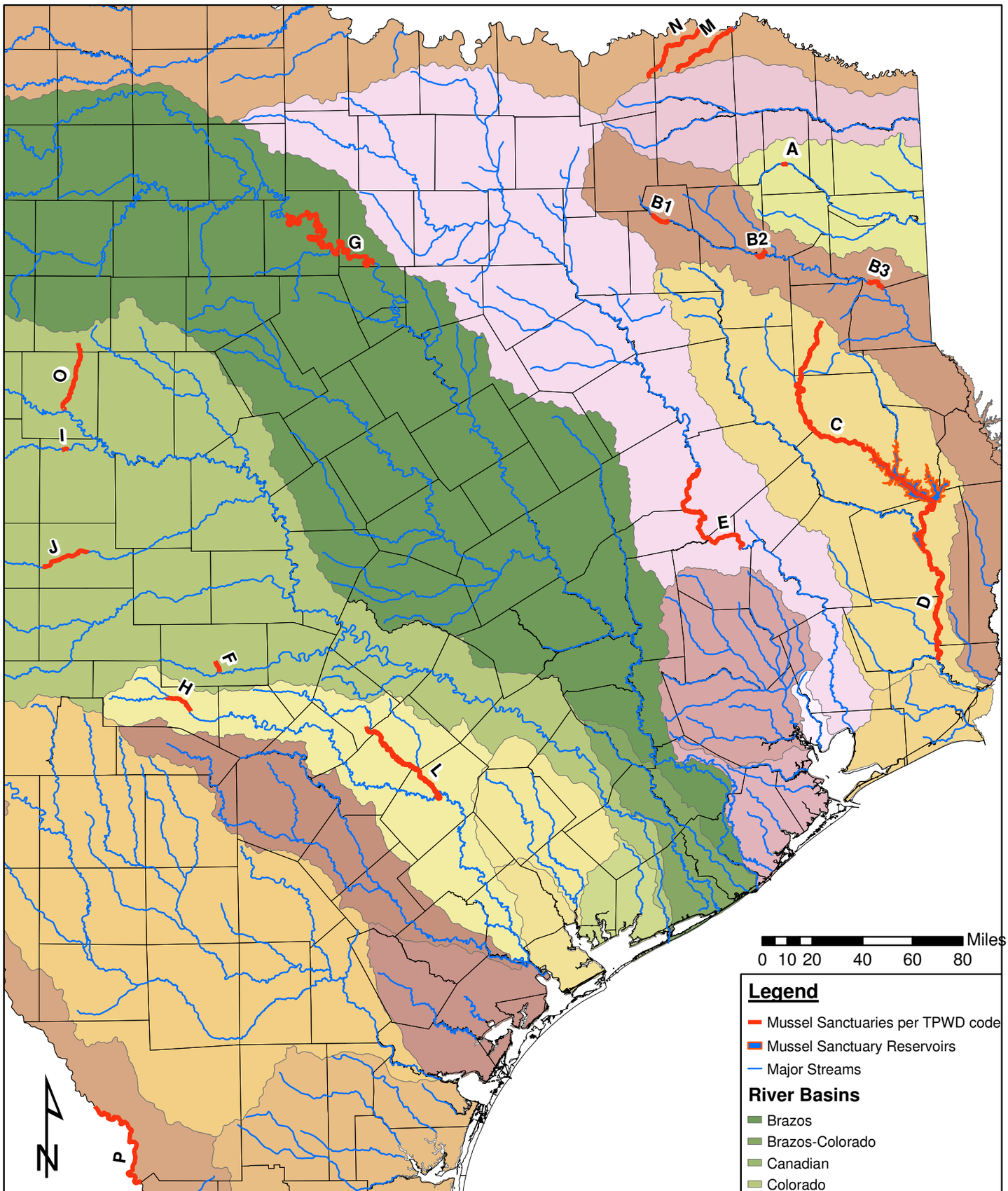
Texas Mussel Sanctuaries

Texas Administrative Code Title 31, part 2, Ch. 57, subch. B, rule 57.157



TPWD Code (subpart d.2)	Stream Name	County(ies)	Upper Boundary	Lower Boundary
A	Big Cypress Creek	Camp	Lake Bob Sandlin dam	US Highway 271
B1	Sabine River	Rains, Van Zandt	Lake Tawakoni dam	State Highway 19
B2	Sabine River	Smith, Upshur, Wood	FM 14	State Highway 155
B3	Sabine River	Harrison, Panola	State Highway 43	US Highway 59
C	Angelina River	Angelina, Cherokee, Jasper, Nacogdoches, Rusk, San Augustine, Tyler	Source in Rusk County	Confluence with Neches includes B.A. Steinhagen Res.
D	Neches River	Hardin, Jasper, Orange, Tyler	B.A. Steinhagen Res. (aka Lake B.A. Steinhagen)	Pine Island Bayou
E	Trinity River	Houston, Leon, Madison, Trinity, Walker	State Highway 7	State Highway 19
F	Live Oak Creek	Gillespie	US Highway 290	Pedernales River
G	Brazos River	Palo Pinto, Parker	Possum Kingdom Reservoir dam	FM 2580 (Tin Top road/hwy)
H	Guadalupe River	Kerr	UGRA dam (Lake Ingram assumed)	Flat Rock dam
I	Concho River	Concho	Mouth of Kickapoo Creek	US Highway 83 bridge
J	San Saba River	Menard	FM 864	US Highway 83 bridge
K	Guadalupe River	Gonzales	Wood Lake dam (aka Lake Wood)	Confluence with San Marcos River
L	San Marcos River	Hays, Guadalupe, Gonzales	Source at San Marcos Springs	Confluence with Guadalupe River
M	Pine Creek	Lamar, Red River	Source in Lamar County	Confluence with Red River
N	Sanders Creek	Fannin, Lamar	Source in Fannin County	Confluence with Red River
O	Elm Creek	Runnels, Taylor	Source in Taylor County	Elm Creek Lake dam in Ballinger
P	Rio Grande	Webb	Columbia Bridge (aka Laredo/Colombia Solidarity Bridge)	Webb/Zapata county line

common name	*species*	N alive	N shells	Shells kept	N valves	Valves kept	Shell Condition	Date
yellow sandshell	*Lampsilis teres*		1				very-recently dead	27-Aug-98
fragile papershell	*Leptodea fragilis*		1				recently dead	27-Aug-98
pink papershell	*Potamilus ohiensis*		1				very-recently dead	27-Aug-98
lilliput	*Toxolasma parvus*		1				relatively-recently dead	27-Aug-98
fragile papershell	*Leptodea fragilis*				2		very-recently to recently dead	14-Aug-99
fragile papershell	*Leptodea fragilis*				3		recently to long dead	15-Aug-99
bleufer	*Potamilus purpuratus*		1	1	1	1	relatively recently dead	25-May-05
giant floater	*Pyganodon grandis*		1	1			recently dead	25-May-05
Texas fawnsfoot	***Truncilla macrodon***		**1**	**1**			**very long dead**	**25-May-05**
Tampico Pearlymussel	*Cyrtonaias tampicoensis*		2	2	2	2	relatively-recently to long dead	21-Jan-06
yellow sandshell	*Lampsilis teres*				1	1	long dead	21-Jan-06
pond mussel	*Ligumia subrostrata*		1	1			lond dead	21-Jan-06

pink papershell	*Potamilus ohiensis*		1	1			long dead	21-Jan-06
southern mapleleaf	*Quadrula apiculata*		3	1	1	0	relatively-recently dead	21-Jan-06
Texas fawnsfoot	***Truncilla macrodon***				**1**	**1**	**long dead**	**21-Jan-06**
Tampico pearlymussel	*Cyrtonaias tampicoensis*				3	3	long to very-long dead	22-Apr-06
yellow sandshell	*Lampsilis teres*		1	1	1	1	long dead to subfossil	22-Apr-06
fragile papershell	*Leptodea fragilis*		1	1	2	2	relatively-recently dead	22-Apr-06
giant floater	*Pyganodon grandis*				1	1	recently dead	22-Apr-06
southern mapleleaf	*Quadrula apiculata*		1	1			long dead	22-Apr-06
Texas fawnsfoot	***Truncilla macrodon***				**6**	**6**	**relatively-recently to very-long dead**	**22-Apr-06**
southern mapleleaf	*Quadrula apiculata*		1	1			recently dead	2-Dec-07
Texas fawnsfoot	***Truncilla macrodon***				**1**	**1**	**very-long dead**	**2-Dec-07**
bleufer	*Potamilus purpuratus*				3	0	very-long dead	2-Dec-07

pink papershell	*Potamilus ohiensis*		1	0	4	0	long to very-long dead	2-Dec-07
yellow sandshell	*Lampsilis teres*				5	0	long to very-long dead	2-Dec-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*		3	0	10	0	recently to very-long dead	2-Dec-07
fragile papershell	*Leptodea fragilis*				1		not recorded	2-Nov-98
yellow sandshell	*Lampsilis teres*				4		recently to long dead	18-Jan-99
bleufer	*Potamilus purpuratus*				2		relatively-recently dead	18-Jan-99
southern mapleleaf	*Quadrula apiculata*				6		recently to long dead	18-Jan-99
yellow sandshell	*Lampsilis teres*		1	1	1	1	long to very-long dead	29-Dec-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*		4	4			long to very-long dead	29-Dec-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*				2	0	very-long dead	31-Aug-08
yellow sandshell	*Lampsilis teres*		12	12			very recently dead	18-Sep-08
fragile papershell	*Leptodea fragilis*				2	2	relatively-recently to long dead	17-Sep-08
southern mapleleaf	*Quadrula apiculata*				1	1	long dead	17-Sep-08
bleufer	*Potamilus purpuratus*				1	1	long dead	17-Sep-08

tapered pondhorn	*Uniomerus declivis*				1	1	long dead	17-Sep-08
pink papershell	*Potamilus ohiensis*				1	1	long dead	17-Sep-08
pondhorn species	*Uniomerus species*		3	3	19	19	very-long dead	17-Sep-08
Texas lilliput	*Toxolasmus texasiensis*				13	13	very-long dead	17-Sep-08
yellow sandshell	*Lampsilis teres*		1	1	2	2	relatively-recently to very-long dead	16-Sep-08
tapered pondhorn	*Uniomerus declivis*		1	1	8	8	long dead	16-Sep-08
Texas lilliput	*Toxolasmus texasiensis*				7	7	long to very-long dead	16-Sep-08
giant floater	*Pyganodon grandis*		1	1			relatively-recently dead	19-Sep-08
fragile papershell	*Leptodea fragilis*				3	3	very-long dead	18-Sep-08
yellow sandshell	*Lampsilis teres*	3	2	2	11	11	recently to very-long dead	18-Sep-08
southern mapleleaf	*Quadrula apiculata*				2	2	very-long dead to subfossil	18-Sep-08
tapered pondhorn	*Uniomerus declivis*		1	1	10	10	very-lond dead	18-Sep-08
lilliput	*Toxolasma parvus*				1	1	very-long dead	18-Sep-08
pistolgrip	*Tritogonia verrucosa*				1	1	very-long dead	18-Sep-08
fragile papershell	*Leptodea fragilis*		1	1	5	5	relatively-recently to very-long dead	18-Sep-08
yellow sandshell	*Lampsilis teres*		1	1	4	4	recently to very-long dead	14-Dec-08
bleufer	*Potamilus purpuratus*				1	1	long dead	14-Dec-08
giant floater	*Pyganodon grandis*		1	1			long dead	14-Dec-08

Texas lilliput	*Toxolasma texasiensis*		1	1	2	2	relatively-recently to long dead	14-Dec-08
southern mapleleaf	*Quadrula apiculata*				2	2	long dead	2-Jan-09
Texas lilliput	*Toxolasma texasiensis*				1	1	relatively-recently dead	2-Jan-09
giant floater	*Pyganodon grandis*		1		1		relatively recently dead	19-Aug-00
paper pondshell	*Utterbackia imbecillis*		1				recently dead	19-Aug-00
yellow sandshell	*Lampsilis teres*				1		long dead	19-Aug-00
bluefer	*Potamilus purpuratus*		1				recently dead	19-Aug-00
southern mapleleaf	*Quadrula apiculata*	1			4		relatively recently dead	19-Aug-00
smooth pimpleback	***Quadrula houstonensis***				**1**		**relatively recently dead**	**19-Aug-00**
tapered pondhorn	*Uniomerus declivis*				1		long dead	19-Aug-00
Tampico pearlymussel	*Cyrtonaias tampicoensis*				1		very long dead	28-Jun-03
fragile papershell	*Leptodea fragilis*		1		1		Relatively recently to very long dead	28-Jun-03
Pistolgrip	*Tritogonia verrucosa*		3				recently to long dead	28-Jun-03
paper pondshell	*Utterbackia imbecillis*	1	4	3			recently dead	10-Jun-06
bleufer	*Potamilus purpuratus*		1	1			recently dead	12-Aug-06

giant floater	*Pyganodon grandis*	10	50	2	50	1	recently to long dead	12-Aug-06
paper pondshell	*Utterbackia imbecillis*		1	1			long dead	12-Aug-06
paper pondshell	*Utterbackia imbecillis*				4	4	recently dead	30-Sep-06
giant floater	*Pyganodon grandis*		1	1			recently dead	30-Sep-06
fragile papershell	*Leptodea fragilis*		1	1			relatively-recently dead	24-Nov-06
giant floater	*Pyganodon grandis*		1	1			long dead	24-Nov-06
yellow sandshell	*Lampsilis teres*		1	1			recently dead	28-Dec-06
giant floater	*Pyganodon grandis*		12	0			not given	27-Jan-07

paper pondshell	*Utterbackia imbecillis*		4	4			relatively-recently to long dead	27-Jan-07
yellow sandshell	*Lampsilis teres*		1	1	1	1	relatively-recently dead	27-Jan-07
southern mapleleaf	*Quadrula apiculata*		2	2			recently - relatively-recently dead	27-Jan-07
yellow sandshell	*Lampsilis teres*		1	1			long dead	27-Jan-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*				1	1	very-long dead	27-Jan-07
giant floater	*Pyganodon grandis*		12	12			not given	27-Jan-07
bleufer	*Potamilus purpuratus*		1	1			relatively-recently dead	27-Jan-07
yellow sandshell	*Lampsilis teres*		1	1			recently dead	27-Jan-07
yellow sandshell	*Lampsilis teres*		6	6	0	0	recently to very-long dead	4-Feb-07
bleufer	*Potamilus purpuratus*		3	3	0	0	relatively-recently to very-long dead	4-Feb-07
southern mapleleaf	*Quadrula apiculata*		1	1	0	0	relatively-recently dead	4-Feb-07

smooth pimpleback	*Quadrula houstonensis*		4	4	0	0	recently to relatively-recently dead	4-Feb-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*		1	1	0	0	very-long dead	4-Feb-07
yellow sandshell	*Lampsilis teres*		5	5	0	0	recently to long dead	4-Feb-07
bleufer	*Potamilus purpuratus*		2	2	0	0	relatively-recently to long dead	4-Feb-07
giant floater	*Pyganodon grandis*		54	0	57	0	recently to long dead	18-Feb-07
paper pondshell	*Utterbackia imbecillis*		20	8	1	0	recently to long dead	18-Feb-07
giant floater	*Pyganodon grandis*		59	1	36	0	recently to long dead	18-Feb-07
paper pondshell	*Utterbackia imbecillis*		30	0	0	0	recently to long dead	18-Feb-07
yellow sandshell	*Lampsilis teres*				1	0	recently to long dead	18-Feb-07
bleufer	*Potamilus purpuratus*		1	0	1	0	recently to long dead	18-Feb-07
southern mapleleaf	*Quadrula apiculata*		2	2			recently to relatively-recently dead	18-Feb-07
bleufer	*Potamilus purpuratus*		2	2	3	3	relatively-recently to long dead	18-Feb-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*		1	1	1	1	relatively-recently to long dead	18-Feb-07

southern mapleleaf	*Quadrula apiculata*		30	30	44	44	recently to very-long dead	18-Feb-07
paper pondshell	*Utterbackia imbecillis*		1	1			long dead	18-Feb-07
smooth pimpleback	*Quadrula houstonensis*		4	4	1	1	relatively-recently to very-long dead	18-Feb-07
giant floater	*Pyganodon grandis*		5	5			relatively-recently to very-long dead	18-Feb-07
pink papershell	*Potamilus ohiensis*		1	1	1	1	very-long dead	18-Feb-07
yellow sandshell	*Lampsilis teres*		37	37	11	11	recently to very-long dead	18-Feb-07
southern mapleleaf	*Quadrula apiculata*		23	2	3	0	recently to very-long dead	4-Mar-07
yellow sandshell	*Lampsilis teres*		15	0	4	0	recently to very-long dead	4-Mar-07
paper pondshell	*Utterbackia imbecillis*		34	0	0	0	recently to very-long dead	4-Mar-07
giant floater	*Pyganodon grandis*		15	2	8	0	recently to very-long dead	4-Mar-07
smooth pimpleback	*Quadrula houstonensis*		4	3	2	0	recently to very-long dead	4-Mar-07
bleufer	*Potamilus purpuratus*		2	2			relatively-recently dead	4-Mar-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*				2	1	long dead	4-Mar-07
giant floater	*Pyganodon grandis*		7	0	2	0	recently to very-long dead	10-Mar-07

southern mapleleaf	*Quadrula apiculata*		12	4	18	2	recently to very-long dead	10-Mar-07
yellow sandshell	*Lampsilis teres*		20	0	0	0	recently to very-long dead	10-Mar-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*		2	2			recently to relatively-recently dead	10-Mar-07
bleufer	*Potamilus purpuratus*		1	1	3	3	relatively-recently to very-long dead	10-Mar-07
Tampico pearlymussel	*Cyrtonaisis tampicoensis*	16	4		7		long dead	26-May-00
pink papershell	*Potamilus ohiensis*		7		1		recently dead to long dead	26-May-00
Texas fawnsfoot	***Truncilla macrodon***		**1**		**1**		**recently dead**	**26-May-00**
southern mapleleaf	*Quadrula apiculata*				1	1	subfossil	23-Jul-07
Tampico pearlymussel	*Cyrtonaias tampicoensis*				1	1	long dead	23-Jul-07
pink papershell	*Potamilus ohiensis*				1	1	long dead	23-Jul-07
yellow sandshell	*Lampsilis teres*		1		1		recently to relatively recently dead	3-Apr-04
giant floater	*Pyganodon grandis*				1		relatively recently dead	3-Apr-04
paper pondshell	*Utterbackia imbecillis*		2		1		relatively recently dead	3-Apr-04
paper pondshell	*Utterbackia imbecillis*		1				recently dead	19-May-01
washboard	*Megalonaias nervosa*				2		long to subfossil	19-May-01

Monitoring Location	County	Drainage Basin	GPS/UTM	Hand
Brazos River at Hwy 174 (Kimble Bend Park)	Bosque	Brazos	N32 07.39 W97 29.63	X
Brazos River at Hwy 174 (Kimble Bend Park)	Bosque	Brazos	N32 07.39 W97 29.63	X
Brazos River at Hwy 174 (Kimble Bend Park)	Bosque	Brazos	N32 07.39 W97 29.63	X
Brazos River at Hwy 174 (Kimble Bend Park)	Bosque	Brazos	N32 07.39 W97 29.63	X
Lake Whitney, Lofer's Bend Park, northeast of dam	Bosque	Brazos		X
Lake Whitney, SCUBA Park	Bosque	Brazos		X
Sandy Beach, Pecan Plantation, Brazos River	Hood	Brazos		X
Sandy Beach, Pecan Plantation, Brazos River	Hood	Brazos		X
Sandy Beach, Pecan Plantation, Brazos River	**Hood**	**Brazos**		**X**
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X

Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	**Hood**	**Brazos**	**N32degrees 20.357' and W97degrees 40.284'**	**X**
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	Hood	Brazos	N32degrees 20.357' and W97degrees 40.284'	X
Sandy Beach Park at Pecan Plantation - near Granbury	**Hood**	**Brazos**	**N32degrees 20.357' and W97degrees 40.284'**	**X**
Sandy Beach Park, Pecan Plantation, Brazos River	Hood	Brazos	32.34015N 97.67039W	X
Sandy Beach Park, Pecan Plantation, Brazos River	**Hood**	**Brazos**	**32.34015N 97.67039W**	**X**
Sandy Beach Park, Pecan Plantation, Brazos River	Hood	Brazos	32.34015N 97.67039W	X

Sandy Beach Park, Pecan Plantation, Brazos River	Hood	Brazos	32.34015N 97.67039W	X
Sandy Beach Park, Pecan Plantation, Brazos River	Hood	Brazos	32.34015N 97.67039W	X
Sandy Beach Park, Pecan Plantation, Brazos River	Hood	Brazos	32.34015N 97.67039W	X
Squaw Creek Reservoir, Squaw Creek Park, 2300 Coats Road	Hood and Somervell	Brazos		X
Lake Waco, Speegileville Park III	McLennan	Brazos	N31 32' 18" W97 14' 15" to N31 31' 35" W97 14' 49"	X
Lake Waco, Speegileville Park III	McLennan	Brazos	N31 32' 18" W97 14' 15" to N31 31' 35" W97 14' 49"	X
Lake Waco, Speegileville Park III	McLennan	Brazos	N31 32' 18" W97 14' 15" to N31 31' 35" W97 14' 49"	X
Tradinghouse Creek Reservoir	McLennan	Brazos	31.340702N 96.571298W	X
Tradinghouse Creek Reservoir	McLennan	Brazos	31.340702N 96.571298W	X
North Bosque River at Del Mar Ranch Crossing	McLennan	Brazos	31.383590N 97.22781W	X
Tehuacana Creek upstream of FM 2491	McLennan	Brazos		X
Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X
Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X
Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X

Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X
Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X
Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X
Tehuacana Creek upstream of confluence with Kirkland Branch	McLennan	Brazos		X
Tehuacana Creek upstream of Old Mexia Rd	McLennan	Brazos		X
Tehuacana Creek upstream of Old Mexia Rd	McLennan	Brazos		X
Tehuacana Creek upstream of Old Mexia Rd	McLennan	Brazos		X
Tehuacana Creek at Hwy 6	McLennan	Brazos		X
Tehuacana Creek upstream of FM 2491	McLennan	Brazos		X
Tehuacana Creek upstream of FM 2491	McLennan	Brazos		X
Tehuacana Creek upstream of FM 2491	McLennan	Brazos		X
Tehuacana Creek upstream of FM 2491	McLennan	Brazos		X
Tehuacana Creek upstream of FM 2491	McLennan	Brazos		X
Tehuacana Creek upstream of Old Mexia Rd	McLennan	Brazos		X
Tehuacana Creek upstream of Old Mexia Rd	McLennan	Brazos		X
Lake Waco - Lacy Pt old cul de sac	McLennan	Brazos	N31.34.198 W97.14.214	X
Lake Waco - Lacy Pt old cul de sac	McLennan	Brazos	N31.34.198 W97.14.214	X
Lake Waco - Lacy Pt old cul de sac	McLennan	Brazos	N31.34.198 W97.14.214	X

Lake Waco - Lacy Pt old cul de sac	McLennan	Brazos	N31.34.198 W97.14.214	X
Lake Waco - Lacy Pt beyond eagle nest	McLennan	Brazos	N31.35.056 W97.14.400	X
Lake Waco - Lacy Pt beyond eagle nest	McLennan	Brazos	N31.35.056 W97.14.400	X
Lake Waco	McLennon	Brazos		
Lake Waco	McLennon	Brazos		
Lake Waco	McLennon	Brazos		
Lake Waco	McLennon	Brazos		
Lake Waco	McLennon	Brazos		
Lake Waco	**McLennon**	**Brazos**		
Lake Waco	McLennon	Brazos		
Brazos River at Sows Lane, owned by Shows, down river from Lake Whitney	McLennon	Brazos		X
Brazos River at Sows Lane, owned by Shows, down river from Lake Whitney	McLennon	Brazos		X
Brazos River at Sows Lane, owned by Shows, down river from Lake Whitney	McLennon	Brazos		X
Waco Wetlands Site #1 - Waco, TX	McLennon	Brazos		X
Lake Waco Wetlands	McLennon	Brazos	31 36'35.87"N 97 18'28.34"W	X

Lake Waco Wetlands	McLennon	Brazos	31 36'35.87"N 97 18'28.34"W	X
Lake Waco Wetlands	McLennon	Brazos	31 36'35.87"N 97 18'28.34"W	X
Lake Waco Wetlands	McLennon	Brazos		X
Lake Waco Wetlands	McLennon	Brazos		X
Intake site for Lake Waco Wetlands on North Bosque River	McLennon	Brazos	N31 36' 57.36" - W97 18' 25.55"	X
Intake site for Lake Waco Wetlands on North Bosque River	McLennon	Brazos	N31 36' 57.36" - W97 18' 25.55"	X
Lake Waco Wetlands - constructed wetlands on Corps of Engineer property at Lake Waco (North Bosque River)	McLennon	Brazos	N31 36' 35.87" - W97 18' 28.34"	X
Lake Waco at Pt 1 on map (North Bosque River)	McLennon	Brazos	N31 33 41.1 - W97 14 416	X

Lake Waco at Pt 1 on map (North Bosque River)	McLennon	Brazos	N31 33 41.1 - W97 14 416	X
Lake Waco at Pt 1 on map (North Bosque River)	McLennon	Brazos	N31 33 41.1 - W97 14 416	X
Lake Waco at Pt 2 on map (North Bosque River)	McLennon	Brazos	N31 33 39.8 W97 14 42.3	X
Lake Waco at Pt 2 on map (North Bosque River)	McLennon	Brazos	N31 33 39.8 W97 14 42.3	X
Lake Waco at Pt 2 on map (North Bosque River)	McLennon	Brazos	N31 33 39.8 W97 14 42.3	X
Lake Waco at Pt 5 on map (North Bosque River)	McLennon	Brazos	N31 33 24.6 W97 14 49.3	X
Lake Waco at Pt 5 on map (North Bosque River)	McLennon	Brazos	N31 33 24.6 W97 14 49.3	X
Lake Waco at Pt 7 on map (North Bosque River)	McLennon	Brazos	N31 33 29.1 W97 14 48.6	X
Lake Waco between near spot 009 and spot 016 on map	McLennon	Brazos	N31 33 24.4 - W97 14 14.2	X
Lake Waco between near spot 009 and spot 016 on map	McLennon	Brazos	N31 33 24.4 - W97 14 14.2	X
Lake Waco between near spot 009 and spot 016 on map	McLennon	Brazos	N31 33 24.4 - W97 14 14.2	X

Lake Waco near spot 012 on map	McLennon	Brazos	N31 33 24.2 - W97 14 10.10	X
Lake Waco near spot 014 on map	McLennon	Brazos	N31 33 26.8 - W97 14 15.4	X
Lake Waco near spot 014 on map	McLennon	Brazos	N31 33 31.1 - W97 14 18.2	X
Lake Waco near spot 014 on map	McLennon	Brazos	N31 33 31.1 - W97 14 18.2	X
Lake Waco near Pt 019 on map	McLennon	Brazos	N31 36 32.2 - W97 16 11.8	X
Lake Waco near Pt 019 on map	McLennon	Brazos	N31 36 32.2 - W97 16 11.8	X
Lake Waco near Pt 020 on map	McLennon	Brazos	N31 36 18.2 - W97 16 09.4	X
Lake Waco near Pt 020 on map	McLennon	Brazos	N31 36 18.2 - W97 16 09.4	X
Lake Waco near Pt 020 on map	McLennon	Brazos	N31 36 18.2 - W97 16 09.4	X
Lake Waco near Pt 020 on map	McLennon	Brazos	N31 36 18.2 - W97 16 09.4	X
Lake Waco near Pt 020 on map	McLennon	Brazos	N31 36 18.2 - W97 16 09.4	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X

Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco near Pt 021 on map	McLennon	Brazos	N31 36 05.2 W97 15 47.8	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 33 32.8-W97 14 22.5 and N31 33 27.3 - W97 14 35.4	McLennon	Brazos	N31 33 32.8-W97 14 22.5	X
Lake Waco between N31 36 05.1 - W97 14 43.5 and N31 36 05.4 - W97 15 39.7	McLennon	Brazos	N31 36 05.1 - W97 15 43.5	X

Lake Waco between N31 36 05.1 - W97 14 43.5 and N31 36 05.4 - W97 15 39.7	McLennon	Brazos	N31 36 05.1 - W97 15 43.5	X
Lake Waco between N31 36 05.1 - W97 14 43.5 and N31 36 05.4 - W97 15 39.7	McLennon	Brazos	N31 36 05.1 - W97 15 43.5	X
Lake Waco between N31 36 05.1 - W97 14 43.5 and N31 36 05.4 - W97 15 39.7	McLennon	Brazos	N31 36 05.1 - W97 15 43.5	X
Lake Waco between N31 36 05.1 - W97 14 43.5 and N31 36 05.4 - W97 15 39.7	McLennon	Brazos	N31 36 05.1 - W97 15 43.5	X
1-19 miles below Possum Kingdom Dam	Palo Pinto	Brazos		
1-19 miles below Possum Kingdom Dam	Palo Pinto	Brazos		
1-19 miles below Possum Kingdom Dam	**Palo Pinto**	**Brazos**		
Possum Kingdom Lake	Palo Pinto	Brazos		X
Possum Kingdom Lake	Palo Pinto	Brazos		X
Possum Kingdom Lake	Palo Pinto	Brazos		X
Brazos River, by Tres Rios Campground	Somervell	Brazos		X
Brazos River, by Tres Rios Campground	Somervell	Brazos		X
Brazos River, by Tres Rios Campground	Somervell	Brazos		X
Paluxy River, Dinosaur Valley S.P.	Somerville	Brazos		X
Paluxy River, Dinosaur Valley S.P.	Somerville	Brazos		X

Snorkel	Scuba	Random shoreline search	Random shallow water search	Timed search (time____)	Area____(m or ft)	0.25-m^2 (2.7 ft^2) quadrat	10-m^2 (107.6 ft^2) quadrat	6.1-m (20 ft) transect	40-m (131.2 ft) transect
		X							
		X							
		X							
		X							
	X	X	X						
	X	X	X						
		X	X						
		X	X						
		X	**X**						
		X	X						
		X	X						
		X	X						

		X	X						
		X	X						
		X	**X**						
		X	X						
		X	X						
		X	X						
		X	X						
		X	X						
		X	**X**						
		X							
		X							
		X							

		X							
		X							
		X							
		X	X						
		X							
		X							
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		X							
		X							
		X							

		X							
		X							
		X							
		X	X						
		X	X						
		X	X						
		X	X						
		X	X						
		X	**X**						
		X	X						
		X	X						
		X	X						
		X	X						
		X	X						
		X	X		20 to 40 acres				

		X	X		20 to 40 acres				
		X	X		20 to 40 acres				
		X	X		75 ft				
		X	X		75 ft				
		X			100 ft				
		X			100 ft				
		X			25 sq ft				
		X							

		X							
		X							
		X							
		X							
		X							
		X							
		X							
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		X							
		X							
		X							
		X							
		X	X						
		X	X						
		X	**X**						
		X	X						
		X	X						
		X	X						
		X							
		X							
		X							
X		X	X						
X		X	X						

comments	*Corbicula* - yes	Corbicula - no	Water Depth
Much garbage, fish parts, buzzards.			<m
Much garbage, fish parts, buzzards.			<m
Much garbage, fish parts, buzzards.			<m
Much garbage, fish parts, buzzards.			<m
A volunteer using SCUBA to examine waters to depths of 6.0 to 12.2 m at two sites at Lofer's Bend Park northeast of the dam found these species. Asian clams present	X		
Volunteers using SCUBA examined areas at depths of 3.0-11m at SCUBA Park found these species. Asian clams - shells abundant.	X		
Water high from recent rains, too deep and turbid to search usual streambed, many Asian clams from live to long dead.	X		1.5 ft
Water high from recent rains, too deep and turbid to search usual streambed, many Asian clams from live to long dead.	X		1.5 ft
Water high from recent rains, too deep and turbid to search usual streambed, many Asian clams from live to long dead.	**X**		**1.5 ft**
Asian clams present	X		2 feet
Asian clams present	X		2 feet
Asian clams present	X		2 feet

Asian clams present	X		2 feet
Asian clams present	X		2 feet
Asian clams present	**X**		**2 feet**
Asian clams present	X		1 meter
Asian clams present	X		1 meter
Asian clams present	X		1 meter
Asian clams present	X		1 meter
Asian clams present	X		1 meter
Marsha Reimer kept 4 valves for identification. Asian clams present	**X**		**1 meter**

Volunteers using SCUBA examined depths of 3.0-12.7m and reported the following specimens. Asian clams abundant.	X		
Asian clam - abundant	X		
Asian clam - abundant	X		
Asian clam - abundant	X		
Walking shoreline at Tradinghouse Creek Reservoir, much of which is not open to the public because of the power plant that sits on its shore. Both area walked are with secured area of power plant. Permission was obtained to enter to do Christmas Bird Count. Along shoreline at point 1, saw many Asians. Collect one yellow sandshell valve and a Tampico pearlymussel. Point 2 was in a picnic area used by power plant employees. Saw few Asians in this area.	X		
Walking shoreline at Tradinghouse Creek Reservoir, much of which is not open to the public because of the power plant that sits on its shore. Both area walked are with secured area of power plant. Permission was obtained to enter to do Christmas Bird Count. Along shoreline at point 1, saw many Asians. Collect one yellow sandshell valve and a Tampico pearlymussel. Point 2 was in a picnic area used by power plant employees. Saw few Asians in this area.	X		
	X		less than 2 ft
At fish kill site			
Musseled as we walked downstream during sampling. Water had sulfur odor.			
Musseled as we walked downstream during sampling. Water had sulfur odor.			
Musseled as we walked downstream during sampling. Water had sulfur odor.			

Musseled as we walked downstream during sampling. Water had sulfur odor.			
Musseled as we walked downstream during sampling. Water had sulfur odor.			
Musseled as we walked downstream during sampling. Water had sulfur odor.			
Musseled as we walked downstream during sampling. Water had sulfur odor.			
Collected during habitat surveys			
Collected during habitat surveys			
Collected during habitat surveys			
Found while deploying data sondes. Surface algae.			
Foam from dead fish. Water brown to clear.			
Foam from dead fish. Water brown to clear.			
Foam from dead fish. Water brown to clear.			
Foam from dead fish. Water brown to clear.			
Foam from dead fish. Water brown to clear.			
I hiked down a former cul de sac loop to beach on Lake Waco, where I collected several mussels	X		
I hiked down a former cul de sac loop to beach on Lake Waco, where I collected several mussels	X		
I hiked down a former cul de sac loop to beach on Lake Waco, where I collected several mussels	X		

I hiked down a former cul de sac loop to beach on Lake Waco, where I collected several mussels	X		
I hiked to spot beyond the eagle's nest, where I collected a few mussels.	X		
I hiked to spot beyond the eagle's nest, where I collected a few mussels.	X		
	X		0-1
	X		0-1
	X		0-1
	X		0-1
	X		0-1
	X		**0-1**
	X		0-1
Observed only Helicopsychidae (caddis fly) on rocks, when looking for benthics, no other organisms. *Corbicula* species everywhere. Melissa Mullins observed 2 live pistolgrips at this site on 6/24/03.	X		0.25 to 1 m
Observed only Helicopsychidae (caddis fly) on rocks, when looking for benthics, no other organisms. *Corbicula* species everywhere. Melissa Mullins observed 2 live pistolgrips at this site on 6/24/03.	X		0.25 to 1 m
Observed only Helicopsychidae (caddis fly) on rocks, when looking for benthics, no other organisms. *Corbicula* species everywhere. Melissa Mullins observed 2 live pistolgrips at this site on 6/24/03.	X		0.25 to 1 m
Asian clams present	X		0.5 meters
Saw numerous other giant floaters in the infall basin of varying sizes some long dead and some still dying. Infall basin is the North Bosque River. Because of turbidity issues, pumps from Bosque were turned off and wetlands was allowed to dry. Nora Schell and I walked the infall Basin Island area and nursery to look for evidence of mussels.	X		puddles - less than 1 ft

Saw numerous other giant floaters in the infall basin of varying sizes some long dead and some still dying. Infall basin is the North Bosque River. Because of turbidity issues, pumps from Bosque were turned off and wetlands was allowed to dry. Nora Schell and I walked the infall Basin Island area and nursery to look for evidence of mussels.	X		puddles - less than 1 ft
Saw numerous other giant floaters in the infall basin of varying sizes some long dead and some still dying. Infall basin is the North Bosque River. Because of turbidity issues, pumps from Bosque were turned off and wetlands was allowed to dry. Nora Schell and I walked the infall Basin Island area and nursery to look for evidence of mussels.	X		puddles - less than 1 ft
Prior reort 8/12/06 - wetlands had been drained. Although some water has been pumped into wetlands, problems with low water inriver have limited pumping. There was some water in the infall Basin and portions of Channel 1. Channel 1 was the area searched on 9/30/06	X		
Prior reort 8/12/06 - wetlands had been drained. Although some water has been pumped into wetlands, problems with low water inriver have limited pumping. There was some water in the infall Basin and portions of Channel 1. Channel 1 was the area searched on 9/30/06	X		
With lower water in river because of drought, walked along river bank of North Bosque near the intake for the Lake Waco Wetlands. Was only looking for valves exposed on river bank.	X		
With lower water in river because of drought, walked along river bank of North Bosque near the intake for the Lake Waco Wetlands. Was only looking for valves exposed on river bank.	X		
Infall basin is dry except for a couple of large puddles because of drought. While at Wetlands, decided to walk through Infall Basin. Prior report on infall basin on 8/12/2006. This specimen was not present in August 2006. I suspect the mussel shell ended up at this spot within the last month.			
Walked a couple of areas near Lacy Point - relatively close together. Lake elevation at 451.75 msl.			

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Walked a couple of areas near Lacy Point - relatively close together. Lake elevation at 451.75 msl.	X		
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Walked a couple of areas near Lacy Point - relatively close together. Lake elevation at 451.75 msl.			
Walking exposed shoreline west of Lake Waco Marina	X		
Walking exposed shoreline west of Lake Waco Marina	X		
Walking exposed shoreline west of Lake Waco Marina	X		

Walking exposed shoreline west of Lake Waco Marina	X		
buried in mud. Walking exposed shoreline west of Lake Waco Marina	X		
Walking exposed shoreline west of Lake Waco Marina	X		
Walking exposed shoreline west of Lake Waco Marina	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
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Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		

Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Started at Flatrock access (Pts 19 and 20 on map) off parking lot at boat launch. Collected, counted, and then left mussels. Then hiked to second area to east (Pt 21) to search beach area.	X		
Picked up walk of exposed shoreline where left off on 2/4/07.			
Picked up walk of exposed shoreline where left off on 2/4/07.			
Picked up walk of exposed shoreline where left off on 2/4/07.			
Picked up walk of exposed shoreline where left off on 2/4/07.			
Picked up walk of exposed shoreline where left off on 2/4/07.			
Picked up walk of exposed shoreline where left off on 2/4/07.			
Picked up walk of exposed shoreline where left off on 2/4/07.			
Returned to Flat Rock access area near Pt 21 where Karen found unusual mussel with exterior like southern mapleleaf, but has pinkish or purple cast to interior (was southern mapleleaf - mm) Found no similar specimen.			

Returned to Flat Rock access area near Pt 21 where Karen found unusual mussel with exterior like southern mapleleaf, but has pinkish or purple cast to interior (was southern mapleleaf - mm) Found no similar specimen.			
Returned to Flat Rock access area near Pt 21 where Karen found unusual mussel with exterior like southern mapleleaf, but has pinkish or purple cast to interior (was southern mapleleaf - mm) Found no similar specimen.			
Returned to Flat Rock access area near Pt 21 where Karen found unusual mussel with exterior like southern mapleleaf, but has pinkish or purple cast to interior (was southern mapleleaf - mm) Found no similar specimen.			
Returned to Flat Rock access area near Pt 21 where Karen found unusual mussel with exterior like southern mapleleaf, but has pinkish or purple cast to interior (was southern mapleleaf - mm) Found no similar specimen.			
	X		0.5
	X		0.5
	X		**0.5**
Just a casual collection. There were actually more that I didn't collect because they looked like "duplicates". Also, I found a fragment that looks like it was from a mapleleaf.	X		2 ft
Just a casual collection. There were actually more that I didn't collect because they looked like "duplicates". Also, I found a fragment that looks like it was from a mapleleaf.	X		2 ft
Just a casual collection. There were actually more that I didn't collect because they looked like "duplicates". Also, I found a fragment that looks like it was from a mapleleaf.	X		2 ft
	X		
	X		

Water Temperature	Flow Rate	Water Color	Water Clarity	Water Surface	Substrate	Land Use
					7 (mud and sand)	
					7 (mud and sand)	
					7 (mud and sand)	
					7 (mud and sand)	
80 degrees F	3	4	2	1	7 (2 and 4)	Suburba residences, recreation area - river front park in subdivision, rangeland on opposite side of river
80 degrees F	3	4	2	1	7 (2 and 4)	Suburba residences, recreation area - river front park in subdivision, rangeland on opposite side of river
80 degrees F	**3**	**4**	**2**	**1**	**7 (2 and 4)**	**Suburba residences, recreation area - river front park in subdivision, rangeland on opposite side of river**
56 degrees F	2	6	1	1	4	Undisturbed natural area, Surburban residences, recreation area - riverside park with playground
56 degrees F	2	6	1	1	4	Undisturbed natural area, Surburban residences, recreation area - riverside park with playground
56 degrees F	2	6	1	1	4	Undisturbed natural area, Surburban residences, recreation area - riverside park with playground

56 degrees F	2	6	1	1	4	Undisturbed natural area, Surburban residences, recreation area - riverside park with playground
56 degrees F	2	6	1	1	4	Undisturbed natural area, Surburban residences, recreation area - riverside park with playground
56 degrees F	**2**	**6**	**1**	**1**	**4**	**Undisturbed natural area, Surburban residences, recreation area - riverside park with playground**
74 degrees F	3	1	1	1	7 (mostly gravel and cobble)	Recreation area - public park and Rangeland for cattle.
74 degrees F	3	1	1	1	7 (mostly gravel and cobble)	Recreation area - public park and Rangeland for cattle.
74 degrees F	3	1	1	1	7 (mostly gravel and cobble)	Recreation area - public park and Rangeland for cattle.
74 degrees F	3	1	1	1	7 (mostly gravel and cobble)	Recreation area - public park and Rangeland for cattle.
74 degrees F	3	1	1	1	7 (mostly gravel and cobble)	Recreation area - public park and Rangeland for cattle.
74 degrees F	**3**	**1**	**1**	**1**	**7 (mostly gravel and cobble)**	**Recreation area - public park and Rangeland for cattle.**
66 degrees F	2	2	1	1	4	Undisturbed natural area, Suburban residences, Recreation area
66 degrees F	**2**	**2**	**1**	**1**	**4**	**Undisturbed natural area, Suburban residences, Recreation area**
66 degrees F	2	2	1	1	4	Undisturbed natural area, Suburban residences, Recreation area

66 degrees F	2	2	1	1	4	Undisturbed natural area, Suburban residences, Recreation area
66 degrees F	2	2	1	1	4	Undisturbed natural area, Suburban residences, Recreation area
66 degrees F	2	2	1	1	4	Undisturbed natural area, Suburban residences, Recreation area
	1	1	1	1		Industry/Manufacturing (areas walked in are within secure part of power plant)
	1	1	1	1		Industry/Manufacturing (areas walked in are within secure part of power plant)
	3	1	1	1	7 (silt, gravel and cobble)	Rangeland (pasture) for cattle
	1	6				
	1	6				
	1	6				

	1	6				
	1	6				
	1	6				
	1	6				
	2	6				
	2	6				
	2	6				
	2					
	2					
	2					
	2					
	2					
	2					
	2	6				
	2	6				
	1	1	1	1	7(mostly sand, gravel)	Recreation area (Corps of Engineers park area), Cropland (within short distance is Corps land under cultivation)
	1	1	1	1	7(mostly sand, gravel)	Recreation area (Corps of Engineers park area), Cropland (within short distance is Corps land under cultivation)
	1	1	1	1	7(mostly sand, gravel)	Recreation area (Corps of Engineers park area), Cropland (within short distance is Corps land under cultivation)

	1	1	1	1	7(mostly sand, gravel)	Recreation area (Corps of Engineers park area), Cropland (within short distance is Corps land under cultivation)
	1	1	1	1	7(mostly sand, gravel)	Recreation area (Corps of Engineers park area), Cropland (within short distance is Corps land under cultivation)
	1	1	1	1	7(mostly sand, gravel)	Recreation area (Corps of Engineers park area), Cropland (within short distance is Corps land under cultivation)
					mud	
					mud	
					mud	
					mud	
					mud	
					mud	
					mud	
~ 82 degrees F	3	6	1	1	7 (mostly silt to gravel)	Rural residences
~ 82 degrees F	3	6	1	1	7 (mostly silt to gravel)	Rural residences
~ 82 degrees F	3	6	1	1	7 (mostly silt to gravel)	Rural residences
	1	1	1	1	2	Other - constructed wetland
	1	2	2	2	7 (soil with high clay contant)	Rural residences, Recreation area (North Bosque River and Lake Waco), and rangeland for cattle.

	1	2	2	2	7 (soil with high clay contant)	Rural residences, Recreation area (North Bosque River and Lake Waco), and rangeland for cattle.
	1	2	2	2	7 (soil with high clay contant)	Rural residences, Recreation area (North Bosque River and Lake Waco), and rangeland for cattle.
	1	4	2	1	7 (soil with high clay content)	Rural residences, Recreation area (North Bosque River and Lake Waco), Rangeland for cattle
	1	4	2	1	7 (soil with high clay content)	Rural residences, Recreation area (North Bosque River and Lake Waco), Rangeland for cattle
	2	6	2		7 (gravel, sand, and silt)	Recreation area (One Bank Lake Waco Wetlands and other Corps of Engineers property).
	2	6	2		7 (gravel, sand, and silt)	Recreation area (One Bank Lake Waco Wetlands and other Corps of Engineers property).
	1	6	2	4	7 (clay)	Rural residences, Recreation area (North Bosque River and Lake Waco), Rangeland for cattle
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)

		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		7 (silt, mud, gravel, and cobble)	Recreation area (Corps of Engineers park near Lacy Point)
		6	2		2	Recreation area (Corp of Engineers near new campground and Lake Waco Marina)
		6	2		2	Recreation area (Corp of Engineers near new campground and Lake Waco Marina)
		6	2		2	Recreation area (Corp of Engineers near new campground and Lake Waco Marina)

		6	2		2	Recreation area (Corp of Engineers near new campground and Lake Waco Marina)
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		6	2		2	Recreation area (Corp of Engineers near new campground and Lake Waco Marina)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
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		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt, sand, gravel, cobble)	Recreation area (Corp of Engineers Park)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (silt and gravel)	Recreation area (Corp of Engineers Park with campground)
		6	2		7 (cobble, gravel, mud, silt)	Recreation area (Corp of Engineers Park)

		6	2		7 (cobble, gravel, mud, silt)	Recreation area (Corp of Engineers Park)
		6	2		7 (cobble, gravel, mud, silt)	Recreation area (Corp of Engineers Park)
		6	2		7 (cobble, gravel, mud, silt)	Recreation area (Corp of Engineers Park)
		6	2		7 (cobble, gravel, mud, silt)	Recreation area (Corp of Engineers Park)
					sand/gravel	
					sand/gravel	
					sand/gravel	
	1	6	2	1	3	recreation
	1	6	2	1	3	recreation
	1	6	2	1	3	recreation
	2	1	1	1	3	Recreation area - campground
	2	1	1	1	3	Recreation area - campground
	2	1	1	1	3	Recreation area - campground

Notes

Audubon members obtained permission to enter secured area near power plant to conduct Christmas Bird Count. I was on count team. As we counted in a couple of the beach areas. I noted the mussels. I collected several specimen as shown on attached log.	
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Janet Wallace had visited this site several years earlier. The stream channel had moved to the right (as looking downstream). The former left channel was filled with sand. Long, free floating strains of blue green algae are frequently issue in Lake Waco. Nutrients, particularly phosphorous, contribute to the growth of the algae colonies.	

Lake was a little below normal elevation of 462 ft because of drought.	
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asian clams abund.; water level ca. 10' low	
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Nora Schell and Annette Jones walked through areas of the wetlands while the area was dried. The goal was to get an idea of the dispersal of mussels in the wetlands. However, in the island area only a couple of shells were found and in the nursery area only a couple were found. The ones found near the island and in the nursey were at least two plus inches in length. These shells could easily have been dropped by a bird or animal eating the mussel. With no smaller mussels present, it seems unlikely mussels are living in those areas. The infall basin contained too many shells to count with Asians being the most frequent.	

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While at wetlands for Public Land Day, Janet and I looked in Channel 1 for evidence of mussels. Although some water had been pumped into wetlands since cutting off pumps, in August 2006 low water in River at intake has limited pumping. Infall Basin has some water. Channel 1 had perhaps 6 to 12 inches of water standing in the center of the channel.	
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Since the river is quite low at the Wetlands intake, I walked along a portion of the exposed river bank looking for mussels. Only found a few that not Asians. That could reflect that animals have moved as eaten and that water is going down slowly enough that mussels can move to avoid being exposed.	
Since the river is quite low at the Wetlands intake, I walked along a portion of the exposed river bank looking for mussels. Only found a few that not Asians. That could reflect that animals have moved as eaten and that water is going down slowly enough that mussels can move to avoid being exposed.	
Since I was at Wetlands, I decided to take a look at the infall basin to see what water remains. I found the mussel lying on the dried ground in the basin. The previous mussel valves that I collected were different from this one, so I collected.	
First walk around Lake Waco to look for mussels. First walked near boat ramp near Lacy Point. Then down to where road once crossed lake and up creek (Davis Branch).	

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Picked up where stopped on 2/18/07, went back to area south of Flat Rock access point, near way point 21.	

