1108 RJ		32 57.122	86 30.804	14	Bedrock and gravel	Good	3 to 8 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	6
10/16/2005	1108 RJ		32 57.122	86 30.804	14	Bedrock and gravel	Good	3 to 8 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	7
10/16/2005	1108 RJ		32 57.122	86 30.804	14	Bedrock and gravel	Good	3 to 8 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	4
10/16/2005	1108 RJ		32 57.122	86 30.804	14	Bedrock and gravel	Good	3 to 8 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	12
10/16/2005	1145 RJ		32 56.975	86 30.803	15	Bedrock, cobble and gravel	Good	3 to 8 LN		<i>Lampsilis teres</i>	Yellow Sandshell	1 Snails = 36
10/16/2005	1145 RJ		32 56.975	86 30.803	15	Bedrock, cobble and gravel	Good	3 to 8 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	1
10/16/2005	1145 RJ		32 56.975	86 30.803	15	Bedrock, cobble and gravel	Good	3 to 8 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	17

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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
10/16/2005	1145	RJ	32 56.975	86 30.803	15	Bedrock, cobble and gravel	Good	3 to 8 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	19 includes 2 relict shells
10/16/2005	1300	RJ	32 56.823	86 30.607	16	Bedrock, gravel and sand	Good	7 to 9 LN		<i>Oblivaria reflexa</i>	Threehorn Wartyback	10
10/16/2005	1300	RJ	32 56.823	86 30.607	16	Bedrock, gravel and sand	Good	7 to 9 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	2
10/16/2005	1300	RJ	32 56.823	86 30.607	16	Bedrock, gravel and sand	Good	7 to 9 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	18
10/16/2005	1300	RJ	32 56.823	86 30.607	16	Bedrock, gravel and sand	Good	7 to 9 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	5
10/16/2005	1300	RJ	32 56.823	86 30.607	16	Bedrock, gravel and sand	Good	7 to 9 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	19
10/16/2005	1335	RJ	32 56.703	86 30.863	17	Bedrock, cobble and gravel	Good	7 to 9 LN		<i>Oblivaria reflexa</i>	Threehorn Wartyback	3
10/16/2005	1335	RJ	32 56.703	86 30.863	17	Bedrock, cobble and gravel	Good	7 to 9 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	3
10/16/2005	1335	RJ	32 56.703	86 30.863	17	Bedrock, cobble and gravel	Good	7 to 9 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	9
10/16/2005	1335	RJ	32 56.703	86 30.863	17	Bedrock, cobble and gravel	Good	7 to 9 LN		Unionidae sp.	Unidentified juvenile	1
10/16/2005	1335	RJ	32 56.703	86 30.863	17	Bedrock, cobble and gravel	Good	7 to 9 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	5
10/16/2005	1335	RJ	32 56.703	86 30.863	17	Bedrock, cobble and gravel	Good	7 to 9 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	12
10/16/2005	1405	RJ	32 56.685	86 30.786	18	Cobble and gravel	Good	10 LN		<i>Oblivaria reflexa</i>	Threehorn Wartyback	2
10/16/2005	1405	RJ	32 56.685	86 30.786	18	Cobble and gravel	Good	10 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	3
10/16/2005	1405	RJ	32 56.685	86 30.786	18	Cobble and gravel	Good	10 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	9
10/16/2005	1405	RJ	32 56.685	86 30.786	18	Cobble and gravel	Good	10 LN		Unionidae sp.	Unidentified juvenile	1
10/16/2005	1405	RJ	32 56.685	86 30.786	18	Cobble and gravel	Good	10 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	3
10/16/2005	1405	RJ	32 56.685	86 30.786	18	Cobble and gravel	Good	10 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	10
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Oblivaria reflexa</i>	Threehorn Wartyback	4
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Plectomerus dombeyanus</i>	Bankclimber	3
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	6
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Truncilla donaciformis</i>	Fawnsfoot	1?
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	6
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	6
10/16/2005	1440	RJ	32 56.774	86 30.720	19	Bedrock and cobble	Good	6 to 8 LN		<i>Viviparus subpurpureus</i>	Olive Mysterysnail	1
10/16/2005	1522	RJ	32 56.801	86 30.966	20	Bedrock and sand	Good	21 LN		<i>Leptodea fragilis</i>	Fragile papershell	1
10/16/2005	1522	RJ	32 56.801	86 30.966	20	Bedrock and sand	Good	21 LN		<i>Oblivaria reflexa</i>	Threehorn Wartyback	4
10/16/2005	1522	RJ	32 56.801	86 30.966	20	Bedrock and sand	Good	21 LN		<i>Quadrula apiculata</i>	Southern Mapleleaf	1
10/16/2005	1522	RJ	32 56.801	86 30.966	20	Bedrock and sand	Good	21 LN		<i>Elimia hartmaniana</i>	High-spined Elimia	6
10/16/2005	1522	RJ	32 56.801	86 30.966	20	Bedrock and sand	Good	21 LN		<i>Pleurocera prasinata</i>	Smooth Hornsnail	9