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asian clams present	
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asian clams present	
The Paluxy River was a trickle in the summer of 1999 and completely dried for a few weeks except for blue hole in the summer of 2000.	
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Date	County	Waterbody name	Waterbody type	Location	Common name
8/27/1998	Bosque	Brazos River	river	S.H. 174 (Kimble Bend Park) upsream of Lake Whitney	Yellow sandshell
8/27/1998	Bosque	Brazos River	river	S.H. 174 (Kimble Bend Park) upsream of Lake Whitney	Fragile papershell
8/27/1998	Bosque	Brazos River	river	S.H. 174 (Kimble Bend Park) upsream of Lake Whitney	Pink papershell
8/27/1998	Bosque	Brazos River	river	S.H. 174 (Kimble Bend Park) upsream of Lake Whitney	Lilliput
7/10/1996	Hood	Brazos River	river	immediately downstream of Lake Granbury dam	Tampico pearlymussel
7/10/1996	Hood	Brazos River	river	immediately downstream of Lake Granbury dam	Yellow sandshell
8/15-8/17/1994	McClennan	Brazos River	river	just upstream of Waco (two sites)	Tampico pearlymussel
8/9-8/12/1994	McClennan	Brazos River	river	downstream of State Highway 340	Tampico pearlymussel
8/9-8/12/1994	McClennan	Brazos River	river	near sewage treatment plant at Waco	Tampico pearlymussel
8/9-8/12/1994	McClennan	Brazos River	river	downstream of low-water dam near Baylor	Tampico pearlymussel
8/9-8/12/1994	McClennan	Brazos River	river	near Marlin	Tampico pearlymussel
8/9-8/12/1994	McClennan	Brazos River	river	near Marlin	Tampico pearlymussel
8/9-8/12/1994	McClennan	Brazos River	river	downstream of State Highway 340	Yellow sandshell
8/9-8/12/1994	McClennan	Brazos River	river	near sewage treatment plant at Waco	Yellow sandshell
8/9-8/12/1994	McClennan	Brazos River	river	downstream of low-water dam near Baylor	Yellow sandshell
8/9-8/12/1994	McClennan	Brazos River	river	near sewage treatment plant at Waco	Fragile papershell
8/9-8/12/1994	McClennan	Brazos River	river	downstream of low-water dam near Baylor	Fragile papershell
8/9-8/12/1994	McClennan	Brazos River	river	near sewage treatment plant at Waco	Pink papershell
8/9-8/12/1994	McClennan	Brazos River	river	downstream of low-water dam near Baylor	Pink papershell
8/9-8/12/1994	McClennan	Brazos River	river	near Marlin	Pink papershell
8/9-8/12/1994	McClennan	Brazos River	river	downstream of State Highway 340	Bleufer
8/9-8/12/1994	McClennan	Brazos River	river	downstream of State Highway 340	Southern mapleleaf
8/9-8/12/1994	McClennan	Brazos River	river	near sewage treatment plant at Waco	Southern mapleleaf
8/9-8/12/1994	**McClennan**	**Brazos River**	**river**	**near sewage treatment plant at Waco**	**Smooth pimpleback**
8/9-8/12/1994	McClennan	Brazos River	river	downstream of low-water dam near Baylor	Pistolgrip
8/9-8/12/1994	McClennan	Brazos River	river	near Marlin	Pistolgrip
8/9-8/12/1994	**McClennan**	**Brazos River**	**river**	**downstream of State Highway 340**	**Texas fawnsfoot**
not reported	Parker	Brazos River	river	US 80 downstream of Possum Kingdom Reservoir	Tampico pearlymussel
7/9/1996	Parker	Brazos River	river	SH 1189 downstream of Possum Kingdom Reservoir	Tampico pearlymussel
not reported	Parker	Brazos River	river	US 80 downstream of Possum Kingdom Reservoir	Fragile papershell
7/9/1996	Parker	Brazos River	river	SH 1189 downstream of Possum Kingdom Reservoir	Fragile papershell
7/9/1996	Parker	Brazos River	river	SH 1189 downstream of Possum Kingdom Reservoir	Pink papershell
not reported	**Parker**	**Brazos River**	**river**	**US 80 downstream of Possum Kingdom Reservoir**	**Texas fawnsfoot**
7/2/1996	Somervell	Brazos River	river	USH 67	Tampico pearlymussel
7/10/1996	Somervell	Brazos River	river	USH 67	Tampico pearlymussel

7/2/1996	Somervell	Brazos River	river	USH 67	Fragile papershell
7/10/1996	Somervell	Brazos River	river	USH 67	Fragile papershell
7/2/1996	Somervell	Brazos River	river	USH 67	Pink papershell
7/2/1996	Somervell	Brazos River	river	USH 67	Southern mapleleaf
7/2/1996	**Somervell**	**Brazos River**	**river**	**USH 67**	**Texas fawnsfoot**
7/10/1996	**Somervell**	**Brazos River**	**river**	**USH 67**	**Texas fawnsfoot**

Latin name	Species Code	N live	N shells	N valves	Condition (VRD - very recently dead, RD - recently dead, RRD - relatively recently dead, LD - long dead, VLD - very long dead, S - subfossil)	Method	Page
Lampsilis teres		0	1	not reported	VRD	random shoreline search	12
Leptodea fragilis		0	1	not reported	RD	random shoreline search	12
Potamilus ohiensis		0	1	not reported	VRD	random shoreline search	12
Toxolasma parvus		0	1	not reported	RRD	random shoreline search	12
Cyrtonaias tampicoensis		0	0	1	S	wading and snorkeling	18
Lampsilis teres		0	1	not reported	VRD	wading and snorkeling	18
Cyrtonaias tampicoensis		not reported	1	not reported	LD	sand and gravel bar collections	23
Cyrtonaias tampicoensis		0	1	3	LD	sand and gravel bar collections	23
Cyrtonaias tampicoensis		0	0	2	LD	sand and gravel bar collections	23
Cyrtonaias tampicoensis		0	0	4	LD	sand and gravel bar collections	24
Cyrtonaias tampicoensis		0	1	not reported	RD	sand and gravel bar collections	24
Cyrtonaias tampicoensis		0	0.5	not reported	S	sand and gravel bar collections	24
Lampsilis teres		0	0.5	not reported	LD	sand and gravel bar collections	23
Lampsilis teres		0	0.5	not reported	S	sand and gravel bar collections	23
Lampsilis teres		0	2	not reported	LD	sand and gravel bar collections	24
Leptodea fragilis		0	1	not reported	RD	sand and gravel bar collections	23
Leptodea fragilis		0	1	not reported	LD	sand and gravel bar collections	24
Potamilus ohiensis		0	0.5	not reported	RD	sand and gravel bar collections	24
Potamilus ohiensis		0	1	not reported	LD	sand and gravel bar collections	24
Potamilus ohiensis		0	1	not reported	RD	sand and gravel bar collections	24
Potamilus purpuratus		0	0.5	not reported	RRD	sand and gravel bar collections	23
Quadrula apiculata		0	1	2	LD	sand and gravel bar collections	23
Quadrula apiculata		0	1	not reported	LD	sand and gravel bar collections	24
Quadrula houstonensis			**0.5**	**not reported**	**LD**	**sand and gravel bar collections**	**24**
Tritogonia verrucosa		0	0.5	not reported	LD	sand and gravel bar collections	24
Tritogonia verrucosa		0	0.5	not reported	S	sand and gravel bar collections	24
Truncilla macrodon		**0**	**0.5**	**not reported**	**LD**	**sand and gravel bar collections**	**23**
Cyrtonaias tampicoensis		4	0	not reported	not reported	wading and snorkeling	17
Cyrtonaias tampicoensis		0	0	1	RLD	wading and snorkeling	17
Leptodea fragilis		2	0	not reported	not reported	wading and snorkeling	17
Leptodea fragilis		1	1	not reported	RLD	wading and snorkeling	17
Potamilus ohiensis		0	1	not reported	RLD	wading and snorkeling	17
Truncilla macrodon		**2**	**0**	**not reported**	**not reported**	**wading and snorkeling**	**17**
Cyrtonaias tampicoensis		5	0	not reported	not reported	wading and snorkeling	18
Cyrtonaias tampicoensis		0	1	1	RLD	not reported	19

Leptodea fragilis	1	2	not reported	RD	wading and snorkeling	18
Leptodea fragilis	0	5	not reported	VRD-RLD	not reported	19
Potamilus ohiensis	0	5	not reported	RD	wading and snorkeling	18
Quadrula apiculata	1	0	not reported	not reported	wading and snorkeling	19
Truncilla macrodon	**0**	**3**	**not reported**	**RD**	**wading and snorkeling**	**19**
Truncilla macrodon	**0**	**1**	**1**	**RRD**	**not reported**	**19**

Citation
Howells, R.G. 1999. Distributional surveys of freshwater bivalves in Texas: progress report for 1998. Texas Parks and Wildlife Department, Management Data Series 161, Austin.
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	Common name	Latin name
1	Bankclimber	*Plectomerus dombeyanus*
2	Bleufer	*Potamilus purpuratus*
3	Deertoe	*Truncilla truncata*
4	False spike	*Quincuncina mitchelli*
5	Fawnsfoot	*Truncilla donaciformis*
6	Flat floater	*Anodonta suborbiculata*
7	Fragile papershell	*Leptodea fragilis*
8	Giant floater	*Pyganodon grandis*
9	Golden orb	*Quadrula aurea*
10	Gulf mapleleaf	*Quadrula nobilis*
11	Lilliput	*Toxolasma parvus*
12	Little spectaclecase	*Villosa lienosa*
13	Louisiana fatmucket	*Lampsilis hydiana*
14	Louisiana pigtoe	*Pleurobema riddelli*
15	Mapleleaf	*Quadrula quadrula*
16	Mexican fawnsfoot	*Truncilla cognata*
17	Ouachita rock-pocketbook	*Arkansia wheeleri*
18	Paper pondshell	*Utterbackia imbecillis*
19	Pimpleback	*Quadrula pustulosa*
20	Pink papershell	*Potamilus ohiensis*
21	Pistolgrip	*Tritogonia verrucosa*
22	Plain pocketbook	*Lampsilis cardium*
23	Pond mussel	*Ligumia subrostrata*
24	Pondhorn	*Uniomerus tetralasmus*
25	Rio Grande Monkeyface	*Quadrula couchiana*
26	Rock-pocketbook	*Arcidens confragosus*
27	Round pearlshell	*Glebula rotundata*
28	Salina mucket	*Potamilus salinasensis*
29	Sandbank pocketbook	*Lampsilis satura*
30	Smooth pimpleback	*Quadrula houstonensis*
31	Southern hickorynut	*Obovaria jacksoniana*
32	Southern mapleleaf	*Quadrula apiculata*
33	Spike	*Elliptio dilatata*
34	Squawfoot	*Strophitus undulatus*
35	Tampico pearlymussel	*Cyrtonaias tampicoensis*
36	Tapered pondhorn	*Uniomerus declivis*

Latin name	Common name
Amblema plicata	Threeridge
Pyganodon grandis	Giant Floater
Utterbackia imbecillis	Paper Pondshell
Anodonta suborbiculata	Flat Floater
Arcidens confragosus	Rock-Pocketbook
Arkansia wheeleri	Ouachtta Rock-Pocketbook
Cyrtonaias tampicoensis	Tampico Pearlymussel
Elliptio dilatata	Spike
Fusconaia askewi	Texas Pigtoe
Fusconaia flava	Wabash Pigtoe
Fusconaia lananensis	Triangle Pigtoe
Glebula rotundata	Round Pearlshell
Lampsilis bracteata	Texas Fatmucket
Lampsilis cardium	Plain Pocketbook
Lampsilis hydiana	Louisiana Fatmucket
Lampsilis satura	Sandbank Pocketbook
Lampsilis teres	Yellow Sandshell
Lasmigona complanata	White Heelsplitter
Leptodea fragilis	Fragile Papershell
Ligumia subrostrata	Pond Mussel
Megalonaias nervosa	Washboard
Obliquaria reflexa	Threehorn Wartyback
Obovaria jacksoniana	Southern Hickorynut
Plectomerus dombeyanus	Bankclimber
Pleurobema riddelli	Louisiana Pigtoe
Popenaias popei	Texas Hornshell
Potamilus amphichaenus	Texas Heelsplitter
Potamilus ohiensis	Pink Papershell
Potamilus purpuratus	Bleufer
Potamilus salinasensis	Salina Mucket
Quadrula apiculata	Southern Mapleleaf
Quadrula aurea	Golden Orb
Quadrula couchiana	Rio Grande Monkeyface
Quadrula houstonensis	Smooth Pimpleback
Quadrula mortoni	Western Pimpleback
Quadrula nobilis	Gulf Mapleleaf

37	Texas fatmucket	*Lampsilis bracteata*	*Quadrula nodulata*	Wartyback
38	Texas fawnsfoot	*Truncilla macrodon*	*Quadrula petrina*	Texas Pimpleback
39	Texas heelsplitter	*Potamilus amphichaenus*	*Quadrula pustulosa*	Pimpleback
40	Texas hornshell	*Popenaias popei*	*Quadrula quadrula*	Mapleleaf
41	Texas lilliput	*Toxolasma texasensis*	*Quincuncina mitchelli*	False Spike
42	Texas pigtoe	*Fusconaia askewi*	*Strophitus undulatus*	Squawfoot
43	Texas pimpleback	*Quadrula petrina*	*Toxolasma parvus*	Lilliput
44	Threehorn wartyback	*Obliquaria reflexa*	*Toxolasma texasensis*	Texas Lilliput
45	Threeridge	*Amblema plicata*	*Tritogonia verrucosa*	Pistolgrip
46	Triangle pigtoe	*Fusconaia lananensis*	*Truncilla cognata*	Mexican Fawnsfoot
47	Wabash pigtoe	*Fusconaia flava*	*Truncilla donaciformis*	Fawnsfoot
48	Wartyback	*Quadrula nodulata*	*Truncilla macrodon*	Texas Fawnsfoot
49	Washboard	*Megalonaias nervosa*	*Truncilla truncata*	Deertoe
50	Western pimpleback	*Quadrula mortoni*	*Uniomerus declivis*	Tapered Pondhorn
51	White heelsplitter	*Lasmigona complanata*	*Uniomerus tetralasmus*	Pondhorn
52	Yellow sandshell	*Lampsilis teres*	*Villosa lienosa*	Little Spectaclecase

Year	Date	Waterbody	Sites	Location	Latitude	Longitude
2007	14-Jun-07	Brazos River	1	CR 1118 (Brazos Point Rd.)	32.20465	-97.6051000
2007	14-Jun-07	Brazos River	1	CR 1118 (Brazos Point Rd.)	32.20465	-97.6051000
2007	14-Jun-07	Brazos River	1	CR 1118 (Brazos Point Rd.)	32.20465	-97.6051000
2007	15-Jun-07	Brazos River	1	FM 4 crossing	32.86352	-98.3034400
2007	23-Jun-07	Brazos River	1	south of IH 20	32.64898	-98.0380900
2007	27-Apr-07	Brazos River	3	S. Whitney Dam (below Lake Whitney Reservoir)	31.86497	-97.3622700
2007	27-Apr-07	Brazos River	3	S. Whitney Dam (below Lake Whitney Reservoir)	31.86497	-97.3622700
2007	24-Jun-07	Brazos River	1	south of Lake Granbury	32.26069	-97.6812400
2007	24-Jun-07	Brazos River	1	south of Lake Granbury	32.26069	-97.6812400
2007	**24-Jun-07**	**Brazos River**	**1**	**south of Lake Granbury**	**32.26069**	**-97.6812400**
2007	14-Jun-07	Brazos River	1	US 67 crossing	32.27148	-97.6643100
2007	14-Jun-07	Brazos River	1	US 67 crossing	32.27148	-97.6643100
2007	14-Jun-07	Brazos River	1	US 67 crossing	32.27148	-97.6643100

County	Depth	Species	Common name	Total Live	Recently dead	Live+Recently Dead	Total Shells	Total 0.5 shells	Method
Bosque, Johnson	0.2-0.7	*Cyrtonaias tampicoensis*	Tampico Pearlymussel	0	0	0	0	1	Time search
Bosque, Johnson	0.2-0.7	*Lampsilis teres*	Yellow Sandshell	0	0	0	0	1	Time search
Bosque, Johnson	0.2-0.7	*Potamilus ohiensis*	Pink Papershell	0	0	0	2	2	Time search
Palo Pinto	0.2-0.6	*Cyrtonaias tampicoensis*	Tampico Pearlymussel	0	0	0	2	5	Time search
Parker	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel	0	0	0	1	0	Time search
Somervell	0.2-1.0	*Cyrtonaias tampicoensis*	Tampico Pearlymussel	0	0	0	6	5	Time search
Somervell	0.2-1.0	*Quadrula apiculata*	Southern Mapleleaf	0	0	0	1	0	Time search
Somervell	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel	0	0	0	0	18	Time search
Somervell	0.2-1.5	*Potamilus ohiensis*	Pink Papershell	0	0	0	0	15	Time search
Somervell	**0.2-1.5**	***Truncilla macrodon***	**Texas Fawnsfoot**	**0**	**0**	**0**	**0**	**1**	**Time search**
Somervell	0.2-1.2	*Cyrtonaias tampicoensis*	Tampico Pearlymussel	0	1	1	8	1	Time search
Somervell	0.2-1.2	*Leptodea fragilis*	Fragile Papershell	0	0	0	0	1	Time search
Somervell	0.2-1.2	*Pyganodon grandis*	Giant Floater	0	0	0	0	1	Time search

Time search, man/hr	TS Live Density, live mussel/mh	TS Density, Recently dead/mh	TS Density, Live+Recently dead/mh	TS Shell Density, shells/mh (shells + valves)	TS (Live+Dead) man hr	Quadrats, m2	# Quadrats	# Mussels in Quadrats	Qt Ave Density, mussel/m2	Qt SD Density, mussel/m3	Area search, m2
1	0.0	0.0	0.0	0.5	0.5						
1	0.0	0.0	0.0	0.5	0.5						
1	0.0	0.0	0.0	3.0	3.0						
2	0.0	0.0	0.0	2.3	2.3						
1	0.0	0.0	0.0	1.0	1.0						
2.75	0.0	0.0	0.0	3.1	3.1						
2.75	0.0	0.0	0.0	0.4	0.4						
1.5	0.0	0.0	0.0	6.0	6.0						
1.5	0.0	0.0	0.0	5.0	5.0						
1.5	**0.0**	**0.0**	**0.0**	**0.3**	**0.3**						
1.5	0.0	0.7	0.7	5.7	5.7						
1.5	0.0	0.0	0.0	0.3	0.3						
1.5	0.0	0.0	0.0	0.3	0.3						

# Mussels in area search	AS Density, mussel/m-2	Species in quadrats/area	# Methods employed (TS - time search, QT - quadrats in mussel beds, AS - area search, ATS - Area search along transects across the river, QTTR - quadrats systematically placed along transects run across the river)	Total live mussels found by all methods combined	Total shells found by all methods combined	Total valves found by all methods combined
			1 (TS)	0	0	1
			1 (TS)	0	0	1
			1 (TS)	0	2	2
			1 (TS)	0	2	5
			1 (TS)	0	1	0
			1 (TS)	0	6	5
			1 (TS)	0	1	0
			1 (TS)	0	0	18
			1 (TS)	0	0	15
			1 (TS)	**0**	**0**	**1**
			1 (TS)	0	8	1
			1 (TS)	0	0	1
			1 (TS)	0	0	1

Water conditions (water level): 1 - low, 2 - medium, 3 - high; 0 - drawdown or at shore	Comments	Drainage	Shell conditions	Province
2	large rock, gravel	Brazos River	VLD	Central
2	large rock, gravel	Brazos River	VLD	Central
2	large rock, gravel	Brazos River	VLD	Central
2	rocks and gravel	Brazos River	VLD	Central
2	sand and gravel	Brazos River	VLD	Central
2	small rocks, gravel	Brazos River	VLD	Central
2	small rocks, gravel	Brazos River	VLD	Central
2	sand and gravel	Brazos River	VLD	Central
2	sand and gravel	Brazos River	VLD	Central
2	**sand and gravel**	**Brazos River**	**VLD**	**Central**
2	small rocks, gravel	Brazos River	VLD	Central
2	small rocks, gravel	Brazos River	VLD	Central
2	small rocks, gravel	Brazos River	VLD	Central

Year	Date	Waterbody	Sites	Location	Latitude	Longitude	County	Depth	Species	Common name
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Plectomerus dombeyanus*	Bankclimber
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Tritogonia verrucosa*	Pistolgrip
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Quadrula apiculata*	Southern mapleleaf
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Amblema plicata*	Threeridge
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Quadrula mortoni*	Western pimpleback

2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Obliquaria reflexa*	Threehorn wartyback
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Arcidens confragosus*	Rock pocketbook
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Leptodea fragilis*	Fragile papershell
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Pleurobema riddelli*	Louisiana pigtoe
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Fusconaia lananensis*	Triangle pigtoe
2006	8/19/2006	Angelina River	1	US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Uniomerus declivis*	Tapered pondhorn

2006	8/19/2006	Angelina River	1 US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Potamilus purpuratus*	Bluefer
2006	8/19/2006	Angelina River	1 US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Truncilla truncata*	Deertoe Washboard
2006	8/19/2006	Angelina River	1 US 59 crossing	31°29.216N	94°49.416W	Nacogdoches, Angelina	0.5	*Megalonaias nervosa*	
2006	**8/19/2006**	**Angelina River**	**1 US 59 crossing**	**31°29.216N**	**94°49.416W**	**Nacogdoches, Angelina**	**0.5**	**Total found**	**Total found**
2006	**8/19/2006**	**Angelina River**	**1 US 59 crossing**	**31°29.216N**	**94°49.416W**	**Nacogdoches, Angelina**	**0.5**	**Total species found**	**Total species found**
2006	9/7/2006	Angelina River	1 SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2-0.5	*Plectomerus dombeyanus*	Bankclimber

									Giant Floater
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Pyganodon grandis*
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Leptodea fragilis*	Fragile papershell Sandbank Pocketbook
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Lampsilis satura*
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Fusconaia sp.*	Pigtoe Texas Pigtoe
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Fusconaia askewi*
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Tritogonia verrucosa*	Pistolgrip

2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Arcidens confragosus*	Rock pocketbook
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Potamilus purpuratus*	Bluefer
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Truncilla truncata*	Deertoe Yellow Sandshell
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Lampsilis teres*	
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Obliquaria reflexa*	Threehorn wartyback
2006	9/7/2006	Angelina River	1	SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Quadrula mortoni*	Western pimpleback

									Creeper
2006	9/7/2006	Angelina River	1 SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Strophitus undulatus*	Washboard
2006	9/7/2006	Angelina River	1 SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Megalonaias nervosa*	Louisiana Fatmucket
2006	9/7/2006	Angelina River	1 SR 7	31.457087°N - 31.457231°N	94.726190°W - 94.726742°W	Nacogdoches, Angelina	0.2- 0.5	*Lampsilis hydiana*	
2006	**9/7/2006**	**Angelina River**	**1 SR 7**	**31.457087°N - 31.457231°N**	**94.726190°W - 94.726742°W**	**Nacogdoches, Angelina**	**0.2- 0.5**	**Total found**	**Total found**
2006	**9/7/2006**	**Angelina River**	**1 SR 7**	**31.457087°N - 31.457231°N**	**94.726190°W - 94.726742°W**	**Nacogdoches, Angelina**	**0.2- 0.5**	**Total species found**	**Total species found**
2007	6/5/2007	Attoyac Bayou	1 FM 138	31.768386	94.426159	Nacogdoches, Shelby	0.2- 1.5	*Amblema plicata*	Threeridge

2007	6/5/2007	Attoyac Bayou	1	FM 138	31.768386	94.426159	Nacogdoches, Shelby	0.2- 1.5	*Fusconaia lananensis*	Triangle Pigtoe
2007	6/5/2007	Attoyac Bayou	1	FM 138	31.768386	94.426159	Nacogdoches, Shelby	0.2- 1.5	*Lampsilis hydiana*	Louisiana Fatmucket
2007	6/5/2007	Attoyac Bayou	1	FM 138	31.768386	94.426159	Nacogdoches, Shelby	0.2- 1.5	*Villosa lienosa*	Little Spectaclecase
2007	**6/5/2007**	**Attoyac Bayou**	1	**FM 138**	**31.768386**	**94.426159**	**Nacogdoches, Shelby**	**0.2- 1.5**	**Total found**	**Total found**
2007	**6/5/2007**	**Attoyac Bayou**	1	**FM 138**	**31.768386**	**94.426159**	**Nacogdoches, Shelby**	**0.2- 1.5**	**Total species found**	**Total species found**
										Giant Floater
2007	8/8/2007	Houston County Lake	1	Public Boat Ramp	31.40974	95.60443	Houston	0.2- 1.0	*Pyganodon grandis*	

										Pigtoe
2007	8/8/2007	Houston County Lake	1	Public Boat Ramp	31.40974	95.60443	Houston	0.2-1.0	*Fusconaia sp.*	
2007	**8/8/2007**	**Houston County Lake**	1	**Public Boat Ramp**	**31.40974**	**95.60443**	**Houston**	**0.2-1.0**	**Total found**	**Total found**
2007	**8/8/2007**	**Houston County Lake**	1	**Public Boat Ramp**	**31.40974**	**95.60443**	**Houston**	**0.2-1.0**	**Total species found**	**Total species found**
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Lampsilis teres*	Yellow sandshell
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Potamilus purpuratus*	Bluefer
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Pyganodon grandis*	Giant Floater

2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Truncilla truncata*	Deertoe
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Megalonaias nervosa*	Washboard
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Quadrula apiculata*	Southern Mapleleaf
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Obliquaria reflexa*	Threehorn Wartyback
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Amblema plicata*	Threeridge
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Plectomerus dombeyanus*	Bankclimber

2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Lampsilis hydiana*	Louisiana Fatmucket
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Quadrula nobilis*	Gulf Mapleleaf
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Leptodea fragilis*	Fragile papershell
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Quadrula mortoni*	Western Pimpleback
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Pleurobema riddelli*	Louisiana Pigtoe
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Uniomerus declivis*	Tapered Pondhorn

									Little Spectaclecase
2006	9/7/2006	Neches River	1	SR 7 at boat ramp	31°23.794 N	094°57.935W	Nacogdoches	0.1-1.2	*Villosa lienosa*
2006	**9/7/2006**	**Neches River**	**1**	**SR 7 at boat ramp**	**31°23.794 N**	**094°57.935W**	**Nacogdoches**	**0.1-1.2**	**Total found**	**Total found**
2006	**9/7/2006**	**Neches River**	**1**	**SR 7 at boat ramp**	**31°23.794 N**	**094°57.935W**	**Nacogdoches**	**0.1-1.2**	**Total species found**	**Total species found**
									Threeridge
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Amblema plicata*
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Arcidens confragosus*	Rock pocketbook
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Lampsilis hydiana*	Louisiana fatmucket

2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Lampsilis teres*	Yellow sandshell
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Leptodea fragilis*	Fragile papershell Washboard
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Megalonaias nervosa*	
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Obliquaria reflexa*	Threehorn wartyback
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Plectomerus dombeyanus*	Bankclimber
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Potamilus amphichaenus*	Texas heelsplitter

2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Potamilus purpuratus*	Bluefer
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Pyganodon grandis*	Giant floater
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Tritogonia verrucosa*	Pistolgrip
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Quadrula apiculata*	Southern mapleleaf
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Quadrula mortoni*	Western pimpleback
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Quadrula nobilis*	Gulf Mapleleaf

2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Toxolasma texasensis*	Texas lilliput
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Truncilla donaciformis*	Fawnsfoot Deertoe
2007	04/20-21/2007	B.A. Steinhagen Reservoir	19	19 Transects total across the lake	30°51.775N	094°10.968W	Jasper, Newton	0	*Truncilla truncata*	
2007	**04/20-21/2007**	**B.A. Steinhagen Reservoir**	**19**	**19 Transects total across the lake**	**30°51.775N**	**094°10.968W**	**Jasper, Newton**	**0**	**Total found**	**Total found**
2007	**04/20-21/2007**	**B.A. Steinhagen Reservoir**	**19**	**19 Transects total across the lake**	**30°51.775N**	**094°10.968W**	**Jasper, Newton**	**0**	**Total species found**	**Total species found**
										Giant Floater
2006	4/15/2006	Caddo Lake	1	Starr Ditch Canal	32°42’43”N	94°06’26”W	Harrison	0	*Pyganodon grandis*	

										Flat Floater
2006	4/15/2006	Caddo Lake	1	Starr Ditch Canal	32°42’43”N	94°06’26”W	Harrison	0	*Anodonta suborbiculata*	
2006	4/15/2006	Caddo Lake	1	Starr Ditch Canal	32°42’43”N	94°06’26”W	Harrison	0	*Lampsilis teres*	Yellow sandshell Texas Lilliput
2006	4/15/2006	Caddo Lake	1	Starr Ditch Canal	32°42’43”N	94°06’26”W	Harrison	0	*Toxolasma texasensis*	Pond Mussel
2006	4/15/2006	Caddo Lake	1	Starr Ditch Canal	32°42’43”N	94°06’26”W	Harrison	0	*Ligumia subrostrata*	
2006	4/15/2006	Caddo Lake	1	Starr Ditch Canal	32°42’43”N	94°06’26”W	Harrison	0	*Lampsilis hydiana*	Louisiana fatmucket
2006	**4/15/2006**	**Caddo Lake**	**1**	**Starr Ditch Canal**	**32°42’43”N**	**94°06’26”W**	**Harrison**	**0**	**Total found**	**Total found**

2006	**4/15/2006**	**Caddo Lake**	**1**	**Starr Ditch Canal**	**32°42'43"N**	**94°06'26"W**	**Harrison**	**0**	**Total species found**	**Total species found**
										Texas Lilliput
2007	2/18/2007	Caddo Lake	1	Starr Ditch Canal	32°42'43"N	94°06'26"W	Harrison	0	*Toxolasma texasensis*	Pond Mussel
2007	2/18/2007	Caddo Lake	1	Starr Ditch Canal	32°42'43"N	94°06'26"W	Harrison	0	*Ligumia subrostrata*	
2007	2/18/2007	Caddo Lake	1	Starr Ditch Canal	32°42'43"N	94°06'26"W	Harrison	0	*Lampsilis teres*	Yellow sandshell
2007	2/18/2007	Caddo Lake	1	Starr Ditch Canal	32°42'43"N	94°06'26"W	Harrison	0	*Lampsilis hydiana*	Louisiana fatmucket
2007	**2/18/2007**	**Caddo Lake**	**1**	**Starr Ditch Canal**	**32°42'43"N**	**94°06'26"W**	**Harrison**	**0**	**Total found**	**Total found**

2007	**2/18/2007**	**Caddo Lake**	**1**	**Starr Ditch Canal**	**32°42'43"N**	**94°06'26"W**	**Harrison**	**0**	**Total species found**
2006	8/18/2006	Sabine River	1	CC 99 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Lampsilis teres*
2006	8/18/2006	Sabine River	1	CC 99 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Tritogonia verrucosa*
2006	8/18/2006	Sabine River	1	CC 99 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Potamilus purpuratus*
2006	8/18/2006	Sabine River	1	CC 99 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Potamilus amphichaenus*
2006	8/18/2006	Sabine River	1	CC 99 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Quadrula apiculata*

									Total species found
									Yellow sandshell
									Pistolgrip
									Bluefer
									Texas heelsplitter
									Southern mapleleaf

2006	8/18/2006	Sabine River	1	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Utterbackia imbecillis*	Pond papershell
2006	8/18/2006	Sabine River	1	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Leptodea fragilis*	Fragile papershell
2006	8/18/2006	Sabine River	1	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Quadrula mortoni*	Western pimpleback
2006	8/18/2006	Sabine River	1	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Amblema plicata*	Threeridge
2006	8/18/2006	Sabine River	1	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Lampsilis satura*	Sandbank pocketbook
2006	8/18/2006	Sabine River	1	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	32.32790N	94.35292 W	Angelina, Nacogdoches	0.2 - 1.0	*Fusconaia askewi*	Texas pigtoe

2006	**8/18/2006**	**Sabine River**	1	**sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))**	**32.32790N**	**94.35292 W**	**Angelina, Nacogdoches**	**0.2 - 1.0**	**Total found**	**Total found**
2006	**8/18/2006**	**Sabine River**	1	**sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))**	**32.32790N**	**94.35292 W**	**Angelina, Nacogdoches**	**0.2 - 1.0**	**Total species found**	**Total species found**
2007	6/5/2007	Striker Creek Reservoir	1	CR 4256	31.938978°N	94.974764°W	Cherokee, Rusk	0-1.5	*Potamilus purpuratus*	Bluefer
2007	6/5/2007	Striker Creek Reservoir	1	CR 4256	31.938978°N	94.974764°W	Cherokee, Rusk	0-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2007	6/5/2007	Striker Creek Reservoir	1	CR 4256	31.938978°N	94.974764°W	Cherokee, Rusk	0-1.5	*Lampsilis teres*	Yellow sandshell
2007	**6/5/2007**	**Striker Creek Reservoir**	1	**CR 4256**	**31.938978°N**	**94.974764°W**	**Cherokee, Rusk**	**0-1.5**	**Total found**	**Total found**

2007	**6/5/2007**	**Striker Creek Reservoir**	1	**CR 4256**	**31.938978°N**	**94.974764°W**	**Cherokee, Rusk**	**0-1.5**	**Total species found**	**Total species found**
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Potamilus purpuratus*	Bleufer
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Quadrula quadrula*	Mapleleaf
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Tritogonia verrucosa*	Pistolgrip
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Plectomerus dombeyanus*	Bankclimber

2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Amblema plicata*	Threeridge
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Obliquaria reflexa*	Threehorn Wartyback
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Lampsilis teres*	Yellow sandshell
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Potamilus ohiensis*	Pink Papershell
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Fusconaia flava*	Wabash Pigtoe
2007	5/14/2007	Sulphur River	1	Shumake property	33.36141	94.79845	Red River	0-1.5	*Megalonaias nervosa*	Washboard

2007	**5/14/2007**	**Sulphur River**	1	**Shumake property**	**33.36141**	**94.79845**	**Red River**	**0-1.5**	**Total found**	**Total found**
2007	**5/14/2007**	**Sulphur River**	1	**Shumake property**	**33.36141**	**94.79845**	**Red River**	**0-1.5**	**Total species found**	**Total species found**
2007	5/15/2007	Lake Cooper	1	CR 4795	33.31194	95.61089	Hopkins	0-0.5	*Quadrula quadrula*	Mapleleaf
2007	5/15/2007	Lake Cooper	1	CR 4795	33.31194	95.61089	Hopkins	0-0.5	*Pyganodon grandis*	Giant Floater
2007	5/15/2007	Lake Cooper	1	CR 4795	33.31194	95.61089	Hopkins	0-0.5	*Potamilus purpuratus*	Bleufer
2007	5/15/2007	Lake Cooper	1	CR 4795	33.31194	95.61089	Hopkins	0-0.5	*Lampsilis hydiana*	Louisiana fatmucket

2007	5/15/2007	Lake Cooper	1 CR 4795	33.31194	95.61089	Hopkins	0-0.5	*Potamilus ohiensis*	Pink Papershell
2007	**5/15/2007**	**Lake Cooper**	**1 CR 4795**	**33.31194**	**95.61089**	**Hopkins**	**0-0.5**	**Total found**	**Total found**
2007	**5/15/2007**	**Lake Cooper**	**1 CR 4795**	**33.31194**	**95.61089**	**Hopkins**	**0-0.5**	**Total species found**	**Total species found**
2007	5/15/2007	Lake Cooper	1 Doctors Park	33.34049	95.65103	Hopkins	0-0.5	*Quadrula quadrula*	Mapleleaf
2007	5/15/2007	Lake Cooper	1 Doctors Park	33.34049	95.65103	Hopkins	0-0.5	*Pyganodon grandis*	Giant Floater
2007	5/15/2007	Lake Cooper	1 Doctors Park	33.34049	95.65103	Hopkins	0-0.5	*Potamilus purpuratus*	Bleufer

2007	5/15/2007	Lake Cooper	1	Doctors Park	33.34049	95.65103	Hopkins	0-0.5	*Lampsilis teres*	Yellow sandshell
2007	5/15/2007	Lake Cooper	1	Doctors Park	33.34049	95.65103	Hopkins	0-0.5	*Potamilus ohiensis*	Pink Papershell
2007	**5/15/2007**	**Lake Cooper**	**1**	**Doctors Park**	**33.34049**	**95.65103**	**Hopkins**	**0-0.5**	**Total found**	**Total found**
2007	**5/15/2007**	**Lake Cooper**	**1**	**Doctors Park**	**33.34049**	**95.65103**	**Hopkins**	**0-0.5**	**Total species found**	**Total species found**
2007	5/15/2007	Sulphur River	1	NW 39 (CR 1412 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Amblema plicata*	Threeridge
2007	5/15/2007	Sulphur River	1	NW 39 (CR 1412 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Potamilus purpuratus*	Bleufer

2007	5/15/2007	Sulphur River	NW 39 (CR 1412 1 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Plectomerus dombeyanus*	Bankclimber
2007	5/15/2007	Sulphur River	NW 39 (CR 1412 1 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Megalonaias nervosa*	Washboard
2007	5/15/2007	Sulphur River	NW 39 (CR 1412 1 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Tritogonia verrucosa*	Pistolgrip
2007	5/15/2007	Sulphur River	NW 39 (CR 1412 1 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Lampsilis hydiana*	Louisiana fatmucket
2007	5/15/2007	Sulphur River	NW 39 (CR 1412 1 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Quadrula quadrula*	Mapleleaf
2007	5/15/2007	Sulphur River	NW 39 (CR 1412 1 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Obliquaria reflexa*	Threehorn Wartyback

2007	5/15/2007	Sulphur River	1	NW 39 (CR 1412 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Fusconaia flava*	Wabash Pigtoe
2007	5/15/2007	Sulphur River	1	NW 39 (CR 1412 after the bridge)	33.3915	95.06118	Delta, Hopkins	0.2-1.0	*Potamilus ohiensis*	Pink Papershell
2007	**5/15/2007**	**Sulphur River**	**1**	**NW 39 (CR 1412 after the bridge)**	**33.3915**	**95.06118**	**Delta, Hopkins**	**0.2-1.0**	**Total found**	**Total found**
2007	**5/15/2007**	**Sulphur River**	**1**	**NW 39 (CR 1412 after the bridge)**	**33.3915**	**95.06118**	**Delta, Hopkins**	**0.2-1.0**	**Total species found**	**Total species found**
2006	12/9/2006	Toledo Bend Reservoir	3	3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))	31°14.321 N - 31°24.558 N	93°45.339 W - 93°46.902 W	Shelby, Sabine	0-0.5	*Toxolasma texasensis*	Texas lilliput
2006	12/9/2006	Toledo Bend Reservoir	3	3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))	31°14.321 N - 31°24.558 N	93°45.339 W - 93°46.902 W	Shelby, Sabine	0-0.5	*Ligumia subrostrata*	Pond mussel

2006	12/9/2006	Toledo Bend Reservoir	3	3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))	31°14.321 N - 31°24.558 N	93°45.339 W - 93°46.902 W	Shelby, Sabine	0-0.5	*Pyganodon grandis*	Giant floater
2006	12/9/2006	Toledo Bend Reservoir	3	3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))	31°14.321 N - 31°24.558 N	93°45.339 W - 93°46.902 W	Shelby, Sabine	0-0.5	*Lampsilis hydiana*	Louisiana Fatmucket
2006	12/9/2006	Toledo Bend Reservoir	3	3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))	31°14.321 N - 31°24.558 N	93°45.339 W - 93°46.902 W	Shelby, Sabine	0-0.5	*Toxolasma texasensis*	Texas lilliput
2006	12/9/2006	Toledo Bend Reservoir	3	3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))	31°14.321 N - 31°24.558 N	93°45.339 W - 93°46.902 W	Shelby, Sabine	0-0.5	*Lampsilis teres*	Yellow sandshell
2006	**12/9/2006**	**Toledo Bend Reservoir**	**3**	**3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))**	**31°14.321 N - 31°24.558 N**	**93°45.339 W - 93°46.902 W**	**Shelby, Sabine**	**0-0.5**	**Total found**	**Total found**
2006	**12/9/2006**	**Toledo Bend Reservoir**	**3**	**3 sites (Six Mile Creek SH 87 (1); Harborlight Marina, Sunshine Bay (2); SH 21 crossing (3))**	**31°14.321 N - 31°24.558 N**	**93°45.339 W - 93°46.902 W**	**Shelby, Sabine**	**0-0.5**	**Total species found**	**Total species found**

2007	6/3/2007	Village Creek	1	FM 418 crossing	31.64641	94.637	Hardin	0.5-1.5	*Lampsilis hydiana*	Lousiana Fatmucket
2007	6/3/2007	Village Creek	1	FM 418 crossing	31.64641	94.637	Hardin	0.5-1.5	*Quadrula mortoni*	Western Pimpleback
2007	6/27/2007	Village Creek	1	Nature Consevancy	30.3962	94.26629	Hardin	0.5-1.5	*Fusconaia lananensis*	Triangle Pigtoe
2007	6/27/2007	Village Creek	1	Nature Consevancy	30.3962	94.26629	Hardin	0.5-1.5	*Toxolasma texasensis*	Texas Lilliput
2007	**6/3,27/2007**	**Village Creek**	**2**	**2 sites (FM 418 (1); Nature Consevancy area (2))**	**30.3962 - 31.64641**	**94.26629 - 94.637**	**Hardin**	**0.5-1.5**	**Total found**	**Total found**
2007	**6/3,27/2007**	**Village Creek**	**2**	**2 sites (FM 418 (1); Nature Consevancy area (2))**	**30.3962 - 31.64641**	**94.26629 - 94.637**	**Hardin**	**0.5-1.5**	**Total species found**	**Total species found**

2006	12/27/2006	Wright Patman Reservoir	4	4 sites (near spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge	not recorded	not recorded	Cass, Morris, Titus, Red River	0-0.3	Quadrula quadrula	Mapleleaf
2006	12/27/2006	Wright Patman Reservoir	4	4 sites (near spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge	not recorded	not recorded	Cass, Morris, Titus, Red River	0-0.3	Anodonta suborbiculata	Flat floater
2006	12/27/2006	Wright Patman Reservoir	4	4 sites (near spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge	not recorded	not recorded	Cass, Morris, Titus, Red River	0-0.3	Pyganodon grandis	Giant floater
2006	12/27/2006	Wright Patman Reservoir	4	4 sites (near spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge	not recorded	not recorded	Cass, Morris, Titus, Red River	0-0.3	Leptodea fragilis	Fragile papershell
2006	**12/27/2006**	**Wright Patman Reservoir**	4	**spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge**	**not recorded**	**not recorded**	**Cass, Morris, Titus, Red River**	**0-0.3**	**Total found**	**Total found**
2006	**12/27/2006**	**Wright Patman Reservoir**	4	**spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge**	**not recorded**	**not recorded**	**Cass, Morris, Titus, Red River**	**0-0.3**	**Total species found**	**Total species found**

2005	9/2/2005	Attoyac Bayou	1	CR 392 crossing	31°32.597N	094°18.419W	Rusk	0.2-1.2	*Plectomerus dombeyanus*	Bankclimber
2005	9/2/2005	Attoyac Bayou	1	CR 392 crossing	31°32.597N	094°18.419W	Rusk	0.2-1.2	*Fusconaia lananensis*	Triangle Pigtoe
2005	9/2/2005	Attoyac Bayou	1	CR 392 crossing	31°32.597N	094°18.419W	Rusk	0.2-1.2	*Potamilus purpuratus*	Bluefer
2005	9/2/2005	Attoyac Bayou	1	CR 392 crossing	31°32.597N	094°18.419W	Rusk	0.2-1.2	*Tritogonia verrucosa*	Pistolgrip
2005	9/2/2005	Attoyac Bayou	1	CR 392 crossing	31°32.597N	094°18.419W	Rusk	0.2-1.2	*Lampsilis hydiana*	Louisiana fatmucket
2005	**9/2/2005**	**Attoyac Bayou**	1	**CR 392 crossing**	**31°32.597N**	**094°18.419W**	**Rusk**	**0.2-1.2**	**Total found**	**Total found**

2005	**9/2/2005**	**Attoyac Bayou**	**1**	**CR 392 crossing**	**31°32.597N**	**094°18.419W**	**Rusk**	**0.2-1.2**	**Total species found**
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Pyganodon grandis*
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Toxolasma texasensis*
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Leptodea fragilis*
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Lampsilis teres*
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Potamilus purpuratus*

Total species found

Giant floater

Texas lilliput

Fragile papershell

Yellow sandshell

Bluefer

2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Lampsilis hydiana*	Louisiana fatmucket
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Tritogonia verrucosa*	Pistolgrip
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Quadrula mortoni*	Western pimpleback
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Obliquaria reflexa*	Threehorn wartyback
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Truncilla donaciformis*	Fawnsfoot
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Plectomerus dombeyanus*	Bankclimber

2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Utterbackia imbecillis*	Pond papershell
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Amblema plicata*	Threeridge
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Anodonta suborbiculata*	Flat floater
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Quadrula apiculata*	Southern mapleleaf
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Potamilus amphichaenus*	Texas heelsplitter
2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Arcidens confragosus*	Rock pocketbook

2005	10/24,28/2005	B.A. Steinhagen Reservoir	7	7 sites total	30°51.775N	094°10.968W	Jasper, Newton	0	*Quadrula nobilis*	Gulf Mapleleaf
2005	**10/24,28/2005**	**B.A. Steinhagen Reservoir**	7	**7 sites total**	**30°51.775N**	**094°10.968W**	**Jasper, Newton**	**0**	**Total found**	**Total found**
2005	**10/24,28/2005**	**B.A. Steinhagen Reservoir**	7	**7 sites total**	**30°51.775N**	**094°10.968W**	**Jasper, Newton**	**0**	**Total species found**	**Total species found**
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Lampsilis teres*	Yellow sandshell
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Plectomerus dombeyanus*	Bankclimber
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Uniomerus declivis*	Tapered pondhorn

2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Uniomerus tetralasmus*	Pondhorn
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Ligumia subrostrata*	Pondmussel
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Fusconaia askewi*	Texas pigtoe
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Toxolasma texasensis*	Texas lilliput
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Amblema plicata*	Threeridge
2006	6/4/2006	Big Cypress Bayou	3	5 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Pyganodon grandis*	Giant floater

2006	6/4/2006	Big Cypress Bayou	3	3 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Quadrula quadrula*	Mapleleaf
2006	6/4/2006	Big Cypress Bayou	3	3 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Megalonaias nervosa*	Washboard
2006	6/4/2006	Big Cypress Bayou	3	3 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind	33°04.846'N	94°59.956'W	Titus	0.1-0.5	*Quadrula mortoni*	Western Pimpleback
2006	**6/4/2006**	**Big Cypress Bayou**	3	**3 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters**	**33°04.846'N**	**94°59.956'W**	**Titus**	**0.1-0.5**	**Total found**	**Total found**
2006	**6/4/2006**	**Big Cypress Bayou**	3	**3 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters**	**33°04.846'N**	**94°59.956'W**	**Titus**	**0.1-0.5**	**Total species found**	**Total species found**
2005	11/5/2005	Lake Cypress Springs	2	2 sites total	33°03.129N	095°08.545W	Franklin	0-0.5	*Pyganodon grandis*	Giant floater

2005	11/5/2005	Lake Cypress Springs	2	2 sites total	33°03.129N	095°08.545W	Franklin	0-0.5	*Utterbackia imbecillis*	Pond papershell
2005	11/5/2005	Lake Cypress Springs	2	2 sites total	33°03.129N	095°08.545W	Franklin	0-0.5	*Toxolasma texasensis*	Texas lilliput
2005	11/5/2005	Lake Cypress Springs	2	2 sites total	33°03.129N	095°08.545W	Franklin	0-0.5	*Lampsilis teres*	Yellow sandshell
2005	11/5/2005	Lake Cypress Springs	2	2 sites total	33°03.129N	095°08.545W	Franklin	0-0.5	*Ligumia subrostrata*	Pond mussel
2005	11/5/2005	Lake Cypress Springs	2	2 sites total	33°03.129N	095°08.545W	Franklin	0-0.5	*Anodonta suborbiculata*	Flat floater
2005	**11/5/2005**	**Lake Cypress Springs**	2	**2 sites total**	**33°03.129N**	**095°08.545W**	**Franklin**	**0-0.5**	**Total found**	**Total found**

2005	**11/5/2005**	**Lake Cypress Springs**	2	**2 sites total**	**33°03.129N**	**095°08.545W**	**Franklin**	**0-0.5**	**Total species found**	**Total species found**
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Pyganodon grandis*	Giant floater
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Toxolasma texasensis*	Texas lilliput
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Lampsilis teres*	Yellow sandshell
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Utterbackia imbecillis*	Pond papershell
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Amblema plicata*	Threeridge

2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Anodonta suborbiculata*	Flat floater
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Quadrula quadrula*	Mapleleaf
2005	11/4/2005	Bob Sandlin Reservoir	6	6 sites total	33°04.012N	095°00.099W	Titus, Camp, Franklin	0-0.5	*Ligumia subrostrata*	Pond mussel
2005	**11/4/2005**	**Bob Sandlin Reservoir**	6	**6 sites total**	**33°04.012N**	**095°00.099W**	**Titus, Camp, Franklin**	**0-0.5**	**Total found**	**Total found**
2005	**11/4/2005**	**Bob Sandlin Reservoir**	6	**6 sites total**	**33°04.012N**	**095°00.099W**	**Titus, Camp, Franklin**	**0-0.5**	**Total species found**	**Total species found**
2005	8/15/2005	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Lampsilis teres*	Yellow sandshell

2005	8/15/2005	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Glebula rotundata*	Round pearlshell
2005	8/15/2005	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Pyganodon grandis*	Giant floater
2005	8/15/2005	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Quadrula apiculata*	Southern mapleleaf
2005	**8/15/2005**	**Buffalo Bayou, Bear Creek**	**1**	**Below Addicks Dam, north of I-10 and east of SH6**	**not recorded**	**not recorded**	**Harris**	**0.2-1.2**	**Total found**	**Total found**
2005	**8/15/2005**	**Buffalo Bayou, Bear Creek**	**1**	**Below Addicks Dam, north of I-10 and east of SH6**	**not recorded**	**not recorded**	**Harris**	**0.2-1.2**	**Total species found**	**Total species found**
2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Pyganodon grandis*	Giant floater

2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Lampsilis teres*	Yellow sandshell
2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Quadrula apiculata*	Southern mapleleaf
2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Toxolasma texasensis*	Texas lilliput
2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Uniomerus declivis*	Pondhorn
2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Leptodea fragilis*	Fragile papershell
2005	11/23/2005	Cedar Creek Lake	6	6 sites total	32°13.539N	095°59.837W	Henderson	0.2-0.5m	*Lampsilis hydiana*	Louisiana fatmucket

2005	**11/23/2005**	**Cedar Creek Lake**	6	**6 sites total**	**32°13.539N**	**095°59.837W**	**Henderson**	**0.2-0.5m**	**Total found**	**Total found**
2005	**11/23/2005**	**Cedar Creek Lake**	6	**6 sites total**	**32°13.539N**	**095°59.837W**	**Henderson**	**0.2-0.5m**	**Total species found**	**Total species found**
2005	7/16/2005	Concho River	1	Concho River at Paint Rocks	31.52073	99.93259	Tom Green	0.2-1.5	*Quadrula apiculata*	Southern mapleleaf
2005	7/16/2005	Concho River	1	Concho River at Paint Rocks	31.52073	99.93259	Tom Green	0.2-1.5	*Quadrula petrina*	Texas pimpleback
2005	7/16/2005	Concho River	1	Concho River at Paint Rocks	31.52073	99.93259	Tom Green	0.2-1.5	*Leptodea fragilis*	Fragile papershell
2005	7/16/2005	Concho River	1	Concho River at Paint Rocks	31.52073	99.93259	Tom Green	0.2-1.5	*Utterbackia imbecillis*	Pond papershell

2005	7/16/2005	Concho River	1	Concho River at Paint Rocks	31.52073	99.93259	Tom Green	0.2-1.5	*Potamilus purpuratus*	Bluefer
2005	**7/16/2005**	**Concho River**	**1**	**Concho River at Paint Rocks**	**31.52073**	**99.93259**	**Tom Green**	**0.2-1.5**	**Total found**	**Total found**
2005	**7/16/2005**	**Concho River**	**1**	**Concho River at Paint Rocks**	**31.52073**	**99.93259**	**Tom Green**	**0.2-1.5**	**Total species found**	**Total species found**
2005	7/16/2005	Concho River	1	Painted Rock City Park, downstream from dam	not recorded	not recorded	Tom Green	0.2-1.5	*Quadrula apiculata*	Southern mapleleaf
2005	7/16/2005	Concho River	1	Painted Rock City Park, downstream from dam	not recorded	not recorded	Tom Green	0.2-1.5	*Quadrula petrina*	Texas pimpleback
2005	7/16/2005	Concho River	1	Painted Rock City Park, downstream from dam	not recorded	not recorded	Tom Green	0.2-1.5	*Leptodea fragilis*	Fragile papershell

2005	7/16/2005	Concho River	1	Painted Rock City Park, downstream from dam	not recorded	not recorded	Tom Green	0.2-1.5	*Potamilus purpuratus*	Bluefer
2005	7/16/2005	Concho River	1	Painted Rock City Park, downstream from dam	not recorded	not recorded	Tom Green	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	**7/16/2005**	**Concho River**	**1**	**Painted Rock City Park, downstream from dam**	not recorded	not recorded	**Tom Green**	**0.2-1.5**	**Total found**	**Total found**
2005	**7/16/2005**	**Concho River**	**1**	**Painted Rock City Park, downstream from dam**	not recorded	not recorded	**Tom Green**	**0.2-1.5**	**Total species found**	**Total species found**
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Pyganodon grandis*	Giant floater
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Lampsilis teres*	Yellow sandshell

2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Potamilus purpuratus*	Bluefer
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Amblema plicata*	Threeridge
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Quadrula mortoni*	Western pimpleback
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Truncilla truncata*	Deertoe
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Leptodea fragilis*	Fragile papershell
2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Utterbackia imbecillis*	Pond papershell

2005	7/12/2005	Eagle Mountain Lake	4	4 sites total	not recorded	not recorded	Tarrant	0-1.5	*Toxolasma parvus*	Lilliput
2005	**7/12/2005**	**Eagle Mountain Lake**	**4**	**4 sites total**	not recorded	not recorded	**Tarrant**	**0-1.5**	**Total found**	**Total found**
2005	**7/12/2005**	**Eagle Mountain Lake**	**4**	**4 sites total**	not recorded	not recorded	**Tarrant**	**0-1.5**	**Total species found**	**Total species found**
2005	7/22/2005	Elm Creek	3	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261	not recorded	not recorded	Runnels	0.2-2.0	Leptodea fragilis	Fragile papershell
2005	7/22/2005	Elm Creek	3	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261	not recorded	not recorded	Runnels	0.2-2.0	Utterbackia imbecillis	Pond papershell
2005	7/22/2005	Elm Creek	3	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261	not recorded	not recorded	Runnels	0.2-2.0	Cyrtonaias tampicoensis	Tampico pearlymussel

2005	7/22/2005	Elm Creek	3	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261	not recorded	not recorded	Runnels	0.2-2.0	Quadrula apiculata	Southern mapleleaf
2005	7/22/2005	Elm Creek	3	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261	not recorded	not recorded	Runnels	0.2-2.0	Quadrula petrina	Texas pimpleback
2005	7/22/2005	Elm Creek	3	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261	not recorded	not recorded	Runnels	0.2-2.0	*Lampsilis bracteata*	Texas fatmucket
2005	**7/22/2005**	**Elm Creek**	**3**	**downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261**	**not recorded**	**not recorded**	**Runnels**	**0.2-2.0**	**Total found**	**Total found**
2005	**7/22/2005**	**Elm Creek**	**3**	**downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261**	**not recorded**	**not recorded**	**Runnels**	**0.2-2.0**	**Total species found**	**Total species found**
2005	7/22/2005	Elm Creek Park Lake	1	close to dam (dam area & southeast part)	not recorded	not recorded	Runnels	0.1-1.2	Cyrtonaias tampicoensis	Tampico pearlymussel

2005	7/22/2005	Elm Creek Park Lake	1	close to dam (dam area & southeast part)	not recorded	not recorded	Runnels	0.1-1.2	Quadrula apiculata	Southern mapleleaf
2005	7/22/2005	Elm Creek Park Lake	1	close to dam (dam area & southeast part)	not recorded	not recorded	Runnels	0.1-1.2	Utterbackia imbecillis	Pond papershell
2005	**7/22/2005**	**Elm Creek Park Lake**	**1**	**close to dam (dam area & southeast part)**	**not recorded**	**not recorded**	**Runnels**	**0.1-1.2**	**Total found**	**Total found**
2005	**7/22/2005**	**Elm Creek Park Lake**	**1**	**close to dam (dam area & southeast part)**	**not recorded**	**not recorded**	**Runnels**	**0.1-1.2**	**Total species found**	**Total species found**
2005	7/15/2005	Guadalupe River	1	Kerrville, Hoys park to bridge on Lemos St. (checked north side of island)	not recorded	not recorded	Kerr	0.1-4.0	*Quadrula aurea*	Golden orb
2005	7/15/2005	Guadalupe River	1	Kerrville, Hoys park to bridge on Lemos St. (checked north side of island)	not recorded	not recorded	Kerr	0.1-4.0	*Lampsilis bracteata*	Texas fatmucket

2005	7/15/2005	Guadalupe River	1	Kerrville, Hoys park to bridge on Lemos St. (checked north side of island)	not recorded	not recorded	Kerr	0.1-4.0	*Toxolasma texasensis*	Texas Lilliput
2005	**7/15/2005**	**Guadalupe River**	**1**	**Kerrville, Hoys park to bridge on Lemos St. (checked north side of island)**	**not recorded**	**not recorded**	**Kerr**	**0.1-4.0**	**Total found**	**Total found**
2005	**7/15/2005**	**Guadalupe River**	**1**	**Kerrville, Hoys park to bridge on Lemos St. (checked north side of island)**	**not recorded**	**not recorded**	**Kerr**	**0.1-4.0**	**Total species found**	**Total species found**
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded		0.5-1.2	*Amblema plicata*	Threeridge
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded		0.5-1.2	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded		0.5-1.2	*Lampsilis hydiana*	Louisiana Fatmucket

2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded	0.5-1.2	*Lampsilis teres*	Yellow Sandshell
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded	0.5-1.2	*Megalonaias nervosa*	Washboard
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded	0.5-1.2	*Pyganodon grandis*	Giant Floater
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded	0.5-1.2	*Tritogonia verrucosa*	Pistolgrip
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded	0.5-1.2	*Quadrula apiculata*	Southern Mapleleaf
2006	4/29/2006	Guadalupe River	7	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	not recorded	not recorded	0.5-1.2	*Quadrula aurea*	Golden Orb

2006	**4/29/2006**	**Guadalupe River**	**7**	**7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam**	**not recorded**	**not recorded**	**0.5-1.2**	**Total found**	**Total found**
2006	**4/29/2006**	**Guadalupe River**	**7**	**7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam**	**not recorded**	**not recorded**	**0.5-1.2**	**Total species found**	**Total species found**
2006	4/28/2006	Guadalupe River	1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Tritogonia verrucosa*	Pistolgrip
2006	4/28/2006	Guadalupe River	1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	4/28/2006	Guadalupe River	1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Lampsilis hydiana*	Louisiana Fatmucket
2006	4/28/2006	Guadalupe River	1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Pyganodon grandis*	Giant floater

2006	4/28/2006	Guadalupe River		1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Lampsilis teres*	Yellow Sandshell
2006	4/28/2006	Guadalupe River		1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Quadrula apiculata*	Mapleleaf
2006	4/28/2006	Guadalupe River		1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Amblema plicata*	Threeridge
2006	4/28/2006	Guadalupe River		1	500 m below Gonzales Lake Dam	29°29.663N	097°37.309W	1.3-2.0	*Megalonaias nervosa*	Washboard
2006	**4/28/2006**	**Guadalupe River**	uuuu

2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W	0.3-1.0	*Lampsilis teres*	Yellow sandshell
2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W	0.3-1.0	*Pyganodon grandis*	Giant floater
2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W	0.3-1.0	*Lampsilis hydiana*	Louisiana Fatmucket
2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W	0.3-1.0	*Toxolasma texasensis*	Texas lilliput
2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W	0.3-1.0	*Utterbackia imbecillis*	Paper Pondshell
2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W	0.3-1.0	*Amblema plicata*	Threeridge

2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W		0.3-1.0	*Quadrula apiculata*	Southern Mapleleaf
2006	4/29/2006	Lake Wood	1	on left of boat ramp in the Lake Wood State Park	29°28.252 N	97°29.696 W		0.3-1.0	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2006	**4/29/2006**	**Lake Wood**	1	**on left of boat ramp in the Lake Wood State Park**	**29°28.252 N**	**97°29.696 W**		**0.3-1.0**	**Total found**	**Total found**
2006	**4/29/2006**	**Lake Wood**	1	**on left of boat ramp in the Lake Wood State Park**	**29°28.252 N**	**97°29.696 W**		**0.3-1.0**	**Total species found**	**Total species found**
2005	7/21/2005	Inks Lake	1	Inks Lake state park; Bay just S from Public boat ramp	not recorded	not recorded	Burnet	0.2-2.0	*Quadrula apiculata*	Southern mapleleaf
2005	7/21/2005	Inks Lake	1	Inks Lake state park; Bay just S from Public boat ramp	not recorded	not recorded	Burnet	0.2-2.0	*Cyrtonaias tampicoensis*	Tampico pearlymussel

2005	**7/21/2005**	**Inks Lake**	**1**	**Inks Lake state park; Bay just S from Public boat ramp**	**not recorded**	**not recorded**	**Burnet**	**0.2-2.0**	**Total found**	**Total found**
2005	**7/21/2005**	**Inks Lake**	**1**	**Inks Lake state park; Bay just S from Public boat ramp**	**not recorded**	**not recorded**	**Burnet**	**0.2-2.0**	**Total species found**	**Total species found**
2005	7/14/2005	Lake Arrowhead	3	3 sites total (City Park, north shore boat ramp (1); East shore, end of Pawnee trail (2); R 172 bridge (Deer creek) (3))	not recorded	not recorded	Clay	0.1-1.5	*Quadrula quadrula*	Mapleleaf
2005	7/14/2005	Lake Arrowhead	3	3 sites total (City Park, north shore boat ramp (1); East shore, end of Pawnee trail (2); R 172 bridge (Deer creek) (3))	not recorded	not recorded	Clay	0.1-1.5	*Utterbackia imbecillis*	Pond papershell
2005	**7/14/2005**	**Lake Arrowhead**	**3**	**3 sites total (City Park, north shore boat ramp (1); East shore, end of Pawnee trail (2); R 172 bridge (Deer creek) (3))**	**not recorded**	**not recorded**	Clay	0.1-1.5	**Total found**	**Total found**
2005	**7/14/2005**	**Lake Arrowhead**	**3**	**3 sites total (City Park, north shore boat ramp (1); East shore, end of Pawnee trail (2); R 172 bridge (Deer creek) (3))**	**not recorded**	**not recorded**	Clay	0.1-1.5	**Total species found**	**Total species found**

2005	7/25/2005	Lake Brownwood	5	5 sites total	not recorded	not recorded	Brownwood	0.1-2.5	Amblema plicata	Threeridge
2005	7/25/2005	Lake Brownwood	5	5 sites total	not recorded	not recorded	Brownwood	0.1-2.5	Pyganodon grandis	Giant floater
2005	7/25/2005	Lake Brownwood	5	5 sites total	not recorded	not recorded	Brownwood	0.1-2.5	Leptodea fragilis	Fragile papershell
2005	7/25/2005	Lake Brownwood	5	5 sites total	not recorded	not recorded	Brownwood	0.1-2.5	*Quadrula apiculata*	Mapleleaf
2005	7/25/2005	Lake Brownwood	5	5 sites total	not recorded	not recorded	Brownwood	0.1-2.5	Potamilus purpuratus	Bluefer
2005	7/25/2005	Lake Brownwood	5	5 sites total	not recorded	not recorded	Brownwood	0.1-2.5	Utterbackia imbecillis	Pond papershell

2005	**7/25/2005**	**Lake Brownwood**	5	5 sites total	not recorded	not recorded	**Brownwood**	**0.1-2.5**	**Total found**	**Total found**
2005	**7/25/2005**	**Lake Brownwood**	5	5 sites total	not recorded	not recorded	**Brownwood**	**0.1-2.5**	**Total species found**	**Total species found**
2005	7/21/2005	Lake Buchanan	3	3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))	not recorded	not recorded	Burnet	0.3-2.0	*Pyganodon grandis*	Giant floater
2005	7/21/2005	Lake Buchanan	3	3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))	not recorded	not recorded	Burnet	0.3-2.0	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	7/21/2005	Lake Buchanan	3	3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))	not recorded	not recorded	Burnet	0.3-2.0	*Amblema plicata*	Threeridge
2005	7/21/2005	Lake Buchanan	3	3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))	not recorded	not recorded	Burnet	0.3-2.0	*Quadrula apiculata*	Southern mapleleaf

2005	**7/21/2005**	**Lake Buchanan**	**3**	**3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))**	**not recorded**	**not recorded**	**Burnet**	**0.3-2.0**	**Total found**	**Total found**
2005	**7/21/2005**	**Lake Buchanan**	**3**	**3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))**	**not recorded**	**not recorded**	**Burnet**	**0.3-2.0**	**Total species found**	**Total species found**
2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Quadrula apiculata*	Southern mapleleaf
2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Quadrula aurea*	Golden orb
2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Lampsilis teres*	Yellow sandshell

2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Pyganodon grandis*	Giant floater
2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Toxolasma texasensis*	Texas lilliput
2005	12/18/2005	Lake Corpus Cristi	4	4 sites total (End of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR 371 -	not recorded	not recorded	Live Oak	0-0.5	*Amblema plicata*	Threeridge
2005	**12/18/2005**	**Lake Corpus Cristi**	4	**of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR**	**not recorded**	**not recorded**	**Live Oak**	**0-0.5**	**Total found**	**Total found**
2005	**12/18/2005**	**Lake Corpus Cristi**	4	**of Rd 888 peninsula; North of Site 1, same peninsula, neigborhood; KAO Kamp, CR**	**not recorded**	**not recorded**	**Live Oak**	**0-0.5**	**Total species found**	**Total species found**
2005	7/23/2005	Lake Corpus Cristi	3	3 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Lampsilis teres*	Yellow sandshell

2005	7/23/2005	Lake Corpus Cristi	3	5 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	7/23/2005	Lake Corpus Cristi	3	5 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Toxolasma texasensis*	Texas lilliput
2005	7/23/2005	Lake Corpus Cristi	3	5 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Pyganodon grandis*	Giant floater
2005	7/23/2005	Lake Corpus Cristi	3	5 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Quadrula apiculata*	Southern mapleleaf
2005	7/23/2005	Lake Corpus Cristi	3	5 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Utterbackia imbecillis*	Pond papershell
2005	7/23/2005	Lake Corpus Cristi	3	5 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Quadrula aurea*	Golden orb

2005	7/23/2005	Lake Corpus Cristi	3	3 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -	28.20449 N	97.90160 W	Live Oak	0.25-0.6	*Potamilus purpuratus*	Bluefer
2005	**7/23/2005**	**Lake Corpus Cristi**	3	**of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -**	**28.20449 N**	**97.90160 W**	**Live Oak**	**0.25-0.6**	**Total found**	**Total found**
2005	**7/23/2005**	**Lake Corpus Cristi**	3	**of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 -**	**28.20449 N**	**97.90160 W**	**Live Oak**	**0.25-0.6**	**Total species found**	**Total species found**
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W		0.5-1.2	*Lampsilis teres*	Yellow sandshell
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W		0.5-1.2	*Pyganodon grandis*	Giant floater
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W		0.5-1.2	*Lampsilis hydiana*	Louisiana Fatmucket

2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W	0.5-1.2	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W	0.5-1.2	*Quadrula apiculata*	Southern Mapleleaf
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W	0.5-1.2	*Toxolasma texasensis*	Texas lilliput
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W	0.5-1.2	*Megalonaias nervosa*	Washboard
2006	4/28/2006	Lake Gonzales	1	South side of islands	29°30.118 N	97°37.642 W	0.5-1.2	*Amblema plicata*	Threeridge
2006	**4/28/2006**	**Lake Gonzales**	**1**	**South side of islands**	**29°30.118 N**	**97°37.642 W**	**0.5-1.2**	**Total found**	**Total found**

2006	**4/28/2006**	**Lake Gonzales**	1	**South side of islands**	**29°30.118 N**	**97°37.642 W**		**0.5-1.2**	**Total species found**	**Total species found**
2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Amblema plicata*	Threeridge
2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Lampsilis teres*	Yellow sandshell
2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Pyganodon grandis*	Giant floater
2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Quadrula apiculata*	Southern mapleleaf

2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Quadrula aurea*	Golden orb
2006	5/6/2006	Lake Corpus Cristi	4	4 sites total	not recorded	not recorded	Live Oak, San Patricio	0.1-1.2	*Toxolasma texasensis*	Texas lilliput
2006	**5/6/2006**	**Lake Corpus Cristi**	4	**4 sites total**	**not recorded**	**not recorded**	**Live Oak, San Patricio**	**0.1-1.2**	**Total found**	**Total found**
2006	**5/6/2006**	**Lake Corpus Cristi**	4	**4 sites total**	**not recorded**	**not recorded**	**Live Oak, San Patricio**	**0.1-1.2**	**Total species found**	**Total species found**
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Amblema plicata*	Threeridge
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Megalonaias nervosa*	Washboard

2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Plectomerus dombeyanus*	Bankclimber
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Pyganodon grandis*	Giant floater
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Potamilus purpuratus*	Bluefer
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Truncilla truncata*	Deertoe
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Quadrula apiculata*	Southern mapleleaf
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Lampsilis hydiana*	Louisiana fatmucket

2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Leptodea fragilis*	Fragile papershell
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Lampsilis teres*	Yellow sandshell
2005	10/7/2005	Lake Houston	1	East side of largest island	30°01.200N	095°08.100W	Harris	1.2-1.4	*Quadrula mortoni*	Western Pimpleback
2005	**10/7/2005**	**Lake Houston**	1	**East side of largest island**	**30°01.200N**	**095°08.100W**	**Harris**	**1.2-1.4**	**Total found**	**Total found**
2005	**10/7/2005**	**Lake Houston**	1	**East side of largest island**	**30°01.200N**	**095°08.100W**	**Harris**	**1.2-1.4**	**Total species found**	**Total species found**
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Utterbackia imbecillis*	Pond papershell

2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Potamilus ohiensis*	Pink papershell
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Toxolasma parvus*	Lilliput
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Amblema plicata*	Threeridge
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Quadrula mortoni*	Western pimpleback
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Lampsilis hydiana*	Louisiana fatmucket
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Quadrula apiculata*	Southern mapleleaf

2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Pyganodon grandis*	Giant floater
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Anodonta suborbiculata*	Flat floater
2005	7/11/2005	Lake Lewisville	6	6 sites total	not recorded	not recorded	Denton	0.2-2.0	*Leptodea fragilis*	Fragile papershell
2005	**7/11/2005**	**Lake Lewisville**	6	**6 sites total**	**not recorded**	**not recorded**	**Denton**	**0.2-2.0**	**Total found**	**Total found**
2005	**7/11/2005**	**Lake Lewisville**	6	**6 sites total**	**not recorded**	**not recorded**	**Denton**	**0.2-2.0**	**Total species found**	**Total species found**
2005	11/26/2005	Lake Lewisville	5	5 sites total (low water)	not recorded	not recorded	Denton	0-0.5	*Quadrula apiculata*	Southern mapleleaf

2005	11/26/2005	Lake Lewisville	5	5 sites total (low water)	not recorded	not recorded	Denton	0-0.5	*Leptodea fragilis*	Fragile papershell
2005	11/26/2005	Lake Lewisville	5	5 sites total (low water)	not recorded	not recorded	Denton	0-0.5	*Pyganodon grandis*	Giant floater
2005	11/26/2005	Lake Lewisville	5	5 sites total (low water)	not recorded	not recorded	Denton	0-0.5	*Lampsilis hydiana*	Louisiana fatmucket
2005	11/26/2005	Lake Lewisville	5	5 sites total (low water)	not recorded	not recorded	Denton	0-0.5	*Quadrula mortoni*	Western pimpleback
2005	11/26/2005	Lake Lewisville	5	5 sites total (low water)	not recorded	not recorded	Denton	0-0.5	*Amblema plicata*	Threeridge
2005	**11/26/2005**	**Lake Lewisville**	5	**5 sites total (low water)**	**not recorded**	**not recorded**	**Denton**	**0-0.5**	**Total found**	**Total found**

2005	**11/26/2005**	**Lake Lewisville**	5	**5 sites total (low water)**	**not recorded**	**not recorded**	**Denton**	**0-0.5**	**Total species found**	**Total species found**
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Pyganodon grandis*	Giant floater
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Lampsilis teres*	Yellow sandshell
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Quadrula apiculata*	Southern mapleleaf
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Obliquaria reflexa*	Threehorn wartyback
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Leptodea fragilis*	Fragile papershell

2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Toxolasma texasensis*	Texas lilliput
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Plectomerus dombeyanus*	Bankclimber
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Potamilus amphichaenus*	Texas heelsplitter
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Amblema plicata*	Threeridge
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Anodonta suborbiculata*	Flat floater
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Quadrula mortoni*	Western pimpleback

2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Quadrula nobilis*	Gulf mapleleaf
2005	10/6/2005	Lake Livingston	5	5 sites total (reservoir was drained after the Hurricane Rita)	30°49.500N	095°05.343W	Polk, San Jacinto	0-0.5	*Potamilus purpuratus*	Bluefer
2005	**10/6/2005**	**Lake Livingston**	**5**	**5 sites total (reservoir was drained after the Hurricane Rita)**	**30°49.500N**	**095°05.343W**	**Polk, San Jacinto**	**0-0.5**	**Total found**	**Total found**
2005	**10/6/2005**	**Lake Livingston**	**5**	**5 sites total (reservoir was drained after the Hurricane Rita)**	**30°49.500N**	**095°05.343W**	**Polk, San Jacinto**	**0-0.5**	**Total species found**	**Total species found**
2005	7/20/2005	Nasworthy Reservoir	2	2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))	not recorded	not recorded	Tom Green	0.2-3.0	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	7/20/2005	Nasworthy Reservoir	2	2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))	not recorded	not recorded	Tom Green	0.2-3.0	*Quadrula apiculata*	Southern mapleleaf

2005	7/20/2005	Nasworthy Reservoir	2	2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))	not recorded	not recorded	Tom Green	0.2-3.0	*Potamilus purpuratus*	Bluefer
2005	7/20/2005	Nasworthy Reservoir	2	2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))	not recorded	not recorded	Tom Green	0.2-3.0	*Leptodea fragilis*	Fragile papershell
2005	7/20/2005	**Naswort hy Reservoi r**	**2**	**2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))**	**not recorded**	**not recorded**	**Tom Green**	**0.2-3.0**	**Total found**	**Total found**
2005	7/20/2005	**Naswort hy Reservoi r**	**2**	**2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))**	**not recorded**	**not recorded**	**Tom Green**	**0.2-3.0**	**Total species found**	**Total species found**
2005	7/20/2005	Concho River	1	Concho Park	not recorded	not recorded	Tom Green	0.2-3.0	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	7/20/2005	Concho River	1	Concho Park	not recorded	not recorded	Tom Green	0.2-3.0	*Quadrula apiculata*	Southern mapleleaf

2005	7/20/2005	Concho River	1	Concho Park	not recorded	not recorded	Tom Green	0.2-3.0	*Potamilus purpuratus*	Bluefer
2005	7/20/2005	Concho River	1	Concho Park	not recorded	not recorded	Tom Green	0.2-3.0	*Pyganodon grandis*	Giant floater
2005	**7/20/2005**	**Concho River**	**1**	**Concho Park**	**not recorded**	**not recorded**	**Tom Green**	**0.2-3.0**	**Total found**	**Total found**
2005	**7/20/2005**	**Concho River**	**1**	**Concho Park**	**not recorded**	**not recorded**	**Tom Green**	**0.2-3.0**	**Total species found**	**Total species found**
2005	7/13/2005	Lake Wichita	3	3 sites total (East side, Clipper Ln, city boat ramp (1); South shore city park, end of Fairway Blvd (2); dam, end of city	not recorded	not recorded	Wichita	0.2-1.5	*Quadrula quadrula*	Mapleleaf
2005	7/13/2005	Lake Wichita	3	3 sites total (East side, Clipper Ln, city boat ramp (1); South shore city park, end of Fairway Blvd (2); dam, end of city	not recorded	not recorded	Wichita	0.2-1.5	*Leptodea fragilis*	Fragile papershell

2005	7/13/2005	Lake Wichita	3	3 sites total (East side, Clipper Ln, city boat ramp (1); South shore city park, end of Fairway Blvd (2); dam, end of city	not recorded	not recorded	Wichita	0.2-1.5	*Potamilus ohiensis*	Pink papershell
2005	**7/13/2005**	**Lake Wichita**	**3**	**side, Clipper Ln, city boat ramp (1); South shore city park, end of Fairway Blvd (2); dam, end of city**	**not recorded**	**not recorded**	**Wichita**	**0.2-1.5**	**Total found**	**Total found**
2005	**7/13/2005**	**Lake Wichita**	**3**	**side, Clipper Ln, city boat ramp (1); South shore city park, end of Fairway Blvd (2); dam, end of city**	**not recorded**	**not recorded**	**Wichita**	**0.2-1.5**	**Total species found**	**Total species found**
2005	7/15/2005	Live Oak Creek	1	Lady Bird Johnson Park, close to Kerrville	not recorded	not recorded	Gillespie	0.1-1.5	*Lampsilis bracteata*	Texas fatmucket
2005	7/15/2005	Live Oak Creek	1	Lady Bird Johnson Park, close to Kerrville	not recorded	not recorded	Gillespie	0.1-1.5	*Utterbackia imbecillis*	Pond papershell
2005	**7/15/2005**	**Live Oak Creek**	**1**	**Lady Bird Johnson Park, close to Kerrville**	**not recorded**	**not recorded**	**Gillespie**	**0.1-1.5**	**Total found**	**Total found**

2005	**7/15/2005**	**Live Oak Creek**	**1**	**Lady Bird Johnson Park, close to Kerrville**	**not recorded**	**not recorded**	**Gillespie**	**0.1- 1.5**	**Total species found**
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1- 0.5	*Amblema plicata*
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1- 0.5	*Leptodea fragilis*
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1- 0.5	*Potamilus purpuratus*
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1- 0.5	*Quadrula apiculata*
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1- 0.5	*Tritogonia verrucosa*

Fragile papershell	
Bluefer	
Southern mapleleaf	
Pistolgrip	

2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Lampsilis teres*	Yellow sandshell
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Truncilla donaciformis*	Fawnsfoot
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Potamilus amphichaenus*	Texas heelsplitter
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Lampsilis satura*	Sandbank pocketbook
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula nobilis*	Gulf Mapleleaf
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula nodulata*	Wartyback

2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Truncilla truncata*	Deertoe
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Obliquaria reflexa*	Threehorn wartyback
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Arcidens confragosus*	Rock pocketbook
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula mortoni*	Western Pimpleback
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Plectomerus dombeyanus*	Bankclimber
2005	10/28/2005	Neches River	1	500m Below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Megalonaias nervosa*	Washboard

2005	**10/28/2005**	**Neches River**	**1**	**500m Below Town Bluff Dam**	**30°47.567N**	**094°10.079W**	**Jasper, Tyler**	**0.1-0.5**	**Total found**	**Total found**
2005	**10/28/2005**	**Neches River**	**1**	**500m Below Town Bluff Dam**	**30°47.567N**	**094°10.079W**	**Jasper, Tyler**	**0.1-0.5**	**Total species found**	**Total species found**
2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Obliquaria reflexa*	Threehorn wartyback
2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Quadrula quadrula*	Mapleleaf
2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Potamilus ohiensis*	Pink papershell
2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Leptodea fragilis*	Fragile papershell

2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Potamilus purpuratus*	Bluefer
2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Pyganodon grandis*	Giant floater
2005	10/23/2005	Pat Mayse Reservoir	2	east side near dam, SH 906	not recorded	not recorded	Lamar	0-0.2	*Utterbackia imbecillis*	Pond papershell
2005	**10/23/2005**	**Pat Mayse Reservoir**	**2**	**east side near dam, SH 906**	**not recorded**	**not recorded**	**Lamar**	**0-0.2**	**Total found**	**Total found**
2005	**10/23/2005**	**Pat Mayse Reservoir**	**2**	**east side near dam, SH 906**	**not recorded**	**not recorded**	**Lamar**	**0-0.2**	**Total species found**	**Total species found**
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Lampsilis teres*	Yellow sandshell

2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Lasmigona complanata*	White heelsplitter
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Potamilus purpuratus*	Bluefer
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Leptodea fragilis*	Fragile papershell
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Tritogonia verrucosa*	Pistolgrip
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Obliquaria reflexa*	Threehorn wartyback
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula quadrula*	Mapleleaf

2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula pustulosa*	Pimpleback
2005	7/9/2005	Pine Creek	2	FM 906 crossing, first bridge, 2 sites: downstream and upstream	not recorded	not recorded	Lamar	0.1-1.2	*Truncilla truncata*	Deertoe
2005	**7/9/2005**	**Pine Creek**	**2**	**FM 906 crossing, first bridge, 2 sites: downstream and upstream**	**not recorded**	**not recorded**	**Lamar**	**0.1-1.2**	**Total found**	**Total found**
2005	**7/9/2005**	**Pine Creek**	**2**	**FM 906 crossing, first bridge, 2 sites: downstream and upstream**	**not recorded**	**not recorded**	**Lamar**	**0.1-1.2**	**Total species found**	**Total species found**
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Tritogonia verrucosa*	Pistolgrip
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Quadrula apiculata*	Southern mapleleaf

2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Obliquaria reflexa*	Threehorn wartyback
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Quadrula mortoni*	Western pimpleback
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Leptodea fragilis*	Fragile papershell
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Lampsilis teres*	Yellow sandshell
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Potamilus purpuratus*	Bluefer
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Potamilus amphichaenus*	Texas heelsplitter

2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Amblema plicata*	Threeridge
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Pyganodon grandis*	Giant floater
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Fusconaia askewi*	Texas pigtoe
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Plectomerus dombeyanus*	Bankclimber
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Truncilla truncata*	Deertoe
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Lampsilis satura*	Sandbank pocketbook

2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Utterbackia imbecillis*	Pond papershell
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Lampsilis hydiana*	Louisiana fatmucket
2005	9/18/2005	Sabine River	1	SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2	32°22.184N	094°27.466W	Panola	0.3-0.8	*Megalonaias nervosa*	Washboard
2005	**9/18/2005**	**Sabine River**	**1**	**SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2**	**32°22.184N**	**094°27.466W**	**Panola**	**0.3-0.8**	**Total found**	**Total found**
2005	**9/18/2005**	**Sabine River**	**1**	**SR 43 crossing, Mussel bed (northeast side of bridge), former site # 2**	**32°22.184N**	**094°27.466W**	**Panola**	**0.3-0.8**	**Total species found**	**Total species found**
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Lampsilis teres*	Yellow sandshell

2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Amblema plicata*	Threeridge
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Quadrula aurea*	Golden orb
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Tritogonia verrucosa*	Pistolgrip
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Quadrula petrina*	Texas pimpleback
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Lampsilis hydiana*	Louisiana fatmucket

									False Spike
2005	7/27/2005	San Marcos River	1	Palmetto State Park (Low water crossing)	not recorded	not recorded	Gonzales	0.2-2.0	*Quincuncina mitchelli*
2005	**7/27/2005**	**San Marcos River**	**1**	**Palmetto State Park (Low water crossing)**	**not recorded**	**not recorded**	**Gonzales**	**0.2-2.0**	**Total found**	**Total found**
2005	**7/27/2005**	**San Marcos River**	**1**	**Palmetto State Park (Low water crossing)**	**not recorded**	**not recorded**	**Gonzales**	**0.2-2.0**	**Total species found**	**Total species found**
2005	7/20/2005	San Saba River	1	West of Menard; Beven S. River Road	not recorded	not recorded	Menard	0.1-1.2	*Tritogonia verrucosa*	Pistolgrip
2005	7/20/2005	San Saba River	1	West of Menard; Beven S. River Road	not recorded	not recorded	Menard	0.1-1.2	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2005	7/20/2005	San Saba River	1	West of Menard; Beven S. River Road	not recorded	not recorded	Menard	0.1-1.2	*Lampsilis bracteata*	Texas fatmucket

2005	7/20/2005	San Saba River	1	West of Menard; Beven S. River Road	not recorded	not recorded	Menard	0.1-1.2	*Amblema plicata*	Threeridge
2005	7/20/2005	San Saba River	1	West of Menard; Beven S. River Road	not recorded	not recorded	Menard	0.1-1.2	*Quadrula apiculata*	Southern mapleleaf
2005	7/20/2005	San Saba River	1	West of Menard; Beven S. River Road	not recorded	not recorded	Menard	0.1-1.2	*Utterbackia imbecillis*	Pond papershell
2005	**7/20/2005**	**San Saba River**	**1**	**West of Menard; Beven S. River Road**	**not recorded**	**not recorded**	**Menard**	**0.1-1.2**	**Total found**	**Total found**
2005	**7/20/2005**	**San Saba River**	**1**	**West of Menard; Beven S. River Road**	**not recorded**	**not recorded**	**Menard**	**0.1-1.2**	**Total species found**	**Total species found**
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Lampsilis teres*	Yellow sandshell

2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Pyganodon grandis*	Giant floater
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Amblema plicata*	Threeridge
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Lasmigona complanata*	White heelsplitter
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Potamilus purpuratus*	Bluefer
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Leptodea fragilis*	Fragile papershell
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Truncilla truncata*	Deertoe

2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Obliquaria reflexa*	Treehorn wartyback
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula quadrula*	Mapleleaf
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula nodulata*	Wartyback
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula pustulosa*	Pimpleback
2005	7/9/2005	Sanders Creek	1	Below Pat Mayes Lake	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula apiculata*	Southern mapleleaf
2005	**7/9/2005**	**Sanders Creek**	**1**	**Below Pat Mayes Lake**	**not recorded**	**not recorded**	**Lamar**	**0.1-1.2**	**Total found**	**Total found**

2005	**7/9/2005**	**Sanders Creek**	**1**	**Below Pat Mayes Lake**	**not recorded**	**not recorded**	**Lamar**	**0.1-1.2**	**Total species found**	**Total species found**
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Leptodea fragilis*	Fragile papershell
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Obliquaria reflexa*	Threehorn wartyback
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Potamilus purpuratus*	Bluefer
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Lampsilis teres*	Yellow sandshell
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula quadrula*	Mapleleaf

2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Megalonaias nervosa*	Washboard
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Lasmigona complanata*	White heelsplitter
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Tritogonia verrucosa*	Pistolgrip
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Truncilla truncata*	Deertoe
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Pyganodon grandis*	Giant floater
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula nodulata*	Wartyback

2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Potamilus ohiensis*	Pink papershell
2005	10/23/2005	Sanders Creek	1	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	not recorded	not recorded	Lamar	0.1-1.2	*Quadrula apiculata*	Southern mapleleaf
2005	**10/23/2005**	**Sanders Creek**	**1**	**below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full**	**not recorded**	**not recorded**	**Lamar**	**0.1-1.2**	**Total found**	**Total found**
2005	**10/23/2005**	**Sanders Creek**	**1**	**below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full**	**not recorded**	**not recorded**	**Lamar**	**0.1-1.2**	**Total species found**	**Total species found**
2005	8/16/2005	Sabine River	1	US 59 crossing, under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Lampsilis teres*	Yellow sandshell
2005	8/16/2005	Sabine River	1	US 59 crossing, under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Tritogonia verrucosa*	Pistolgrip

2005	8/16/2005	Sabine River	US 59 crossing, 1 under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Potamilus purpuratus*	Bluefer
2005	8/16/2005	Sabine River	US 59 crossing, 1 under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Potamilus amphichaenus*	Texas heelsplitter
2005	8/16/2005	Sabine River	US 59 crossing, 1 under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Utterbackia imbecillis*	Pond papershell
2005	8/16/2005	Sabine River	US 59 crossing, 1 under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2005	8/16/2005	Sabine River	US 59 crossing, 1 under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Leptodea fragilis*	Fragile papershell
2005	8/16/2005	Sabine River	US 59 crossing, 1 under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Quadrula mortoni*	Western pimpleback

2005	8/16/2005	Sabine River	1	US 59 crossing, under the bridge	32.32790N	94.35292 W	Harrison, Panola	0.2-1.5	*Fusconaia askewi*	Texas pigtoe
2005	**8/16/2005**	**Sabine River**	**1**	**US 59 crossing, under the bridge**	**32.32790N**	**94.35292 W**	**Harrison, Panola**	**0.2-1.5**	**Total found**	**Total found**
2005	**8/16/2005**	**Sabine River**	**1**	**US 59 crossing, under the bridge**	**32.32790N**	**94.35292 W**	**Harrison, Panola**	**0.2-1.5**	**Total species found**	**Total species found**
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Lampsilis teres*	Yellow sandshell
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Tritogonia verrucosa*	Pistolgrip
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Potamilus purpuratus*	Bluefer

2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Potamilus amphichaenus*	Texas heelsplitter
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Quadrula apiculata*	Southern mapleleaf
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Leptodea fragilis*	Fragile papershell
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Quadrula mortoni*	Western pimpleback
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Obliquaria reflexa*	Threehorn wartyback

2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Arcidens confragosus*	Rock pocketbook
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Megalonaias nervosa*	Washboard
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Amblema plicata*	Threeridge
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Lampsilis satura*	Sandbank pocketbook
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Fusconaia askewi*	Texas pigtoe
2005	8/16/2005	Sabine River	1	SR 43 crossing, northeast side of bridge	32°22.184N	094°27.466W	Panola	0.2-1.5	*Plectomerus dombeyanus*	Bankclimber

2005	**8/16/2005**	**Sabine River**	**1**	**SR 43 crossing, northeast side of bridge**	**32°22.184N**	**094°27.466W**	**Panola**	**0.2-1.5**	**Total found**	**Total found**
2005	**8/16/2005**	**Sabine River**	**1**	**SR 43 crossing, northeast side of bridge**	**32°22.184N**	**094°27.466W**	**Panola**	**0.2-1.5**	**Total species found**	**Total species found**
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Amblema plicata*	Threeridge
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Quadrula mortoni*	Western Pimpleback
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Pyganodon grandis*	Giant floater
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Lampsilis teres*	Yellow teres

2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Tritogonia verrucosa*	Pistolgrip
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Potamilus purpuratus*	Bluefer
2005	9/2/2005	Sandy Creek	2	above and below the bridge on CR 2913	not recorded	not recorded	San Augustine	0.2-1.5	*Fusconaia lananensis*	Triangle Pigtoe
2005	**9/2/2005**	**Sandy Creek**	**2**	**above and below the bridge on CR 2913**	**not recorded**	**not recorded**	**San Augustine**	**0.2-1.5**	**Total found**	**Total found**
2005	**9/2/2005**	**Sandy Creek**	**2**	**above and below the bridge on CR 2913**	**not recorded**	**not recorded**	**San Augustine**	**0.2-1.5**	**Total species found**	**Total species found**

2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Pyganodon grandis*	Giant floater
2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Utterbackia imbecillis*	Pond papershell
2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Toxolasma texasensis*	Texas lilliput
2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Quadrula apiculata*	Southern mapleleaf
2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Potamilus purpuratus*	Bluefer
2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Lampsilis teres*	Yellow sandshell

2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Amblema plicata*	Threeridge
2005	11/25/2005	Sommer ville Lake	6	Six sites across the reservoir at drawdown	not recorded	not recorded	Washington, Lee, Burleson	0.1- 0.5	*Leptodea fragilis*	Fragile papershell
2005	**11/25/2005**	**Sommer ville Lake**	**6**	**Six sites across the reservoir at drawdown**	**not recorded**	**not recorded**	**Washington, Lee, Burleson**	**0.1- 0.5**	**Total found**	**Total found**
2005	**11/25/2005**	**Sommer ville Lake**	**6**	**Six sites across the reservoir at drawdown**	**not recorded**	**not recorded**	**Washington, Lee, Burleson**	**0.1- 0.5**	**Total species found**	**Total species found**
2005	7/20/2005	Spring Creek	1	Foster Park (tributaries of Twins Reservoir), above and below dam	not recorded	not recorded	Tom Green	0.1- 1.5	*Lampsilis bracteata*	Texas fatmucket
2005	**7/20/2005**	**Spring Creek**	**1**	**Foster Park (tributaries of Twins Reservoir), above and below dam**	**not recorded**	**not recorded**	**Tom Green**	**0.1- 1.5**	**Total found**	**Total found**

2005	**7/20/2005**	**Spring Creek**	**1**	**Foster Park (tributaries of Twins Reservoir), above and below dam**	**not recorded**	**not recorded**	**Tom Green**	**0.1-1.5**	**Total species found**	**Total species found**
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Leptodea fragilis*	Fragile papershell
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Lampsilis teres*	Yellow sandshell
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Potamilus purpuratus*	Bluefer
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Quadrula mortoni*	Western pimpleback

2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Obliquaria reflexa*	Threehorn wartyback
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Plectomerus dombeyanus*	Bankclimber
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Amblema plicata*	Threeridge
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Quadrula apiculata*	Southern mapleleaf
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Fusconaia lananensis*	Triangle pigtoe
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Fusconaia askewi*	Texas pigtoe

2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Pleurobema riddelli*	Louisiana pigtoe
										Texas Lilliput
2005	9/3/2005	Village Creek	1	FM 418 crossing, 50 m from the road, north shore, Site 1	not recorded	not recorded	Hardin	0.2-1.5	*Toxolasma texasensis*	
2005	**9/3/2005**	**Village Creek**	**1**	**FM 418 crossing, 50 m from the road, north shore, Site 1**	**not recorded**	**not recorded**	**Hardin**	**0.2-1.5**	**Total found**	**Total found**
2005	**9/3/2005**	**Village Creek**	**1**	**FM 418 crossing, 50 m from the road, north shore, Site 1**	**not recorded**	**not recorded**	**Hardin**	**0.2-1.5**	**Total species found**	**Total species found**
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Lampsilis teres	Yellow sandshell
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Potamilus purpuratus	Bluefer

2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	*Lampsilis hydiana*	Louisiana fatmucket
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Quadrula mortoni	Western pimpleback
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Obliquaria reflexa	Threehorn wartyback
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Plectomerus dombeyanus	Bankclimber
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	*Amblema plicata*	Threeridge
2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Quadrula apiculata	Southern mapleleaf

2005	9/4/2005	Village Creek	1	SH 327 crossing, Site 2	30°20.816N	094°14.353W	Hardin	0.2-1.5	Pleurobema riddelli	Louisiana pigtoe
2005	**9/4/2005**	**Village Creek**	**1**	**SH 327 crossing, Site 2**	**30°20.816N**	**094°14.353W**	**Hardin**	**0.2-1.5**	**Total found**	**Total found**
2005	**9/4/2005**	**Village Creek**	**1**	**SH 327 crossing, Site 2**	**30°20.816N**	**094°14.353W**	**Hardin**	**0.2-1.5**	**Total species found**	**Total species found**
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Lampsilis teres*	Yellow sandshell
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Potamilus purpuratus*	Bluefer
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Lampsilis hydiana*	Louisiana fatmucket

2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Tritogonia verrucosa*	Pistolgrip
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Quadrula mortoni*	Western pimpleback
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Obliquaria reflexa*	Threehorn wartyback
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Plectomerus dombeyanus*	Bankclimber
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Amblema plicata*	Threeridge
2005	9/5/2005	Village Creek	1	US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Fusconaia lananensis*	Triangle pigtoe

2005	9/5/2005	Village Creek	1 US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Fusconaia askewi*	Texas pigtoe
2005	9/5/2005	Village Creek	1 US 96, Site 3	30°17.105N	094°11.488W	Hardin	0.5-1.0	*Pleurobema riddelli*	Louisiana pigtoe
2005	**9/5/2005**	**Village Creek**	**1 US 96, Site 3**	**30°17.105N**	**094°11.488W**	**Hardin**	**0.5-1.0**	**Total found**	**Total found**
2005	**9/5/2005**	**Village Creek**	**1 US 96, Site 3**	**30°17.105N**	**094°11.488W**	**Hardin**	**0.5-1.0**	**Total species found**	**Total species found**
2006	2-Sep-06	Cibolo Creek	5 CR 231 crossing	29.017616	--97.9201160	Karnes	0.2-1.0	*Amblema plicata*	Threeridge
2006	2-Sep-06		5 CR 231 crossing	29.017616	--97.9201160	Karnes	0.2-1.0	*Lampsilis sp.*	Fatmucket

		Cibolo Creek							
2006	2-Sep-06	Cibolo Creek	5 CR 231 crossing	29.017616	--97.9201160	Karnes	0.2-1.0	*Lampsilis teres*	Yellow Sandshell
2006	2-Sep-06	Cibolo Creek	5 CR 231 crossing	29.017616	--97.9201160	Karnes	0.2-1.0	*Megalonaias nervosa*	Washboard
2006	2-Sep-06	Cibolo Creek	5 CR 231 crossing	29.017616	--97.9201160	Karnes	0.2-1.0	*Quadrula apiculata*	Southern Mapleleaf
2006	**2-Sep-06**	**Cibolo Creek**	**5 CR 231 crossing**	**29.017616**	**--97.9201160**	**Karnes**	**0.2-1.0**	**Total found**	**Total found**
2006	**2-Sep-06**	Cibolo Creek	**5 CR 231 crossing**	**29.017616**	**--97.9201160**	**Karnes**	**0.2-1.0**	**Total species found**	**Total species found**
2006	1-Sep-06		5 FM 537 crossing	29.16995	-97.9947000	Wilson	0.2-0.5	*Amblema plicata*	Threeridge

		Cibolo Creek							
2006	1-Sep-06	Cibolo Creek	5 FM 537 crossing	29.16995	-97.9947000	Wilson	0.2-0.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	1-Sep-06	Cibolo Creek	5 FM 537 crossing	29.16995	-97.9947000	Wilson	0.2-0.5	*Lampsilis teres*	Yellow Sandshell
2006	1-Sep-06	Cibolo Creek	5 FM 537 crossing	29.16995	-97.9947000	Wilson	0.2-0.5	*Plectomerus dombeyanus*	Bankclimber
2006	1-Sep-06	Cibolo Creek	5 FM 537 crossing	29.16995	-97.9947000	Wilson	0.2-0.5	*Quadrula aurea*	Golden Orb
2006	**1-Sep-06**	**Cibolo Creek**	**5 FM 537 crossing**	**29.16995**	**-97.9947000**	**Wilson**	**0.2-0.5**	**Total found**	**Total found**
2006	**1-Sep-06**		**5 FM 537 crossing**	**29.16995**	**-97.9947000**	**Wilson**	**0.2-0.5**	**Total species found**	**Total species found**

		Cibolo Creek							
2007	1-Jun-07	Cibolo Creek	1	FM 887 crossing	29.04607	-97.9482200	Karnes	0.2-0.8	*Lampsilis teres*	Yellow Sandshell
2007	1-Jun-07	**Cibolo Creek**	1	FM 887 crossing	29.04607	-97.9482200	Karnes	0.2-0.8	*Quadrula aurea*	Golden Orb
2007	**1-Jun-07**	**Cibolo Creek**	**1**	**FM 887 crossing**	**29.04607**	**-97.9482200**	**Karnes**	**0.2-0.8**	**Total found**	**Total found**
2007	**1-Jun-07**		**1**	**FM 887 crossing**	**29.04607**	**-97.9482200**	**Karnes**	**0.2-0.8**	**Total species found**	**Total species found**
2006	23-Sep-06	Brazos River	2	US 79 crossing, under the bridge	30.82735	-96.6508000	Milam, Robertson	0.2-0.7	*Lampsilis teres*	Yellow Sandshell
2006	23-Sep-06	Brazos River	2	US 79 crossing, under the bridge	30.82735	-96.6508000	Milam, Robertson	0.2-0.7	*Cyrtonaias tampicoensis*	Tampico Pearlymussel