Table 1. Mussels and snails collected in the Lay Dam Tailrace, Chilton/Coosa County, Alabama, October 15-16, 2005  
(mussels identified by Larry Neill; snails identified by Jeff Garner)

Sample #	Begin Time	GPS N	GPS W	Scientific Name	Common Name	No. collected
12	1000	32 57.579	86 30.878	<i>Obliquaria reflexa</i>	Threehorn Wartyback	4
				<i>Quadrula apiculata</i>	Southern Mapleleaf	21
				<i>Elimia hartmaniana</i>	High-spired Elimia	19
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	10
13	1038	32 57.118	86 30.863	<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
				<i>Plectomerus dombeyanus</i>	Bankclimber	2
				<i>Quadrula apiculata</i>	Southern Mapleleaf	1
				<i>Elimia hartmaniana</i>	High-spired Elimia	9
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	9
14	1108	32 57.122	86 30.804	<i>Plectomerus dombeyanus</i>	Bankclimber	6
				<i>Quadrula apiculata</i>	Southern Mapleleaf	7
				<i>Elimia hartmaniana</i>	High-spired Elimia	4
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	12
15	1145	32 56.975	86 30.803	<i>Lampsilis teres</i>	Yellow Sandshell	1
				<i>Quadrula apiculata</i>	Southern Mapleleaf	1
				<i>Elimia hartmaniana</i>	High-spired Elimia	17
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	19
16	1300	32 56.823	86 30.607	<i>Obliquaria reflexa</i>	Threehorn Wartyback	10
				<i>Plectomerus dombeyanus</i>	Bankclimber	2
				<i>Quadrula apiculata</i>	Southern Mapleleaf	18
				<i>Elimia hartmaniana</i>	High-spired Elimia	5
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	19
17	1335	32 56.703	86 30.863	<i>Obliquaria reflexa</i>	Threehorn Wartyback	3
				<i>Plectomerus dombeyanus</i>	Bankclimber	3
				<i>Quadrula apiculata</i>	Southern Mapleleaf	9
				Unionidae sp.	Unidentified juvenile	1
				<i>Elimia hartmaniana</i>	High-spired Elimia	5
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	12
18	1405	32 56.685	86 30.786	<i>Obliquaria reflexa</i>	Threehorn Wartyback	2
				<i>Plectomerus dombeyanus</i>	Bankclimber	3
				<i>Quadrula apiculata</i>	Southern Mapleleaf	9
				Unionidae sp.	Unidentified juvenile	1
				<i>Elimia hartmaniana</i>	High-spired Elimia	3
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	10
19	1440	32 56.774	86 30.720	<i>Obliquaria reflexa</i>	Threehorn Wartyback	4
				<i>Plectomerus dombeyanus</i>	Bankclimber	3
				<i>Quadrula apiculata</i>	Southern Mapleleaf	6
				<i>Truncilla donaciformis</i>	Fawnsfoot	1?
				<i>Elimia hartmaniana</i>	High-spired Elimia	6
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	6
				<i>Viviparus subpurpureus</i>	Olive Mysterysnail	1
20	1522	32 56.801	86 30.966	<i>Leptodea fragilis</i>	Fragile papershell	1
				<i>Obliquaria reflexa</i>	Threehorn Wartyback	4
				<i>Quadrula apiculata</i>	Southern Mapleleaf	1
				<i>Elimia hartmaniana</i>	High-spired Elimia	6
				<i>Pleurocera prasinata</i>	Smooth Hornsnail	9