2006	23-Sep-06	Brazos River	2	US 79 crossing, under the bridge	30.82735	-96.6508000	Milam, Robertson	0.2-0.7	*Amblema plicata*	Threeridge
2006	23-Sep-06	Brazos River	2	US 79 crossing, under the bridge	30.82735	-96.6508000	Milam, Robertson	0.2-0.7	*Quadrula apiculata*	Southern Mapleleaf
2006	23-Sep-06	Brazos River	2	US 79 crossing, under the bridge	30.82735	-96.6508000	Milam, Robertson	0.2-0.7	*Tritogonia verrucosa*	Pistolgrip
2006	23-Sep-06	Brazos River	2	US 79 crossing, under the bridge	30.82735	-96.6508000	Milam, Robertson	0.2-0.7	*Quadrula houstonensis*	Smooth Pimpleback
2006	**23-Sep-06**	**Brazos River**	**2**	US 79 crossing, under the bridge	**30.82735**	**-96.6508000**	**Milam, Robertson**	**0.2-0.7**	**Total found**	**Total found**
2006	**23-Sep-06**	**Brazos River**	**2**	US 79 crossing, under the bridge	**30.82735**	**-96.6508000**	**Milam, Robertson**	**0.2-0.7**	**Total species found**	**Total species found**

2007	14-Jun-07	Brazos River	1	CR 1118 (Brazos Point Rd.)	32.20465	-97.6051000	Bosque, Johnson	0.2-0.7	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2007	14-Jun-07	Brazos River	1	CR 1118 (Brazos Point Rd.)	32.20465	-97.6051000	Bosque, Johnson	0.2-0.7	*Lampsilis teres*	Yellow Sandshell
2007	14-Jun-07	Brazos River	1	CR 1118 (Brazos Point Rd.)	32.20465	-97.6051000	Bosque, Johnson	0.2-0.7	*Potamilus ohiensis*	Pink Papershell
2007	**14-Jun-07**	**Brazos River**	**1**	**CR 1118 (Brazos Point Rd.)**	**32.20465**	**-97.6051000**	**Bosque, Johnson**	**0.2-0.7**	**Total found**	**Total found**
2007	**14-Jun-07**	**Brazos River**	**1**	**CR 1118 (Brazos Point Rd.)**	**32.20465**	**-97.6051000**	**Bosque, Johnson**	**0.2-0.7**	**Total species found**	**Total species found**
2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Amblema plicata*	Threeridge

2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Quadrula apiculata*	Southern Mapleleaf
2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Quadrula houstonensis*	Smooth Pimpleback
2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Leptodea fragilis*	Fragile Papershell
2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Tritogonia verrucosa*	Pistolgrip
2006	22-Sep-06	Brazos River	5	FM 485 crossing	30.8657	-96.6956667	Milam, Robertson	0.2-1.5	*Lampsilis teres*	Yellow Sandshell

2006	**22-Sep-06**	**Brazos River**	**5**	**FM 485 crossing**	**30.8657**	**-96.6956667**	**Milam, Robertson**	**0.2-1.5**	**Total found**	**Total found**
2006	**22-Sep-06**	**Brazos River**	**5**	**FM 485 crossing**	**30.8657**	**-96.6956667**	**Milam, Robertson**	**0.2-1.5**	**Total species found**	**Total species found**
2007	15-Jun-07	Brazos River	1	FM 4 crossing	32.86352	-98.3034400	Palo Pinto	0.2-0.6	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2007	**15-Jun-07**	**Brazos River**	**1**	**FM 4 crossing**	**32.86352**	**-98.3034400**	**Palo Pinto**	**0.2-0.6**	**Total found**	**Total found**
2007	**15-Jun-07**	**Brazos River**	**1**	**FM 4 crossing**	**32.86352**	**-98.3034400**	**Palo Pinto**	**0.2-0.6**	**Total species found**	**Total species found**
2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Amblema plicata*	Threeridge

2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Lampsilis teres*	Yellow Sandshell
2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Leptodea fragilis*	Fragile Papershell
2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Potamilus ohiensis*	Pink Papershell
2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Quadrula houstonensis*	Smooth Pimpleback
2006	8-Oct-06	Brazos River	3	SH 105 crossing	30.3566	-96.1535500	Grimes, Brazos	0.2-1.5	*Truncilla macrodon*	Texas Fawnsfoot

2006	**8-Oct-06**	**Brazos River**	**3**	**SH 105 crossing**	**30.3566**	**-96.1535500**	**Grimes, Brazos**	**0.2-1.5**	**Total found**	**Total found**
2006	**8-Oct-06**	**Brazos River**	**3**	**SH 105 crossing**	**30.3566**	**-96.1535500**	**Grimes, Brazos**	**0.2-1.5**	**Total species found**	**Total species found**
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Amblema plicata*	Threeridge
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Lampsilis teres*	Yellow Sandshell
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Leptodea fragilis*	Fragile Papershell

2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Potamilus ohiensis*	Pink Papershell
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Quadrula apiculata*	Southern Mapleleaf
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Quadrula houstonensis*	Smooth Pimpleback
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	0.2-1.5	*Tritogonia verrucosa*	Pistolgrip
2006	7-Oct-06	Brazos River	4	SH 159 crossing	30.04426667	-96.1102667	Austin, Waller	**0.2-1.5**	*Utterbackia imbecillis*	Paper Pondshell
2006	**7-Oct-06**	**Brazos River**	**4**	**SH 159 crossing**	**30.04426667**	**-96.1102667**	**Austin, Waller**	**0.2-1.5**	**Total found**	**Total found**

2006	**7-Oct-06**	**Brazos River**	**4 SH 159 crossing**	**30.04426667**	**-96.1102667**	**Austin, Waller**	**0.2-1.5**	**Total species found**	**Total species found**
2006	24-Sep-06	Brazos River	2 SH 21 crossing	30.62831667	-96.5437000	Burleson, Brazos	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	24-Sep-06	Brazos River	2 SH 21 crossing	30.62831667	-96.5437000	Burleson, Brazos	0.2-1.5	*Quadrula houstonensis*	Smooth Pimpleback
2006	**24-Sep-06**	**Brazos River**	**2 SH 21 crossing**	**30.62831667**	**-96.5437000**	**Burleson, Brazos**	**0.2-1.5**	**Total found**	**Total found**
2006	**24-Sep-06**	**Brazos River**	**2 SH 21 crossing**	**30.62831667**	**-96.5437000**	**Burleson, Brazos**	**0.2-1.5**	**Total species found**	**Total species found**
2006	6-Oct-06	Brazos River	1 US 59 crossing	29.55088333	-95.6385667	Fort Bend	0.2-1.0	*Lampsilis teres*	Yellow Sandshell

2006	6-Oct-06	Brazos River	1	US 59 crossing	29.55088333	-95.6385667	Fort Bend	0.2-1.0	*Leptodea fragilis*	Fragile Papershell
2006	6-Oct-06	Brazos River	1	US 59 crossing	29.55088333	-95.6385667	Fort Bend	0.2-1.0	*Potamilus ohiensis*	Pink Papershell
2006	6-Oct-06	Brazos River	1	US 59 crossing	29.55088333	-95.6385667	Fort Bend	0.2-1.0	*Quadrula apiculata*	Southern Mapleleaf
2006	6-Oct-06	Brazos River	1	US 59 crossing	29.55088333	-95.6385667	Fort Bend	0.2-1.0	*Truncilla macrodon*	Texas Fawnsfoot
2006	**6-Oct-06**	**Brazos River**	**1**	**US 59 crossing**	**29.55088333**	**-95.6385667**	**Fort Bend**	**0.2-1.0**	**Total found**	**Total found**
2006	**6-Oct-06**	**Brazos River**	**1**	**US 59 crossing**	**29.55088333**	**-95.6385667**	**Fort Bend**	**0.2-1.0**	**Total species found**	**Total species found**

2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	**0.2- 1.5**	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	**0.2- 1.5**	*Lampsilis teres*	Yellow Sandshell
2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	**0.2- 1.5**	*Leptodea fragilis*	Fragile Papershell
2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	**0.2- 1.5**	*Quadrula houstonensis*	Smooth Pimpleback
2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	0.2- 1.5	*Tritogonia verrucosa*	Pistolgrip
2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	**0.2- 1.5**	**Total found**	**Total found**

2006	23-Sep-06	Brazos River	4	SH 7 crossing	31.28916667	-96.9698333	Falls	**0.2-1.5**	**Total species found**	**Total species found**
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Amblema plicata*	Threeridge
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Leptodea fragilis*	Fragile Papershell
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Megalonaias nervosa*	Washboard
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Potamilus ohiensis*	Pink Papershell

2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Quadrula apiculata*	Southern Mapleleaf
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Quadrula houstonensis*	Smooth Pimpleback
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Tritogonia verrucosa*	Pistolgrip
2006	6-Oct-06	Brazos River	4	IH-10 crossing	29.75766667	-96.0304667	Austin, Waller	0.2-1.3	*Truncilla macrodon*	Texas Fawnsfoot
2006	**6-Oct-06**	**Brazos River**	**4**	**IH-10 crossing**	**29.75766667**	**-96.0304667**	**Austin, Waller**	**0.2-1.3**	**Total found**	**Total found**
2006	**6-Oct-06**	**Brazos River**	**4**	**IH-10 crossing**	**29.75766667**	**-96.0304667**	**Austin, Waller**	**0.2-1.3**	**Total species found**	**Total species found**

2007	24-Jun-07	Brazos River	1	south of Lake Granbury	32.26069	-97.6812400	Somervell	**0.2-1.5**	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2007	24-Jun-07	Brazos River	1	south of Lake Granbury	32.26069	-97.6812400	Somervell	**0.2-1.5**	*Potamilus ohiensis*	Pink Papershell
2007	24-Jun-07	Brazos River	1	south of Lake Granbury	32.26069	-97.6812400	Somervell	**0.2-1.5**	*Truncilla macrodon*	Texas Fawnsfoot
2007	**24-Jun-07**	**Brazos River**	**1**	**south of Lake Granbury**	**32.26069**	**-97.6812400**	**Somervell**	**0.2-1.5**	**Total found**	**Total found**
2007	**24-Jun-07**	**Brazos River**	**1**	**south of Lake Granbury**	**32.26069**	**-97.6812400**	**Somervell**	**0.2-1.5**	**Total species found**	**Total species found**
2007	23-Jun-07	Brazos River	1	south of IH 20	32.64898	-98.0380900	Parker	**0.2-1.5**	*Cyrtonaias tampicoensis*	Tampico Pearlymussel

2007	**23-Jun-07**	**Brazos River**	**1**	**south of IH 20**	**32.64898**	**-98.0380900**	**Parker**	**0.2-1.5**	**Total found**	**Total found**
2007	**23-Jun-07**	**Brazos River**	**1**	**south of IH 20**	**32.64898**	**-98.0380900**	**Parker**	**0.2-1.5**	**Total species found**	**Total species found**
2007	27-Apr-07	Brazos River	3	S. Whitney Dam (below Lake Whitney Reservoir)	31.86497	-97.3622700	Somervell	0.2-1.0	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2007	27-Apr-07	Brazos River	3	S. Whitney Dam (below Lake Whitney Reservoir)	31.86497	-97.3622700	Somervell	0.2-1.0	*Quadrula apiculata*	Southern Mapleleaf
2007	**27-Apr-07**	**Brazos River**	**3**	**S. Whitney Dam (below Lake Whitney Reservoir)**	**31.86497**	**-97.3622700**	**Somervell**	**0.2-1.0**	**Total found**	**Total found**
2007	**27-Apr-07**	**Brazos River**	**3**	**S. Whitney Dam (below Lake Whitney Reservoir)**	**31.86497**	**-97.3622700**	**Somervell**	**0.2-1.0**	**Total species found**	**Total species found**

2007	15-Jun-07	Brazos River	1	SH 67 crossing	33.02455	-98.6447900	Young	**0.2-1.2**	*Potamilus ohiensis*	Pink Papershell
2007	**15-Jun-07**	**Brazos River**	**1**	**SH 67 crossing**	**33.02455**	**-98.6447900**	**Young**	**0.2-1.2**	**Total found**	**Total found**
2007	**15-Jun-07**	**Brazos River**	**1**	**SH 67 crossing**	**33.02455**	**-98.6447900**	**Young**	**0.2-1.2**	**Total species found**	**Total species found**
2007	14-Jun-07	Brazos River	1	US 67 crossing	32.27148	-97.6643100	Somervell	**0.2-1.2**	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2007	14-Jun-07	Brazos River	1	US 67 crossing	32.27148	-97.6643100	Somervell	**0.2-1.2**	*Leptodea fragilis*	Fragile Papershell
2007	14-Jun-07	Brazos River	1	US 67 crossing	32.27148	-97.6643100	Somervell	**0.2-1.2**	*Pyganodon grandis*	Giant Floater

2007	**14-Jun-07**	**Brazos River**	**1**	**US 67 crossing**	**32.27148**	**-97.6643100**	**Somervell**	**0.2-1.2**	**Total found**	**Total found**
2007	**14-Jun-07**	**Brazos River**	**1**	**US 67 crossing**	**32.27148**	**-97.6643100**	**Somervell**	**0.2-1.2**	**Total species found**	**Total species found**
2006	14-Oct-06	Navasota River	2	CR 101 (Democrat Rd) crossing	30.81035	-96.1757000	Brazos, Grimes	0.6-1.0	*Amblema plicata*	Threeridge
2006	14-Oct-06	Navasota River	2	CR 101 (Democrat Rd) crossing	30.81035	-96.1757000	Brazos, Grimes	0.6-1.0	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	14-Oct-06	Navasota River	2	CR 101 (Democrat Rd) crossing	30.81035	-96.1757000	Brazos, Grimes	0.6-1.0	*Megalonaias nervosa*	Washboard
2006	14-Oct-06	Navasota River	2	CR 101 (Democrat Rd) crossing	30.81035	-96.1757000	Brazos, Grimes	0.6-1.0	*Quadrula apiculata*	Southern Mapleleaf

2006	14-Oct-06	Navasota River	2	CR 101 (Democrat Rd) crossing	30.81035	-96.1757000	Brazos, Grimes	0.6-1.0	*Quadrula houstonensis*	Smooth Pimpleback
2006	14-Oct-06	Navasota River	2	CR 101 (Democrat Rd) crossing	30.81035	-96.1757000	Brazos, Grimes	0.6-1.0	*Lampsilis teres*	Yellow Sandshell
2006	**14-Oct-06**	**Navasota River**	**2**	**CR 101 (Democrat Rd) crossing**	**30.81035**	**-96.1757000**	**Brazos, Grimes**	**0.6-1.0**	**Total found**	**Total found**
2006	**14-Oct-06**	**Navasota River**	**2**	**CR 101 (Democrat Rd) crossing**	**30.81035**	**-96.1757000**	**Brazos, Grimes**	**0.6-1.0**	**Total species found**	**Total species found**
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Amblema plicata*	Threeridge
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Arcidens confragosus*	Rock Pocketbook

2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Lampsilis teres*	Yellow Sandshell
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Leptodea fragilis*	Fragile Papershell
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Megalonaias nervosa*	Washboard
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Quadrula apiculata*	Southern Mapleleaf
2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Quadrula houstonensis*	Smooth Pimpleback

2006	7-Oct-06	Navasota River	3	SH 105 crossing	30.36435	-96.1415833	Washington, Brazos	0.2-1.7	*Tritogonia verrucosa*	Pistolgrip
2006	**7-Oct-06**	**Navasota River**	**3**	**SH 105 crossing**	**30.36435**	**-96.1415833**	**Washington, Brazos**	**0.2-1.7**	**Total found**	**Total found**
2006	**7-Oct-06**	**Navasota River**	**3**	**SH 105 crossing**	**30.36435**	**-96.1415833**	**Washington, Brazos**	**0.2-1.7**	**Total species found**	**Total species found**
2006	4-Nov-06	Deer Creek	1	CR 320 crossing	31.27985	-96.9786000	Falls	0.3-0.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	4-Nov-06	Deer Creek	1	CR 320 crossing	31.27985	-96.9786000	Falls	0.3-0.5	*Lampsilis teres*	Yellow Sandshell
2006	4-Nov-06	Deer Creek	1	CR 320 crossing	31.27985	-96.9786000	Falls	0.3-0.5	*Quadrula apiculata*	Southern Mapleleaf

2006	4-Nov-06	Deer Creek	1	CR 320 crossing	31.27985	-96.9786000	Falls	0.3-0.5	*Truncilla macrodon*	Texas Fawnsfoot
2006	**4-Nov-06**	**Deer Creek**	**1**	**CR 320 crossing**	**31.27985**	**-96.9786000**	**Falls**	**0.3-0.5**	**Total found**	**Total found**
2006	**4-Nov-06**	**Deer Creek**	**1**	**CR 320 crossing**	**31.27985**	**-96.9786000**	**Falls**	**0.3-0.5**	**Total species found**	**Total species found**
2006	4-Nov-06	Duck Creek	1	FM 979 crossing	31.19425	-96.4506333	Robertson	0.3-0.5	*Leptodea fragilis*	Fragile Papershell
2006	**4-Nov-06**	**Duck Creek**	**1**	**FM 979 crossing**	**31.19425**	**-96.4506333**	**Robertson**	**0.3-0.5**	**Total found**	**Total found**
2006	**4-Nov-06**	**Duck Creek**	**1**	**FM 979 crossing**	**31.19425**	**-96.4506333**	**Robertson**	**0.3-0.5**	**Total species found**	**Total species found**

2006	23-Sep-06	Little Brazos River	2	SH 21 crossing	30.64043333	-96.5208500	Brazos	0.2-0.5	*Lampsilis teres*	Yellow Sandshell
2006	23-Sep-06	Little Brazos River	2	SH 21 crossing	30.64043333	-96.5208500	Brazos	0.2-0.5	*Quadrula apiculata*	Southern Mapleleaf
2006	**23-Sep-06**	**Little Brazos River**	**2**	**SH 21 crossing**	**30.64043333**	**-96.5208500**	**Brazos**	**0.2-0.5**	**Total found**	**Total found**
2006	**23-Sep-06**	**Little Brazos River**	**2**	**SH 21 crossing**	**30.64043333**	**-96.5208500**	**Brazos**	**0.2-0.5**	**Total species found**	**Total species found**
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Amblema plicata*	Threeridge
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Lampsilis teres*	Yellow Sandshell

2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Leptodea fragilis*	Fragile Papershell
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Megalonaias nervosa*	Washboard
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Potamilus ohiensis*	Pink Papershell
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Quadrula apiculata*	Southern Mapleleaf
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Quadrula houstonensis*	Smooth Pimpleback
2006	23-Sep-06	Little Brazos River	3	US 79 crossing	30.85736667	-96.6074833	Robertson	0.2-0.5	*Tritogonia verrucosa*	Pistolgrip

2006	**23-Sep-06**	**Little Brazos River**	**3**	**US 79 crossing**	**30.85736667**	**-96.6074833**	**Robertson**	**0.2-0.5**	**Total found**	**Total found**
2006	**23-Sep-06**	**Little Brazos River**	**3**	**US 79 crossing**	**30.85736667**	**-96.6074833**	**Robertson**	**0.2-0.5**	**Total species found**	**Total species found**
2006	22-Sep-06	Little River	1	CR 264 crossing	30.82541667	-96.7439667	Milam	0.2-0.5	*Amblema plicata*	Threeridge
2006	22-Sep-06	Little River	1	CR 264 crossing	30.82541667	-96.7439667	Milam	0.2-0.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	22-Sep-06	Little River	1	CR 264 crossing	30.82541667	-96.7439667	Milam	0.2-0.5	*Lampsilis teres*	Yellow Sandshell
2006	22-Sep-06	Little River	1	CR 264 crossing	30.82541667	-96.7439667	Milam	0.2-0.5	*Quadrula houstonensis*	Smooth Pimpleback

2006	**22-Sep-06**	**Little River**	**1**	**CR 264 crossing**	**30.82541667**	**-96.7439667**	**Milam**	**0.2-0.5**	**Total found**	**Total found**
2006	**22-Sep-06**	**Little River**	**1**	**CR 264 crossing**	**30.82541667**	**-96.7439667**	**Milam**	**0.2-0.5**	**Total species found**	**Total species found**
2006	4-Nov-06	Spring Creek	2	SH 6/US 190 crossing	30.80213333	-96.5122167	Robertson	**0.2-0.5**	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	4-Nov-06	Spring Creek	2	SH 6/US 190 crossing	30.80213333	-96.5122167	Robertson	**0.2-0.5**	*Utterbackia imbecillis*	Paper Pondshell
2006	**4-Nov-06**	**Spring Creek**	**2**	**SH 6/US 190 crossing**	**30.80213333**	**-96.5122167**	**Robertson**	**0.2-0.5**	**Total found**	**Total found**
2006	**4-Nov-06**	**Spring Creek**	**2**	**SH 6/US 190 crossing**	**30.80213333**	**-96.5122167**	**Robertson**	**0.2-0.5**	**Total species found**	**Total species found**

2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Amblema plicata*	Threeridge
2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Lampsilis teres*	Yellow Sandshell
2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Leptodea fragilis*	Fragile Papershell
2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Megalonaias nervosa*	Washboard
2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Potamilus ohiensis*	Pink Papershell

2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Quadrula apiculata*	Southern Mapleleaf
2006	24-Sep-06	Yegua Creek	4	FM 50 crossing	30.36846667	-96.3436500	Washington	0.2-0.5	*Quadrula houstonensis*	Smooth Pimpleback
2006	**24-Sep-06**	**Yegua Creek**	**4**	**FM 50 crossing**	**30.36846667**	**-96.3436500**	**Washington**	**0.2-0.5**	**Total found**	**Total found**
2006	**24-Sep-06**	**Yegua Creek**	**4**	**FM 50 crossing**	**30.36846667**	**-96.3436500**	**Washington**	**0.2-0.5**	**Total species found**	**Total species found**
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Fusconaia askewi*	Texas Pigtoe
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Lampsilis hydiana*	Louisiana Fatmucket

2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Lampsilis satura*	Sand Pocketbook
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Lampsilis teres*	Yellow Sandshell
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Leptodea fragilis*	Fragile Papershell
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Quadrula apiculata*	Southern Mapleleaf
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Quadrula mortoni*	Western pimpleback
2006	16-Sep-06	Sabine River	6	SH 12 crossing	30.30315	-93.7435667	Newton	0.2-1.5	*Truncilla truncata*	Deartoe

2006	**16-Sep-06**	**Sabine River**	**6 SH 12 crossing**	**30.30315**	**-93.7435667**	**Newton**	**0.2-1.5**	**Total found**	**Total found**
2006	**16-Sep-06**	**Sabine River**	**6 SH 12 crossing**	**30.30315**	**-93.7435667**	**Newton**	**0.2-1.5**	**Total species found**	**Total species found**
2006	15-Sep-06	Sabine River	2 SH 63 crossing	31.06358333	-93.5184500	Newton	0.2-2.0	*Lampsilis teres*	Yellow Sandshell
2006	15-Sep-06	Sabine River	2 SH 63 crossing	31.06358333	-93.5184500	Newton	0.2-2.0	*Leptodea fragilis*	Fragile Papershell
2006	15-Sep-06	Sabine River	2 SH 63 crossing	31.06358333	-93.5184500	Newton	0.2-2.0	*Utterbackia imbecillis*	Paper Pondshell
2006	**15-Sep-06**	**Sabine River**	**2 SH 63 crossing**	**31.06358333**	**-93.5184500**	**Newton**	**0.2-2.0**	**Total found**	**Total found**

2006	**15-Sep-06**	**Sabine River**	**2 SH 63 crossing**	**31.06358333**	**-93.5184500**	**Newton**	**0.2-2.0**	**Total species found**
2006	1-Sep-06	San Antonio River	2 CR 117 crossing	29.1683	-98.2025333	Wilson	0.2-1.2	*Amblema plicata*
2006	1-Sep-06	San Antonio River	2 CR 117 crossing	29.1683	-98.2025333	Wilson	0.2-1.2	*Lampsilis teres*
2006	1-Sep-06	San Antonio River	2 CR 117 crossing	29.1683	-98.2025333	Wilson	0.2-1.2	*Quadrula apiculata*
2006	1-Sep-06	San Antonio River	2 CR 117 crossing	29.1683	-98.2025333	Wilson	0.2-1.2	*Quadrula aurea*
2006	1-Sep-06	San Antonio River	2 CR 117 crossing	29.1683	-98.2025333	Wilson	0.2-1.2	*Tritogonia verrucosa*

								Total species found
								Threeridge
								Yellow Sandshell
								Southern Mapleleaf
								Golden Orb
								Pistolgrip

2006	1-Sep-06	San Antonio River	2 CR 117 crossing	29.1683	-98.2025333 Wilson	0.2-1.2	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2006	**1-Sep-06**	**San Antonio River**	**2 CR 117 crossing**	**29.1683**	**-98.2025333 Wilson**	**0.2-1.2**	**Total found**	**Total found**
2006	**1-Sep-06**	**San Antonio River**	**2 CR 117 crossing**	**29.1683**	**-98.2025333 Wilson**	**0.2-1.2**	**Total species found**	**Total species found**
2007	8-Jun-07	San Antonio River	1 FM 2506 crossing	28.61291	-97.2137800 Goliad	0.2-0.5	*Lampsilis teres*	Yellow Sandshell
2007	8-Jun-07	San Antonio River	1 FM 2506 crossing	28.61291	-97.2137800 Goliad	0.2-0.5	*Qudrula aurea*	Golden Orb
2007	**8-Jun-07**	**San Antonio River**	**1 FM 2506 crossing**	**28.61291**	**-97.2137800 Goliad**	**0.2-0.5**	**Total found**	**Total found**

2007	**8-Jun-07**	**San Antonio River**	**1**	**FM 2506 crossing**	**28.61291**	**-97.2137800**	**Goliad**	**0.2-0.5**	**Total species found**	**Total species found**
2007	7-Jun-07	San Antonio River	1	FM 791 crossing	30.39778	-94.3977800	Karnes	0.2-1.1	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2007	7-Jun-07	San Antonio River	1	FM 791 crossing	30.39778	-94.3977800	Karnes	0.2-1.2	*Lampsilis teres*	Yellow Sandshell
2007	**7-Jun-07**	**San Antonio River**	**1**	**FM 791 crossing**	**30.39778**	**-94.3977800**	**Karnes**	**0.2-1.3**	**Total found**	**Total found**
2007	**7-Jun-07**	**San Antonio River**	**1**	**FM 791 crossing**	**30.39778**	**-94.3977800**	**Karnes**	**0.2-1.4**	**Total species found**	**Total species found**
2007	8-Jun-07	San Antonio River	1	Goliad State Park	28.65022	-97.3870600	Goliad	0.2-0.7	*Amblema plicata*	Threeridge

2007	8-Jun-07	San Antonio River	1	Goliad State Park	28.65022	-97.3870600	Goliad	0.2-0.7	*Lampsilis teres*	Yellow Sandshell
2007	8-Jun-07	San Antonio River	1	Goliad State Park	28.65022	-97.3870600	Goliad	0.2-0.7	*Qudrula aurea*	Golden Orb
2007	**8-Jun-07**	**San Antonio River**	**1**	**Goliad State Park**	**28.65022**	**-97.3870600**	**Goliad**	**0.2-0.7**	**Total found**	**Total found**
2007	**8-Jun-07**	**San Antonio River**	**1**	**Goliad State Park**	**28.65022**	**-97.3870600**	**Goliad**	**0.2-0.7**	**Total species found**	**Total species found**
2006	1-Sep-06	San Antonio River	2	SH 97 crossing	29.110523	-98.1731833	Wilson	0.2-1.5	*Amblema plicata*	Threeridge
2006	1-Sep-06	San Antonio River	2	SH 97 crossing	29.110523	-98.1731833	Wilson	0.2-1.5	*Cyrtonaias tampicoensis*	Tampico Pearlymussel

2006	1-Sep-06	San Antonio River	2	SH 97 crossing	29.110523	-98.1731833	Wilson	0.2-1.5	*Lampsilis teres*	Yellow Sandshell
2006	1-Sep-06	San Antonio River	2	SH 97 crossing	29.110523	-98.1731833	Wilson	0.2-1.5	*Quadrula apiculata*	Southern Mapleleaf
2006	1-Sep-06	San Antonio River	2	SH 97 crossing	29.110523	-98.1731833	Wilson	0.2-1.5	*Quadrula aurea*	Golden Orb
2006	**1-Sep-06**	**San Antonio River**	**2**	**SH 97 crossing**	**29.110523**	**-98.1731833**	**Wilson**	**0.2-1.5**	**Total found**	**Total found**
2006	**1-Sep-06**	**San Antonio River**	**2**	**SH 97 crossing**	**29.110523**	**-98.1731833**	**Wilson**	**0.2-1.5**	**Total species found**	**Total species found**
										Tampico Pearlymussel
2008	7/30/2008	Elm Creek	2	CR 356 in Ballinger (Low water crossing)	31.76067	99.95564	Runnels	0.2-1.5	*Cyrtonaias tampicoensis*	

									Texas Fatmucket
2008	7/30/2008	Elm Creek	2	CR 356 in Ballinger (Low water crossing)	31.76067	99.95564	Runnels	0.2-1.5	*Lampsilis bracteata*
									Southern Mapleleaf
2008	7/30/2008	Elm Creek	2	CR 356 in Ballinger (Low water crossing)	31.76067	99.95564	Runnels	0.2-1.5	*Quadrula apiculata*
2008	**7/30/2008**	**Elm Creek**	**1**	**CR 356 in Ballinger (Low water crossing)**	**31.76067**	**99.95564**	**Runnels**	**0.2-1.5**	**Total found**	**Total found**
2008	**7/30/2008**	**Elm Creek**	**1**	**CR 356 in Ballinger (Low water crossing)**	**31.76067**	**99.95564**	**Runnels**	**0.2-1.5**	**Total species found**	**Total species found**
									Tampico Pearlymussel
2008	7/31/2008	Elm Creek	2	at Key Mansell's property (off CR 261), North Ballinger	31.78427	99.94920	Runnels	0.2-1.5	*Cyrtonaias tampicoensis*
									Texas Fatmucket
2008	7/31/2008	Elm Creek	2	at Key Mansell's property (off CR 261), North Ballinger	31.78427	99.94920	Runnels	0.2-1.5	*Lampsilis bracteata*

									Southern Mapleleaf
2008	7/31/2008	Elm Creek	2	at Key Mansell's property (off CR 261), North Ballinger	31.78427	99.94920	Runnels	0.2-1.5	*Quadrula apiculata*
									Texas Pimpleback
2008	7/31/2008	Elm Creek	2	at Key Mansell's property (off CR 261), North Ballinger	31.78427	99.94920	Runnels	0.2-1.5	*Quadrula petrina*
2008	**7/31/2008**	**Elm Creek**	**2**	**at Key Mansell's property (off CR 261), North Ballinger**	**31.78427**	**99.94920**	**Runnels**	**0.2-1.5**	**Total found**	**Total found**
2008	**7/31/2008**	**Elm Creek**	**2**	**at Key Mansell's property (off CR 261), North Ballinger**	**31.78427**	**99.94920**	**Runnels**	**0.2-1.5**	**Total species found**	**Total species found**
									Tampico Pearlymussel
2008	7/31/2008	Elm Creek	1	CR 330 crossing	31.79181	99.94301	Runnels	0.2-0.7	*Cyrtonaias tampicoensis*
									Texas Fatmucket
2008	7/31/2008	Elm Creek	1	CR 330 crossing	31.79181	99.94301	Runnels	0.2-0.7	*Lampsilis bracteata*

									Southern Mapleleaf
2008	7/31/2008	Elm Creek	1	CR 330 crossing	31.79181	99.94301	Runnels	0.2-0.7 *Quadrula apiculata*	Texas Pimpleback
2008	7/31/2008	Elm Creek	1	CR 330 crossing	31.79181	99.94301	Runnels	0.2-0.7 *Quadrula petrina*	Tapered Pondhorn
2008	7/31/2008	Elm Creek	1	CR 330 crossing	31.79181	99.94301	Runnels	0.2-0.7 *Uniomerus declivis*	
2008	**7/31/2008**	**Elm Creek**	**1**	**CR 330 crossing**	**31.79181**	**99.94301**	**Runnels**	**0.2-0.7 Total found**	**Total found**
2008	**7/31/2008**	**Elm Creek**	**1**	**CR 330 crossing**	**31.79181**	**99.94301**	**Runnels**	**0.2-0.7 Total species found**	**Total species found** Fragile Papershell
2008	8/2/2008	San Saba River	2	East of Menard, property of Mr. John Knippen	30.92251	99.73775	Menard	0.2-1.5 *Leptodea fragilis*	

									Southern Mapleleaf
2008	8/2/2008	San Saba River	2	East of Menard, property of Mr. John Knippen	30.92251	99.73775	Menard	0.2-1.5 *Quadrula apiculata*	Pistolgrip
2008	8/2/2008	San Saba River	2	East of Menard, property of Mr. John Knippen	30.92251	99.73775	Menard	0.2-1.5 *Tritogonia verrucosa*	Bleufer
2008	8/2/2008	San Saba River	2	East of Menard, property of Mr. John Knippen	30.92251	99.73775	Menard	0.2-1.5 *Potamilus purpuratus*	
2008	**8/2/2008**	**San Saba River**	**2**	**East of Menard, property of Mr. John Knippen**	**30.92251**	**99.73775**	**Menard**	**0.2-1.5 Total found**	**Total found**
2008	**8/2/2008**	**San Saba River**	**2**	**East of Menard, property of Mr. John Knippen**	**30.92251**	**99.73775**	**Menard**	**0.2-1.5 Total species found**	**Total species found**
2008	8/2/2008	San Saba River	1	at Dunagan Road, south of US 190	30.86721	100.02192	Menard	0.2-0.5 *none*	*none*

2008	**8/2/2008**	**San Saba River**	**1**	**at Dunagan Road, south of US 190**	**30.86721**	**100.02192**	**Menard**	**0.2-0.5 Total found**	**Total found**
2008	**8/2/2008**	**San Saba River**	**1**	**at Dunagan Road, south of US 190**	**30.86721**	**100.02192**	**Menard**	**0.2-0.5 Total species found**	**Total species found**
2008	8/2/2008	San Saba River	1	Lee Hollow, low water crossing FM 864, downstream of Fort McKavett	30.83454	100.09408	Menard	0.2-0.5 *Quadrula apiculata*	Southern Mapleleaf
2008	8/2/2008	San Saba River	1	Lee Hollow, low water crossing FM 864, downstream of Fort McKavett	30.83454	100.09408	Menard	0.2-0.5 *Quadrula petrina*	Texas Pimpleback
2008	8/2/2008	San Saba River	1	Lee Hollow, low water crossing FM 864, downstream of Fort McKavett	30.83454	100.09408	Menard	0.2-0.5 *Amblema plicata*	Threeridge
2008	**8/2/2008**	**San Saba River**	**1**	**Lee Hollow, low water crossing FM 864, downstream of Fort McKavett**	**30.83454**	**100.09408**	**Menard**	**0.2-0.5 Total found**	**Total found**

2008	**8/2/2008**	**San Saba River**	**1**	**Lee Hollow, low water crossing FM 864, downstream of Fort McKavett**	**30.83454**	**100.09408**	**Menard**	**0.2-0.5**	**Total species found**
									Texas Fatmucket
2008	8/4/2008	San Saba River	1	in Menard, downstream from the dam in Menard City Park	30.91957	99.79455	Menard	0.2-1.2	*Lampsilis bracteata*
2008	**8/4/2008**	**San Saba River**	**1**	**in Menard, downstream from the dam in Menard City Park**	**30.91957**	**99.79455**	**Menard**	**0.2-1.2**	**Total found**
2008	**8/4/2008**	**San Saba River**	**1**	**in Menard, downstream from the dam in Menard City Park**	**30.91957**	**99.79455**	**Menard**	**0.2-1.2**	**Total species found**
									Washboard
2008	8/7/2008	Guadalupe River	1	below Lake Wood, Lake Wood Park	29.47026	97.49021	Gonzales	0.2-0.7	*Megalonaias nervosa*
									Yellow Sandshell
2008	8/7/2008	Guadalupe River	1	below Lake Wood, Lake Wood Park	29.47026	97.49021	Gonzales	0.2-0.7	*Lampsilis teres*

									Threeridge
2008	8/7/2008	Guadalupe River	1	below Lake Wood, Lake Wood Park	29.47026	97.49021	Gonzales	0.2-0.7 *Amblema plicata*	Bankclimber
2008	8/7/2008	Guadalupe River	1	below Lake Wood, Lake Wood Park	29.47026	97.49021	Gonzales	0.2-0.7 *Plectomerus dombeyanus*	Golden Orb
2008	8/7/2008	Guadalupe River	1	below Lake Wood, Lake Wood Park	29.47026	97.49021	Gonzales	0.2-0.7 *Quadrula aurea*	Louisiana Fatmucket
2008	8/7/2008	Guadalupe River	1	below Lake Wood, Lake Wood Park	29.47026	97.49021	Gonzales	0.2-0.7 *Lampsilis hydiana*	
2008	**8/7/2008**	**Guadalupe River**	**1**	**below Lake Wood, Lake Wood Park**	**29.47026**	**97.49021**	**Gonzales**	**0.2-0.7 Total found**	**Total found**
2008	**8/7/2008**	**Guadalupe River**	**1**	**below Lake Wood, Lake Wood Park**	**29.47026**	**97.49021**	**Gonzales**	**0.2-0.7 Total species found**	**Total species found**

				below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)					Threeridge
2008	8/12/2008	Guadalupe River	18		29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Amblema plicata*
				below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)					Tampico Pearlymussel
2008	8/12/2008	Guadalupe River	18		29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Cyrtonaias tampicoensis*
				below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)					Yellow Sandshell
2008	8/12/2008	Guadalupe River	18		29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Lampsilis teres*
				below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)					Washboard
2008	8/12/2008	Guadalupe River	18		29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Megalonaias nervosa*
				below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)					Bankclimber
2008	8/12/2008	Guadalupe River	18		29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Plectomerus dombeyanus*
				below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)					Giant Floater
2008	8/12/2008	Guadalupe River	18		29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Pyganodon grandis*

			below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)						Pistolgrip
2008	8/12/2008	Guadalupe River	18	29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Tritogonia verrucosa*	
			below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance)						Golden Orb
2008	8/12/2008	Guadalupe River	18	29.47065 - 29.47392	97.49007-97.48441	Gonzales	0.1-1.0	*Quadrula aurea*	
2008	**8/12/2008**	**Guadalupe River**	**18**	**Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km**	**29.47065 - 29.47392**	**97.49007-97.48441**	**Gonzales**	**0.1-1.0**	**Total found**	**Total found**
2008	**8/12/2008**	**Guadalupe River**	**18**	**Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km**	**29.47065 - 29.47392**	**97.49007-97.48441**	**Gonzales**	**0.1-1.0**	**Total species found**	**Total species found**
			Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on						Threeridge
2008	8/8/2008	San Antonio River	24	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Amblema plicata*	
			Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on						Yellow Sandshell
2008	8/8/2008	San Antonio River	24	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Lampsilis teres*	

			Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on						Washboard
2008	8/8/2008	San Antonio River	24	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Megalonaias nervosa*	Golden Orb
2008	8/8/2008	San Antonio River	24	Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Quadrula aurea*
2008	8/8/2008	San Antonio River	24	Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Tritogonia verrucosa*	Pistolgrip
2008	8/8/2008	San Antonio River	24	Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Arcidens confragosus*	Rock-Pocketbook
2008	8/8/2008	San Antonio River	24	Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on	28.650094-28.65259	97.383515-97.38158	Goliad	0.2-1.2	*Quadrula apiculata*	Southern Mapleleaf
2008	**8/8/2008**	**San Antonio River**	24	**State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the**	**28.650094-28.65259**	**97.383515-97.38158**	**Goliad**	**0.2-1.2**	**Total found**	**Total found**

				State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the						
2008	**8/8/2008**	**San Antonio River**	24		**28.650094-28.65259**	**97.383515-97.38158**	**Goliad**	**0.2-1.2**	**Total species found**	**Total species found**
										Golden Orb
2008	8/9/2008	San Antonio River	1	Private land owned by Brett Muellar, below Goliad State Park	28.64539	97.35285	Goliad	0.2-1.2	*Quadrula aurea*	
										Yellow Sandshell
2008	8/9/2008	San Antonio River	1	Private land owned by Brett Muellar, below Goliad State Park	28.64539	97.35285	Goliad	0.2-1.2	*Lampsilis teres*	
2008	**8/9/2008**	**San Antonio River**	**1**	**Private land owned by Brett Muellar, below Goliad State Park**	**28.64539**	**97.35285**	**Goliad**	**0.2-1.2**	**Total found**	**Total found**
2008	**8/9/2008**	**San Antonio River**	**1**	**Private land owned by Brett Muellar, below Goliad State Park**	**28.64539**	**97.35285**	**Goliad**	**0.2-1.2**	**Total species found**	**Total species found**
										Fragile Papershell
2008	8/3/2008	Colorado River	1	at CR 3115	31.79256	100.18467	Runnels	0.2-1.0	*Leptodea fragilis*	

									Southern Mapleleaf
2008	8/3/2008	Colorado River	1	at CR 3115	31.79256	100.18467	Runnels	0.2-1.0	*Quadrula apiculata*
									Tampico Pearlymussel
2008	8/3/2008	Colorado River	1	at CR 3115	31.79256	100.18467	Runnels	0.2-1.0	*Cyrtonaias tampicoensis*
									Yellow Sandshell
2008	8/3/2008	Colorado River	1	at CR 3115	31.79256	100.18467	Runnels	0.2-1.0	*Lampsilis teres*
2008	**8/3/2008**	**Colorado River**	**1**	**at CR 3115**	**31.79256**	**100.18467**	**Runnels**	**0.2-1.0**	**Total found**
									Total species found
2008	**8/3/2008**	**Colorado River**	**1**	**at CR 3115**	**31.79256**	**100.18467**	**Runnels**	**0.2-1.0**	**Total species found**
									Fragile Papershell
2008	8/3/2008	Colorado River	2	at FM 2111 (off FM 2133)	31.71477	100.02699	Runnels	0.2-1.0	*Leptodea fragilis*

									Southern Mapleleaf
2008	8/3/2008	Colorado River	2	at FM 2111 (off FM 2133)	31.71477	100.02699	Runnels	0.2-1.0	*Quadrula apiculata*
									Tampico Pearlymussel
2008	8/3/2008	Colorado River	2	at FM 2111 (off FM 2133)	31.71477	100.02699	Runnels	0.2-1.0	*Cyrtonaias tampicoensis*
2008	**8/3/2008**	**Colorado River**	**2**	**at FM 2111 (off FM 2133)**	**31.71477**	**100.02699**	**Runnels**	**0.2-1.0**	**Total found**
									Total found
2008	**8/3/2008**	**Colorado River**	**2**	**at FM 2111 (off FM 2133)**	**31.71477**	**100.02699**	**Runnels**	**0.2-1.0**	**Total species found**
									Total species found
									Tampico Pearlymussel
2008	8/3/2008	Bluff Creek	1	at CR 354, off US 83, North of Ballinger	31.88165	99.94513	Runnels	0.2-0.7	*Cyrtonaias tampicoensis*
									Paper pondshell
2008	8/3/2008	Bluff Creek	1	at CR 354, off US 83, North of Ballinger	31.88165	99.94513	Runnels	0.2-0.7	*Utterbackia imbecillis*

									Southern Mapleleaf
2008	8/3/2008	Bluff Creek	1	at CR 354, off US 83, North of Ballinger	31.88165	99.94513	Runnels	0.2-0.7 *Quadrula apiculata*	Pondhorn
2008	8/3/2008	Bluff Creek	1	at CR 354, off US 83, North of Ballinger	31.88165	99.94513	Runnels	0.2-0.7 *Uniomerus tetralasmus*	
2008	**8/3/2008**	**Bluff Creek**	**1**	**at CR 354, off US 83, North of Ballinger**	**31.88165**	**99.94513**	**Runnels**	**0.2-0.7 Total found**	**Total found**
2008	**8/3/2008**	**Bluff Creek**	**1**	**at CR 354, off US 83, North of Ballinger**	**31.88165**	**99.94513**	**Runnels**	**0.2-0.7 Total species found**	**Total species found**
2008	**8/1/2008**	**Spring Creek**	**1**	**CR 211 crossing**	**31.32725**	**100.7564**	**Irion**	**0.2-1.5 *none***	***none***
2008	**8/1/2008**	**Spring Creek**	**1**	**at Mertzon City Park, Park Avenue crossing**	**31.26306**	**100.81173**	**Irion**	**0.2-3.0 *none***	***none***

2008	**8/1/2008**	**Spring Creek**	**1**	**US 67 crossing**	**31.28061**	**100.80891**	**Irion**	**0.2-1.0**	***none***	***none***
2008	**8/1/2008**	**Middle Concho River**	**1**	**RM 853 crossing**	**31.41745**	**100.80088**	**Irion**		***none***	***none***
2008	8/1/2008	North Concho River	1	at South Burma Road	31.59293	100.637661	Tom Green	0.2-0.5	*Utterbackia imbecillis*	Paper pondshell
2008	**8/1/2008**	**North Concho River**	**1**	**at South Burma Road**	**31.59293**	**100.637661**	**Tom Green**	**0.2-0.5**	**Total found**	**Total found**
2008	**8/1/2008**	**North Concho River**	**1**	**at South Burma Road**	**31.59293**	**100.637661**	**Tom Green**	**0.2-0.5**	**Total species found**	**Total species found**
2008	**8/1/2008**	**North Concho River**	**1**	**at East Carlsbad Loop**	**31.58021**	**100.6093**	**Tom Green**		***none***	***none***

2008	8/5/2008	San Marcos River	32	Palmetto State Park, downstream and upstream from the low water crossing	29.58993	97.58492	Gonzales	0.2-1.2 *Lampsilis teres*	Yellow Sandshell
2008	8/5/2008	San Marcos River	32	Palmetto State Park, downstream and upstream from the low water crossing	29.58993	97.58492	Gonzales	0.2-1.2 *Megalonaias nervosa*	Washboard
2008	8/5/2008	San Marcos River	32	Palmetto State Park, downstream and upstream from the low water crossing	29.58993	97.58492	Gonzales	0.2-1.2 *Quadrula aurea*	Golden Orb
2008	8/5/2008	San Marcos River	32	Palmetto State Park, downstream and upstream from the low water crossing	29.58993	97.58492	Gonzales	0.2-1.2 *Amblema plicata*	Threeridge
2008	8/5/2008	San Marcos River	32	Palmetto State Park, downstream and upstream from the low water crossing	29.58993	97.58492	Gonzales	0.2-1.2 *Tritogonia verrucosa*	Pistolgrip
2008	**8/5/2008**	**San Marcos River**	**32**	**Palmetto State Park, downstream and upstream from the low water crossing**	**29.58993**	**97.58492**	**Gonzales**	**0.2-1.2 Total found**	**Total found**

2008	**8/5/2008**	**San Marcos River**	**32**	**Palmetto State Park, downstream and upstream from the low water crossing**	**29.58993**	**97.58492**	**Gonzales**	**0.2-1.2**	**Total species found**	**Total species found**
2008	**8/11/2008**	**San Marcos River**	**1**	**FM 1979 crossing**	**29.83217**	**97.84270**	**Guadalupe, Caldwell**	**0.2-0.5**	***none***	***none***
2008	**8/11/2008**	**San Marcos River**	**1**	**FM 20 (Fentress)**	**29.75239**	**97.78088**	**Guadalupe, Caldwell**	**0.25-1.0**	***none***	***none***
2008	8/11/2008	San Marcos River	14	CR 232 (off US 183) crossing	29.56352	97.54356	Gonzales	0.5	*Amblema plicata*	Threeridge
2008	8/11/2008	San Marcos River	14	CR 232 (off US 183) crossing	29.56352	97.54356	Gonzales	0.5	*Lampsilis hydiana*	Louisiana Fatmucket
2008	8/11/2008	San Marcos River	14	CR 232 (off US 183) crossing	29.56352	97.54356	Gonzales	0.5	*Lampsilis teres*	Yellow Sandshell

									Washboard
2008	8/11/2008	San Marcos River	14	CR 232 (off US 183) crossing	29.56352	97.54356	Gonzales	0.5	*Megalonaias nervosa*
									Golden Orb
2008	8/11/2008	San Marcos River	14	CR 232 (off US 183) crossing	29.56352	97.54356	Gonzales	0.5	*Quadrula aurea*
									Pistolgrip
2008	8/11/2008	San Marcos River	14	CR 232 (off US 183) crossing	29.56352	97.54356	Gonzales	0.5	*Tritogonia verrucosa*
2008	**8/11/2008**	**San Marcos River**	**14**	**CR 232 (off US 183) crossing**	**29.56352**	**97.54356**	**Gonzales**	**0.5**	**Total found**
									Total species found
2008	**8/11/2008**	**San Marcos River**	**14**	**CR 232 (off US 183) crossing**	**29.56352**	**97.54356**	**Gonzales**	**0.5**	**Total species found**
									Mexican fawnsfoot
2008	2/28/2008	Rio Grande River	1	Laredo, Las Palmas Trail, Justo Penn Park	27.49921	99.49890	Webb	0.2-0.75	*Truncilla cognata*

									Texas hornshell
2008	2/28/2008	Rio Grande River	1	Laredo, Las Palmas Trail, Justo Penn Park	27.49921	99.49890	Webb	0.2-0.75	*Popenaias popei*
									Washboard
2008	2/28/2008	Rio Grande River	1	Laredo, Las Palmas Trail, Justo Penn Park	27.49921	99.49890	Webb	0.2-0.75	*Megalonaias nervosa*
									Yellow sandshell
2008	2/28/2008	Rio Grande River	1	Laredo, Las Palmas Trail, Justo Penn Park	27.49921	99.49890	Webb	0.2-0.75	*Lampsilis teres*
									Southern mapleleaf
2008	2/28/2008	Rio Grande River	1	Laredo, Las Palmas Trail, Justo Penn Park	27.49921	99.49890	Webb	0.2-0.75	*Quadrula apiculata*
									Tampico pearlymussel
2008	2/28/2008	Rio Grande River	1	Laredo, Las Palmas Trail, Justo Penn Park	27.49921	99.49890	Webb	0.2-0.75	*Cyrtonaias tampicoensis*
2008	**2/28/2008**	**Rio Grande River**	**1**	**Laredo, Las Palmas Trail, Justo Penn Park**	**27.49921**	**99.49890**	**Webb**	**0.2-0.75**	**Total found**
									Total found

2008	**2/28/2008**	**Rio Grande River**	**1**	**Laredo, Las Palmas Trail, Justo Penn Park**	**27.49921**	**99.49890**	**Webb**	**0.2-0.75**	**Total species found**	**Total species found**
										Texas hornshell
2008	3/1/2008	Rio Grande River	8	Jonh's Marina, South of Dryden, downstream	29.80297	102.14281	Terrell	0.5-1.2	*Popenaias popei*	
										Tampico pearlymussel
2008	3/1/2008	Rio Grande River	8	Jonh's Marina, South of Dryden, downstream	29.80297	102.14281	Terrell	0.5-1.2	*Cyrtonaias tampicoensis*	
										Salina mucket
2008	3/1/2008	Rio Grande River	8	Jonh's Marina, South of Dryden, downstream	29.80297	102.14281	Terrell	0.5-1.2	*Potamilus metnecktayi*	
2008	**3/1/2008**	**Rio Grande River**	**8**	**Jonh's Marina, South of Dryden, downstream**	**29.80297**	**102.14281**	**Terrell**	**0.5-1.2**	**Total found**	**Total found**
2008	**3/1/2008**	**Rio Grande River**	**8**	**Jonh's Marina, South of Dryden, downstream**	**29.80297**	**102.14281**	**Terrell**	**0.5-1.2**	**Total species found**	**Total species found**

2008	**3/2/2008**	**San Felipe Creek**	**1**	**Del Rio, within Del Rio City Park**	**29.36906**	**100.36906**	**Val Verde**	**0.2-1.2**	***none***	***none***
2008	**3/3/2008**	**Rio Grande River**	**1**	**Del Rio, upstream from the International Bridge in Del Rio up to a small dam**	**29.32719**	**100.92794**	**Val Verde**	**0.2 - 1.2**	***none***	***none***
2008	**3/3/2008**	**Las Moras Creek**	**1**	**Fort Clark Springs, Bracketville, springs, downstream from the pool**	**29.30822**	**100.42065**	**Kinney**	**0.2 - 2**	***none***	***none***
2008	**3/4/2008**	**Rio Grande River**	**1**	**Del Rio, south of Rio Grande Street, on North from the International Bridge**	**29.33403**	**100.93990**	**Val Verde**	**0.2 - 1.2**	***none***	***none***
2008	3/4/2008	Rio Grande River	1	Vera Verde St., between Del Rio and the Amistad Dam	29.36938	101.01040	Val Verde	0.2 - 1.5	*Cyrtonaias tampicoensis*	Tampico pearlymussel Texas hornshell
2008	3/4/2008	Rio Grande River	1	Vera Verde St., between Del Rio and the Amistad Dam	29.36938	101.01040	Val Verde	0.2 - 1.5	*Popenaias popei*	

2008	**3/4/2008**	**Rio Grande River**	**1**	**Vera Verde St., between Del Rio and the Amistad Dam**	**29.36938**	**101.01040**	**Val Verde**	**0.2 - 1.5**	**Total found**	**Total found**
2008	**3/4/2008**	**Rio Grande River**	**1**	**Vera Verde St., between Del Rio and the Amistad Dam**	**29.36938**	**101.01040**	**Val Verde**	**0.2 - 1.5**	**Total species found**	**Total species found**
2008	**3/4/2008**	**Dolan Falls at Devils River**	**1**	**Devils River State Park (TPWD), 277 to Dolan Cr Rd to Park Rd**	**29.89674**	**100.99644**	**Val Verde**	**0.2 - 0.5**	**none**	**none**
2008	**3/5/2008**	**Sycamore Creek**	**1**	**US 277 South of Del Rio**	**29.25452**	**100.75156**	**Val Verde**	**0.2- 1.0**	**none**	**none**
2008	**3/5/2008**	**Rio Grande River**	**1**	**Quemado**	**28.94024**	**100.64556**	**Maverick**	**0.2 - 1.5**	***none***	Tampico pearlymussel
2008	3/5/2008	Rio Grande River	1	at power point plant, end of RD 1907, sount of Normandy, North of Eagle Pass	28.82867	100.55437	Maverick	0.2 - 1.2	*Cyrtonaias tampicoensis*	

2008	**3/5/2008**	**Rio Grande River**	**1**	**at power point plant, end of RD 1907, sount of Normandy, North of Eagle Pass**	**28.82867**	**100.55437**	**Maverick**	**0.2 - 1.2**	**Total found**	**Total found**
2008	**3/5/2008**	**Rio Grande River**	**1**	**at power point plant, end of RD 1907, sount of Normandy, North of Eagle Pass**	**28.82867**	**100.55437**	**Maverick**	**0.2 - 1.2**	**Total species found**	**Total species found**
2008	3/6/2008	Rio Grande River	1	Eagle Pass, Second International Bridge (before railroad bridge) close to golf course	28.69792	100.50998	Maverick	0.2 - 1.2	*Truncilla cognata*	Mexican fawnsfoot
2008	3/6/2008	Rio Grande River	1	Eagle Pass, Second International Bridge (before railroad bridge) close to golf course	28.69792	100.50998	Maverick	0.2 - 1.2	*Cyrtonaias tampicoensis*	Tampico pearlymussel
2008	**3/6/2008**	**Rio Grande River**	**1**	**Second International Bridge (before railroad bridge) close to golf course**	**28.69792**	**100.50998**	**Maverick**	**0.2 - 1.2**	**Total found**	**Total found**
2008	**3/6/2008**	**Rio Grande River**	**1**	**Second International Bridge (before railroad bridge) close to golf course**	**28.69792**	**100.50998**	**Maverick**	**0.2 - 1.2**	**Total species found**	**Total species found**

										Paper pondshell
2008	3/6/2008	San Ambrosia Creek	1	North of Laredo at Eagle Pass Road (1021)	28.18903	100.09287	Webb	0.2 - 1.0	*Utterbackia imbecillis*	
2008	**3/6/2008**	**San Ambrosia Creek**	**1**	**North of Laredo at Eagle Pass Road (1021)**	**28.18903**	**100.09287**	**Webb**	**0.2 - 1.0**	**Total found**	**Total found**
2008	**3/6/2008**	**San Ambrosia Creek**	**1**	**North of Laredo at Eagle Pass Road (1021)**	**28.18903**	**100.09287**	**Webb**	**0.2 - 1.0**	**Total species found**	**Total species found**
										Southern mapleleaf
2008	3/6/2008	Rio Grande River	1	Laredo, in the Las Palmas Trail, Justo Penn Park	27.49928 - 27.49908	99.49892 - 99.49875	Webb	0.2 - 1.5	*Quadrula apiculata*	
										Mexican fawnsfoot
2008	3/6/2008	Rio Grande River	1	Laredo, in the Las Palmas Trail, Justo Penn Park	27.49928 - 27.49908	99.49892 - 99.49875	Webb	0.2 - 1.5	*Truncilla cognata*	
										Texas hornshell
2008	3/6/2008	Rio Grande River	1	Laredo, in the Las Palmas Trail, Justo Penn Park	27.49928 - 27.49908	99.49892 - 99.49875	Webb	0.2 - 1.5	*Popenaias popei*	

										Yellow Sandshell
2008	3/6/2008	Rio Grande River	1	Laredo, in the Las Palmas Trail, Justo Penn Park	27.49928 - 27.49908	99.49892 - 99.49875	Webb	0.2 - 1.5	*Lampsilis teres*	
2008	**3/6/2008**	**Rio Grande River**	**1**	**Laredo, in the Las Palmas Trail, Justo Penn Park**	**27.49928 - 27.49908**	**99.49892 - 99.49875**	**Webb**	**0.2 - 1.5**	**Total found**	**Total found**
2008	**3/6/2008**	**Rio Grande River**	**1**	**Laredo, in the Las Palmas Trail, Justo Penn Park**	**27.49928 - 27.49908**	**99.49892 - 99.49875**	**Webb**	**0.2 - 1.5**	**Total species found**	**Total species found**
				Laredo, end of the island on the Las Palmos Trail Justo Penn Park, close to Water Treatment Palnt						Mexican fawnsfoot
2008	3/7/2008	Rio Grande River	5	(South of Marcella	27.49824	99.49359	Webb	0.2 - 1.0	*Truncilla cognata*	
				Laredo, end of the island on the Las Palmos Trail Justo Penn Park, close to Water Treatment Palnt						Southern mapleleaf
2008	3/7/2008	Rio Grande River	5	(South of Marcella	27.49824	99.49359	Webb	0.2 - 1.0	*Quadrula apiculata*	
2008	**3/7/2008**	**Rio Grande River**	**5**	**the island on the Las Palmos Trail Justo Penn Park, close to Water Treatment Palnt (South of**	**27.49824**	**99.49359**	**Webb**	**0.2 - 1.0**	**Total found**	**Total found**

2008	**3/7/2008**	**Rio Grande River**	**5**	**the island on the Las Palmos Trail Justo Penn Park, close to Water Treatment Palnt (South of**	**27.49824**	**99.49359**	**Webb**	**0.2 - 1.0**	**Total species found**
									Tampico pearlymussel
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Cyrtonaias tampicoensis*
									Southern mapleleaf
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Quadrula apiculata*
									Texas Pimpleback
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Quadrula petrina*
									Bluefer
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Potamilus purpuratus*
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Quadrula apiculata*
									Southern mapleleaf

									Paper pondshell
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Utterbackia imbecillis*
									Fragile Papershell
2008	7/27-30/2008	Concho River	16	Paint Rock at Indian Pictorams, Mr.Campbell property	31.520728 - 31.51972	99.932587 - 99.94067	Concho	0.2 - 1.2	*Leptodea fragilis*
2008	**7/27-30/2008**	**Concho River**	**16**	**Paint Rock at Indian Pictorams, Mr.Campbell property**	**31.520728 - 31.51972**	**99.932587 - 99.94067**	**Concho**	**0.2 - 1.2**	**Total found in 59 quadrats, 48 transects and 3 time searches**
2008	**7/27-30/2008**	**Concho River**	**16**	**Paint Rock at Indian Pictorams, Mr.Campbell property**	**31.520728 - 31.51972**	**99.932587 - 99.94067**	**Concho**	**0.2 - 1.2**	**Total species found in 59 quadrats, 48 transects and 3 time searches**
									Tampico Pearlymussel
2008	7/29/2008	Concho River	4	CR 1692 crossing upstream of Paint Rock, below the bridge	31.539093	100.18037	Concho	0.3- 1.3	*Cyrtonaias tampicoensis*
2008	**7/29/2008**	**Concho River**	**4**	**CR 1692 crossing upstream of Paint Rock, below the bridge**	**31.539093**	**100.18037**	**Concho**	**0.3- 1.3**	**Total found**

2008	**7/29/2008**	**Concho River**	**4**	**CR 1692 crossing upstream of Paint Rock, below the bridge**	**31.539093**	**100.18037**	**Concho**	**0.3-1.3**	**Total species found**	**Total species found**
2008	**7/29/2008**	**Concho River**	**4**	**FM 381 crossing upstream of Paint Rock**	**31.52013 to 31.51958**	**100.09343 to 100.09646**	**Concho**	**0.3-1.2**	**none**	**none**
2008	7/30/2008	Concho River	11	Lower Concho River below Paint Rock to Concho, on private ranch, upstream from a hunting camp	31.5451 - 31.5383	99.85072 - 99.81520	Concho	0.2-1.3	*Cyrtonaias tampicoensis*	Tampico Pearlymussel
2008	7/30/2008	Concho River	11	Lower Concho River below Paint Rock to Concho, on private ranch, upstream from a hunting camp	31.5451 - 31.5383	99.85072 - 99.81520	Concho	0.2-1.3	*Potamilus purpuratus*	Bluefer
2008	**7/30/2008**	**Concho River**	**11**	**Lower Concho River below Paint Rock to Concho, on private ranch, upstream from a hunting camp**	**31.5451 - 31.5383**	**99.85072 - 99.81520**	**Concho**	**0.2-1.3**	**Total found**	**Total found**
2008	**7/30/2008**	**Concho River**	**25**	**Lower Concho River below Paint Rock to Concho, on private ranch, upstream from a hunting camp**	**31.5451 - 31.5383**	**99.85072 - 99.81520**	**Concho**	**0.2-1.3**	**Total species found**	**Total species found**

2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Amblema plicata*	Threeridge
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Arcidens confragosus*	Rock pocketbook
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Lampsilis satura*	Sandbank pocketbook
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Lampsilis teres*	Yellow sandshell
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Megalonaias nervosa*	Washboard
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Obliquaria reflexa*	Threehorn wartyback

2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Plectomerus dombeyanus*	Bankclimber
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Potamilus amphichaenus*	Texas heelsplitter
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Potamilus purpuratus*	Bluefer
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula apiculata*	Southern mapleleaf
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula mortoni*	Western pimpleback
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula nobilis*	Gulf mapleleaf

2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Quadrula nodulata*	Wartyback
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Tritogonia verrucosa*	Pistolgrip
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Truncilla donaciformis*	Fawnsfoot
2004	8/1/2004	Neches River	1	500 m below Town Bluff Dam	30°47.567N	094°10.079W	Jasper, Tyler	0.1-0.5	*Truncilla truncata*	Deertoe
2004	**8/1/2004**	**Neches River**	**1**	**500 m below Town Bluff Dam**	**30°47.567N**	**094°10.079W**	**Jasper, Tyler**	**0.1-0.5**	**Total found**	**Total found**
2004	**8/1/2004**	**Neches River**	**1**	**500 m below Town Bluff Dam**	**30°47.567N**	**094°10.079W**	**Jasper, Tyler**	**0.1-0.5**	**Total species found**	**Total species found**

									Western pimpleback
2004	10/30/2004	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Quadrula mortoni*
2004	10/30/2004	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Glebula rotundata*	Round pearlshell
2004	10/30/2004	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Pyganodon grandis*	Giant floater
2004	10/30/2004	Buffalo Bayou, Bear Creek	1	Below Addicks Dam, north of I-10 and east of SH6	not recorded	not recorded	Harris	0.2-1.2	*Quadrula apiculata*	Southern mapleleaf
2004	**10/30/2004**	**Buffalo Bayou, Bear Creek**	**1**	**Below Addicks Dam, north of I-10 and east of SH6**	**not recorded**	**not recorded**	**Harris**	**0.2-1.2**	**Total found**	**Total found**
2004	**10/30/2004**	**Buffalo Bayou, Bear Creek**	**1**	**Below Addicks Dam, north of I-10 and east of SH6**	**not recorded**	**not recorded**	**Harris**	**0.2-1.2**	**Total species found**	**Total species found**

										Bankclimber
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Plectomerus dombeyanus*	
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Quadrula mortoni*	Western Pimpleback
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Quadrula apiculata*	Southern mapleleaf
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Amblema plicata*	Threeridge
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Lampsilis teres*	Yellow sandshell
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Leptodea fragilis*	Fragile Papershell

										Giant Floater
2003	5/18/2003	Big Lake	1	PR 6903, Palestine TX, 75803	not recorded	not recorded	Anderson	0.2-1.5	*Pyganodon grandis*	
2003	**5/18/2003**	**Big Lake**	**1**	**PR 6903, Palestine TX, 75803**	**not recorded**	**not recorded**	**Anderson**	**0.2-1.5**	**Total found**	**Total found**
2003	**5/18/2003**	**Big Lake**	**1**	**PR 6903, Palestine TX, 75803**	**not recorded**	**not recorded**	**Anderson**	**0.2-1.5**	**Total species found**	**Total species found**
2003	13-May-03	Angelina River	1	US 59 crossing	31°27'28N	94°43'44	Nacogdoches, Angelina	0.5-1	*Amblema plicata*	Threeridge
2003	13-May-03	Angelina River	1	US 59 crossing	31°27'28N	94°43'44	Nacogdoches, Angelina	0.5-1	*Quadrula mortoni*	Western pimpleback
2003	13-May-03	Angelina River	1	US 59 crossing	31°27'28N	94°43'44	Nacogdoches, Angelina	0.5-1	*Plectomerus dombeyanus*	Bankclimber

2003	13-May-03	Angelina River	1 US 59 crossing	31°27'28N	94°43'44	Nacogdoches, Angelina	0.5-1	*Tritogonia verrucosa*	Pistolgrip
2003	**13-May-03**	**Angelina River**	**1 US 59 crossing**	**31°27'28N**	**94°43'44**	**Nacogdoches, Angelina**	**0.5-1**	**Total found**	**Total found**
2003	**13-May-03**	**Angelina River**	**1 US 59 crossing**	**31°27'28N**	**94°43'44**	**Nacogdoches, Angelina**	**0.5-1**	**Total species found**	**Total species found**

Total Live	Recently dead	Live+Recently Dead	Total Shells	Total valves	Method	Time search, man/hr	TS Live Density, live mussel/mh	Density, Recently dead/mh	Density, Live+Recently dead/mh
29	0	29	5	1	Time search	1.5	19.3	0.0	19.3
4	0	4	0	0	Time search	1.5	2.7	0.0	2.7
4	0	4	1	1	Time search	1.5	2.7	0.0	2.7
16	0	16	1	0	Time search	1.5	10.7	0.0	10.7
22	0	22	0	0	Time search	1.5	14.7	0.0	14.7

5	0	5	0	0	Time search	1.5	3.3	0.0	3.3
1	0	1	0	0	Time search	1.5	0.7	0.0	0.7
0	4	4	12	0	Time search	1.5	0.0	2.7	2.7
2	0	2	0	0	Time search	1.5	0.8	0.0	1.3
2	0	2	1	0	Time search	1.5	1.3	0.0	1.3
1	0	1	0	0	Time search	1.5	0.7	0.0	0.7

1	0	1	1	0	Time search	1.5	0.7	0.0	0.7
6	0	6	6	0	Time search	1.5	4.0	0.0	4.0
1	0	1	0	0	Time search	1.5	0.7	0.0	0.7
94	**4**	**98**	**27**	**2**	**Time search**	**1.5**	**62.7**	**2.7**	**65.3**
13	**1**	**14**	**7**	**2**	**Time search**	**1.5**	**8.7**	**0.7**	**9.3**
71	0	71	3	0	Time search	2.668	26.6	0.0	26.6

5	0	5	0	0	Time search	2.668	1.9	0.0	1.9
1	0	1	0	0	Time search	2.668	0.4	0.0	0.4
2	0	2	0	0	Time search	2.668	0.7	0.0	0.7
1	0	1	0	0	Time search	2.668	0.4	0.0	0.4
10	0	10	0	0	Time search	2.668	3.7	0.0	3.7
13	0	13	1	0	Time search	2.668	4.9	0.0	4.9

1	0	1	0	0	Time search	2.668	0.4	0.0	0.4
3	1	4	1	0	Time search	2.668	1.1	0.4	1.5
5	1	6	2	0	Time search	2.668	1.9	0.4	2.2
2	0	2	0	0	Time search	2.668	0.7	0.0	0.7
3	0	3	0	0	Time search	2.668	1.1	0.0	1.1
31	0	31	0	0	Time search	2.668	11.6	0.0	11.6

1	0	1	0	0 Time search	2.668	0.4	0.0	0.4
13	0	13	1	0 Time search	2.668	4.9	0.0	4.9
1	0	1	0	0 Quadrats		0.8		0.8
163	**2**	**165**	**8**	**0 Time search**	**2.668**	**61.1**	**0.7**	**61.8**
16	**2**	**16**	**5**	**0 Time search**	**2.668**	**5.2**	**0.7**	**6.0**
1	0	1	0	0 Time search	1.5	0.7	0.0	0.7

1	0	1	0	0 Time search	1.5	0.7	0.0	0.7
2	0	2	1	0 Time search	1.5	1.3	0.0	1.3
0	0	0	2	0 Time search	1.5	0.0	0.0	0.0
4	**0**	**4**	**3**	**0 Time search**	**1.5**	**2.7**	**0.0**	**2.7**
3	**0**	**3**	**1**	**0 Time search**	**1.5**	**2.0**	**0.0**	**2.0**
2	1	3	2	0 Time search	1	2.0	1.0	3.0

0	0	0	1	1 Time search	1	0.0	0.0	0.0
2	**1**	**3**	**2**	**0 Time search**	**1**	**2.0**	**1.0**	**3.0**
1	**1**	**1**	**2**	**1 Time search**	**1**	**1.0**	**1.0**	**1.0**
48	0	48	16	3 Time search	2.5	19.2	0.0	19.2
9	0	9	5	1 Time search	2.5	3.6	0.0	3.6
1	0	1	0	0 Time search	2.5	0.4	0.0	0.4

0	1	1	1	0	Time search	2.5	0.0	0.4	0.4
2	0	2	0	0	Time search	2.5	0.8	0.0	0.8
12	0	12	0	0	Time search	2.5	4.8	0.0	4.8
51	0	51	0	0	Time search	2.5	20.4	0.0	20.4
9	0	9	0	0	Time search	2.5	3.6	0.0	3.6
15	0	15	1	0	Time search	2.5	6.0	0.0	6.0

18	0	18	4	0	Time search	2.5	7.2	0.0	7.2
2	0	2	0	0	Time search	2.5	0.8	0.0	0.8
0	0	0	2	0	Time search	2.5	0.0	0.0	0.0
10	0	10	0	0	Time search	2.5	4.0	0.0	4.0
3	0	3	0	0	Time search	2.5	1.2	0.0	1.2
1	0	1	0	0	Time search	2.5	0.4	0.0	0.4

3	0	3	0	0	Time search	2.5	1.2	0.0	1.2
184	**1**	**185**	**29**	**4**	**Time search**	**2.5**	**73.6**	**0.4**	**74.0**
14	**1**	**15**	**6**	**2**	**Time search**	**2.5**	**5.6**	**0.4**	**6.0**
0	12	12	14	0	Random search at drawdown			*1.395348837*	*1.395348837*
0	4	4	5	0	Random search at drawdown			*0.465116279*	*0.465116279*
0	18	18	36	0	Random search at drawdown			*2.093023256*	*2.093023256*

0	24	24	66	0	Random search at drawdown	2.790697674	2.790697674
0	3	3	5	0	Random search at drawdown	0.348837209	0.348837209
0	26	26	30	3	Random search at drawdown	3.023255814	3.023255814
0	90	90	150	0	Random search at drawdown	10.46511628	10.46511628
0	86	86	119	3	Random search at drawdown	10	10
0	5	5	8	0	Random search at drawdown	0.581395349	0.581395349

0	88	88	100	0	Random search at drawdown	*10.23255814*	*10.23255814*
0	3	3	3	1	Random search at drawdown	*0.348837209*	*0.348837209*
0	12	12	13	0	Random search at drawdown	*1.395348837*	*1.395348837*
0	20	20	27	0	Random search at drawdown	*2.325581395*	*2.325581395*
0	136	136	170	1	Random search at drawdown	*15.81395349*	*15.81395349*
0	71	71	99	0	Random search at drawdown	*8.255813953*	*8.255813953*

0	0	0	1	0	Random search at drawdown			*0*	*0*
0	4	4	4	0	Random search at drawdown			*0.465116279*	*0.465116279*
0	11	11	12	0	Random search at drawdown			*1.279069767*	*1.279069767*
0	**613**	**613**	**862**		**Random search at drawdown**			***71.27906977***	***71.27906977***
0	**17**	**17**	**18**		**Random search at drawdown**				
0	1	1	1	0	Time search	1	0.0	1.0	1.0

0	0	0	1	0	Time search	1	0.0	0.0	0.0
0	7	7	12	4	Time search	1	0.0	7.0	7.0
0	2	2	2	0	Time search	1	0.0	2.0	2.0
0	1	1	2	0	Time search	1	0.0	1.0	1.0
0	1	1	3	0	Time search	1	0.0	1.0	1.0
0	**12**	**12**	**21**	**4**	**Time search**	**1**	**0.0**	**12.0**	**12.0**

0	**5**	**5**	**6**	**1**	**Time search**	**1**	**0.0**	**5.0**	**5.0**
0			1	1	Random search on shores after the channel clean-up				
0			0	1	Random search on shores after the channel clean-up				
0			0	1	Random search on shores after the channel clean-up				
0			0	4	Random search on shores after the channel clean-up				
0			**1**	**7**	**Random search on shores after the channel clean-up**				

0			**1**	**4**	**Random search on shores after the channel clean-up**				
15	2	17	7	0	Time search	2.17	6.9	0.9	7.8
2	1	3	1	0	Time search	2.17	0.9	0.5	1.4
1	0	1	1	0	Time search	2.17	0.5	0.0	0.5
1	0	1	3	0	Time search	2.17	0.5	0.0	0.5
2	0	2	0	0	Time search	2.17	0.9	0.0	0.9

0	1	1	1	0	Time search	2.17	0.0	0.5	0.5
0	3	3	3	0	Time search	2.17	0.0	1.4	1.4
29	6	35	12	3	Time search	2.17	13.4	2.8	16.1
1	0	1	0	0	Time search	2.17	0.5	0.0	0.5
4	0	4	0	1	Time search	2.17	1.8	0.0	1.8
1	0	1	0	0	Time search	2.17	0.5	0.0	0.5

56	**13**	**69**	**28**	**4 Time search**	**2.17**	**25.8**	**6.0**	**31.8**
9	**5**	**11**	**7**	**2 Time search**	**2.17**	**4.1**	**2.3**	**5.1**
1	0	1	0	0 Time search	0.75	1.3	0.0	1.3
3	0	3	0	0 Time search	0.75	4.0	0.0	4.0
0	0	0	1	0 Time search	0.75	0.0	0.0	0.0
4	**0**	**4**	**1**	**0 Time search**	**0.75**	**5.3**	**0.0**	**5.3**

2	**0**	**2**	**1**	**0 Time search**	**0.75**	**2.7**	**0.0**	**2.7**
6	2	8	5	0 Time search	4	1.5	0.5	2.0
3	2	5	6	0 Time search	4	0.8	0.5	1.3
0	0	0	3	0 Time search	4	0.0	0.0	0.0
0	0	0	1	0 Time search	4	0.0	0.0	0.0
1	4	5	8	0 Time search	4	0.3	1.0	1.3

1	1	2	10	0	Time search	4	0.3	0.3	0.5
0	2	2	2	0	Time search	4	0.0	0.5	0.5
1	2	3	4	0	Time search	4	0.3	0.5	0.8
0	3	3	3	0	Time search	4	0.0	0.8	0.8
0	1	1	1	1	Time search	4	0.0	0.3	0.3
0	0	0	10	0	Time search	4	0.0	0.0	0.0

12	**17**	**29**	**53**	**1**	**Time search**	**4**	**3.0**	**4.3**	**7.3**
5	**8**	**8**	**11**	**1**	**Time search**	**4**	**1.3**	**2.0**	**2.0**
0	82	82	87	0	Time search	2.1	0.0	39.0	39.0
0	2	2	4	0	Time search	2.1	0.0	1.0	1.0
0	0	0	1	0	Time search	2.1	0.0	0.0	0.0
0	1	1	1	0	Time search	2.1	0.0	0.5	0.5

0	0	0	3	3	Time search	2.1	0.0	0.0	0.0
0	**85**	**85**	**96**	**3**	**Time search**	**2.1**	**0.0**	**40.5**	**40.5**
0	**3**	**3**	**5**	**1**	**Time search**	**2.1**	**0.0**	**1.4**	**1.4**
0	4	4	59	11	Time search	0.99	0.0	4.0	4.0
0	0	0	4	3	Time search	0.99	0.0	0.0	0.0
0	0	0	1	0	Time search	0.99	0.0	0.0	0.0

0	0	0	2	2	Time search	0.99	0.0	0.0	0.0
0	0	0	15	10	Time search	0.99	0.0	0.0	0.0
0	**4**	**4**	**81**	**26**	**Time search**	**0.99**	**0.0**	**4.0**	**4.0**
0	**1**	**1**	**5**	**4**	**Time search**	**0.99**	**0.0**	**1.0**	**1.0**
30	0	30	11	0	Time search	0.66	45.5	0.0	45.5
1	0	1	0	0	Time search	0.66	1.5	0.0	1.5

2	0	2	4	0	Time search	0.66	3.0	0.0	3.0
3	0	3	3	0	Time search	0.66	4.5	0.0	4.5
0	0	0	2	0	Time search	0.66	0.0	0.0	0.0
1	0	1	0	0	Time search	0.66	1.5	0.0	1.5
1	0	1	0	0	Time search	0.66	1.5	0.0	1.5
1	0	1	1	0	Time search	0.66	1.5	0.0	1.5

0	0	0	1	0 Time search	0.66	0.0	0.0	0.0
0	0	0	1	0 Time search	0.66	0.0	0.0	0.0
39	**0**	**39**	**23**	**0 Time search**	**0.66**	**59.1**	**0.0**	**59.1**
7	**0**	**7**	**7**	**0 Time search**	**0.66**	**10.6**	**0.0**	**10.6**
0	0	0	1	7 Time search	2.32	0.0	0.0	0.0
0	0	0	2	5 Time search	2.32	0.0	0.0	0.0

0	0	0	1	0	Time search	2.32	0.0	0.0	0.0
0	0	0	0	6	Time search	2.32	0.0	0.0	0.0
0	0	0	1	7	Time search	2.32	0.0	0.0	0.0
0	0	0	0	1	Time search	2.32	0.0	0.0	0.0
0	**0**	**0**	**5**	**26**	**Time search**	**2.32**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**4**	**5**	**Time search**	**2.32**	**0.0**	**0.0**	**0.0**

3	0	3	0	0 Time search	3.24	0.9	0.0	0.9
1	0	1	0	0 Time search	3.24	0.3	0.0	0.3
1	0	1	0	0 Time search	3.24	0.3	0.0	0.3
0	1	1	1	0 Time search	3.24	0.0	0.3	0.3
5	**1**	**6**	**1**	**0 Time search**	**3.24**	**1.5**	**0.3**	**1.9**
3	**1**	**4**	**1**	**0 Time search**	**3.24**	**0.9**	**0.3**	**1.2**

0	0	0	10	4 Time search	2	0.0	0.0	0.0
0	0	0	1	1 Time search	2	0.0	0.0	0.0
0	0	0	1	0 Time search	2	0.0	0.0	0.0
0	0	0	1	0 Time search	2	0.0	0.0	0.0
0	**0**	**0**	**13**	**5 Time search**	**2**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**4**	**2 Time search**	**2**	**0.0**	**0.0**	**0.0**

10	0	10	1	0 Time search	1.5	6.7	0.0	6.7
17	0	17	0	0 Time search	1.5	11.3	0.0	11.3
1	2	3	2	0 Time search	1.5	0.7	1.3	2.0
9	0	9	0	0 Time search	1.5	6.0	0.0	6.0
1	0	1	0	0 Time search	1.5	0.7	0.0	0.7
38	**2**	**40**	**3**	**0 Time search**	**1.5**	**25.3**	**1.3**	**26.7**

5	**1**	**5**	**2**	**0 Time search**	**1.5**	**3.3**	**0.7**	**3.3**
1	60	61	60	1 Time search	3.25	0.3	18.5	18.8
3	12	15	24	0 Time search	3.25	0.9	3.7	4.6
0	29	29	31	1 Time search	3.25	0.0	8.9	8.9
18	183	201	189	0 Time search	3.25	5.5	56.3	61.8
5	66	71	69	0 Time search	3.25	1.5	20.3	21.8

1	42	43	45	0	Time search	3.25	0.3	12.9	13.2
1	28	29	29	0	Time search	3.25	0.3	8.6	8.9
3	95	98	95	4	Time search	3.25	0.9	29.2	30.2
0	39	39	39	3	Time search	3.25	0.0	12.0	12.0
0	9	9	9	0	Time search	3.25	0.0	2.8	2.8
6	31	37	31	0	Time search	3.25	1.8	9.5	11.4

0	1	1	1	0	Time search	3.25	0.0	0.3	0.3
0	3	3	7	0	Time search	3.25	0.0	0.9	0.9
0	14	14	14	0	Time search	3.25	0.0	4.3	4.3
0	12	12	12	0	Time search	3.25	0.0	3.7	3.7
0	38	38	38	0	Time search	3.25	0.0	11.7	11.7
0	1	1	1	0	Time search	3.25	0.0	0.3	0.3

0	7	7	7	0 Time search	3.25	0.0	2.2	2.2
38	**670**	**708**	**701**	**9 Time search**	**3.25**	**11.7**	**206.2**	**217.8**
8	**18**	**18**	**18**	**4 Time search**	**3.25**	**2.5**	**5.5**	**5.5**
36	3	39	11	0 Time search	3	12.0	1.0	13.0
63	0	63	0	0 Time search	3	21.0	0.0	21.0
0	2	2	2	0 Time search	3	0.0	0.7	0.7

0	1	1	1	0	Time search	3	0.0	0.3	0.3
4	0	4	0	0	Time search	3	1.3	0.0	1.3
2	0	2	0	0	Time search	3	0.7	0.0	0.7
3	0	3	0	0	Time search	3	1.0	0.0	1.0
23	0	23	1	0	Time search	3	7.7	0.0	7.7
5	0	5	6	0	Time search	3	1.7	0.0	1.7

22	0	22	0	0 Time search	3	7.3	0.0	7.3
2	0	2	0	0 Time search	3	0.7	0.0	0.7
3	0	3	0	0 Time search	3	1.0	0.0	1.0
163	**6**	**169**	**21**	**0 Time search**	**3**	**54.3**	**2.0**	**56.3**
10	**3**	**12**	**5**	**0 Time search**	**3**	**3.3**	**1.0**	**4.0**
35	50	85	90	0 Time search	1.5	23.3	33.3	56.7

2	4	6	6	0 Time search	1.5	1.3	2.7	4.0
1	5	6	6	3 Time search	1.5	0.7	3.3	4.0
4	5	9	7	2 Time search	1.5	2.7	3.3	6.0
46	4	50	13	3 Time search	1.5	30.7	2.7	33.3
0	6	6	6	0 Time search	1.5	0.0	4.0	4.0
88	**74**	**162**	**128**	**8 Time search**	**1.5**	**58.7**	**49.3**	**108.0**

5	**6**	**6**	**6**	**3 Time search**	**1.5**	**3.3**	**4.0**	**4.0**
27	70	97	80	2 Time search	5.583	4.8	12.5	17.4
4	2	6	5	1 Time search	5.583	0.7	0.4	1.1
152	58	210	91	5 Time search	5.583	27.2	10.4	37.6
0	6	6	6	1 Time search	5.583	0.0	1.1	1.1
1	0	1	0	0 Time search	5.583	0.2	0.0	0.2

4	55	59	60	0 Time search	5.583	0.7	9.9	10.6
25	22	47	27	3 Time search	5.583	4.5	3.9	8.4
56	93	149	97	4 Time search	5.583	10.0	16.7	26.7
269	**306**	**575**	**366**	**16 Time search**	**5.583**	**48.2**	**54.8**	**103.0**
7	**7**	**8**	**7**	**6 Time search**	**5.583**	**1.3**	**1.3**	**1.4**
0	3	3	5	1 Time search	4	0.0	0.8	0.8

19	1	20	6	3 Time search	4	4.8	0.3	5.0
5	0	5	0	0 Time search	4	1.3	0.0	1.3
156	4	160	13	9 Time search	4	39.0	1.0	40.0
180	**8**	**188**	**24**	**13 Time search**	**4**	**45.0**	**2.0**	**47.0**
3	**3**	**4**	**3**	**3 Time search**	**4**	**0.8**	**0.8**	**1.0**
9	36	45	64	3 Time search	3.54	2.5	10.2	12.7

1	0	1	1	2	Time search	3.54	0.3	0.0	0.3
7	2	9	45	2	Time search	3.54	2.0	0.6	2.5
1	0	1	2	0	Time search	3.54	0.3	0.0	0.3
0	0	0	0	1	Time search	3.54	0.0	0.0	0.0
0	1	1	1	1	Time search	3.54	0.0	0.3	0.3
0	1	1	1	0	Time search	3.54	0.0	0.3	0.3

18	**40**	**58**	**113**	**9**	**Time search**	**3.54**	**5.1**	**11.3**	**16.4**
4	**4**	**6**	**5**	**5**	**Time search**	**3.54**	**1.1**	**1.1**	**1.7**
8	8	16	41	6	Time search	5	1.6	1.6	3.2
8	25	33	25	2	Time search	5	1.6	5.0	6.6
0	2	2	15	16	Time search	5	0.0	0.4	0.4
0	0	0	1	1	Time search	5	0.0	0.0	0.0

0	3	3	12	4	Time search	5	0.0	0.6	0.6
16	**38**	**54**	**94**	**29**	**Time search**	**5**	**3.2**	**7.6**	**10.8**
2	**4**	**4**	**5**	**5**	**Time search**	**5**	**0.4**	**0.8**	**0.8**
0	2	2	4	6	Time search	4	0.0	0.5	0.5
0	0	0	1	0	Time search	4	0.0	0.0	0.0
0	1	1	3	24	Time search	4	0.0	0.3	0.3

0	1	1	2	2	Time search	4	0.0	0.3	0.3
0	0.5	0.5	0	1	Time search	4	0.0	0.1	0.1
0	**4.5**	**4.5**	**10**	**33**	**Time search**	**4**	**0.0**	**1.1**	**1.1**
0	**4**	**4**	**4**	**4**	**Time search**	**4**	**0.0**	**1.0**	**1.0**
1	1	2	1	0	Time search	6	0.2	0.2	0.3
1	0	1	0	9	Time search	6	0.2	0.0	0.2

0	0	0	10	4	Time search	6	0.0	0.0	0.0
1	3	4	14	43	Time search	6	0.2	0.5	0.7
7	1	8	3	11	Time search	6	1.2	0.2	1.3
0	0	0	0	1	Time search	6	0.0	0.0	0.0
0	1	1	1	0	Time search	6	0.0	0.2	0.2
0	1	1	0	3	Time search	6	0.0	0.2	0.2

0	0.5	0.5	0	1	Time search	6	0.0	0.1	0.1
10	**7.5**	**17.5**	**29**	**72**	**Time search**	**6**	**1.7**	**1.3**	**2.9**
4	**6**	**7**	**5**	**7**	**Time search**	**6**	**0.7**	**1.0**	**1.2**
1	0	1	0	1	Time search	6	0.2	0.0	0.2
2	0	2	0	0	Time search	6	0.3	0.0	0.3
21	1	22	33	15	Time search	6	3.5	0.2	3.7

2	1	3	6	5 Time search	6	0.3	0.2	0.5
0	0	0	6	3 Time search	6	0.0	0.0	0.0
0	0	0	1	0 Time search	6	0.0	0.0	0.0
26	**2**	**28**	**46**	**24 Time search**	**6**	**4.3**	**0.3**	**4.7**
4	**2**	**4**	**4**	**4 Time search**	**6**	**0.7**	**0.3**	**0.7**
1	3	4	3	1 Time search	4	0.3	0.8	1.0

0	0	0	1	1 Time search	4	0.0	0.0	0.0
1	1	2	1	0 Time search	4	0.3	0.3	0.5
2	**4**	**6**	**5**	**2 Time search**	**4**	**0.5**	**1.0**	**1.5**
2	**2**	**2**	**3**	**2 Time search**	**4**	**0.5**	**0.5**	**0.5**
2	0	2	0	0 Time search	4	0.5	0.0	0.5
6	1	7	1	0 Time search	4	1.5	0.3	1.8

4	1	5	1	0 Time search	4	1.0	0.3	1.3
12	**2**	**14**	**2**	**0 Time search**	**4**	**3.0**	**0.5**	**3.5**
3	**2**	**3**	**2**	**0 Time search**	**4**	**0.8**	**0.5**	**0.8**
242	0	242	0	0 Time search	2.33	67.0	0.0	67.0
19	0	19	0	0 Time search	2.33	6.9	0.0	6.9
3	0	3	0	0 Time search	2.33	1.3	0.0	1.3

10	0	10	0	0	Time search	2.33	4.3	0.0	4.3
23	0	23	0	0	Time search	2.33	0.9	0.0	0.9
1	0	1	0	0	Time search	2.33	0.4	0.0	0.4
1	0	1	0	0	Time search	2.33	0.4	0.0	0.4
1	0	1	0	0	Time search	2.33	0.4	0.0	0.4
91	1	92	1	0	Time search	2.33	34.8	0.4	34.8

391	**1**	**392**	**1**	**0 Time search**	**2.33**	**97.0**	**0.4**	**97.0**
9	**1**	**9**	**1**	**0 Time search**	**2.33**	**3.9**	**0.4**	**3.9**
8	0	8	0	0 Time search	1.75	4.6	0.0	4.6
2	1	3	1	0 Time search	1.75	1.1	0.6	1.7
1	0	1	0	0 Time search	1.75	0.6	0.0	0.6
2	0	2	0	0 Time search	1.75	1.1	0.0	1.1

5	0	5	0	0 Time search	1.75	2.9	0.0	2.9
2	0	2	0	0 Time search	1.75	1.1	0.0	1.1
15	0	15	6	0 Time search	1.75	8.6	0.0	8.6
17	0	17	14	0 Time search	1.75	9.7	0.0	9.7
52	**1**	**53**	**21**	**0 Time search**	**1.75**	**29.7**	**0.6**	**30.3**
8	**1**	**8**	**3**	**0 Time search**	**1.75**	**4.6**	**0.6**	**4.6**

25	0	25	4	0	Time search	1	25.0	0.0	25.0
20	0	20	3	0	Time search	1	20.0	0.0	20.0
7	0	7	0	0	Time search	1	7.0	0.0	7.0
5	0	5	0	0	Time search	1	5.0	0.0	5.0
2	0	2	0	0	Time search	1	2.0	0.0	2.0
1	0	1	6	0	Time search	1	1.0	0.0	1.0

0	0	0	1	0 Time search	1	0.0	0.0	0.0
7	0	7	1	0 Time search	1	7.0	0.0	7.0
67	**0**	**67**	**15**	**0 Time search**	**1**	**67.0**	**0.0**	**67.0**
7	**0**	**7**	**5**	**0 Time search**	**1**	**7.0**	**0.0**	**7.0**
0	1	1	1	0 Time search	0.668	0.0	1.5	1.5
0	0	0	0	1 Time search	0.668	0.0	0.0	0.0

0	**1**	**1**	**1**	**1 Time search**	**0.668**	**0.0**	**1.5**	**1.5**
0	**1**	**1**	**1**	**1 Time search**	**0.668**	**0.0**	**1.5**	**1.5**
0	0	0	1	1 Time search	4.41	0.0	0.0	0.0
0	0	0	0	1 Time search	4.41	0.0	0.0	0.0
0	**0**	**0**	**1**	**2 Time search**	**4.41**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**1**	**2 Time search**	**4.41**	**0.0**	**0.0**	**0.0**

25	4	29	9	2	Time search	12.42	2.0	0.3	2.3
5	4	9	4	3	Time search	12.42	0.4	0.3	0.7
16	3	19	4	3	Time search	12.42	1.3	0.2	1.5
0	0	0	1	0	Time search	12.42	0.0	0.0	0.0
0	0	0	3	6	Time search	12.42	0.0	0.0	0.0
0	25	25	25	2	Time search	12.42	0.0	2.0	2.0

46	**36**	**82**	**46**	**16 Time search**	**12.42**	**3.7**	**2.9**	**6.6**
3	**4**	**4**	**6**	**5 Time search**	**12.42**	**0.2**	**0.3**	**0.3**
0	2	2	2	0 Time search	4.168	0.0	0.5	0.5
0	0	0	0	2 Time search	4.168	0.0	0.0	0.0
0	0	0	0	1 Time search	4.168	0.0	0.0	0.0
0	0	0	0	1 Time search	4.168	0.0	0.0	0.0

0	**2**	**2**	**2**	**4 Time search**	**4.168**	**0.0**	**0.5**	**0.5**
0	**1**	**1**	**2**	**4 Time search**	**4.168**	**0.0**	**0.2**	**0.2**
94	37	131	37	5 Time search	1.75	53.7	21.1	74.9
7	3	10	3	0 Time search	1.75	4.0	1.7	5.7
0	0	0	1	3 Time search	1.75	0.0	0.0	0.0
164	27	191	27	1 Time search	1.75	93.7	15.4	109.1

6	16	22	16	0 Time search	1.75	3.4	9.1	12.6
3	15	18	15	0 Time search	1.75	1.7	8.6	10.3
1	1	2	1	0 Time search	1.75	0.6	0.6	1.1
275	**99**	**374**	**100**	**9 Time search**	**1.75**	**157.1**	**56.6**	**213.7**
6	**6**	**6**	**7**	**3 Time search**	**1.75**	**3.4**	**3.4**	**3.4**
45	12	57	12	1 Time search	9.75	4.6	1.2	5.8

42	1	43	5	1	Time search	9.75	4.3	0.1	4.4
18	7	25	9	1	Time search	9.75	1.8	0.7	2.6
11	9	20	9	1	Time search	9.75	1.1	0.9	2.1
1	0	1	2	1	Time search	9.75	0.1	0.0	0.1
1	0	1	0	0	Time search	9.75	0.1	0.0	0.1
0	0	0	1	1	Time search	9.75	0.0	0.0	0.0

0	0	0	0	1	Time search	9.75	0.0	0.0	0.0
118	**29**	**147**	**38**	**7**	**Time search**	**9.75**	**12.1**	**3.0**	**15.1**
6	**4**	**6**	**6**	**7**	**Time search**	**9.75**	**0.6**	**0.4**	**0.6**
28	12	40	12	1	Time search	3	9.3	4.0	13.3
38	28	66	28	0	Time search	3	12.7	9.3	22.0
5	0	5	0	0	Time search	3	1.7	0.0	1.7

10	1	11	1	0	Time search	3	3.3	0.3	3.7
0	1	1	1	0	Time search	3	0.0	0.3	0.3
3	0	3	0	0	Time search	3	1.0	0.0	1.0
3	0	3	0	0	Time search	3	1.0	0.0	1.0
24	3	27	3	0	Time search	3	8.0	1.0	9.0
111	**45**	**156**	**45**	**1**	**Time search**	**3**	**37.0**	**15.0**	**52.0**

7	**5**	**8**	**5**	**1**	**Time search**	**3**	**2.3**	**1.7**	**2.7**
6	0	6	*not recorded*	*not recorded*	Time search for live mussels only	2.83	2.1	0.0	2.1
38	0	38	*not recorded*	*not recorded*	Time search for live mussels only	2.83	13.4	0.0	13.4
127	0	127	*not recorded*	*not recorded*	Time search for live mussels only	2.83	44.9	0.0	44.9
22	0	22	*not recorded*	*not recorded*	Time search for live mussels only	2.83	7.8	0.0	7.8
20	0	20	*not recorded*	*not recorded*	Time search for live mussels only	2.83	7.1	0.0	7.1

8	0	8	*not recorded*	*not recorded*	Time search for live mussels only	2.83	2.8	0.0	2.8
11	0	11	*not recorded*	*not recorded*	Time search for live mussels only	2.83	3.9	0.0	3.9
232	**0**	**232**	*not recorded*	*not recorded*	**Time search for live mussels only**	**2.83**	**82.0**	**0.0**	**82.0**
7	**0**	**7**	*not recorded*	*not recorded*	**Time search for live mussels only**	**2.83**	**2.5**	**0.0**	**2.5**
0	0	0	13	0	Time search	3	0.0	0.0	0.0
1	0	1	0	0	Time search	3	0.3	0.0	0.3

17	0	17	4	0	Time search	3	5.7	0.0	5.7
3	0	3	2	0	Time search	3	1.0	0.0	1.0
1	0	1	9	1	Time search	3	0.3	0.0	0.3
1	0	1	0	0	Time search	3	0.3	0.0	0.3
46	0	46	16	0	Time search	3	15.3	0.0	15.3
0	0	0	2	5	Time search	3	0.0	0.0	0.0

0	0	0	0	1 Time search	3	0.0	0.0	0.0
0	0	0	1	0 Time search	3	0.0	0.0	0.0
3	0	3	0	0 Time search	3	1.0	0.0	1.0
72	**0**	**72**	**47**	**7 Time search**	**3**	**24.0**	**0.0**	**24.0**
7	**0**	**7**	**7**	**3 Time search**	**3**	**2.3**	**0.0**	**2.3**
4	34	38	34	8 Time search	5.66	0.7	6.0	6.7

0	1	1	1	0	Time search	5.66	0.0	0.2	0.2
6	20	26	24	4	Time search	5.66	1.1	3.5	4.6
1	1	2	1	1	Time search	5.66	0.2	0.2	0.4
2	6	8	6	0	Time search	5.66	0.4	1.1	1.4
1	1	2	1	0	Time search	5.66	0.2	0.2	0.4
0	0.5	0.5	0	5	Time search	5.66	0.0	0.1	0.1

0	0	0	1	3	Time search	5.66	0.0	0.0	0.0
0	0	0	0	2	Time search	5.66	0.0	0.0	0.0
0	1	1	1	0	Time search	5.66	0.0	0.2	0.2
14	**64.5**	**78.5**	**69**	**23**	**Time search**	**5.66**	**2.5**	**11.4**	**13.9**
5	**8**	**8**	**8**	**6**	**Time search**	**5.66**	**0.9**	**1.4**	**1.4**
0	0	0	29	1	Time search	1.25	0.0	0.0	0.0

0	0	0	1	1 Time search	1.25	0.0	0.0	0.0
0	0	0	7	2 Time search	1.25	0.0	0.0	0.0
0	0	0	20	2 Time search	1.25	0.0	0.0	0.0
0	0	0	0	1 Time search	1.25	0.0	0.0	0.0
0	0	0	6	3 Time search	1.25	0.0	0.0	0.0
0	**0**	0	**63**	**10 Time search**	**1.25**	**0.0**	**0.0**	**0.0**

0	**0**	0	**5**	**6 Time search**	**1.25**	**0.0**	**0.0**	**0.0**
1	109	110	120	6 Time search	7.75	0.1	14.1	14.2
0	15	15	23	1 Time search	7.75	0.0	1.9	1.9
13	142	155	155	10 Time search	7.75	1.7	18.3	20.0
0	5	5	8	0 Time search	7.75	0.0	0.6	0.6
0	16	16	16	0 Time search	7.75	0.0	2.1	2.1

0	2	2	3	0	Time search	7.75	0.0	0.3	0.3
0	2	2	4	2	Time search	7.75	0.0	0.3	0.3
0	11	11	18	3	Time search	7.75	0.0	1.4	1.4
0	1	1	1	4	Time search	7.75	0.0	0.1	0.1
0	8	8	8	1	Time search	7.75	0.0	1.0	1.0
1	0	1	0	0	Time search	7.75	0.1	0.0	0.1

4	0	4	0	0	Time search	7.75	0.5	0.0	0.5
0	1	1	1	0	Time search	7.75	0.0	0.1	0.1
19	**312**	**331**	**357**	**27**	**Time search**	**7.75**	**2.5**	**40.3**	**42.7**
4	**11**	**13**	**11**	**7**	**Time search**	**7.75**	**0.5**	**1.4**	**1.7**
2	1	3	1	0	Time search	2.65	0.8	0.4	1.1
0	0	0	0	2	Time search	2.65	0.0	0.0	0.0

0	0	0	0	1 Time search	2.65	0.0	0.0	0.0
0	1	1	1	0 Time search	2.65	0.0	0.4	0.4
2	**2**	**4**	**2**	**3 Time search**	**2.65**	**0.8**	**0.8**	**1.5**
1	**2**	**2**	**2**	**2 Time search**	**2.65**	**0.4**	**0.8**	**0.8**
7	0	7	2	0 Time search	2	3.5	0.0	3.5
0	2	2	2	1 Time search	2	0.0	1.0	1.0

0	1	1	1	0	Time search	2	0.0	0.5	0.5
0	1	1	5	0	Time search	2	0.0	0.5	0.5
7	**4**	**11**	**10**	**1**	**Time search**	**2**	**3.5**	**2.0**	**5.5**
1	**3**	**4**	**4**	**1**	**Time search**	**2**	**0.5**	**1.5**	**2.0**
0	6	6	25	26	Time search	5.18	0.0	1.2	1.2
0	0	0	0	4	Time search	5.18	0.0	0.0	0.0

0	0	0	0	1	Time search	5.18	0.0	0.0	0.0
0	**6**	**6**	**25**	**31**	**Time search**	**5.18**	**0.0**	**1.2**	1.2
0	**1**	**1**	**1**	**3**	**Time search**	**5.18**	**0.0**	**0.2**	0.2
2	2	4	2	1	Time search	5	0.4	0.4	0.8
5	0	5	0	1	Time search	5	1.0	0.0	1.0
7	**2**	**9**	**2**	**2**	**Time search**	**5**	**1.4**	**0.4**	**1.8**

2	**1**	**2**	**1**	**2 Time search**	**5**	**0.4**	**0.2**	**0.4**
21	2	23	5	0 Time search	1	21.0	2.0	23.0
0	5	5	8	0 Time search	1	0.0	5.0	5.0
0	1	1	4	0 Time search	1	0.0	1.0	1.0
10	3	13	7	0 Time search	1	10.0	3.0	13.0
18	3	21	6	0 Time search	1	18.0	3.0	21.0

0	1	1	4	0	Time search	1	0.0	1.0	1.0
0	2	2	2	0	Time search	1	0.0	2.0	2.0
0	0	0	1	0	Time search	1	0.0	0.0	0.0
0	3	3	6	0	Time search	1	0.0	3.0	3.0
4	1	5	3	0	Time search	1	4.0	1.0	5.0
5	2	7	4	0	Time search	1	5.0	2.0	7.0

4	5	9	9	0	Time search	1	4.0	5.0	9.0
33	16	49	18	0	Time search	1	33.0	16.0	49.0
1	1	2	1	0	Time search	1	1.0	1.0	2.0
65	5	70	14	0	Time search	1	65.0	5.0	70.0
9	2	11	4	0	Time search	1	9.0	2.0	11.0
3	1	4	1	0	Time search	1	3.0	1.0	4.0

173	**53**	**226**	**97**	**0 Time search**	**1**	**173.0**	**53.0**	**226.0**
11	**16**	**16**	**17**	**0 Time search**	**1**	**11.0**	**16.0**	**16.0**
0	15	15	15	0 Time search	0.91	0.0	16.5	16.5
0	5	5	5	0 Time search	0.91	0.0	5.5	5.5
0	13	13	13	0 Time search	0.91	0.0	14.3	14.3
0	3	3	3	0 Time search	0.91	0.0	3.3	3.3

2	6	8	6	0	Time search	0.91	2.2	6.6	8.8
0	10	10	10	0	Time search	0.91	0.0	11.0	11.0
0	1	1	1	0	Time search	0.91	0.0	1.1	1.1
2	**53**	**55**	**53**	**0**	**Time search**	**0.91**	**2.2**	**58.2**	**60.4**
1	**7**	**7**	**7**	**0**	**Time search**	**0.91**	**1.1**	**7.7**	**7.7**
13	11	24	18	7	Time search	8	1.6	1.4	3.0

6	0	6	19	0	Time search	8	0.8	0.0	0.8
8	8	16	16	3	Time search	8	1.0	1.0	2.0
0	14	14	18	0	Time search	8	0.0	1.8	1.8
5	0	5	1	0	Time search	8	0.6	0.0	0.6
22	10	32	28	26	Time search	8	2.8	1.3	4.0
13	2	15	20	9	Time search	8	1.6	0.3	1.9

4	0	4	0	0	Time search	8	0.5	0.0	0.5
0	1	1	1	0	Time search	8	0.0	0.1	0.1
71	**46**	**117**	**121**	**45**	**Time search**	**8**	**8.9**	**5.8**	**14.6**
7	**6**	**9**	**8**	**4**	**Time search**	**8**	**0.9**	**0.8**	**1.1**
41	3	44	10	0	Time search	3	13.7	1.0	14.7
19	2	21	5	0	Time search	3	6.3	0.7	7.0

28	3	31	6	0	Time search	3	9.3	1.0	10.3
25	1	26	3	0	Time search	3	8.3	0.3	8.7
12	3	15	4	0	Time search	3	4.0	1.0	5.0
10	3	13	5	0	Time search	3	3.3	1.0	4.3
0	0	0	1	0	Time search	3	0.0	0.0	0.0
2	3	5	4	0	Time search	3	0.7	1.0	1.7

1	0	1	0	0	Time search	3	0.3	0.0	0.3
0	0	0	0	0	Time search	3	0.0	0.0	0.0
40	6	46	21	0	Time search	3	13.3	2.0	15.3
1	1	2	2	0	Time search	3	0.3	0.3	0.7
4	0	4	1	0	Time search	3	1.3	0.0	1.3
2	0	2	1	0	Time search	3	0.7	0.0	0.7

1	0	1	0	0 Time search	3	0.3	0.0	0.3
1	0	1	0	0 Time search	3	0.3	0.0	0.3
1	0	1	0	0 Time search	3	0.3	0.0	0.3
188	**25**	**213**	**63**	**0 Time search**	**3**	**62.7**	**8.3**	**71.0**
15	**9**	**15**	**12**	**0 Time search**	**3**	**5.0**	**3.0**	**5.0**
0	2	2	2	2 Time search	5	0.0	0.4	0.4

0	0	0	0	3	Time search	5	0.0	0.0	0.0
9	2	11	13	8	Time search	5	1.8	0.4	2.2
11	5	16	6	8	Time search	5	2.2	1.0	3.2
3	0	3	0	7	Time search	5	0.6	0.0	0.6
0	0	0	0	1	Time search	5	0.0	0.0	0.0
0	0	0	0	1	Time search	5	0.0	0.0	0.0

0	0	0	0	1	Time search	5	0.0	0.0	0.0
23	**9**	**32**	**21**	**31**	**Time search**	**5**	**4.6**	**1.8**	**6.4**
3	**3**	**4**	**3**	**8**	**Time search**	**5**	**0.6**	**0.6**	**0.8**
8	1	9	3	0	Time search	3.335	2.4	0.3	2.7
3	1	4	2	2	Time search	3.335	0.9	0.3	1.2
1	0.5	1.5	0	1	Time search	3.335	0.3	0.1	0.4

1	0	1	1	3	Time search	3.335	0.3	0.0	0.3
7	0	7	1	10	Time search	3.335	2.1	0.0	2.1
0	2	2	2	0	Time search	3.335	0.0	0.6	0.6
20	**4.5**	**24.5**	**9**	**16**	**Time search**	**3.335**	**6.0**	**1.3**	**7.3**
5	**4**	**6**	**5**	**4**	**Time search**	**3.335**	**1.5**	**1.2**	**1.8**
6	46	52	83	1	Time search	12	0.5	3.8	4.3

1	0	1	5	1	Time search	12	0.1	0.0	0.1
2	0	2	1	0	Time search	12	0.2	0.0	0.2
0	0	0	6	0	Time search	12	0.0	0.0	0.0
18	7	25	67	24	Time search	12	1.5	0.6	2.1
11	31	42	81	0	Time search	12	0.9	2.6	3.5
0	4	4	4	2	Time search	12	0.0	0.3	0.3

10	47	57	83	31	Time search	12	0.8	3.9	4.8
0	12	12	33	0	Time search	12	0.0	1.0	1.0
0	1	1	1	0	Time search	12	0.0	0.1	0.1
0	0.5	0.5	0	1	Time search	12	0.0	0.0	0.0
0	2	2	3	0	Time search	12	0.0	0.2	0.2
48	**150.5**	**198.5**	**367**	**60**	**Time search**	**12**	**4.0**	**12.5**	**16.5**

6	**9**	**11**	**11**	**6**	**Time search**	**12**	**0.5**	**0.8**	**0.9**
0			16	not recorded	!Time search but not all shells were counted and collected	6	0.0		
0			6	not recorded	!Time search but not all shells were counted and collected	6	0.0		
0			6	not recorded	!Time search but not all shells were counted and collected	6	0.0		
0			13	not recorded	!Time search but not all shells were counted and collected	6	0.0		
0			present	not recorded	!Time search but not all shells were counted and collected	6	0.0		

2			present	not recorded	!Time search but not all shells were counted and collected	6	0.3		
4			present	not recorded	!Time search but not all shells were counted and collected	6	0.7		
2			present	not recorded	!Time search but not all shells were counted and collected	6	0.3		
0			present	not recorded	!Time search but not all shells were counted and collected	6	0.0		
0			present	not recorded	!Time search but not all shells were counted and collected	6	0.0		
0			present	not recorded	!Time search but not all shells were counted and collected	6	0.0		

0			present	not recorded	!Time search but not all shells were counted and collected	6	0.0			
0			present	not recorded	!Time search but not all shells were counted and collected	6	0.0			
8			**not recorded**	**not recorded**	**!Time search but not all shells were counted and collected**	**6**	**1.3**			
3			**13**	**not recorded**	**!Time search but not all shells were counted and collected**	**6**	**0.5**			
7	15	22	28	8	Time search	2.5	2.8	6.0	8.8	
1	0	1	0	0	Time search	2.5	0.4	0.0	0.4	

2	0	2	0	0	Time search	2.5	0.8	0.0	0.8
0	2	2	7	1	Time search	2.5	0.0	0.8	0.8
1	0	1	0	0	Time search	2.5	0.4	0.0	0.4
1	0	1	0	0	Time search	2.5	0.4	0.0	0.4
0	0	0	1	1	Time search	2.5	0.0	0.0	0.0
3	0	3	0	0	Time search	2.5	1.2	0.0	1.2

1	0	1	0	0	Time search	2.5	0.4	0.0	0.4
16	**17**	**33**	**36**	**10**	**Time search**	**2.5**	**6.4**	**6.8**	**13.2**
7	**2**	**8**	**3**	**3**	**Time search**	**2.5**	**2.8**	**0.8**	**3.2**
0	1	1	2	0	Time search	1	0.0	1.0	1.0
18	0	18	7	0	Time search	1	18.0	0.0	18.0
0	0	0	4	1	Time search	1	0.0	0.0	0.0

0	0	0	1	1	Time search	1	0.0	0.0	0.0
5	2	7	3	0	Time search	1	5.0	2.0	7.0
0	1	1	1	0	Time search	1	0.0	1.0	1.0
2	1	3	2	0	Time search	1	2.0	1.0	3.0
7	1	8	1	0	Time search	1	7.0	1.0	8.0
6	2	8	3	1	Time search	1	6.0	2.0	8.0

1	0	1	0	0	Time search	1	1.0	0.0	1.0
1	0	1	0	0	Time search	1	1.0	0.0	1.0
0	0	0	1	1	Time search	1	0.0	0.0	0.0
1	0	1	0	0	Time search	1	1.0	0.0	1.0
6	13	19	14	1	Time search	1	6.0	13.0	19.0
0	0	0	1	0	Time search	1	0.0	0.0	0.0

47	**21**	**68**	**40**	**5 Time search**	1	**47.0**	**21.0**	**68.0**
9	**7**	**11**	**12**	**5 Time search**	1	**9.0**	**7.0**	**11.0**
14	0	14	1	0 Time search	3.501	4.0	0.0	4.0
4	0	4	1	0 Time search	3.501	1.1	0.0	1.1
3	0	3	0	0 Time search	3.501	0.9	0.0	0.9
1	0	1	0	0 Time search	3.501	0.3	0.0	0.3

21	2	23	5	0 Time search	3.501	6.0	0.6	6.6
2	0	2	1	0 Time search	3.501	0.6	0.0	0.6
1	0	1	0	0 Time search	3.501	0.3	0.0	0.3
30	1	31	2	0 Time search	3.501	8.6	0.3	8.9
76	**3**	**79**	**10**	**0 Time search**	**3.501**	**21.7**	**0.9**	**22.6**
8	**2**	**8**	**5**	**0 Time search**	**3.501**	**2.3**	**0.6**	**2.3**

23	34	57	46	2	Time search	3.32	6.9	10.2	17.2
0	4	4	5	0	Time search	3.32	0.0	1.2	1.2
0	7	7	9	2	Time search	3.32	0.0	2.1	2.1
66	11	77	32	9	Time search	3.32	19.9	3.3	23.2
1	1	2	2	0	Time search	3.32	0.3	0.3	0.6
13	17	30	70	3	Time search	3.32	3.9	5.1	9.0

2	0	2	0	0	Time search	3.32	0.6	0.0	0.6
0	0	0	1	0	Time search	3.32	0.0	0.0	0.0
105	**74**	**179**	**165**	**16**	**Time search**	**3.32**	**31.6**	**22.3**	**53.9**
5	**6**	**7**	**7**	**4**	**Time search**	**3.32**	**1.5**	**1.8**	**2.1**
0	0	0	1	0	Time search	2	0.0	0.0	0.0
0	**0**	**0**	**1**	**0**	**Time search**	**2**	**0.0**	**0.0**	**0.0**

0	**0**	**0**	**1**	**0**	**Time search**	**2**	**0.0**	**0.0**	**0.0**
0	0	0	1	0	Time search	3	0.0	0.0	0.0
0	0	0	1	0	Time search	3	0.0	0.0	0.0
1	1	2	2	0	Time search	3	0.3	0.3	0.7
2	0	2	0	0	Time search	3	0.7	0.0	0.7
22	0	22	0	0	Time search	3	7.3	0.0	7.3

1	0	1	0	0	Time search	3	0.3	0.0	0.3
4	0	4	1	0	Time search	3	1.3	0.0	1.3
8	0	8	0	0	Time search	3	2.7	0.0	2.7
0	0	0	0	0	Time search	3	0.0	0.0	0.0
18	0	18	0	0	Time search	3	6.0	0.0	6.0
64	0	64	1	0	Time search	3	21.3	0.0	21.3

6	0	6	1	0 Time search	3	2.0	0.0	2.0
0	0	0	2	0 Time search	3	0.0	0.0	0.0
126	**1**	**127**	**9**	**0 Time search**	**3**	**42.0**	**0.3**	**42.3**
9	**1**	**9**	**7**	**0 Time search**	**3**	**3.0**	**0.3**	**3.0**
1	0	1	0	0 Time search	3	0.3	0.0	0.3
3	0	3	0	0 Time search	3	1.0	0.0	1.0

28	0	28	0	0	Time search	3	9.3	0.0	9.3
42	0	42	0	0	Time search	3	14.0	0.0	14.0
1	0	1	0	0	Time search	3	0.3	0.0	0.3
6	0	6	0	0	Time search	3	2.0	0.0	2.0
14	0	14	0	0	Time search	3	4.7	0.0	4.7
1	0	1	0	0	Time search	3	0.3	0.0	0.3

13	0	13	0	0	Time search	3	4.3	0.0	4.3
109	**0**	**109**	**0**	**0**	**Time search**	**3**	**36.3**	**0.0**	**36.3**
9	**0**	**9**	**0**	**0**	**Time search**	**3**	**3.0**	**0.0**	**3.0**
3	0	3	0	0	Time search	1	3.0	0.0	3.0
1	0	1	0	0	Time search	1	1.0	0.0	1.0
3	0	3	0	0	Time search	1	3.0	0.0	3.0

2	0	2	0	0	Time search	1	2.0	0.0	2.0
38	1	39	10	0	Time search	1	38.0	1.0	39.0
4	0	4	0	0	Time search	1	4.0	0.0	4.0
4	0	4	0	0	Time search	1	4.0	0.0	4.0
20	0	20	0	0	Time search	1	20.0	0.0	20.0
51	0	51	1	0	Time search	1	51.0	0.0	51.0

32	0	32	0	0	Time search		1	32.0	0.0	32.0
6	0	6	0	0	Time search		1	6.0	0.0	6.0
164	**1**	**165**	**11**	**0**	**Time search**		**1**	**164.0**	**1.0**	**165.0**
11	**1**	**11**	**2**	**0**	**Time search**		**1**	**11.0**	**1.0**	**11.0**
1	0	1	2	14	Time search	4.5		0.2	0.0	0.2
0	0	0	0	1	Time search	4.5		0.0	0.0	0.0

6	0	6	3	3	Time search	4.5	1.3	0.0	1.3
0	0	0	1	1	Time search	4.5	0.0	0.0	0.0
0	0	0	0	4	Time search	4.5	0.0	0.0	0.0
7	**0**	**7**	**6**	**23**	Time search	**4.5**	**1.6**	**0.0**	**1.6**
2	**0**	**2**	**3**	**5**	Time search	**4.5**	**0.4**	**0.0**	**0.4**
0	0	0	7	11	Time search	3	0.0	0.0	0.0

0	0	0	0	11	Time search	3	0.0	0.0	0.0
4	6	10	7	3	Time search	3	1.3	2.0	3.3
0	0	0	4	0	Time search	3	0.0	0.0	0.0
0	1	1	1	0	Time search	3	0.0	0.3	0.3
4	**7**	**11**	**19**	**25**	**Time search**	**3**	**1.3**	**2.3**	**3.7**
1	**2**	**2**	**4**	**3**	**Time search**	**3**	**0.3**	**0.7**	**0.7**

0	0	0	1	2 Time search	1	0.0	0.0	0.0
0	0	0	0	1 Time search	1	0.0	0.0	0.0
0	**0**	**0**	**1**	**3 Time search**	**1**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**1**	**2 Time search**	**1**	**0.0**	**0.0**	**0.0**
5	0	5	3	0 Time search	0.25	20.0	0.0	20.0
12	1	13	1	0 Time search	0.25	48.0	4.0	52.0

16	0	16	5	0	Time search	0.25	64.0	0.0	64.0
1	0	1	0	0	Time search	0.25	4.0	0.0	4.0
0	0	0	1	0	Time search	0.25	0.0	0.0	0.0
7	0	7	1	0	Time search	0.25	28.0	0.0	28.0
41	**1**	**42**	**11**	**0**	**Time search**	**0.25**	**164.0**	**4.0**	**168.0**
5	**1**	**5**	**5**	**0**	**Time search**	**0.25**	**20.0**	**4.0**	**20.0**

0	0	0	0	1 Time search	1	0.0	0.0	0.0
0	0	0	0	1 Time search	1	0.0	0.0	0.0
0	0	0	2	2 Time search	1	0.0	0.0	0.0
0	**0**	**0**	**2**	**4 Time search**	**1**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**1**	**3 Time search**	**1**	**0.0**	**0.0**	**0.0**
23	3	26	24	4 Time search	2	11.5	1.5	13.0

1	0	1	2	1	Time search	2	0.5	0.0	0.5
1	0	1	10	2	Time search	2	0.5	0.0	0.5
1	1	2	9	3	Time search	2	0.5	0.5	1.0
0	0	0	10	1	Time search	2	0.0	0.0	0.0
0	0	0	1	0	Time search	2	0.0	0.0	0.0
0	0	0	3	1	Time search	2	0.0	0.0	0.0

26	**4**	**30**	**59**	**12 Time search**	**2**	**13.0**	**2.0**	**15.0**
4	**2**	**4**	**7**	**6 Time search**	**2**	**2.0**	**1.0**	**2.0**
0	0	0	2	5 Time search	2	0.0	0.0	0.0
0	**0**	**0**	**2**	**5 Time search**	**2**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**1**	**1 Time search**	**2**	**0.0**	**0.0**	**0.0**
12	0	12	0	0 Time search	1.25	9.6	0.0	9.6

6	0	6	0	0	Time search	1.25	4.8	0.0	4.8
2	1	3	2	0	Time search	1.25	1.6	0.8	2.4
1	1	2	1	0	Time search	1.25	0.8	0.8	1.6
0	0	0	5	0	Time search	1.25	0.0	0.0	0.0
0	0	0	1	0	Time search	1.25	0.0	0.0	0.0
0	1	1	1	0	Time search	1.25	0.0	0.8	0.8

21	**3**	**24**	**10**	**0**	**Time search**	**1.25**	**16.8**	**2.4**	**19.2**
4	**3**	**5**	**5**	**0**	**Time search**	**1.25**	**3.2**	**2.4**	**4.0**
0	0	0	1	2	Time search	3.75	0.0	0.0	0.0
1	1	2	2	0	Time search	3.75	0.3	0.3	0.5
1	0	1	0	2	Time search	3.75	0.3	0.0	0.3
0	0	0	1	0	Time search	3.75	0.0	0.0	0.0

3	1	4	2	3	Time search	3.75	0.8	0.3	1.1
0	0	0	1	4	Time search	3.75	0.0	0.0	0.0
0	0	0	0	3	Time search	3.75	0.0	0.0	0.0
0	0	0	1	0	Time search	3.75	0.0	0.0	0.0
2	0	2	0	0	Time search	3.75	0.5	0.0	0.5
7	**2**	**9**	**8**	**14**	**Time search**	**3.75**	**1.9**	**0.5**	**2.4**

4	**2**	**4**	**6**	**5 Time search**	**3.75**	**1.1**	**0.5**	**1.1**
2	0	2	2	0 Time search	1.5	1.3	0.0	1.3
1	0	1	0	0 Time search	1.5	0.7	0.0	0.7
3	**0**	**3**	**2**	**0 Time search**	**1.5**	**2.0**	**0.0**	**2.0**
2	**0**	**2**	**1**	**0 Time search**	**1.5**	**1.3**	**0.0**	**1.3**
0	0	0	0	6 Time search	1.84	0.0	0.0	0.0

0	0	0	4	0	Time search	1.84	0.0	0.0	0.0
0	0	0	4	7	Time search	1.84	0.0	0.0	0.0
0	0	0	0	8	Time search	1.84	0.0	0.0	0.0
0	0	0	0	7	Time search	1.84	0.0	0.0	0.0
0	**0**	**0**	**8**	**28**	**Time search**	**1.84**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**2**	**4**	**Time search**	**1.84**	**0.0**	**0.0**	**0.0**

1	0	1	0	0 Time search	3	0.3	0.0	0.3
0	0	0	1	0 Time search	3	0.0	0.0	0.0
1	0	1	1	1 Time search	3	0.3	0.0	0.3
2	0	2	1	0 Time search	3	0.7	0.0	0.7
0	0	0	0	1 Time search	3	0.0	0.0	0.0
4	**0**	**4**	**3**	**2 Time search**	3	**1.3**	**0.0**	**1.3**

3	**0**	**3**	**3**	**2 Time search**	3	**1.0**	**0.0**	**1.0**
14	5	19	12	0 Time search	1.75	8.0	2.9	10.9
1	0	1	6	0 Time search	1.75	0.6	0.0	0.6
2	0	2	3	0 Time search	1.75	1.1	0.0	1.1
0	1	1	1	0 Time search	1.75	0.0	0.6	0.6
0	0	0	1	0 Time search	1.75	0.0	0.0	0.0

7	1	8	8	0 Time search	1.75	4.0	0.6	4.6
38	24	62	33	0 Time search	1.75	21.7	13.7	35.4
0	0	0	2	0 Time search	1.75	0.0	0.0	0.0
1	1	2	10	3 Time search	1.75	0.6	0.6	1.1
63	**32**	**95**	**76**	**3 Time search**	**1.75**	**36.0**	**18.3**	**54.3**
6	**5**	**7**	**9**	**1 Time search**	**1.75**	**3.4**	**2.9**	**4.0**

0	0	0	0	18 Time search	1.5	0.0	0.0	0.0
0	0	0	0	15 Time search	1.5	0.0	0.0	0.0
0	0	0	0	1 Time search	1.5	0.0	0.0	0.0
0	**0**	**0**	**0**	**34 Time search**	**1.5**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**0**	**3 Time search**	**1.5**	**0.0**	**0.0**	**0.0**
0	0	0	1	0 Time search	1	0.0	0.0	0.0

0	**0**	**0**	**1**	**0 Time search**	**1**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**1**	**0 Time search**	**1**	**0.0**	**0.0**	**0.0**
0	0	0	6	5 Time search	2.75	0.0	0.0	0.0
0	0	0	1	0 Time search	2.75	0.0	0.0	0.0
0	**0**	**0**	**7**	**5 Time search**	**2.75**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**2**	**1 Time search**	**2.75**	**0.0**	**0.0**	**0.0**

0	0	0	0	1 Time search	1	0.0	0.0	0.0
0	**0**	**0**	**0**	**1 Time search**	**1**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**0**	**1 Time search**	**1**	**0.0**	**0.0**	**0.0**
0	1	1	8	1 Time search	1.5	0.0	0.7	0.7
0	0	0	0	1 Time search	1.5	0.0	0.0	0.0
0	0	0	0	1 Time search	1.5	0.0	0.0	0.0

0	**1**	**1**	**8**	**3**	**Time search**	**1.5**	**0.0**	**0.7**	**0.7**
0	**1**	**1**	**1**	**3**	**Time search**	**1.5**	**0.0**	**0.7**	**0.7**
33	0	33	0	0	Time search	0.5	66.0	0.0	66.0
2	0	2	0	0	Time search	0.5	4.0	0.0	4.0
0	0	0	0	0	Time search	0.5	0.0	0.0	0.0
1	0	1	0	0	Time search	0.5	2.0	0.0	2.0

1	0	1	0	0 Time search	0.5	2.0	0.0	2.0
0	0	0	1	0 Time search	0.5	0.0	0.0	0.0
37	**0**	**37**	**0**	**0 Time search**	**0.5**	**74.0**	**0.0**	**74.0**
4	**0**	**4**	**0**	**0 Time search**	**0.5**	**8.0**	**0.0**	**8.0**
6	1	7	1	0 Time search	3	2.0	0.3	2.3
1	0	1	0	0 Time search	3	0.3	0.0	0.3

2	0	2	0	0	Time search	3	0.7	0.0	0.7
4	2	6	3	0	Time search	3	1.3	0.7	2.0
0	0	0	1	0	Time search	3	0.0	0.0	0.0
5	3	8	1	0	Time search	3	1.7	1.0	2.7
5	0	5	1	0	Time search	3	1.7	0.0	1.7
9	0	9	0	0	Time search	3	3.0	0.0	3.0

0	0	0	1	0	Time search	3	0.0	0.0	0.0
32	**6**	**38**	**8**	**0**	**Time search**	**3**	**10.7**	**2.0**	**12.7**
7	**3**	**7**	**6**	**0**	**Time search**	**3**	**2.3**	**1.0**	**2.3**
0	0	0	0	1	Time search	0.66	0.0	0.0	0.0
0	0	0	**0**	**3**	Time search	0.66	0.0	0.0	0.0
0	0	0	0	1	Time search	0.66	0.0	0.0	0.0

0	0	0	1	0 Time search	0.66	0.0	0.0	0.0
0	**0**	**0**	**1**	**5 Time search**	**0.66**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**1**	**3 Time search**	**0.66**	**0.0**	**0.0**	**0.0**
0	1	1	1	0 Time search	0.666666667	0.0	1.5	1.5
0	**1**	**1**	**1**	**0 Time search**	**0.666666667**	**0.0**	**1.5**	**1.5**
0	**1**	**1**	**1**	**0 Time search**	**0.666666667**	**0.0**	**1.5**	**1.5**

2	0	2	0	0	Time search	1.5	1.3	0.0	1.3
0	0	0	0	1	Time search	1.5	0.0	0.0	0.0
2	**0**	**2**	**0**	**1**	**Time search**	**1.5**	**1.3**	**0.0**	**1.3**
1	**0**	**1**	**0**	**1**	**Time search**	**1.5**	**0.7**	**0.0**	**0.7**
2	0	2	5	2	Time search	1	2.0	0.0	2.0
0	0	0	1	1	Time search	1	0.0	0.0	0.0

0	0	0	1	0	Time search	1	0.0	0.0	0.0
1	0	1	4	0	Time search	1	1.0	0.0	1.0
0	0	0	1	0	Time search	1	0.0	0.0	0.0
1	0	1	4	0	Time search	1	1.0	0.0	1.0
1	0	1	0	0	Time search	1	1.0	0.0	1.0
0	0	0	2	0	Time search	1	0.0	0.0	0.0

5	**0**	**5**	**18**	**3**	**Time search**	**1**	**5.0**	**0.0**	**5.0**
4	**0**	**4**	**7**	**2**	**Time search**	**1**	**4.0**	**0.0**	**4.0**
3	0	3	0	0	Time search	2.5	1.2	0.0	1.2
4	0	4	0	0	Time search	2.5	1.6	0.0	1.6
1	0	1	0	0	Time search	2.5	0.4	0.0	0.4
1	0	1	0	0	Time search	2.5	0.4	0.0	0.4

9	**0**	**9**	**0**	**0**	**Time search**	**2.5**	**3.6**	**0.0**	**3.6**
4	**0**	**4**	**0**	**0**	**Time search**	**2.5**	**1.6**	**0.0**	**1.6**
0	0	0	0	1	Time search	1	0.0	0.0	0.0
5	1	6	1	0	Time search	1	5.0	1.0	6.0
5	**1**	**6**	**1**	**1**	**Time search**	**1**	**5.0**	**1.0**	**6.0**
1	**1**	**1**	**1**	**1**	**Time search**	**1**	**1.0**	**1.0**	**1.0**

4	0	4	0	0	Time search	0.25	16.0	0.0	16.0
1	0	1	0	0	Time search	0.25	4.0	0.0	4.0
5	0	5	0	0	Time search	0.25	20.0	0.0	20.0
0	0	0	0	0	Time search	0.25	0.0	0.0	0.0
0	0	0	1	0	Time search	0.25	0.0	0.0	0.0
0	0	0	0	0	Time search	0.25	0.0	0.0	0.0

0	0	0	0	0 Time search	0.25	0.0	0.0	0.0
1	0	1	0	0 Time search	0.25	4.0	0.0	4.0
11	**0**	**11**	**1**	**0 Time search**	**0.25**	**44.0**	**0.0**	**44.0**
4	**0**	**4**	**1**	**0 Time search**	**0.25**	**16.0**	**0.0**	**16.0**
0	0	0	1	0 Time search	3	0.0	0.0	0.0
0	0	0	7	0 Time search	3	0.0	0.0	0.0

0	0	0	1	0	Time search	3	0.0	0.0	0.0
4	1	5	19	0	Time search	3	1.3	0.3	1.7
0	0	0	1	0	Time search	3	0.0	0.0	0.0
0	0	0	1	0	Time search	3	0.0	0.0	0.0
0	0	0	2	0	Time search	3	0.0	0.0	0.0
0	0	0	1	0	Time search	3	0.0	0.0	0.0

4	**1**	**5**	**33**	**0**	**Time search**	**3**	**1.3**	**0.3**	**1.7**
1	**1**	**1**	**8**	**0**	**Time search**	**3**	**0.3**	**0.3**	**0.3**
2	1	3	7	0	Time search	3	0.7	0.3	1.0
0	0	0	3	0	Time search	3	0.0	0.0	0.0
0	1	1	1	0	Time search	3	0.0	0.3	0.3
2	**2**	**4**	**11**	**0**	**Time search**	**3**	**0.7**	**0.7**	**1.3**

1	**2**	**2**	**3**	**0 Time search**	**3**	**0.3**	**0.7**	**0.7**
0	0	0	10	10 Time search	1.75	0.0	0.0	0.0
0	0	0	0	13 Time search	1.75	0.0	0.0	0.0
0	0	0	5	20 Time search	1.75	0.0	0.0	0.0
0	0	0	10	52 Time search	1.75	0.0	0.0	0.0
0	0	0	0	2 Time search	1.75	0.0	0.0	0.0

0	0	0	0	1 Time search	1.75	0.0	0.0	0.0	0.0
0	**0**	**0**	**25**	**98 Time search**	**1.75**	**0.0**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**3**	**5 Time search**	**1.75**	**0.0**	**0.0**	**0.0**	**0.0**
137	0	137	0	0 Time search	1.5	91.3	0.0	91.3	
2	0	2	0	0 Time search	1.5	1.3	0.0	1.3	
139	**0**	**139**	**0**	**0 Time search**	**1.5**	**92.7**	**0.0**	**92.7**	

2	**0**	**2**	**0**	**0 Time search**	**1.5**	**1.3**	**0.0**	**1.3**
2	0	0	0	0 Time search	2.25	0.9	0.0	0.0
21	0	0	0	0 Time search	2.25	9.3	0.0	0.0
23	**0**	**0**	**0**	**0 Time search**	**2.25**	**10.2**	**0.0**	**0.0**
2	**0**	**0**	**0**	**0 Time search**	**2.25**	**0.9**	**0.0**	**0.0**
4	0	0	0	0 Time search	1.1	3.6	0.0	0.0

7	0	0	0	0 Time search	1.1	6.4	0.0	0.0
35	0	0	0	0 Time search	1.1	31.8	0.0	0.0
46	**0**	**0**	**0**	**0 Time search**	**1.1**	**41.8**	**0.0**	**0.0**
3	**0**	**0**	**0**	**0 Time search**	**1.1**	**2.7**	**0.0**	**0.0**
0	0	0	2	6 Time search	6	0.0	0.0	0.0
0	0	0	0	4 Time search	6	0.0	0.0	0.0

2	0	2	1	10	Time search	6	0.3	0.0	0.3
0	0	0	4	4	Time search	6	0.0	0.0	0.0
0	0	0	1	22	Time search	6	0.0	0.0	0.0
2	**0**	**2**	**8**	**46**	**Time search**	**6**	**0.3**	**0.0**	**0.3**
1	**0**	**1**	**4**	**5**	**Time search**	**6**	**0.2**	**0.0**	**0.2**
14	0	14	0	0	Time search	2	7.0	0.0	7.0

0	1	1	1		0	Time search	2	0.0	0.5	0.5	
1	0	1	0		0	Time search	2	0.0	0.0	0.5	
15	**1**	**16**	**1**		**0**	**Time search**	**2**	**7.5**	**0.5**	**8.0**	
2	**1**	**3**	**1**		**0**	**Time search**	**2**	**1.0**	**0.5**	**1.5**	
23		23	many	many		Time search	10.5	2.2	0.0	2.2	
1	1	2	5	few		Time search	10.5	0.1	0.1	0.2	

2			2	quite a few	quite a few		Time search	10.5	0.2	0.0	0.2
0			0	some	some		Time search	10.5	0.0	0.0	0.0
26	**1**		**27**				**Time search**	**10.5**	**2.5**	**0.1**	**2.6**
3	**1**		**3**		**4**	**4**	**Time search**	**10.5**	**0.3**	**0.1**	**0.3**
13			13		100	many	Time search	3	4.3	0.0	4.3
0			0		10	few	Time search	3	0.0	0.0	0.0

3			3	many	many		Time search	3	1.0	0.0	1.0
0			0	few	few		Time search	3	0.0	0.0	0.0
0	0	0	0	0	1		Time search	3	0.0	0.0	0.0
16			**16**				**Time search**	**3**	**5.3**	**0.0**	**5.3**
2			**2**	**4**	**5**		**Time search**	**3**	**0.7**	**0.0**	**0.7**
4	0	4		0	0		Time search	6	0.7	0.0	0.7

1	0	1	0	0 Time search	6	0.2	0.0	0.2
1	0	1	0	0 Time search	6	0.2	0.0	0.2
1	0	1	0	0 Time search	6	0.2	0.0	0.2
7	**0**	**7**	**0**	**0 Time search**	**6**	**1.2**	**0.0**	**1.2**
4	**0**	**4**	**0**	**0 Time search**	**6**	**0.7**	**0.0**	**0.7**
0			0	0 Time search	0.25	0.0	0.0	0.0

0	**0**	**0**	**0**	**0 Time search**	**0.25**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**0**	**0 Time search**	**0.25**	**0.0**	**0.0**	**0.0**
0	0	0	1	0 Time search	2.5	0.0	0.0	0.0
0	0	0	1	0 Time search	2.5	0.0	0.0	0.0
0	0	0	1	0 Time search	2.5	0.0	0.0	0.0
0	**0**	**0**	**3**	**0 Time search**	**2.5**	**0.0**	**0.0**	**0.0**

0	**0**	**0**	**3**	**0 Time search**	**2.5**	**0.0**	**0.0**	**0.0**
0	1	1	1	0 Time search	0.5	0.0	2.0	2.0
0	**1**	**1**	**1**	**0 Time search**	**0.5**	**0.0**	**2.0**	**2.0**
0	**1**	**1**	**1**	**0 Time search**	**0.5**	**0.0**	**2.0**	**2.0**
2	1	3	1	0 Time search	1.5	1.3	0.7	2.0
1	0	1	0	0 Time search	1.5	0.7	0.0	0.7

2	0	2	0	0 Time search	1.5	1.3	0.0	1.3
1	0	1	0	0 Time search	1.5	0.7	0.0	0.7
2	1	3	1	0 Time search	1.5	1.3	0.7	2.0
0	0	0	0	1 Time search	1.5	0.0	0.0	0.0
8	**2**	**10**	**2**	**1 Time search**	**1.5**	**5.3**	**1.3**	**6.7**
5	**2**	**5**	**2**	**1 Time search**	**1.5**	**3.3**	**1.3**	**3.3**

229			*not recorded*	*not recorded*	Quadrats along transects across the river		*41.64*	*41.64*
12			*not recorded*	*not recorded*	Quadrats along transects across the river		*2.18*	*2.18*
10			*not recorded*	*not recorded*	Quadrats along transects across the river		*1.82*	*1.82*
7			*not recorded*	*not recorded*	Quadrats along transects across the river		*1.27*	*1.27*
23			*not recorded*	*not recorded*	Quadrats along transects across the river		*4.18*	*4.18*
3			*not recorded*	*not recorded*	Quadrats along transects across the river		*0.55*	*0.55*

3			*not recorded*	*not recorded*	Quadrats along transects across the river		*0.55*	*0.55*
31			*not recorded*	*not recorded*	Quadrats along transects across the river		*5.64*	*5.64*
318			***not recorded***	***not recorded***	**Quadrats along transects across the river**		***57.82***	***57.82***
8			***not recorded***	***not recorded***	**Quadrats along transects across the river**			
9			*not recorded*	*not recorded*	24 transects across the river on 8 locations and 28 quadrats on 2 locations		*1.587*	*1.587*
10			*not recorded*	*not recorded*	24 transects across the river on 8 locations and 28 quadrats on 2 locations		*2.540*	*2.540*

6			*not recorded*	*not recorded*	24 transects across the river on 8 locations and 28 quadrats on 2 locations		*0.952*	*0.952*
189			*not recorded*	*not recorded*	24 transects across the river on 8 locations and 28 quadrats on 2 locations		*36.825*	*36.825*
14			*not recorded*	*not recorded*	24 transects across the river on 8 locations and 28 quadrats on 2 locations		*1.905*	*1.905*
2			*not recorded*	*not recorded*	Random search		*0.635*	*0.635*
1			*not recorded*	*not recorded*	Random search		*0.317*	*0.317*
231			***not recorded***	***not recorded***	**24 transects across the river on 8 locations and 28 quadrats on 2 locations**		***44.762***	***44.762***

5			***not recorded***	***not recorded***	**24 transects across the river on 8 locations and 28 quadrats on 2 locations**						
168			0	0	3 transects, area search and 10 quadrats					*4.200*	*4.200*
13			0	0	3 transects, area search and 10 quadrats					*0.400*	*0.400*
181			**0**	**0**	**Area search and 10 quadrats along the shore**					***4.600***	***4.600***
2			**0**	**0**	**Area search and 10 quadrats along the shore**						
0	0	0	5	0	Time search upstream app 150 m, downstream app 100 m; 3 x 1 mh	3	0.0			0.0	0.0

0	0	0	10	1	Time search upstream app 150 m, downstream app 100 m; 3 x 1 mh	3	0.0	0.0	0.0
0	0	0	1	2	Time search upstream app 150 m, downstream app 100 m; 3 x 1 mh	3	0.0	0.0	0.0
0	0	0	1	3	Time search upstream app 150 m, downstream app 100 m; 3 x 1 mh	3	0.0	0.0	0.0
0	**0**	**0**	**17**	**6**	**Time search upstream app 150 m, downstream app 100 m; 3 x 1 mh**	**3**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**4**	**3**	**Time search upstream app 150 m, downstream app 100 m; 3 x 1 mh**	**3**	**0.0**	**0.0**	**0.0**
0		0	*10* many		Time search downstream and upstream	6	0.0	0.0	0.0

0			0	*20*	many	Time search downstream and upstream	6	0.0		0.0	0.0
3			3	*10*	many	Time search downstream and upstream	6	0.5		0.0	0.5
3	**0**		**3**	**40**		**Time search downstream and upstream**	**6**	**0.5**		**0.0**	**0.5**
1	**0**		**1**	**3**	**3**	**Time search downstream and upstream**	**6**	**0.2**		**0.0**	**0.2**
0	0		0	*5*	few	Time search, app 300 m upstream from the low crossing	1.75	0.0		0.0	0.0
0	0		0	*5*	few	Time search, app 300 m upstream from the low crossing	1.75	0.0		0.0	0.0

0	0	0	*10*	few	Time search, app 300 m upstream from the low crossing	1.75	0.0	0.0	0.0
0	0	0	*3*	few	Time search, app 300 m upstream from the low crossing	1.75	0.0	0.0	0.0
0	**0**	**0**	**23**		**Time search, app 300 m upstream from the low crossing**	**1.75**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**4**	**4**	**Time search, app 300 m upstream from the low crossing**	**1.75**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**0**	**0**	**Time search upstream from the low water crossing bridge along the west shore**				
0	**0**	**0**	**0**	**0**	**Time search by snorkeling and wading**				

0	**0**	**0**	**0**	**0**	**Random search**	
0	**0**	**0**	**0**	**0**	**River is dry on the road, water was seen further away but the river was fenced**	
0	0	0	0	1	Wide part under the bridge was checked downstream and then a narrow part	1
0	**0**	**0**	**0**	**1**	**Random Search (Time search but for species only)**	
0	**0**	**0**	**0**	**1**	**Random Search (Time search but for species only)**	
0	**0**	**0**	**0**	**0**	**Dry**	

1	0	1	0	0 Time search	3	0.3	0.0	0.3
10	0	10	0	0 Time search	3	3.3	0.0	3.3
8	0	8	0	0 Time search	3	2.7	0.0	2.7
2	0	2	0	0 Time search	3	0.7	0.0	0.7
1	0	1	0	0 Time search	3	0.3	0.0	0.3
22	**0**	**22**	**0**	**0 Time search**	**3**	**7.3**	**0.0**	**7.3**

5	**0**	**5**	**0**	**0**	**Time search**	**3**	**1.7**	**0.0**	**1.7**
0	**0**	**0**	**0**	**0**	**Time search app 200 m upstream**	**2**			
0	**0**	**0**	**0**	**0**	**Time search upstream and downstream**	**1.5**			
90	0		0	0	Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore			*53.22580645*	*53.22580645*
5	0		0	0	Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore			*4.032258065*	*4.032258065*
3	0		0	0	Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore			*2.419354839*	*2.419354839*

13	0		0	0	Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore			*7.258064516*	*7.258064516*
70	0		0	0	Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore			*36.29032258*	*36.29032258*
1	0		0	0	Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore			*0.806451613*	*0.806451613*
182			**0**	**0**	**Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore**			***104.0322581***	***104.0322581***
6			**0**	**0**	**Quadrats, 9 transects across the river (104 m2 total), and 3 area searches (20 m2 total) along west shore**				
2	2	4	3	2	Time search	8	0.3	0.3	0.5

5	2	7	7	0	Time search	8	0.6	0.3	0.9
1	0	1	0	0	Time search	8	0.1	0.0	0.1
2	0	2	0	0	Time search	8	0.3	0.0	0.3
7	1.5	8.5	1	4	Time search	8	0.9	0.2	1.1
0	0	0	0	1	Time search	8	0.0	0.0	0.0
17	**5.5**	**22.5**	**11**	**7**	**Time search**	**8**	**2.1**	**0.7**	**2.8**

5	**3**	**5**	**3**	**3 Time search**	**8**	**0.6**	**0.4**	**0.6**
1	1	2	0	2 Time search	3.5	0.29	0.3	0.6
8	0	8	1	0 Time search	3.5	1.14	0.0	2.3
15	3	18	9	2 Time search	3.5	1.43	0.9	5.1
24	**4**	**28**	**10**	**4 Time search**	**3.5**	**2.57**	**1.1**	**8.0**
3	**2**	**3**	**2**	**2 Time search**	**3.5**	**0.57**	**0.6**	**0.9**

0			**0**	**0 Time search**	**1.5**	**0.0**		
0			**0**	**0 Time search**	**1.75**	**0.0**		
0			**0**	**0 Time search**	**0.83**	**0.0**		
0			**0**	**0 Time search**	**1.5**	**0.0**		
0	0	0	0	2 Time search	2.5	0.0	0.0	0.0
0	0	0	1	1 Time search	2.5	0.0	0.0	0.0

0	0		0	1	3	Time search	2.5	0.0		0.0	0.0
0	0		0	1	2	Time search	2.5	0.0		0.0	0.0
0				0	0	river sampled to 0.5 m depth only; falls sampled					
0				0	0	random searched app 30 m of creek under the bridge, between 2 fences					
0				0	0	random rearch along US side					
0		0	0	0	3	Time search	1.5	0.0		0.0	0.0

0	**0**	**0**	**0**	**3 Time search**	**1.5**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**0**	**1 Time search**	**1.5**	**0.0**	**0.0**	**0.0**
0	0	0	0	1 Time search	2.25	0.0	0.0	0.0
0	0	0	0	2 Time search	2.25	0.0	0.0	0.0
0	**0**	**0**	**0**	**3 Time search**	**2.25**	**0.0**	**0.0**	**0.0**
0	**0**	**0**	**0**	**2 Time search**	**2.25**	**0.0**	**0.0**	**0.0**

0	2	2	0	4	Time search	0.5	0.0	4.0	4.0
0	**2**	**2**	**0**	**4**	**Time search**	**0.5**	**0.0**	**4.0**	**4.0**
0	**1**	**1**	**0**	**1**	**Time search**	**0.5**	**0.0**	**2.0**	**2.0**
8	2	10	5	0	20 quadrats with excavations to 10 cm depths along the US river side			*2.8*	*14*
3	0	3	1	1	20 quadrats with excavations to 10 cm depths along the US river side			*0*	*4.2*
4	1	5	2	2	20 quadrats with excavations to 10 cm depths along the US river side			*1.4*	*7*

0	0	0	1	0	20 quadrats with excavations to 10 cm depths along the US river side	*0*	*0*
15	**3**	**18**	**9**	**3**	**20 quadrats with excavations to 10 cm depths along the US river side**	***4.2***	***25.2***
3	**2**	**3**	**4**	**2**	**20 quadrats with excavations to 10 cm depths along the US river side**		
0	0	0	0	2	19 quadrats and random search on total 5 sites		
0	0	0	2	0	19 quadrats and random search on total 5 sites		
0	**0**	**0**	**2**	**2**	**19 quadrats and random search on total 5 sites**		

0	**0**	**0**	**1**	**1**	**19 quadrats and random search on total 5 sites**					
6	0	6	0	0	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	0	0.0	0	
79	0	79	49	84	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	5.7	0.0	5.7	
61	0	61	10	22	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	1.7	0.0	1.7	
8	5	13	14	10	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	0.3	1.7	2.0	
0	0	0	0	4	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	0.0	0.0	0.0	

2	0	2	1	6	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	0.0	0.0	0.0
0	0	0	13	35	Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)	3	0.0	0.0	0.0
156	**5**	**161**	**87**	**161**	**Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)**	**3**	**7.7**	1.7	**7.7**
5	**1**	**5**	**5**	**6**	**Time search total 3 mh, of this 1 mh for live mussels only (subtracted from shells effort)**	**3**		0.3	
2	0	2	0	0	2 transects 200 m2 total area				
2	**0**	**2**	**0**	**0**	**2 transects 200 m2 total area**				

1	**0**	**1**	**0**	**0**	**2 transects 200 m2 total area**		
0	**0**	**0**	**0**	**0**	**Time search**		
1	0	1	0	0	23 transects total area 557 m2	*0.179533214*	*0.179533214*
1	0	1	0	0	23 transects total area 557 m2	*0.179533214*	*0.179533214*
2	**0**	**2**	**0**	**0**	**23 transects total area 557 m2**	***0.718132855***	***0.718132855***
2	**0**	**2**	**0**	**0**	**23 transects total area 557 m2**		

present	present	Random search	
0	1	Random search	
1	12	Random search	
0	2	Random search	
present	present	Random search	
present	present	Random search	

present	present	Random search	
0	5	Random search	
present	present	Random search	
1	1	Random search	
1	0	Random search	
0	4	Random search	

1	1	Random search
0	4	Random search
0	5	Random search
2	0	Random search
		Random search
10	**15**	**Random search**

1	0	1	0	Time search	1.666666667	0.6	0.0	0.6
10	4	14	4	Time search	1.666666667	6.0	2.4	8.4
1	1	2	1	Time search	1.666666667	0.6	0.6	1.2
88	3	91	3	Time search	1.666666667	52.8	1.8	54.6
100	**8**	**108**	**8**	**Time search**	**1.666666667**	**60.0**	**4.8**	**64.8**
4	**3**	**4**	**3**	**Time search**	**1.666666667**	**2.4**	**1.8**	**2.4**

45	*2*	47	*2*	Time search	3	15.0	0.7	15.7
1	*0*	1	*0*	Time search	3	0.3	0.0	0.3
1	*1*	2	*1*	Time search	3	0.3	0.3	0.7
5	*0*	5	*0*	Time search	3	1.7	0.0	1.7
3	*1*	4	*1*	Time search	3	1.0	0.3	1.3
1	*0*	1	*0*	Time search	3	0.3	0.0	0.3

3	*1*	4	*1*		Time search	3	1.0	0.3	1.3
59	***5***	***64***	***5***		**Time search**	**3**	**19.7**	**1.7**	**21.3**
7	***4***	***7***	***4***		**Time search**	**3**	**2.3**	**1.3**	**2.3**
1	0	1	0	0	Time search	6	0.2	0.0	0.2
4	0	4	0	0	Time search	6	0.7	0.0	0.7
1	0	1	0	0	Time search	6	0.2	0.0	0.2

1	0	1	0	0 Time search	6	0.2	0.0	0.2
7	**0**	**7**	**0**	**0 Time search**	**6**	**1.2**	**0.0**	**1.2**
4	**0**	**4**	**0**	**0 Time search**	**6**	**0.7**	**0.0**	**0.7**

TS Shell Density, shells/mh (shells + valves)	TS (Live+Dead) man hr	Quadrats, m2	# Quadrats	# Mussels in Quadrats	Qt Ave Density, mussel/m2	Qt SD Density, mussel/m3	Area search, m2	# Mussels in area search	AS Density, mussel/m-2	Species in quadrats /area
3.7	23.0						4	13	3.25	*Plectomerus dombeyanus*
0.0	2.7						4	0	0	
1.0	3.7						4	0	0	
0.7	11.3						4	0	0	
0.0	14.7						4	0	0	

0.0	3.3	4	0	0
0.0	0.7	4	0	0
8.0	8.0	4	0	0
0.0	1.3	4	0	0
0.7	2.0	4	0	0
0.0	0.7	4	0	0

0.7	1.3						4	0	0
4.0	8.0						4	0	0
0.0	0.7						4	0	0
18.7	**81.3**						**4**	**13**	**3.25**
4.7							**4**		
1.1	27.7	1.25	5	19	15.2	13.08			

0.0	1.9	1.25	5	0	0	
0.0	0.4	1.25	5	0	0	
0.0	0.7	1.25	5	0	0	
0.0	0.4	1.25	5	0	0	
0.0	3.7	1.25	5	0	0	
0.4	5.2	1.25	5	3	2.4	3.577708764

0.0	0.4	1.25	5	0	0	
0.4	1.5	1.25	5	0	0	
0.7	2.6	1.25	5	0	0	
0.0	0.7	1.25	5	1	0.8	1.788854382
0.0	1.1	1.25	5	0	0	
0.0	11.6	1.25	5	6	4.8	6.57267069

0.0	0.4					
0.4	5.2	1.25	5	0	0	
	0.8	1.25	5	1	0.8	1.788854382
3.0	**64.1**	**1.25**	**5**	**30**	**24**	**15**
1.9		**1.25**	**5**			
0.0	0.7	0.0				

0.0	0.7	0.0
0.7	2.0	0.0
1.3	1.3	0.0
2.0	**4.7**	**0.0**
0.7		**0.0**
2.0	4.0	0.0

1.5	1.5	0.0				
2.0	**4.0**	0.0				
2.0		0.0				
7.0	26.2	3.25	13	33	10.15	10.91
2.2	5.8	3.25	13	1	0.31	1.11
0.0	0.4	3.25	13	1	0.31	1.11

0.4	0.4	3.25	13	0	0.00	0.00
0.0	0.8	3.25	13	*0*	0.00	
0.0	4.8	3.25	13	3	0.92	2.40
0.0	20.4	3.25	13	9	2.77	4.13
0.0	3.6	3.25	13	2	0.62	1.50
0.4	6.4	3.25	13	7	2.15	3.11

1.6	8.8	3.25	13	6	1.85	2.64
0.0	0.8	3.25	13	0	0.00	0.00
0.8	0.8	3.25	13	0	0.00	0.00
0.0	4.0	3.25	13	0	0.00	0.00
0.0	1.2	3.25	13	1	0.31	1.11
0.0	0.4	3.25	13	0	0.00	0.00

0.0	1.2	3.25	13	0	0.00	0.00			
12.4	**86.0**	**3.25**	**13**	**63**	**19.38**	**10.68907902**			
2.4		**3.25**	**13**	**9**					
	1.395348837						860	12	0.013953488
	0.465116279						860	4	0.004651163
	2.093023256						860	18	0.020930233

2.790697674	860	24	0.027906977
0.348837209	860	3	0.003488372
3.023255814	860	26	0.030232558
10.46511628	860	90	0.104651163
10	860	86	0.1
0.581395349	860	5	0.005813953

10.23255814	860	88	0.102325581
0.348837209	860	3	0.003488372
1.395348837	860	12	0.013953488
2.325581395	860	20	0.023255814
15.81395349	860	136	0.158139535
8.255813953	860	71	0.08255814

	0	860	0	0
	0.465116279	860	4	0.004651163
	1.279069767	860	11	0.012790698
	71.27906977	860	**613**	**0.712790698**
1.0	1.0			

1.0	1.0
14.0	14.0
2.0	2.0
2.0	2.0
3.0	3.0
23.0	**23.0**

6.5

3.2	10.1
0.5	1.4
0.5	0.9
1.4	1.8
0.0	0.9

0.5	0.5
1.4	1.4
6.2	19.6
0.0	0.5
0.2	2.1
0.0	0.5

13.8	**39.6**
3.7	
0.0	1.3
0.0	4.0
1.3	1.3
1.3	**6.7**

1.3

1.3	2.8
1.5	2.3
0.8	0.8
0.3	0.3
2.0	2.3

2.5	2.8
0.5	0.5
1.0	1.3
0.8	0.8
0.4	0.4
2.5	2.5

13.4	**16.4**
2.8	
41.4	41.4
1.9	1.9
0.5	0.5
0.5	0.5

2.1	2.1
46.4	**46.4**
2.4	
65.2	65.2
5.6	5.6
1.0	1.0

3.0	3.0
20.2	20.2
94.9	**94.9**
5.1	
16.7	62.1
0.0	1.5

6.1	9.1
4.5	9.1
3.0	3.0
0.0	1.5
0.0	1.5
1.5	3.0

1.5	1.5
1.5	1.5
34.8	**93.9**
10.6	
1.9	1.9
1.9	1.9

0.4	0.4
1.3	1.3
1.9	1.9
0.2	0.2
7.8	**7.8**
2.2	

0.0	0.9
0.0	0.3
0.0	0.3
0.3	0.3
0.3	**1.9**
0.3	

6.0	6.0
0.8	0.8
0.5	0.5
0.5	0.5
7.8	**7.8**
2.0	

0.7	7.3	2	8	1	0.50	3.703280399
0.0	11.3	2	8	7	3.50	4.503966506
1.3	2.0	2	8			
0.0	6.0	2	8	4	2.00	1.414213562
0.0	0.7	2	8			
2.0	**27.3**	2	8	**12**	6.00	5.656854249

1.3		2	8	**3**
18.6	18.9			
7.4	8.3			
9.7	9.7			
58.2	63.7			
21.2	22.8			

13.8	14.2
8.9	9.2
29.8	30.8
12.5	12.5
2.8	2.8
9.5	11.4

0.3	0.3
2.2	2.2
4.3	4.3
3.7	3.7
11.7	11.7
0.3	0.3

2.2	2.2
217.1	**228.8**
5.5	
3.7	15.7
0.0	21.0
0.7	0.7

0.3	0.3
0.0	1.3
0.0	0.7
0.0	1.0
0.3	8.0
2.0	3.7

0.0	7.3
0.0	0.7
0.0	1.0
7.0	**61.3**
1.7	
60.0	83.3

4.0	5.3
5.0	5.7
5.3	8.0
9.7	40.3
4.0	4.0
88.0	**146.7**

4.0	
14.5	19.3
1.0	1.7
16.7	44.0
1.2	1.2
0.0	0.2

10.7	11.5				
5.1	9.6				
17.7	27.8				
67.0	**115.2**				
1.3					
1.4	1.4	4.5	18	0	0.00

1.9	6.6	4.5	18	2	0.44	1.293523334
0.0	1.3	4.5	18	1	0.22	0.942809042
4.4	43.4	4.5	18	18	4.00	5.820855001
7.6	**52.6**	**4.5**	**18**	**21**	**4.67**	**6.02**
0.8		**4.5**	**18**	**3**		
18.5	21.0					

0.6	0.8
13.0	15.0
0.6	0.8
0.1	0.1
0.4	0.4
0.3	0.3

33.2	**38.3**
1.4	
8.8	10.4
5.2	6.8
4.6	4.6
0.3	0.3

2.8	2.8
21.7	**24.9**
1.0	
1.8	1.8
0.3	0.3
3.8	3.8

0.8	0.8
0.1	0.1
6.6	**6.6**
1.0	
0.2	0.3
0.8	0.9

2.0	2.0
5.9	6.1
1.4	2.6
0.1	0.1
0.2	0.2
0.3	0.3

0.1	0.1
10.8	**12.5**
1.5	
0.1	0.3
0.0	0.3
6.8	10.3

1.4	1.8
1.3	1.3
0.2	0.2
9.7	**14.0**
0.8	
0.9	1.1

0.4	0.4
0.3	0.5
1.5	**2.0**
0.8	
0.0	0.5
0.3	1.8

0.3	1.3					
0.5	**3.5**					
0.5						
0.0	67.0	12.5	50	86	6.88	5.659162699
0.0	6.9	12.5	50	3	0.24	1.254542766
0.0	1.3	12.5	50	0	0.00	

0.0	4.3	12.5	50	0	0.00	
0.0	0.9	12.5	50	21	1.68	0.672794962
0.0	0.4	12.5	50	0	0.00	
0.0	0.4	12.5	50	0	0.00	
0.0	0.4	12.5	50	0	0.00	
0.4	34.8	12.5	50	10	0.80	1.807015806

0.4	**97.0**	**12.5**	**50**	**120**	**9.60**	**4.377289944**
0.4		**12.5**	**50**	**3**		
0.0	4.6					
0.6	1.7					
0.0	0.6					
0.0	1.1					

0.0	2.9
0.0	1.1
3.4	12.0
8.0	17.7
12.0	**41.7**
1.7	

4.0	29.0
3.0	23.0
0.0	7.0
0.0	5.0
0.0	2.0
6.0	7.0

1.0	1.0
1.0	8.0
15.0	**82.0**
5.0	
1.5	1.5
0.7	0.7

2.2	**2.2**
1.5	**2.2**
0.3	0.3
0.1	0.1
0.5	**0.5**
0.7	

0.8	2.8
0.4	0.8
0.4	1.7
0.1	0.1
0.5	0.5
2.1	2.1

4.3	**8.1**
0.5	
0.5	0.5
0.2	0.2
0.1	0.1
0.1	0.1

1.0	**1.0**
1.4	
22.6	76.3
1.7	5.7
1.4	1.4
15.7	109.4

9.1	12.6					
8.6	10.3					
0.6	1.1					
59.7	**216.9**					
4.9						
1.3	5.9	1.5	6	2	1.333333333	2.065591118

0.6	4.9	1.5	6	0		
1.0	2.8	1.5	6	1	0.666666667	1.632993162
1.0	2.1	1.5	6	0		
0.3	0.4	1.5	6	0		
0.0	0.1	1.5	6	0		
0.2	0.2	1.5	6	0		

0.1	0.1	1.5	6	0		
4.3	**16.4**	**1.5**	**6**	**3**	**2**	**2.19089023**
0.7		**1.5**	**6**			
4.2	13.5					
9.3	22.0					
0.0	1.7					

0.3	3.7
0.3	0.3
0.0	1.0
0.0	1.0
1.0	9.0
15.2	**52.2**

1.7

2.1

13.4

44.9

7.8

7.1

	2.8
	3.9
	82.0
4.3	4.3
0.0	0.3

1.3	7.0
0.7	1.7
3.2	3.5
0.0	0.3
5.3	20.7
1.5	1.5

0.2	0.2
0.3	0.3
0.0	1.0
16.8	**40.8**
2.7	
6.7	7.4

0.2	0.2
4.6	5.7
0.3	0.4
1.1	1.4
0.2	0.4
0.4	0.4

0.4	0.4
0.2	0.2
0.2	0.2
14.2	**16.7**
1.8	
23.6	23.6

1.2	1.2
6.4	6.4
16.8	16.8
0.4	0.4
6.0	6.0
54.4	**54.4**

4.8	
15.9	16.0
3.0	3.0
20.6	22.3
1.0	1.0
2.1	2.1

0.4	0.4
0.6	0.6
2.5	2.5
0.4	0.4
1.1	1.1
0.0	0.1

0.0	0.5
0.1	0.1
47.8	**50.3**
1.4	
0.4	1.1
0.4	0.4

0.2	0.2
0.4	0.4
1.3	**2.1**
1.5	
1.0	4.5
1.3	1.3

0.5	0.5
2.5	2.5
5.3	**8.8**
2.0	
7.3	7.3
0.4	0.4

0.1	0.1
7.8	**7.8**
0.6	
0.5	0.9
0.1	1.1
0.6	**2.0**

0.4						
5.0	26.0					
8.0	8.0					
4.0	4.0					
7.0	17.0	3	12	2	0.666666667	1.6
6.0	24.0	3	12	1	0.333333333	1.2

4.0	4.0					
2.0	2.0					
1.0	1.0					
6.0	6.0					
3.0	7.0	3	12	3	1	1.8
4.0	9.0					

9.0	13.0	3	12	1	0.333333333	1.2
18.0	51.0	3	12	11	3.666666667	10.3
1.0	2.0					
14.0	79.0	3	12	20	6.666666667	10.7
4.0	13.0	3	12	2	0.666666667	1.6
1.0	4.0					

97.0	**270.0**	**3**	**12**	**42**	**14**	**16.4**
17.0		**3**	**12**			
16.5	16.5					
5.5	5.5					
14.3	14.3					
3.3	3.3					

6.6	8.8
11.0	11.0
1.1	1.1
58.2	**60.4**
7.7	
2.7	4.3

2.4	3.1
2.2	3.2
2.3	2.3
0.1	0.8
5.1	7.9
3.1	4.7

0.0	0.5					
0.1	0.1					
17.9	**26.8**					
1.0						
3.3	17.0	2.75	11	10	3.636363636	4.177863743
1.7	8.0	2.75	11	13	4.727272727	6.649675317

2.0	11.3	2.75	11	9	3.272727273	4.31487912
1.0	9.3	2.75	11	17	6.181818182	4.85423901
1.3	5.3	2.75	11	4	1.454545455	2.69679945
1.7	5.0	2.75	11	2	0.727272727	1.61807967
0.3	0.3	2.75	11	1	0.363636364	1.206045378
1.3	2.0	2.75	11	0	0	

0.0	0.3	2.75	11	1	0.363636364	1.206045378
0.0	0.0	2.75	11	1	0.363636364	1.206045378
7.0	20.3	2.75	11	4	1.454545455	3.23615934
0.7	1.0	2.75	11	0	0	
0.3	1.7	2.75	11	1	0.363636364	1.206045378
0.3	1.0	2.75	11	1	0.363636364	1.206045378

0.0	0.3	2.75	11	0	0	
0.0	0.3	2.75	11	0	0	
0.0	0.3	2.75	11	0	0	
21.0	**83.7**	**2.75**	**11**	**64**	**23.27272727**	**16.08**
4.0		**2.75**	**11**			
0.6	0.6					

0.3	0.3
3.4	5.2
2.0	4.2
0.7	1.3
0.1	0.1
0.1	0.1

0.1	0.1
7.3	**11.9**
1.6	
0.9	3.3
0.9	1.8
0.1	0.4

0.7	1.0
1.8	3.9
0.6	0.6
5.1	**11.1**
1.8	
7.0	7.5

0.5	0.5
0.1	0.3
0.5	0.5
6.6	8.1
6.8	7.7
0.4	0.4

8.2	9.0
2.8	2.8
0.1	0.1
0.0	0.0
0.3	0.3
33.1	**37.1**

1.0

present

present

present

present

present

present

present

present

present

present

present

present

present

12.8 15.6

0.0 0.4

0.0	0.8
3.0	3.0
0.0	0.4
0.0	0.4
0.6	0.6
0.0	1.2

0.0	0.4
16.4	**22.8**
1.2	
2.0	2.0
7.0	25.0
4.5	4.5

1.5	1.5
3.0	8.0
1.0	1.0
2.0	4.0
1.0	8.0
3.5	9.5

0.0	1.0
0.0	1.0
1.5	1.5
0.0	1.0
14.5	20.5
1.0	1.0

42.5	**89.5**				
12.0					
0.3	4.3	2	8	0	0
0.3	1.4	2	8	0	0
0.0	0.9	2	8	0	0
0.0	0.3	2	8	0	0

1.4	7.4	2	8	4	2	3.023715784
0.3	0.9	2	8	0	0	
0.0	0.3	2	8	0	0	
0.6	9.1	2	8	1	0.5	1.414213562
2.9	**24.6**	**2**	**8**	**5**	**2.5**	**4.24**
1.4		**2**	**8**			

14.2	21.1
1.5	1.5
3.0	3.0
11.0	30.9
0.6	0.9
21.5	25.5

0.0	0.6
0.3	0.3
52.1	**83.7**
2.1	
0.5	0.5
0.5	**0.5**

0.5

0.3	0.3	2.5	10	0	0	
0.3	0.3	2.5	10	0	0	
0.7	1.0	2.5	10	0	0	
0.0	0.7	2.5	10	1	0.4	1.264911064
0.0	7.3	2.5	10	5	2	3.399346342

0.0	0.3	2.5	10	0	0	
0.3	1.7	2.5	10	0	0	
0.0	2.7	2.5	10	0	0	
0.0	0.0	2.5	10	0	0	
0.0	6.0	2.5	10	2	0.8	2.529822128
0.3	21.7	2.5	10	6	2.4	3.373096171

0.3	2.3	2.5	10	1	0.4	1.264911064
0.7	0.7	2.5	10	0	0	
3.0	**45.0**	**2.5**	**10**	**15**	**6**	**7.118**
2.3		**2.5**	**10**			
0.0	0.3					
0.0	1.0					

0.0	9.3
0.0	14.0
0.0	0.3
0.0	2.0
0.0	4.7
0.0	0.3

0.0	4.3					
0.0	**36.3**					
0.0						
0.0	3.0	2.75	11	0	0	
0.0	1.0	2.75	11	0	0	
0.0	3.0	2.75	11	2	0.727272727	1.61807967

0.0	2.0	2.75	11	0	0	
10.0	48.0	2.75	11	53	19.27272727	17.3268053
0.0	4.0	2.75	11	3	1.090909091	2.586679163
0.0	4.0	2.75	11	11	4	3.098386677
0.0	20.0	2.75	11	9	3.272727273	5.605192398
1.0	52.0	2.75	11	6	2.181818182	5.173358325

0.0	32.0	2.75	11	7	2.545454545	4.107642544
0.0	6.0	2.75	11	0	0	0
11.0	**175.0**	**2.75**	**11**	**91**	**20.19**	**19.620**
2.0		**2.75**	**11**			
2.0	2.2					
0.1	0.1					

1.0	2.3
0.3	0.3
0.4	0.4
3.9	5.4
0.7	1.7
4.2	4.2

1.8	1.8
2.8	4.2
1.3	1.3
0.3	0.3
10.5	**11.8**
1.3	

2.0	2.0					
0.5	0.5					
2.5	**2.5**					
1.0						
12.0	32.0	2.5	10	2	0.8	1.7
4.0	52.0	2.5	10	12	4.8	5.3

20.0	84.0	2.5	10	0	0	
0.0	4.0	2.5	10	0	0	
4.0	4.0	2.5	10	0	0	
4.0	32.0	2.5	10	0	0	
44.0	**208.0**	**2.5**	**10**	**14**	**5.6**	**6**
20.0		**2.5**	**10**			

0.5	0.5					
0.5	0.5					
3.0	3.0					
4.0	**4.0**					
1.0						
13.0	24.5	3.75	15	28	7.466666667	6.839660253

1.3	1.8	3.75	15	1	0.266666667	1.407463101
5.5	6.0	3.75	15	1	0.266666667	1.407463101
5.3	5.8	3.75	15	1	0.266666667	1.032795559
5.3	5.3	3.75	15	0	0	
0.5	0.5	3.75	15	0	0	
1.8	1.8	3.75	15	3	0.8	1.656157342

32.5	**45.5**	**3.75**	**15**	**34**	**9.066666667**	**6.8**
3.5		**3.75**	**15**			
2.3	2.3					
2.3	2.3					
0.5	0.8					
0.0	9.6	2.5	10	8	3.2	3.68

0.0	4.8	2.5	10	0	0	
1.6	3.2	2.5	10	0	0	
0.8	1.6	2.5	10	0	0	
4.0	4.0	2.5	10	0	0	
0.8	0.8	2.5	10	2	0.8	1.69
0.8	0.8	2.5	10	0	0	

8.0	**24.8**	**2.5**	**10**	**10**	**4**	**4.22**
4.0		**2.5**	**10**			
0.5	0.5					
0.5	0.8					
0.3	0.5					
0.3	0.3					

0.9	1.7
0.8	0.8
0.4	0.4
0.3	0.3
0.0	0.5
4.0	**5.9**

2.4	
1.3	2.7
0.0	0.7
1.3	**3.3**
0.7	
1.6	1.6

2.2	2.2
4.1	4.1
2.2	2.2
1.9	1.9
12.0	**12.0**
1.1	

0.0	0.3
0.3	0.3
0.5	0.8
0.3	1.0
0.2	0.2
1.3	**2.7**

1.0

6.9	14.9	2.5	10	2	0.8	1.69
3.4	4.0	2.5	10	0	0	
1.7	2.9	2.5	10	0	0	
0.6	0.6	2.5	10	0	0	
0.6	0.6	2.5	10	0	0	

4.6	8.6	2.5	10	2	0.8	1.69
18.9	40.6	2.5	10	12	4.8	5.9
1.1	1.1	2.5	10	0	0	
5.7	7.1	2.5	10	0	0	
44.3	**80.3**	**2.5**	**10**	**16**	**6.4**	**5.7**
5.1		**2.5**	**10**			

6.0	6.0
5.0	5.0
0.3	0.3
11.3	**11.3**
0.0	
1.0	1.0

1.0	1.0
1.0	1.0
3.1	3.1
0.4	0.4
3.5	**3.5**
0.7	

0.5	0.5
0.5	**0.5**
0.0	
5.7	5.7
0.3	0.3
0.3	0.3

6.3	**6.3**					
0.7						
0.0	66.0	2.5	10	28	11.20	5.9
0.0	4.0	2.5	10	1	0.40	1.26
0.0	0.0	2.5	10	1	0.40	1.26
0.0	2.0	2.5	10	1	0.40	1.26

0.0	2.0	2.5	10	1	0.40	1.26	
2.0	2.0	2.5	10	0	0.00		
0.0	**74.0**	**2.5**	**10**	**32**	**12.80**	**5.67**	
0.0		**2.5**	**10**				
0.3	2.3	4.75	19	9	1.89	3.86	1
0.0	0.3	4.75	19	0	0.00		

0.0	0.7	4.75	19	1	0.21	0.92	
1.0	2.3	4.75	19	5	1.05	2.99	1
0.3	0.3	4.75	19	0	0.00		
0.3	2.0	4.75	19	6	1.26	3.04	3
0.3	2.0	4.75	19	2	0.42	1.5	
0.0	3.0	4.75	19	6	1.26	2.68	

0.3	0.3	4.75	19	4	0.84	2.01	2
2.7	**13.3**	**4.75**	**19**	**33**	**6.947368421**	**10.1**	
2.0		**4.75**	**19**				
0.8	0.8						
2.3	2.3						
0.8	0.8						

1.5	1.5
5.3	**5.3**
1.5	
1.5	1.5
1.5	**1.5**
1.5	

0.0	1.3			
0.3	0.3			
0.3	**1.7**			
0.0				
6.0	8.0	2	1	0.5
1.5	1.5	2	0	0

1.0	1.0	2	0	0
4.0	5.0	2	11	5.5
1.0	1.0	2	0	0
4.0	5.0	2	0	0
0.0	1.0	2	1	0.5
2.0	2.0	2	0	0

19.5	**24.5**	**2**	**13**	**6.5**
7.0		**2**	**3**	**1.5**
0.0	1.2			
0.0	1.6			
0.0	0.4			
0.0	0.4			

0.0	**3.6**					
0.0						
0.5	0.5	5	5	0		
1.0	6.0	5	5	9	1.8	1.48
1.5	**6.5**	5	5	**9**	**1.8**	**1.48**
1.0		5	5			

0.0	16.0	1.5	6	4	2.67	3.27
0.0	4.0	1.5	6	2	1.33	2.07
0.0	20.0	1.5	6	13	8.67	10.56
0.0	0.0	1.5	6	3	2.00	3.35
4.0	4.0	1.5	6	0	0.00	
0.0	0.0	1.5	6	0	0.00	

0.0	0.0	1.5	6	2	1.33	2.07
0.0	4.0	1.5	6	3	2.00	3.35
4.0	**48.0**	**1.5**	6	**27**	**18.0**	**10.95**
4.0		**1.5**	6			
0.3	0.3					
2.3	2.3					

0.3	0.3
6.3	7.7
0.3	0.3
0.3	0.3
0.7	0.7
0.3	0.3

11.0	**12.3**
2.7	
2.3	3.0
1.0	1.0
0.3	0.3
3.7	**4.3**

1.0	
8.6	8.6
3.7	3.7
8.6	8.6
20.6	20.6
0.6	0.6

0.3	0.3
42.3	**42.3**
1.7	
0.0	91.3
0.0	1.3
0.0	**92.7**

0.0	
0.0	0.9
0.0	9.3
0.0	**10.2**
0.0	
0.0	3.6

0.0	6.4
0.0	31.8
0.0	**41.8**
0.0	
0.8	0.8
0.3	0.3

1.0	1.3			
1.0	1.0			
2.0	2.0			
5.2	**5.5**			
0.7				
0.0	7.0	120	2	0.02

0.5	0.5	120	0	0.00
0.0	0.5	120	1	0.01
0.5	**8.0**	**120**	**3**	**0.03**
0.5				
	2.2			
	0.2			

	0.2
	0.0
	2.6
33.3	4.3
3.3	0.0

	1.0
	0.0
0.0	0.2
0.0	**5.3**
1.3	
0.0	0.7

0.0	0.2
0.0	0.2
0.0	0.2
0.0	**1.2**
0.0	
0.0	0.0

0.0	**0.0**
0.0	
0.4	0.4
0.4	0.4
0.4	0.4
1.2	**1.2**

1.2	
2.0	2.0
2.0	**2.0**
2.0	
0.7	2.0
0.0	0.7

0.0	1.3
0.0	0.7
0.7	2.0
0.0	0.3
1.7	**7.0**
1.3	

41.64	38.5	154	229	5.95	11.12
2.18	38.5	154	12	0.31	1.34
1.82	38.5	154	10	0.26	1.27
1.27	38.5	154	7	0.18	0.84
4.18	38.5	154	23	0.60	3.54
0.55	38.5	154	3	0.08	0.55

0.55	38.5	154	3	0.08	0.72			
5.64	38.5	154	31	0.81	2.35			
57.82	**38.5**	**154**	**318**	**8.26**	**13.21**			
	38.5	**154**						
1.587	7	28	4	0.57	1.43	315	5	0.016
2.540	7	28	2	0.29	1.05	315	8	0.025

0.952	7	28	3	0.43	1.67	315	3	0.010
36.825	7	28	73	10.43	10.06	315	116	0.368
1.905	7	28	7	1.00	2.8	315	6	0.019
0.635	7	28	0	0.00		315	*2*	*0.006*
0.317	7	28	0	0.00		315	*1*	*0.003*
44.762	**7**	**28**	**89**	**12.71**	**11.21**	**315**	**141**	**0.448**

		7	**28**						
	4.200	2.5	10	42	16.80	2.53	30	126	4.200
	0.400	2.5	10	1	0.40	1.26	30	12	0.400
	4.600	**2.5**	**10**	**43**	**17.20**	**2.7**	**30**	**138**	**4.600**
		2.5	**10**						
1.7	1.7								

3.3	3.5
0.3	0.7
0.3	0.8
6.7	**6.7**
1.3	
	1.7

	3.3
	2.2
	40.5
0.5	
2.9	*2.9*
2.9	*2.9*

5.7	*5.7*
1.7	*1.7*
13.1	***13.1***
2.3	
	0.0
	0.0

0.0

0.0

0.5 0.5

0.5

0.0

0.0	0.3	375	0	
0.0	3.3	375	2	0.005
0.0	2.7	375	6	0.016
0.0	0.7	375	2	0.005
0.0	0.3	375	1	0.003
0.0	**7.3**	**375**	**11**	**0.029**

0.0

0.0								
0.0								
53.2	3.75	15	24	6.4	6.9	124	66	0.532
4.0	3.75	15	0	0		124	5	0.040
2.4	3.75	15	0	0		124	3	0.024

	7.3	3.75	15	4	1.066666667	1.66	124	9	0.073
	36.3	3.75	15	24	6.4		124	45	0.363
	0.8	3.75	15	0	0		124	1	0.008
	104.0	**3.75**	**15**	**52**	**13.87**	**6.57**	**124**	**129**	**1.040**
		3.75	**15**						
0.5	0.8								

0.9	1.5
0.0	0.1
0.0	0.3
0.4	1.3
0.1	0.1
1.8	**3.9**

0.4	
0.3	0.6
0.3	2.6
2.9	7.1
0	**10.3**
0	

0.0 0.0

0.0 0.0

0.0 0.0

0.0 0.0

0.4 0.4

0.6 0.6

1.0 **1.0**

0.4

1.0 1.0

1.0	1.0
0.3	0.3
0.2	0.2
0.4	0.4
0.7	0.7
0.4	0.4

4.0	4.0					
4.0	**4.0**					
1.0						
	18.2	5	20	8	1.6	2.39
	6.3	5	20	3	0.6	1.96
	9.8	5	20	4	0.8	1.64

1.4	5	20	0	0	
35.7	**5**	**20**	**15**	**3.00**	**3.07**
	5	**20**			
0.2	4.75	19	0	0	
0.4	4.75	19	0	0	
0.6	**4.75**	**19**	**0**	**0**	

		4.75	**19**	**0**	**0**				
0	*0.6*	14.75	59	0	0		962	6	0.006237006
2	7.7	14.75	59	14	0.95	1.72	962	48	0.04989605
1	2.7	14.75	59	4	0.27	1.01	962	52	0.054054054
1	1.3	14.75	59	0	0		962	7	0.007276507
0	0.0	14.75	59	0	0		962	0	0

1	1.0	14.75	59	0	0		962	2	0.002079002
2.75	2.8	14.75	59	0	0		962	0	0
0	**7.7**	**14.75**	**59**	**18**	**1.220338983**	**2**	**962**	**115**	**0.11954262**
0		**14.75**	**59**						
	1.0						200	2	0.01
	1.0						**200**	**2**	**0.01**

0.2	557	1	0.001795332
0.2	557	1	0.001795332
0.7	**557**	**4**	**0.007181329**

0.0	0.6	5	20	0	0.00
2.4	8.4	5	20	0	0.00
0.6	1.2	5	20	0	0.00
1.8	54.6	5	20	9	1.80
4.8	**64.8**	**5**	**20**	**9**	**1.80**
1.8		**5**	**20**	**1**	

0.7	15.7
0.0	0.3
0.3	0.7
0.0	1.7
0.3	1.3
0.0	0.3

0.3	1.3
1.7	**21.3**
1.3	
0.0	0.2
0.0	0.7
0.0	0.2

0.0 0.2

0.0 **1.2**

0.0

# Methods employed (TS - time search, QT - quadrats in mussel beds, AS - area search, ATS - Area search along transects across the river, QTTR - quadrats systematically placed along transects run across the river)	Total live mussels found by all methods combined	Total shells found by all methods combined	Total valves found by all methods combined	Water conditions (water level): 1 - low, 2 - medium, 3 - high; 0 - drawdown or at shore	Comments	Drainage
2 (TS, AS)	42	5	1	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	4	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	4	1	1	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	16	1	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	22	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River

2 (TS, AS)	5	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	1	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	0	12	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	2	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	2	1	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	1	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River

2 (TS, AS)	1	1	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	6	6	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	1	0	0	1	sand, silty sand, sand and gravel, and sand and clay	Neches River
2 (TS, AS)	**107**	**27**	**2**	**1**	**sand, silty sand, sand and gravel, and sand and clay**	**Neches River**
2 (TS, AS)	**13**	**7**	**2**	**1**	**sand, silty sand, sand and gravel, and sand and clay**	**Neches River**
2 (TS, QT)	90	3	0	1	sand	Neches River

2 (TS, QT)	5	0	0	1 sand	Neches River
2 (TS, QT)	1	0	0	1 sand	Neches River
2 (TS, QT)	2	0	0	1 sand	Neches River
2 (TS, QT)	1	0	0	1 sand	Neches River
2 (TS, QT)	10	0	0	1 sand	Neches River
2 (TS, QT)	16	1	0	1 sand	Neches River

2 (TS, QT)	1	0	0	1 sand	Neches River
2 (TS, QT)	3	1	0	1 sand	Neches River
2 (TS, QT)	5	2	0	1 sand	Neches River
2 (TS, QT)	3	0	0	1 sand	Neches River
2 (TS, QT)	3	0	0	1 sand	Neches River
2 (TS, QT)	37	0	0	1 sand	Neches River

2 (TS, QT)	1	0	0	1 sand	Neches River
2 (TS, QT)	13	1	0	1 sand	Neches River
2 (TS, QT)	2	0	0	1 sand	Neches River
2 (TS, QT)	**193**	**8**	**0**	**1 sand**	**Neches River**
2 (TS, QT)	**16**	**5**	**0**	**1 sand**	**Neches River**
1 (TS)	1	0	0	3 clay, silt	Neches River

1 (TS)	1	0	0	3 clay, silt	Neches River
1 (TS)	2	1	0	3 clay, silt	Neches River
1 (TS)	0	2	0	3 clay, silt	Neches River
1 (TS)	**4**	**3**	**0**	3 **clay, silt**	Neches River
1 (TS)	**3**	**1**	**0**	3 **clay, silt**	Neches River
1 (TS)	2	2	0	3	Trinity River

1 (TS)	0	1	1	3	Trinity River
1 (TS)	**2**	**2**	**0**	3	Trinity River
1 (TS)	**1**	**2**	**1**	3	Trinity River
2 (TS, QT)	81	16	3	1 sand, clay, silt	Neches River
2 (TS, QT)	10	5	1	1 sand, clay, silt	Neches River
2 (TS, QT)	2	0	0	1 sand, clay, silt	Neches River

2 (TS, QT)	0	1	0	1 sand, clay, silt	Neches River
2 (TS, QT)	2	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	15	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	60	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	11	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	22	1	0	1 sand, clay, silt	Neches River

2 (TS, QT)	24	4	0	1 sand, clay, silt	Neches River
2 (TS, QT)	2	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	0	2	0	1 sand, clay, silt	Neches River
2 (TS, QT)	10	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	4	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	1	0	0	1 sand, clay, silt	Neches River

2 (TS, QT)	3	0	0	1 sand, clay, silt	Neches River
2 (TS, QT)	**247**	**29**	**4**	**1 sand, clay, silt**	**Neches River**
2 (TS, QT)	**14**	**6**	**2**	**1 sand, clay, silt**	**Neches River**
Area and quadrat density at 19 transects across the lake at drawdown	12	14		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	4	5		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	18	36		0 sand, gravel, silt	Neches River

Area and quadrat density at 19 transects across the lake at drawdown	24	66		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	3	5		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	26	30		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	90	150		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	86	119		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	5	8		0 sand, gravel, silt	Neches River

Area and quadrat density at 19 transects across the lake at drawdown	88	100		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	3	3		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	12	13		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	20	27		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	136	170		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	71	99		0 sand, gravel, silt	Neches River

Area and quadrat density at 19 transects across the lake at drawdown	0	1		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	4	4		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	11	12		0 sand, gravel, silt	Neches River
Area and quadrat density at 19 transects across the lake at drawdown	**613**	**862**		**0 sand, gravel, silt**	**Neches River**
Area and quadrat density at 19 transects across the lake at drawdown	**0**	**18**		**0 sand, gravel, silt**	**Neches River**
Random search on shores after the channel clean-up	0	1	0	0	Red River

Random search on shores after the channel clean-up	0	1	0	0	Red River
Random search on shores after the channel clean-up	0	12	4	0	Red River
Random search on shores after the channel clean-up	0	2	0	0	Red River
Random search on shores after the channel clean-up	0	2	0	0	Red River
Random search on shores after the channel clean-up	0	3	0	0	Red River
Random search on shores after the channel clean-up	**0**	**21**	**4**	**0**	**Red River**

Random search on shores after the channel clean-up	**0**	**6**	**1**	**0**	**Red River**
Random search on shores after the channel clean-up	0	1	1	0	Red River
Random search on shores after the channel clean-up	0	0	1	0	Red River
Random search on shores after the channel clean-up	0	0	1	0	Red River
Random search on shores after the channel clean-up	0	0	4	0	Red River
Random search on shores after the channel clean-up	**0**	**1**	**7**	**0**	**Red River**

Random search on shores after the channel clean-up	**0**	**1**	**4**	**0**		**Red River**
1 (TS)	15	7	0	1	sand, sand and clay	Sabine River
1 (TS)	2	1	0	1	sand, sand and clay	Sabine River
1 (TS)	1	1	0	1	sand, sand and clay	Sabine River
1 (TS)	1	3	0	1	sand, sand and clay	Sabine River
1 (TS)	2	0	0	1	sand, sand and clay	Sabine River

1 (TS)	0	1	0	1	sand, sand and clay	Sabine River
1 (TS)	0	3	0	1	sand, sand and clay	Sabine River
1 (TS)	29	12	3	1	sand, sand and clay	Sabine River
1 (TS)	1	0	0	1	sand, sand and clay	Sabine River
1 (TS)	4	0	1	1	sand, sand and clay	Sabine River
1 (TS)	1	0	0	1	sand, sand and clay	Sabine River

1 (TS)	**56**	**28**	**4**	**1**	**sand, sand and clay**	**Sabine River**
1 (TS)	**9**	**7**	**2**	**1**	**sand, sand and clay**	**Sabine River**
1 (TS)	1	0	0	3		Angelina/Neches River
1 (TS)	3	0	0	3		Angelina/Neches River
1 (TS)	0	1	0	3		Angelina/Neches River
1 (TS)	**4**	**1**	**0**	3		**Angelina/Neches River**

1 (TS)	**2**	**1**	**0**	3	**Angelina/Neches River**
1 (TS)	6	5	0	2 clay	Red River
1 (TS)	3	6	0	2 clay	Red River
1 (TS)	0	3	0	2 clay	Red River
1 (TS)	0	1	0	2 clay	Red River
1 (TS)	1	8	0	2 clay	Red River

1 (TS)	1	10	0	2 clay	Red River
1 (TS)	0	2	0	2 clay	Red River
1 (TS)	1	4	0	2 clay	Red River
1 (TS)	0	3	0	2 clay	Red River
1 (TS)	0	1	1	2 clay	Red River
1 (TS)	0	10	0	2 clay	Red River

1 (TS)	**12**	**53**	**1**	**2 clay**	**Red River**
1 (TS)	**5**	**11**	**1**	**2 clay**	**Red River**
1 (TS)	0	87	0	1	Red River
1 (TS)	0	4	0	1	Red River
1 (TS)	0	1	0	1	Red River
1 (TS)	0	1	0	1	Red River

1 (TS)	0	3	3	1	Red River
1 (TS)	**0**	**96**	**3**	**1**	**Red River**
1 (TS)	**0**	**5**	**1**	**1**	**Red River**
1 (TS)	0	59	11	1	Red River
1 (TS)	0	4	3	1	Red River
1 (TS)	0	1	0	1	Red River

1 (TS)	0	2	2	1	Red River
1 (TS)	0	15	10	1	Red River
1 (TS)	**0**	**81**	**26**	**1**	**Red River**
1 (TS)	**0**	**5**	**4**	**1**	**Red River**
1 (TS)	30	11	0	1 clay	Red River
1 (TS)	1	0	0	1 clay	Red River

1 (TS)	2	4	0	1 clay	Red River
1 (TS)	3	3	0	1 clay	Red River
1 (TS)	0	2	0	1 clay	Red River
1 (TS)	1	0	0	1 clay	Red River
1 (TS)	1	0	0	1 clay	Red River
1 (TS)	1	1	0	1 clay	Red River

1 (TS)	0	1	0	1 clay	Red River
1 (TS)	0	1	0	1 clay	Red River
1 (TS)	**39**	**23**	**0**	**1 clay**	**Red River**
1 (TS)	**7**	**7**	**0**	**1 clay**	**Red River**
1 (TS)	0	1	7	3	Sabine River
1 (TS)	0	2	5	3	Sabine River

1 (TS)	0	1	0	3	Sabine River
1 (TS)	0	0	6	3	Sabine River
1 (TS)	0	1	7	3	Sabine River
1 (TS)	0	0	1	3	Sabine River
1 (TS)	**0**	**5**	**26**	**3**	**Sabine River**
1 (TS)	**0**	**4**	**5**	**3**	**Sabine River**

1 (TS)	3	0	0	3	Neches River
1 (TS)	1	0	0	3	Neches River
1 (TS)	1	0	0	3	Neches River
1 (TS)	0	1	0	3	Neches River
1 (TS)	**5**	**1**	**0**	**3**	**Neches River**
1 (TS)	**3**	**1**	**0**	**3**	**Neches River**

1 (TS)	0	10	4	1	Red River
1 (TS)	0	1	1	1	Red River
1 (TS)	0	1	0	1	Red River
1 (TS)	0	1	0	1	Red River
1 (TS)	**0**	**13**	**5**	**1**	**Red River**
1 (TS)	**0**	**4**	**2**	**1**	**Red River**

2 (TS, QT)	11	1	0	1	Neches River
2 (TS, QT)	24	0	0	1	Neches River
2 (TS, QT)	1	2	0	1	Neches River
2 (TS, QT)	13	0	0	1	Neches River
2 (TS, QT)	1	0	0	1	Neches River
2 (TS, QT)	**50**	**3**	**0**	**1**	**Neches River**

2 (TS, QT)	**8**	**2**	**0**	**1**	**Neches River**
1 (TS)	1	60	1	0	Neches River
1 (TS)	3	24	0	0	Neches River
1 (TS)	0	31	1	0	Neches River
1 (TS)	18	189	0	0	Neches River
1 (TS)	5	69	0	0	Neches River

1 (TS)	1	45	0	0	Neches River
1 (TS)	1	29	0	0	Neches River
1 (TS)	3	95	4	0	Neches River
1 (TS)	0	39	3	0	Neches River
1 (TS)	0	9	0	0	Neches River
1 (TS)	6	31	0	0	Neches River

1 (TS)	0	1	0	0	Neches River
1 (TS)	0	7	0	0	Neches River
1 (TS)	0	14	0	0	Neches River
1 (TS)	0	12	0	0	Neches River
1 (TS)	0	38	0	0	Neches River
1 (TS)	0	1	0	0	Neches River

1 (TS)	0	7	0	0	Neches River
1 (TS)	**38**	**701**	**9**	**0**	**Neches River**
1 (TS)	**8**	**18**	**4**	**0**	**Neches River**
1 (TS)	36	11	0	1	Red River
1 (TS)	63	0	0	1	Red River
1 (TS)	0	2	0	1	Red River

1 (TS)	0	1	0	1	Red River
1 (TS)	4	0	0	1	Red River
1 (TS)	2	0	0	1	Red River
1 (TS)	3	0	0	1	Red River
1 (TS)	23	1	0	1	Red River
1 (TS)	5	6	0	1	Red River

1 (TS)	22	0	0	1	Red River
1 (TS)	2	0	0	1	Red River
1 (TS)	3	0	0	1	Red River
1 (TS)	**163**	**21**	**0**	1	**Red River**
1 (TS)	**10**	**5**	**0**	1	**Red River**
1 (TS)	35	90	0	1	Red River

1 (TS)	2	6	0	1	Red River
1 (TS)	1	6	3	1	Red River
1 (TS)	4	7	2	1	Red River
1 (TS)	46	13	3	1	Red River
1 (TS)	0	6	0	1	Red River
1 (TS)	**88**	**128**	**8**	**1**	**Red River**

1 (TS)	**5**	**6**	**3**	**1**	**Red River**
1 (TS)	27	80	2	1	Red River
1 (TS)	4	5	1	1	Red River
1 (TS)	152	91	5	1	Red River
1 (TS)	0	6	1	1	Red River
1 (TS)	1	0	0	1	Red River

1 (TS)	4	60	0	1	Red River
1 (TS)	25	27	3	1	Red River
1 (TS)	56	97	4	1	Red River
1 (TS)	**269**	**366**	**16**	**1**	**Red River**
1 (TS)	**7**	**7**	**6**	**1**	**Red River**
2 (TS, QT)	0	5	1	1 sand, gravel	San Jacinto

2 (TS, QT)	21	6	3	1 sand, gravel	San Jacinto
2 (TS, QT)	6	0	0	1 sand, gravel	San Jacinto
2 (TS, QT)	174	13	9	1 sand, gravel	San Jacinto
2 (TS, QT)	**201**	**24**	**13**	**1 sand, gravel**	**San Jacinto**
2 (TS, QT)	**6**	**3**	**3**	**1 sand, gravel**	**San Jacinto**
1 (TS)	9	64	3	1	Trinity River

1 (TS)	1	1	2	1	Trinity River
1 (TS)	7	45	2	1	Trinity River
1 (TS)	1	2	0	1	Trinity River
1 (TS)	0	0	1	1	Trinity River
1 (TS)	0	1	1	1	Trinity River
1 (TS)	0	1	0	1	Trinity River

1 (TS)	**18**	**113**	**9**	**1**	**Trinity River**
1 (TS)	**4**	**5**	**5**	**1**	**Trinity River**
1 (TS)	8	41	6	1	Colorado River
1 (TS)	8	25	2	1	Colorado River
1 (TS)	0	15	16	1	Colorado River
1 (TS)	0	1	1	1	Colorado River

1 (TS)	0	12	4	1	Colorado River
1 (TS)	**16**	**94**	**29**	**1**	**Colorado River**
1 (TS)	**2**	**5**	**5**	**1**	**Colorado River**
1 (TS)	0	4	6	1	Colorado River
1 (TS)	0	1	0	1	Colorado River
1 (TS)	0	3	24	1	Colorado River

1 (TS)	0	2	2	1	Colorado River
1 (TS)	0	0	1	1	Colorado River
1 (TS)	**0**	**10**	**33**	**1**	**Colorado River**
1 (TS)	**0**	**4**	**4**	**1**	**Colorado River**
1 (TS)	1	1	0	2	Trinity River
1 (TS)	1	0	9	2	Trinity River

1 (TS)	0	10	4	2	Trinity River
1 (TS)	1	14	43	2	Trinity River
1 (TS)	7	3	11	2	Trinity River
1 (TS)	0	0	1	2	Trinity River
1 (TS)	0	1	0	2	Trinity River
1 (TS)	0	0	3	2	Trinity River

1 (TS)	0	0	1	2	Trinity River
1 (TS)	**10**	**29**	**72**	**2**	**Trinity River**
1 (TS)	**4**	**5**	**7**	**2**	**Trinity River**
1 (TS)	1	0	1	**2**	Colorado River
1 (TS)	2	0	0	2	Colorado River
1 (TS)	21	33	15	2	Colorado River

1 (TS)	2	6	5	2	Colorado River
1 (TS)	0	6	3	2	Colorado River
1 (TS)	0	1	0	2	Colorado River
1 (TS)	**26**	**46**	**24**	**2**	**Colorado River**
1 (TS)	**4**	**4**	**4**	**2**	**Colorado River**
1 (TS)	1	3	1	3	Colorado River

1 (TS)	0	1	1	3	Colorado River
1 (TS)	1	1	0	3	Colorado River
1 (TS)	**2**	**5**	**2**	**3**	**Colorado River**
1 (TS)	**2**	**3**	**2**	**3**	**Colorado River**
1 (TS)	2	0	0	2	Guadalupe River
1 (TS)	6	1	0	2	Guadalupe River

1 (TS)	4	1	0	2	Guadalupe River
1 (TS)	**12**	**2**	**0**	**2**	**Guadalupe River**
1 (TS)	**3**	**2**	**0**	**2**	**Guadalupe River**
2 (TS, QT)	328	0	0	1	Guadalupe River
2 (TS, QT)	22	0	0	1	Guadalupe River
2 (TS, QT)	3	0	0	1	Guadalupe River

2 (TS, QT)	10	0	0	1	Guadalupe River
2 (TS, QT)	44	0	0	1	Guadalupe River
2 (TS, QT)	1	0	0	1	Guadalupe River
2 (TS, QT)	1	0	0	1	Guadalupe River
2 (TS, QT)	1	0	0	1	Guadalupe River
2 (TS, QT)	101	1	0	1	Guadalupe River

2 (TS, QT)	**511**	**1**	**0**	**1**	**Guadalupe River**
2 (TS, QT)	**12**	**1**	**0**	**1**	**Guadalupe River**
1 (TS)	8	0	0	2	Guadalupe River
1 (TS)	2	1	0	2	Guadalupe River
1 (TS)	1	0	0	2	Guadalupe River
1 (TS)	2	0	0	2	Guadalupe River

1 (TS)	5	0	0	2	Guadalupe River
1 (TS)	2	0	0	2	Guadalupe River
1 (TS)	15	6	0	2	Guadalupe River
1 (TS)	17	14	0	2	Guadalupe River
1 (TS)	**52**	**21**	**0**	**2**	**Guadalupe River**
1 (TS)	**8**	**3**	**0**	**2**	**Guadalupe River**

1 (TS)	25	4	0	2	Guadalupe River
1 (TS)	20	3	0	2	Guadalupe River
1 (TS)	7	0	0	2	Guadalupe River
1 (TS)	5	0	0	2	Guadalupe River
1 (TS)	2	0	0	2	Guadalupe River
1 (TS)	1	6	0	2	Guadalupe River

1 (TS)	0	1	0	2		Guadalupe River
1 (TS)	7	1	0	2		Guadalupe River
1 (TS)	**67**	**15**	**0**	**2**		**Guadalupe River**
1 (TS)	**7**	**5**	**0**	**2**		**Guadalupe River**
1 (TS)	0	1	0	3	was drained last time in February 2004, 1.5 years ago	Colorado River
1 (TS)	0	0	1	3	was drained last time in February 2004, 1.5 years ago	Colorado River

1 (TS)	**0**	**1**	**1**	**3**	was drained last time in February 2004, 1.5 years ago	**Colorado River**
1 (TS)	**0**	**1**	**1**	**3**	was drained last time in February 2004, 1.5 years ago	**Colorado River**
1 (TS)	0	1	1	3		Red River
1 (TS)	0	0	1	3		Red River
1 (TS)	0	1	2	**3**		**Red River**
1 (TS)	0	1	2	**3**		**Red River**

1 (TS)	25	9	2	3	Colorado River
1 (TS)	5	4	3	3	Colorado River
1 (TS)	16	4	3	3	Colorado River
1 (TS)	0	1	0	3	Colorado River
1 (TS)	0	3	6	3	Colorado River
1 (TS)	0	25	2	3	Colorado River

1 (TS)	**46**	**46**	**16**	**3**	**Colorado River**
1 (TS)	**3**	**6**	**5**	**3**	**Colorado River**
1 (TS)	0	2	0	3	Colorado River
1 (TS)	0	0	2	3	Colorado River
1 (TS)	0	0	1	3	Colorado River
1 (TS)	0	0	1	3	Colorado River

1 (TS)	**0**	**2**	**4**	**3**	**Colorado River**
1 (TS)	**0**	**2**	**4**	**3**	**Colorado River**
1 (TS)	94	37	5	1	Nueces River
1 (TS)	7	3	0	1	Nueces River
1 (TS)	0	1	3	1	Nueces River
1 (TS)	164	27	1	1	Nueces River

1 (TS)	6	16	0	1	Nueces River
1 (TS)	3	15	0	1	Nueces River
1 (TS)	1	1	0	1	Nueces River
1 (TS)	**275**	**100**	**9**	**1**	**Nueces River**
1 (TS)	**6**	**7**	**3**	**1**	**Nueces River**
2 (TS, QT)	47	12	1	3	Nueces River

2 (TS, QT)	42	5	1	3	Nueces River
2 (TS, QT)	19	9	1	3	Nueces River
2 (TS, QT)	11	9	1	3	Nueces River
2 (TS, QT)	1	2	1	3	Nueces River
2 (TS, QT)	1	0	0	3	Nueces River
2 (TS, QT)	0	1	1	3	Nueces River

2 (TS, QT)	0	0	1	3	Nueces River
2 (TS, QT)	**121**	**38**	**7**	**3**	**Nueces River**
2 (TS, QT)	**6**	**6**	**7**	**3**	**Nueces River**
1 (TS)	28	12	1	3	Guadalupe River
1 (TS)	38	28	0	2	Guadalupe River
1 (TS)	5	0	0	2	Guadalupe River

1 (TS)	10	1	0	2	Guadalupe River
1 (TS)	0	1	0	2	Guadalupe River
1 (TS)	3	0	0	2	Guadalupe River
1 (TS)	3	0	0	2	Guadalupe River
1 (TS)	24	3	0	2	Guadalupe River
1 (TS)	**111**	**45**	**1**	2	**Guadalupe River**

1 (TS)	**7**	**5**	**1**	2	**Guadalupe River**
1 (TS)	6	not recorded	not recorded	1	Nueces River
1 (TS)	38	not recorded	not recorded	1	Nueces River
1 (TS)	127	not recorded	not recorded	1	Nueces River
1 (TS)	22	not recorded	not recorded	1	Nueces River
1 (TS)	20	not recorded	not recorded	1	Nueces River

1 (TS)	8	not recorded	not recorded	1	Nueces River
1 (TS)	11	not recorded	not recorded	1	Nueces River
1 (TS)	**232**	**not recorded**	**not recorded**	**1**	**Nueces River**
1 (TS)	**7**	**not recorded**	**not recorded**	**1**	**Nueces River**
1 (TS)	0	13	0	2	San Jacinto River
1 (TS)	1	0	0	2	San Jacinto River

1 (TS)	17	4	0	2	San Jacinto River
1 (TS)	3	2	0	2	San Jacinto River
1 (TS)	1	9	1	2	San Jacinto River
1 (TS)	1	0	0	2	San Jacinto River
1 (TS)	46	16	0	2	San Jacinto River
1 (TS)	0	2	5	2	San Jacinto River

1 (TS)	0	0	1	2	San Jacinto River
1 (TS)	0	1	0	2	San Jacinto River
1 (TS)	3	0	0	2	San Jacinto River
1 (TS)	**72**	**47**	**7**	**2**	**San Jacinto River**
1 (TS)	**7**	**7**	**3**	**2**	**San Jacinto River**
1 (TS)	4	34	8	3	Trinity River

1 (TS)	0	1	0	3	Trinity River
1 (TS)	6	24	4	3	Trinity River
1 (TS)	1	1	1	3	Trinity River
1 (TS)	2	6	0	3	Trinity River
1 (TS)	1	1	0	3	Trinity River
1 (TS)	0	0	5	3	Trinity River

1 (TS)	0	1	3	3	Trinity River
1 (TS)	0	0	2	3	Trinity River
1 (TS)	0	1	0	3	Trinity River
1 (TS)	**14**	**69**	**23**	**3**	**Trinity River**
1 (TS)	**5**	**8**	**6**	**3**	**Trinity River**
1 (TS)	0	29	1	1	Trinity River

1 (TS)	0	1	1	1	Trinity River
1 (TS)	0	7	2	1	Trinity River
1 (TS)	0	20	2	1	Trinity River
1 (TS)	0	0	1	1	Trinity River
1 (TS)	0	6	3	1	Trinity River
1 (TS)	**0**	**63**	**10**	**1**	**Trinity River**

1 (TS)	**0**	**5**	**6**	**1**		**Trinity River**
1 (TS)	1	120	6	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	23	1	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	13	155	10	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	8	0	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	16	0	0	reservoir was drained after the Hurricane Rita	Trinity River

1 (TS)	0	3	0	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	4	2	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	18	3	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	1	4	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	8	1	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	1	0	0	0	reservoir was drained after the Hurricane Rita	Trinity River

1 (TS)	4	0	0	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	0	1	0	0	reservoir was drained after the Hurricane Rita	Trinity River
1 (TS)	**19**	**357**	**27**	**0**	**reservoir was drained after the Hurricane Rita**	**Trinity River**
1 (TS)	**4**	**11**	**7**	**0**	**reservoir was drained after the Hurricane Rita**	**Trinity River**
1 (TS)	2	1	0	2	reservoir was recently dredged, shore is steep from 0.7 meters.	Colorado River
1 (TS)	0	0	2	2	reservoir was recently dredged, shore is steep from 0.7 meters.	Colorado River

1 (TS)	0	0	1	2	reservoir was recently dredged, shore is steep from 0.7 meters.	Colorado River
1 (TS)	0	1	0	2	reservoir was recently dredged, shore is steep from 0.7 meters.	Colorado River
1 (TS)	**2**	**2**	**3**	**2**	**reservoir was recently dredged, shore is steep from 0.7 meters.**	**Colorado River**
1 (TS)	**1**	**2**	**2**	**2**	**reservoir was recently dredged, shore is steep from 0.7 meters.**	**Colorado River**
1 (TS)	7	2	0	2		Colorado River
1 (TS)	0	2	1	2		Colorado River

1 (TS)	0	1	0	2	Colorado River
1 (TS)	0	5	0	2	Colorado River
1 (TS)	**7**	**10**	**1**	**2**	**Colorado River**
1 (TS)	**1**	**4**	**1**	**2**	**Colorado River**
1 (TS)	0	25	26	1	Red River
1 (TS)	0	0	4	1	Red River

1 (TS)	0	0	1	1	Red River
1 (TS)	**0**	**25**	**31**	**1**	**Red River**
1 (TS)	**0**	**1**	**3**	**1**	**Red River**
1 (TS)	2	2	1	1	Colorado River
1 (TS)	5	0	1	1	Colorado River
1 (TS)	**7**	**2**	**2**	**1**	**Colorado River**

1 (TS)	**2**	**1**	**2**	**1**	**Colorado River**
2 (TS, QT)	21	5	0	1	Neches River
2 (TS, QT)	0	8	0	1	Neches River
2 (TS, QT)	0	4	0	1	Neches River
2 (TS, QT)	12	7	0	1	Neches River
2 (TS, QT)	19	6	0	1	Neches River

2 (TS, QT)	0	4	0	1	Neches River
2 (TS, QT)	0	2	0	1	Neches River
2 (TS, QT)	0	1	0	1	Neches River
2 (TS, QT)	0	6	0	1	Neches River
2 (TS, QT)	7	3	0	1	Neches River
2 (TS, QT)	5	4	0	1	Neches River

2 (TS, QT)	5	9	0	1	Neches River
2 (TS, QT)	44	18	0	1	Neches River
2 (TS, QT)	1	1	0	1	Neches River
2 (TS, QT)	85	14	0	1	Neches River
2 (TS, QT)	11	4	0	1	Neches River
2 (TS, QT)	3	1	0	1	Neches River

2 (TS, QT)	**215**	**97**	**0**	**1**	**Neches River**
2 (TS, QT)	**11**	**17**	**0**	**1**	**Neches River**
1 (TS)	0	15	0	0	Red River
1 (TS)	0	5	0	0	Red River
1 (TS)	0	13	0	0	Red River
1 (TS)	0	3	0	0	Red River

1 (TS)	2	6	0	0	Red River
1 (TS)	0	10	0	0	Red River
1 (TS)	0	1	0	0	Red River
1 (TS)	**2**	**53**	**0**	**0**	**Red River**
1 (TS)	**1**	**7**	**0**	**0**	**Red River**
1 (TS)	13	18	7	2	Red River

1 (TS)	6	19	0	2	Red River
1 (TS)	8	16	3	2	Red River
1 (TS)	0	18	0	2	Red River
1 (TS)	5	1	0	2	Red River
1 (TS)	22	28	26	2	Red River
1 (TS)	13	20	9	2	Red River

1 (TS)	4	0	0	2	Red River
1 (TS)	0	1	0	2	Red River
1 (TS)	71	121	45	**2**	**Red River**
1 (TS)	7	8	4	**2**	**Red River**
2 (TS, QT)	51	10	0	2	Sabine River
2 (TS, QT)	32	5	0	2	Sabine River

2 (TS, QT)	37	6	0	2	Sabine River
2 (TS, QT)	42	3	0	2	Sabine River
2 (TS, QT)	16	4	0	2	Sabine River
2 (TS, QT)	12	5	0	2	Sabine River
2 (TS, QT)	1	1	0	2	Sabine River
2 (TS, QT)	2	4	0	2	Sabine River

2 (TS, QT)	2	0	0	2	Sabine River
2 (TS, QT)	1	0	0	2	Sabine River
2 (TS, QT)	44	21	0	2	Sabine River
2 (TS, QT)	1	2	0	2	Sabine River
2 (TS, QT)	5	1	0	2	Sabine River
2 (TS, QT)	3	1	0	2	Sabine River

2 (TS, QT)	1	0	0	2	Sabine River
2 (TS, QT)	1	0	0	2	Sabine River
2 (TS, QT)	1	0	0	2	Sabine River
2 (TS, QT)	**252**	**63**	**0**	2	**Sabine River**
2 (TS, QT)	**15**	**12**	**0**	**2**	**Sabine River**
1 (TS)	0	2	2	2	Guadalupe River

1 (TS)	0	0	3	2	Guadalupe River
1 (TS)	9	13	8	2	Guadalupe River
1 (TS)	11	6	8	2	Guadalupe River
1 (TS)	3	0	7	2	Guadalupe River
1 (TS)	0	0	1	2	Guadalupe River
1 (TS)	0	0	1	2	Guadalupe River

1 (TS)	0	0	1	2	Guadalupe River
1 (TS)	**23**	**21**	**31**	**2**	**Guadalupe River**
1 (TS)	**3**	**3**	**8**	**2**	**Guadalupe River**
1 (TS)	8	3	0	2	Colorado River
1 (TS)	3	2	2	2	Colorado River
1 (TS)	1	0	1	2	Colorado River

1 (TS)	1	1	3	2	Colorado River
1 (TS)	7	1	10	2	Colorado River
1 (TS)	0	2	0	2	Colorado River
1 (TS)	**20**	**9**	**16**	**2**	**Colorado River**
1 (TS)	**5**	**5**	**4**	**2**	**Colorado River**
1 (TS)	6	83	1	1	Red River

1 (TS)	1	5	1	1	Red River
1 (TS)	2	1	0	1	Red River
1 (TS)	0	6	0	1	Red River
1 (TS)	18	67	24	1	Red River
1 (TS)	11	81	0	1	Red River
1 (TS)	0	4	2	1	Red River

1 (TS)	10	83	31	1	Red River
1 (TS)	0	33	0	1	Red River
1 (TS)	0	1	0	1	Red River
1 (TS)	0	0	1	1	Red River
1 (TS)	0	3	0	1	Red River
1 (TS)	**48**	**367**	**60**	**1**	**Red River**

1 (TS)	**6**	**11**	**6**		**1**	**Red River**
Random Search (Time search but for species only)	0	16	not recorded		1 clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	6	not recorded		1 clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	6	not recorded		1 clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	13	not recorded		1 clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	present	not recorded		1 clay, gravel, sand	Red River

Random Search (Time search but for species only)	2	present	not recorded	1	clay, gravel, sand	Red River
Random Search (Time search but for species only)	4	present	not recorded	1	clay, gravel, sand	Red River
Random Search (Time search but for species only)	2	present	not recorded	1	clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	present	not recorded	1	clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	present	not recorded	1	clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	present	not recorded	1	clay, gravel, sand	Red River

Random Search (Time search but for species only)	0	present	not recorded	1 clay, gravel, sand	Red River
Random Search (Time search but for species only)	0	present	not recorded	1 clay, gravel, sand	Red River
Random Search (Time search but for species only)	**8**	**not recorded**	**not recorded**	**1 clay, gravel, sand**	**Red River**
Random Search (Time search but for species only)	**3**	**13**	**not recorded**	**1 clay, gravel, sand**	**Red River**
1 (TS)	7	28	8	2 sand	Sabine River
1 (TS)	1	0	0	2 sand	Sabine River

1 (TS)	2	0	0	2 sand	Sabine River
1 (TS)	0	7	1	2 sand	Sabine River
1 (TS)	1	0	0	2 sand	Sabine River
1 (TS)	1	0	0	2 sand	Sabine River
1 (TS)	0	1	1	2 sand	Sabine River
1 (TS)	3	0	0	2 sand	Sabine River

1 (TS)	1	0	0	2 sand	Sabine River
1 (TS)	**16**	**36**	**10**	**2 sand**	**Sabine River**
1 (TS)	**7**	**3**	**3**	**2 sand**	**Sabine River**
1 (TS)	0	2	0	2 sand	Sabine River
1 (TS)	18	7	0	2 sand	Sabine River
1 (TS)	0	4	1	2 sand	Sabine River

1 (TS)	0	1	1	2 sand	Sabine River
1 (TS)	5	3	0	2 sand	Sabine River
1 (TS)	0	1	0	2 sand	Sabine River
1 (TS)	2	2	0	2 sand	Sabine River
1 (TS)	7	1	0	2 sand	Sabine River
1 (TS)	6	3	1	2 sand	Sabine River

1 (TS)	1	0	0	2 sand	Sabine River
1 (TS)	1	0	0	2 sand	Sabine River
1 (TS)	0	1	1	2 sand	Sabine River
1 (TS)	1	0	0	2 sand	Sabine River
1 (TS)	6	14	1	2 sand	Sabine River
1 (TS)	0	1	0	2 sand	Sabine River

1 (TS)	**47**	**40**	**5**	**2 sand**	**Sabine River**
1 (TS)	**9**	**12**	**5**	**2 sand**	**Sabine River**
2 (TS, QT)	14	1	0	1 gravel, sand	Neches River
2 (TS, QT)	4	1	0	1 gravel, sand	Neches River
2 (TS, QT)	3	0	0	1 gravel, sand	Neches River
2 (TS, QT)	1	0	0	1 gravel, sand	Neches River

2 (TS, QT)	25	5	0	1 gravel, sand	Neches River
2 (TS, QT)	2	1	0	1 gravel, sand	Neches River
2 (TS, QT)	1	0	0	1 gravel, sand	Neches River
2 (TS, QT)	31	2	0	1 gravel, sand	Neches River
2 (TS, QT)	**81**	**10**	**0**	**1 gravel, sand**	**Neches River**
2 (TS, QT)	**8**	**5**	**0**	**1 gravel, sand**	**Neches River**

1 (TS)	23	46	2	0 sand, silt, gravel	Brazos River
1 (TS)	0	5	0	0 sand, silt, gravel	Brazos River
1 (TS)	0	9	2	0 sand, silt, gravel	Brazos River
1 (TS)	66	32	9	0 sand, silt, gravel	Brazos River
1 (TS)	1	2	0	0 sand, silt, gravel	Brazos River
1 (TS)	13	70	3	0 sand, silt, gravel	Brazos River

1 (TS)	2	0	0	0	sand, silt, gravel	Brazos River
1 (TS)	0	1	0	0	sand, silt, gravel	Brazos River
1 (TS)	**105**	**165**	**16**	**0**	**sand, silt, gravel**	**Brazos River**
1 (TS)	**5**	**7**	**4**	**0**	**sand, silt, gravel**	**Brazos River**
1 (TS)	0	1	0	3	bedrock, occasional gravel, sand	Colorado River
1 (TS)	**0**	**1**	**0**	**3**	**bedrock, occasional gravel, sand**	Colorado River

1 (TS)	**0**	**1**	**0**	**3**	**bedrock, occasional gravel, sand**	Colorado River
2 (TS, QT)	0	1	0	1	sand	Neches River
2 (TS, QT)	0	1	0	1	sand	Neches River
2 (TS, QT)	1	2	0	1	sand	Neches River
2 (TS, QT)	3	0	0	1	sand	Neches River
2 (TS, QT)	27	0	0	1	sand	Neches River

2 (TS, QT)	1	0	0	1 sand	Neches River
2 (TS, QT)	4	1	0	1 sand	Neches River
2 (TS, QT)	8	0	0	1 sand	Neches River
2 (TS, QT)	0	0	0	1 sand	Neches River
2 (TS, QT)	20	0	0	1 sand	Neches River
2 (TS, QT)	70	1	0	1 sand	Neches River

2 (TS, QT)	7	1	0	1	sand	Neches River
2 (TS, QT)	0	2	0	1	sand	Neches River
2 (TS, QT)	**141**	**9**	**0**	1	**sand**	**Neches River**
2 (TS, QT)	**9**	**7**	**0**	1	**sand**	**Neches River**
1 (TS)	1	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	3	0	0	1	silt, detritus, wood debries	Neches River

1 (TS)	28	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	42	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	1	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	6	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	14	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	1	0	0	1	silt, detritus, wood debries	Neches River

1 (TS)	13	0	0	1	silt, detritus, wood debries	Neches River
1 (TS)	**109**	**0**	**0**	**1**	**silt, detritus, wood debries**	**Neches River**
1 (TS)	**9**	**0**	**0**	**1**	**silt, detritus, wood debries**	**Neches River**
2 (TS, QT)	3	0	0	1	sand	Neches River
2 (TS, QT)	1	0	0	1	sand	Neches River
2 (TS, QT)	5	0	0	1	sand	Neches River

2 (TS, QT)	2	0	0	1 sand	Neches River
2 (TS, QT)	91	10	0	1 sand	Neches River
2 (TS, QT)	7	0	0	1 sand	Neches River
2 (TS, QT)	15	0	0	1 sand	Neches River
2 (TS, QT)	29	0	0	1 sand	Neches River
2 (TS, QT)	57	1	0	1 sand	Neches River

2 (TS, QT)	39	0	0	1	sand	Neches River
2 (TS, QT)	6	0	0	1	sand	Neches River
2 (TS, QT)	**255**	**11**	**0**	**1**	**sand**	**Neches River**
2 (TS, QT)	**11**	**2**	**0**	**1**	**sand**	**Neches River**
1 (TS)	1	2	14	2	sand, gravel	San Antonio
1 (TS)	0	0	1	2	sand, gravel	San Antonio

1 (TS)	6	3	3	2	sand, gravel	San Antonio
1 (TS)	0	1	1	2	sand, gravel	San Antonio
1 (TS)	0	0	4	2	sand, gravel	San Antonio
1 (TS)	7	6	23	**2**	**sand, gravel**	**San Antonio**
1 (TS)	2	3	5	**2**	**sand, gravel**	**San Antonio**
1 (TS)	0	7	11	2	silt, sand	San Antonio

1 (TS)	0	0	11	2	silt, sand	San Antonio
1 (TS)	4	7	3	2	silt, sand	San Antonio
1 (TS)	0	4	0	2	silt, sand	San Antonio
1 (TS)	0	1	0	2	silt, sand	San Antonio
1 (TS)	**4**	**19**	**25**	**2**	**silt, sand**	**San Antonio**
1 (TS)	**1**	**4**	**3**	**2**	**silt, sand**	**San Antonio**

1 (TS)	0	1	2	2	rock, gravel	San Antonio
1 (TS)	0	0	1	2	rock, gravel	San Antonio
1 (TS)	**0**	**1**	**3**	**2**	**rock, gravel**	**San Antonio**
1 (TS)	**0**	**1**	**2**	**2**	**rock, gravel**	**San Antonio**
2 (TS, QT)	7	3	0	2	silt, sand	Brazos
2 (TS, QT)	24	1	0	2	silt, sand	Brazos

2 (TS, QT)	16	5	0	2	silt, sand	Brazos
2 (TS, QT)	1	0	0	2	silt, sand	Brazos
2 (TS, QT)	0	1	0	2	silt, sand	Brazos
2 (TS, QT)	7	1	0	2	silt, sand	Brazos
2 (TS, QT)	**55**	**11**	**0**	**2**	**silt, sand**	**Brazos**
2 (TS, QT)	**5**	**5**	**0**	**2**	**silt, sand**	**Brazos**

1 (TS)	0	0	1	2 large rock, gravel	Brazos
1 (TS)	0	0	1	2 large rock, gravel	Brazos
1 (TS)	0	2	2	2 large rock, gravel	Brazos
1 (TS)	**0**	**2**	**4**	**2 large rock, gravel**	**Brazos**
1 (TS)	**0**	**1**	**3**	**2 large rock, gravel**	**Brazos**
2 (TS, QT)	51	24	4	2 sand, silt and sand, cobble	Brazos

2 (TS, QT)	2	2	1	sand, silt and 2 sand, cobble	Brazos
2 (TS, QT)	2	10	2	sand, silt and 2 sand, cobble	Brazos
2 (TS, QT)	2	9	3	sand, silt and 2 sand, cobble	Brazos
2 (TS, QT)	0	10	1	sand, silt and 2 sand, cobble	Brazos
2 (TS, QT)	0	1	0	sand, silt and 2 sand, cobble	Brazos
2 (TS, QT)	3	3	1	sand, silt and 2 sand, cobble	Brazos

2 (TS, QT)	**60**	**59**	**12**	**2 sand, silt and sand, cobble**	**Brazos**
2 (TS, QT)	**4**	**7**	**6**	**2 sand, silt and sand, cobble**	**Brazos**
1 (TS)	0	2	5	2 rocks and gravel	Brazos
1 (TS)	**0**	**2**	**5**	**2 rocks and gravel**	**Brazos**
1 (TS)	**0**	**1**	**1**	**2 rocks and gravel**	**Brazos**
1 (TS)	20	0	0	2 sand, sand and clay	Brazos

1 (TS)	6	0	0	2	sand, sand and clay	Brazos
1 (TS)	2	2	0	2	sand, sand and clay	Brazos
1 (TS)	1	1	0	2	sand, sand and clay	Brazos
1 (TS)	0	5	0	2	sand, sand and clay	Brazos
1 (TS)	2	1	0	2	sand, sand and clay	Brazos
1 (TS)	0	1	0	2	sand, sand and clay	Brazos

1 (TS)	**31**	**10**	**0**	**2 sand, sand and clay**	**Brazos**
1 (TS)	**4**	**5**	**0**	**2 sand, sand and clay**	**Brazos**
1 (TS)	0	1	2	2 silt	Brazos
1 (TS)	1	2	0	2 silt	Brazos
1 (TS)	1	0	2	2 silt	Brazos
1 (TS)	0	1	0	2 silt	Brazos

1 (TS)	3	2	3	2 silt	Brazos
1 (TS)	0	1	4	2 silt	Brazos
1 (TS)	0	0	3	2 silt	Brazos
1 (TS)	0	1	0	2 silt	Brazos
1 (TS)	2	0	0	2 silt	Brazos
1 (TS)	**7**	**8**	**14**	**2 silt**	**Brazos**

1 (TS)	**4**	**6**	**5**	**2 silt**	**Brazos**
1 (TS)	2	2	0	2 silt	Brazos
1 (TS)	**3**	**2**	**0**	**2 silt**	**Brazos**
1 (TS)	**2**	**1**	**0**	**2 silt**	**Brazos**
1 (TS)	0	0	6	2 sand, gravel	Brazos

1 (TS)	0	4	0	2 sand, gravel	Brazos
1 (TS)	0	4	7	2 sand, gravel	Brazos
1 (TS)	0	0	8	2 sand, gravel	Brazos
1 (TS)	0	0	7	2 sand, gravel	Brazos
1 (TS)	**0**	**8**	**28**	**2 sand, gravel**	**Brazos**
1 (TS)	**0**	**2**	**4**	**2 sand, gravel**	**Brazos**

1 (TS)	1	0	0	2 silt, clay	Brazos
1 (TS)	0	1	0	2 silt, clay	Brazos
1 (TS)	1	1	1	2 silt, clay	Brazos
1 (TS)	2	1	0	2 silt, clay	Brazos
1 (TS)	0	0	1	2 silt, clay	Brazos
1 (TS)	4	3	2	2 silt, clay	Brazos

1 (TS)	3	3	2	2 silt, clay	Brazos
2 (TS, QT)	16	12	0	1 silt and sand, sand	Brazos
2 (TS, QT)	1	6	0	1 silt and sand, sand	Brazos
2 (TS, QT)	2	3	0	1 silt and sand, sand	Brazos
2 (TS, QT)	0	1	0	1 silt and sand, sand	Brazos
2 (TS, QT)	0	1	0	1 silt and sand, sand	Brazos

2 (TS, QT)	9	8	0	1	silt and sand, sand	Brazos
2 (TS, QT)	50	33	0	1	silt and sand, sand	Brazos
2 (TS, QT)	0	2	0	1	silt and sand, sand	Brazos
2 (TS, QT)	1	10	3	1	silt and sand, sand	Brazos
2 (TS, QT)	**79**	**76**	**3**	**1**	**silt and sand, sand**	**Brazos**
2 (TS, QT)	**6**	**9**	**1**	**1**	**silt and sand, sand**	**Brazos**

1 (TS)	0	0	18	2 sand and gravel	Brazos
1 (TS)	0	0	15	2 sand and gravel	Brazos
1 (TS)	0	0	1	2 sand and gravel	Brazos
1 (TS)	**0**	**0**	**34**	**2 sand and gravel**	**Brazos**
1 (TS)	**0**	**0**	**3**	**2 sand and gravel**	**Brazos**
1 (TS)	0	1	0	2 sand and gravel	Brazos

1 (TS)	**0**	**1**	**0**	**2 sand and gravel**	**Brazos**
1 (TS)	**0**	**1**	**0**	**2 sand and gravel**	**Brazos**
1 (TS)	0	6	5	2 small rocks, gravel	Brazos
1 (TS)	0	1	0	2 small rocks, gravel	Brazos
1 (TS)	**0**	**7**	**5**	**small rocks, 2 gravel**	**Brazos**
1 (TS)	**0**	**2**	**1**	**small rocks, 2 gravel**	**Brazos**

1 (TS)	0	0	1	2 sand and clay	Brazos
1 (TS)	**0**	**0**	**1**	**2 sand and clay**	**Brazos**
1 (TS)	**0**	**0**	**1**	**2 sand and clay**	**Brazos**
1 (TS)	0	8	1	2 small rocks, gravel	Brazos
1 (TS)	0	0	1	2 small rocks, gravel	Brazos
1 (TS)	0	0	1	2 small rocks, gravel	Brazos

1 (TS)	**0**	**8**	**3**	**2**	**small rocks, gravel**	**Brazos**
1 (TS)	**0**	**1**	**3**	**2**	**small rocks, gravel**	**Brazos**
2 (TS, QT)	61	0	0	1	sand, large rocks	Brazos
2 (TS, QT)	3	0	0	1	sand, large rocks	Brazos
2 (TS, QT)	1	0	0	1	sand, large rocks	Brazos
2 (TS, QT)	2	0	0	1	sand, large rocks	Brazos

2 (TS, QT)	2	0	0	1 sand, large rocks	Brazos
2 (TS, QT)	0	1	0		
2 (TS, QT)	**69**	**0**	**0**	**1 sand, large rocks**	**Brazos**
2 (TS, QT)	**5**	**0**	**0**	**1 sand, large rocks**	**Brazos**
2 (TS, QT, Random search)	16	1	0	1 silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	1	0	0	1 silt and sand, silt and clay	Brazos

2 (TS, QT, Random search)	3	0	0	1	silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	10	3	0	1	silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	0	1	0	1	silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	14	1	0	1	silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	7	1	0	1	silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	15	0	0	1	silt and sand, silt and clay	Brazos

2 (TS, QT, Random search)	6	1	0	1	silt and sand, silt and clay	Brazos
2 (TS, QT, Random search)	**65**	**8**	**0**	**1**	**silt and sand, silt and clay**	**Brazos**
2 (TS, QT, Random search)	**7**	**6**	**0**	**1**	**silt and sand, silt and clay**	**Brazos**
1 (TS)	0	0	1		sand and detrite	Brazos
1 (TS)	0	0	3		sand and detrite	Brazos
1 (TS)	0	0	1		sand and detrite	Brazos

1 (TS)	0	1	0		sand and detrite	Brazos
1 (TS)	**0**	**1**	**5**		**sand and detrite**	**Brazos**
1 (TS)	**0**	**1**	**3**		**sand and detrite**	**Brazos**
1 (TS)	0	1	0		sand and detrite	Brazos
1 (TS)	**0**	**1**	**0**		**sand and detrite**	**Brazos**
1 (TS)	**0**	**1**	**0**		**sand and detrite**	**Brazos**

1 (TS)		2	0	0	sand and detrite	Brazos
1 (TS)		0	0	1	sand and detrite	Brazos
1 (TS)		**2**	**0**	**1**	**sand and detrite**	**Brazos**
1 (TS)		**1**	**0**	**1**	**sand and detrite**	**Brazos**
1 (TS)		3	5	2	sand, silt and sand	Brazos
1 (TS)		0	1	1	sand, silt and sand	Brazos

1 (TS)	0	1	0		sand, silt and sand	Brazos
1 (TS)	12	4	0		sand, silt and sand	Brazos
1 (TS)	0	1	0		sand, silt and sand	Brazos
1 (TS)	1	4	0		sand, silt and sand	Brazos
1 (TS)	2	0	0		sand, silt and sand	Brazos
1 (TS)	0	2	0		sand, silt and sand	Brazos

1 (TS)	**18**	**18**	**3**		**sand, silt and sand**	**Brazos**
1 (TS)	**7**	**7**	**2**		**sand, silt and sand**	**Brazos**
1 (TS)	3	0	0		silt, clay	Brazos
1 (TS)	4	0	0		silt, clay	Brazos
1 (TS)	1	0	0		silt, clay	Brazos
1 (TS)	1	0	0		silt, clay	Brazos

1 (TS)	**9**	**0**	**0**		**silt, clay**	**Brazos**
1 (TS)	**4**	**0**	**0**		**silt, clay**	**Brazos**
1 (TS)	0	0	1		silt and sand, sand and dertitus	Brazos
1 (TS)	14	1	0		silt and sand, sand and dertitus	Brazos
1 (TS)	14	1	1		**silt and sand, sand and dertitus**	**Brazos**
1 (TS)	1	1	1		**silt and sand, sand and dertitus**	**Brazos**

2 (TS, QT)	8	0	0	sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	3	0	0	sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	18	0	0	sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	3	0	0	sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	0	1	0	sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	0	0	0	sand and clay, silt, rocks and gravel	Brazos

2 (TS, QT)	2	0	0		sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	4	0	0		sand and clay, silt, rocks and gravel	Brazos
2 (TS, QT)	**38**	**1**	**0**		**sand and clay, silt, rocks and gravel**	**Brazos**
2 (TS, QT)	**4**	**1**	**0**		**sand and clay, silt, rocks and gravel**	**Brazos**
1 (TS)	0	1	0	1	sand and detritus	Sabine
1 (TS)	0	7	0	1	sand and detritus	Sabine

1 (TS)	0	1	0	1 sand and detritus	Sabine
1 (TS)	4	19	0	1 sand and detritus	Sabine
1 (TS)	0	1	0	1 sand and detritus	Sabine
1 (TS)	0	1	0	1 sand and detritus	Sabine
1 (TS)	0	2	0	1 sand and detritus	Sabine
1 (TS)	0	1	0	1 sand and detritus	Sabine

1 (TS)	**4**	**33**	**0**	**1 sand and detritus**	**Sabine**
1 (TS)	**1**	**8**	**0**	**1 sand and detritus**	**Sabine**
2 (TS, QT)	2	7	0	1 sand and detritus	Sabine
2 (TS, QT)	0	3	0	1 sand and detritus	Sabine
2 (TS, QT)	0	1	0	1 sand and detritus	Sabine
2 (TS, QT)	**2**	**11**	**0**	**1 sand and detritus**	**Sabine**

2 (TS, QT)	**1**	**3**	**0**	**1 sand and detritus**	**Sabine**
1 (TS)	0	10	10	1 sand and clay	San Antonio
1 (TS)	0	0	13	1 sand and clay	San Antonio
1 (TS)	0	5	20	1 sand and clay	San Antonio
1 (TS)	0	10	52	1 sand and clay	San Antonio
1 (TS)	0	0	2	1 sand and clay	San Antonio

		0	0	1		
1 (TS)		**0**	**25**	**98**	**1 sand and clay**	**San Antonio**
1 (TS)		**0**	**3**	**5**	**1 sand and clay**	**San Antonio**
1 (TS)		137	0	0	silt and sand	San Antonio
1 (TS)		2	0	0	silt and sand	San Antonio
1 (TS)		**139**	**0**	**0**	**silt and sand**	**San Antonio**

1 (TS)	**2**	**0**	**0**		**silt and sand**	**San Antonio**
1 (TS)	2	0	0		silt	San Antonio
1 (TS)	21	0	0		silt	San Antonio
1 (TS)	**23**	**0**	**0**		**silt**	**San Antonio**
1 (TS)	**2**	**0**	**0**		**silt**	**San Antonio**
1 (TS)	4	0	0		silt and sand	San Antonio

1 (TS)	7	0	0		silt and sand	San Antonio
1 (TS)	35	0	0		silt and sand	San Antonio
1 (TS)	**46**	**0**	**0**		**silt and sand**	**San Antonio**
1 (TS)	**3**	**0**	**0**		**silt and sand**	**San Antonio**
1 (TS)	0	2	6		sand and gravel	San Antonio
1 (TS)	0	0	4		sand and gravel	San Antonio

1 (TS)	2	1	10			sand and gravel	San Antonio
1 (TS)	0	4	4			sand and gravel	San Antonio
1 (TS)	0	1	22			sand and gravel	San Antonio
1 (TS)	**2**	**8**	**46**			**sand and gravel**	**San Antonio**
1 (TS)	**1**	**4**	**5**			**sand and gravel**	**San Antonio**
2 (TS, AS)	16	0	0		2	silt sand at shores, sand, and some gravel in the middle	Colorado

2 (TS, AS)	0	1	0	2	silt sand at shores, sand, and some gravel in the middle	Colorado
2 (TS, AS)	2	0	0	2	silt sand at shores, sand, and some gravel in the middle	Colorado
2 (TS, AS)	**18**	**1**	**0**	**2**	**silt sand at shores, sand, and some gravel in the middle**	**Colorado**
2 (TS, AS)	**2**	**1**	**0**	**1**	**sand silt gravel in shallow places**	**Colorado**
1 (TS)	23	many	many	1	sand silt gravel in shallow places	Colorado
1 (TS)	1	5	few	1	sand silt gravel in shallow places	Colorado

1 (TS)	2	quite a few		quite a few		1	sand silt gravel in shallow places	Colorado
1 (TS)	0	some		some		1	sand silt gravel in shallow places	Colorado
1 (TS)	**26**					**1**	**sand silt gravel in shallow places**	**Colorado**
1 (TS)	**3**		**4**		**4**	**1**	**sand silt gravel in shallow places**	**Colorado**
1 (TS)	13		100	many		1	silt gravel	Colorado
1 (TS)	0		10	few		1	silt gravel	Colorado

1 (TS)	3	many	many	1 silt gravel	Colorado
1 (TS)	0	few	few	1 silt gravel	Colorado
1 (TS)	0	0	1	1 silt gravel	Colorado
1 (TS)	**16**			**1 silt gravel**	**Colorado**
1 (TS)	**2**	**4**	**5**	**1 silt gravel**	**Colorado**
1 (TS)	4	0	0	1 gravel, sand	Colorado

1 (TS)	1	0	0	1 gravel, sand	Colorado
1 (TS)	1	0	0	1 gravel, sand	Colorado
1 (TS)	1	0	0	1 gravel, sand	Colorado
1 (TS)	**7**	**0**	**0**	**1 gravel, sand**	**Colorado**
1 (TS)	**4**	**0**	**0**	**1 gravel, sand**	**Colorado**
1 (TS)	0	0	0	1 bedrock	Colorado

1 (TS)	**0**	**0**	**0**	**1**	**bedrock**	**Colorado**
1 (TS)	**0**	**0**	**0**	**1**	**bedrock**	**Colorado**
1 (TS)	0	1	0	1	shallow narrow part, macrophytes, sand, gravel	Colorado
1 (TS)	0	1	0	1	shallow narrow part, macrophytes, sand, gravel	Colorado
1 (TS)	0	1	0	1	shallow narrow part, macrophytes, sand, gravel	Colorado
1 (TS)	**0**	**3**	**0**	**1**	**shallow narrow part, macrophytes, sand, gravel**	**Colorado**

1 (TS)	**0**	**3**	**0**	**1**	**shallow narrow part, macrophytes, sand, gravel**	**Colorado**
1 (TS)	0	1	0	1	gravel, sand	Colorado
1 (TS)	**0**	**1**	**0**	**1**	**gravel, sand**	**Colorado**
1 (TS)	**0**	**1**	**0**	**1**	**gravel, sand**	**Colorado**
1 (TS)	2	1	0	1	gravel, sand	Guadalupe
1 (TS)	1	0	0	1	gravel, sand	Guadalupe

1 (TS)	2	0	0	1 gravel, sand	Guadalupe
1 (TS)	1	0	0	1 gravel, sand	Guadalupe
1 (TS)	2	1	0	1 gravel, sand	Guadalupe
1 (TS)	0	0	1	1 gravel, sand	Guadalupe
1 (TS)	**8**	**2**	**1**	**1 gravel, sand**	**Guadalupe**
1 (TS)	**5**	**2**	**1**	**1 gravel, sand**	**Guadalupe**

1 (QTTR)	229	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	12	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	10	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	7	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	23	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	3	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe

1 (QTTR)	3	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	31	not recorded	not recorded	2	sand, silty sand, gravel, large stones	Guadalupe
1 (QTTR)	**318**	**not recorded**	**not recorded**	**2**	**sand, silty sand, gravel, large stones**	**Guadalupe**
1 (QTTR)	**8**	**not recorded**	**not recorded**	**2**	**sand, silty sand, gravel, large stones**	**Guadalupe**
2 (ATS, QT, Random search)	9	not recorded	not recorded	2	sand	San Antonio
2 (ATS, QT, Random search)	10	not recorded	not recorded	2	sand	San Antonio

2 (ATS, QT, Random search)	6	not recorded	not recorded	2 sand	San Antonio
2 (ATS, QT, Random search)	189	not recorded	not recorded	2 sand	San Antonio
2 (ATS, QT, Random search)	14	not recorded	not recorded	2 sand	San Antonio
2 (ATS, QT, Random search)	2	not recorded	not recorded	2 sand	San Antonio
2 (ATS, QT, Random search)	1	not recorded	not recorded	2 sand	San Antonio
2 (ATS, QT, Random search)	**231**	**not recorded**	**not recorded**	**2 sand**	**San Antonio**

2 (ATS, QT, Random search)	**5**	**not recorded**	**not recorded**	**2**	**sand**	**San Antonio**
1 (TS)	168	0	0	2	silt, sand. All Quadrula aurea were in the silt mostly at the shores	San Antonio
1 (TS)	13	0	0	2	silt, sand. All Quadrula aurea were in the silt mostly at the shores	San Antonio
1 (TS)	**181**	**0**	**0**	**2**	**silt, sand. All Quadrula aurea were in the silt mostly at the shores**	**San Antonio**
1 (TS)	**2**	**0**	**0**	**2**	**silt, sand. All Quadrula aurea were in the silt mostly at the shores**	**San Antonio**
1 (TS)	0	5	0	1	gravel, sand, mud	Colorado

1 (TS)	0	10	1	1	gravel, sand, mud	Colorado
1 (TS)	0	1	2	1	gravel, sand, mud	Colorado
1 (TS)	0	1	3	1	gravel, sand, mud	Colorado
1 (TS)	**0**	**17**	**6**	**1**	**gravel, sand, mud**	**Colorado**
1 (TS)	**0**	**4**	**3**	**1**	**gravel, sand, mud**	**Colorado**
1 (TS)	0	10	many	1	gravel, sand, mud	Colorado

1 (TS)	0	20	many		1	gravel, sand, mud	Colorado
1 (TS)	3	10	many		1	gravel, sand, mud	Colorado
1 (TS)	**3**	**40**			**1**	**gravel, sand, mud**	**Colorado**
1 (TS)	**1**	**3**		**3**	**1**	**gravel, sand, mud**	**Colorado**
1 (TS)	0	5	few		1	mud	Colorado
1 (TS)	0	5	few		1	mud	Colorado

1 (TS)	0	10	few	1	mud	Colorado
1 (TS)	0	3	few	1	mud	Colorado
1 (TS)	**0**			**1**	**mud**	**Colorado**
1 (TS)	**0**	**4**	**4**	**1**	**mud**	**Colorado**
1 (TS)	**0**	**0**	**0**	**2**	**bedrock on shallow areas, mud in the deep overgrown by macrophytes pools**	**Colorado**
1 (TS)	**0**	**0**	**0**	**2**	**bedrock, stones, mud, overgrown by macrophytes**	**Colorado**

Random Search (Time search but for species only)	**0**	**0**	**0**	**2 mud**	**Colorado**
Random Search (Time search but for species only)	**0**	**0**	**0**	**1 mud**	**Colorado**
Random Search (Time search but for species only)	0	0	1	1 mud	Colorado
Random Search (Time search but for species only)	**0**	**0**	**1**	**1 mud**	**Colorado**
Random Search (Time search but for species only)	**0**	**0**	**1**	**1 mud**	**Colorado**
Random Search (Time search but for species only)	**0**	**0**	**0**	**0**	**Colorado**

2 (TS, ATS)	1	0	0	2 gravel, sand
2 (TS, ATS)	12	0	0	2 gravel, sand
2 (TS, ATS)	14	0	0	2 gravel, sand
2 (TS, ATS)	4	0	0	2 gravel, sand
2 (TS, ATS)	2	0	0	2 gravel, sand
2 (TS, ATS)	**33**	**0**	**0**	**2 gravel, sand**

2 (TS, ATS)	**5**	**0**	**0**	**2 gravel, sand**
1 (TS)	**0**	**0**	**0**	**2 gravel, sand**
1 (TS)	**0**	**0**	**0**	**gravel, sad, silt, 2 rocks**
2 (TS, ATS)	90	0	0	2 silt some sand
2 (TS, ATS)	5	0	0	2 silt some sand
2 (TS, ATS)	3	0	0	2 silt some sand

2 (TS, ATS)	13	0	0	2 silt some sand	
2 (TS, ATS)	70	0	0	2 silt some sand	
2 (TS, ATS)	1	0	0	2 silt some sand	
2 (TS, ATS)	**182**	**0**	**0**	**2 silt some sand**	
2 (TS, ATS)	**6**	**0**	**0**	**2 silt some sand**	
1 (TS)	2	3	2	2 gravel, some sand	Rio Grande

1 (TS)	5	7	0	2 gravel, some sand	Rio Grande
1 (TS)	1	0	0	2 gravel, some sand	Rio Grande
1 (TS)	2	0	0	2 gravel, some sand	Rio Grande
1 (TS)	7	1	4	2 gravel, some sand	Rio Grande
1 (TS)	0	0	1	2 gravel, some sand	Rio Grande
1 (TS)	**17**	**11**	**7**	**2 gravel, some sand**	**Rio Grande**

1 (TS)	**5**	**3**	**3**	**2**	**gravel, some sand**	**Rio Grande**
1 (TS)	1	0	2	2	in silty clay (very soft app 20 cm deep) along the river bank on 1.2 m depth	Rio Grande
1 (TS)	8	1	0	2	in silty clay (very soft app 20 cm deep) along the river bank on 1.2 m depth	Rio Grande
1 (TS)	15	9	2	2	in silty clay (very soft app 20 cm deep) along the river bank on 1.2 m depth	Rio Grande
1 (TS)	**24**	**10**	**4**	**2**	**in silty clay (very soft app 20 cm deep) along the river bank on 1.2 m depth**	**Rio Grande**
1 (TS)	**3**	**2**	**2**	**2**	**in silty clay (very soft app 20 cm deep) along the river bank on 1.2 m depth**	**Rio Grande**

1 (TS)	**0**	**0**	**0**	**2**	**gravel, bedrock, sand**	**Rio Grande**
1 (TS)	**0**	**0**	**0**	**2**	**cobble**	**Rio Grande**
1 (TS)	**0**	**0**	**0**	**2**	**rocks, concrete, stones, gravel**	**Rio Grande**
1 (TS)	**0**	**0**	**0**	**2**	**gravel**	**Rio Grande**
1 (TS)	0	0	2	2	gravel, sand, clay, silt	Rio Grande
1 (TS)	0	1	1	2	gravel, sand, clay, silt	Rio Grande

1 (TS)	**0**	**1**	**3**	**2**	**gravel, sand, clay, silt**	**Rio Grande**
1 (TS)	**0**	**1**	**2**	**2**	**gravel, sand, clay, silt**	**Rio Grande**
1 (TS)	**0**	**0**	**0**	**3**	**bedrock**	**Rio Grande**
Random Search	**0**	**0**	**0**	**2**	**gravel, mud**	**Rio Grande**
Random Search	**0**	**0**	**0**	**2**	**sand, gravel**	**Rio Grande**
Random Search	0	0	3	2	gravel, cobble, some silt	Rio Grande

Random Search	**0**	**0**	**3**	**2**	**gravel, cobble, some silt**	**Rio Grande**
Random Search	**0**	**0**	**1**	**2**	**gravel, cobble, some silt**	**Rio Grande**
Random Search	0	0	1	2	gravel, mud at the shore	Rio Grande
	0	0	2			
Random Search	**0**	**0**	**3**	**2**	**gravel, mud at the shore**	**Rio Grande**
Random Search	**0**	**0**	**2**	**2**	**gravel, mud at the shore**	**Rio Grande**

Random Search	0	0	4	2 mud	Rio Grande
Random Search	**0**	**0**	**4**	**2 mud**	**Rio Grande**
Random Search	**0**	**0**	**1**	**2 mud**	**Rio Grande**
1 (QT)	16	5	0	2 gravel, cobble	Rio Grande
1 (QT)	6	1	1	2 gravel, cobble	Rio Grande
1 (QT)	8	2	2	2 gravel, cobble	Rio Grande

1 (QT)	0	1	0	2 gravel, cobble	Rio Grande
1 (QT)	**30**	**9**	**3**	**2 gravel, cobble**	**Rio Grande**
1 (QT)	**3**	**4**	**2**	**2 gravel, cobble**	**Rio Grande**
1 (QT, Random search)	0	0	2	2 gravel, cobble, sand	Rio Grande
1 (QT, Random search)	0	2	0	2 gravel, cobble, sand	Rio Grande
1 (QT, Random search)	**0**	**2**	**2**	**2 gravel, cobble, sand**	**Rio Grande**

1 (QT, Random search)	**0**	**1**	**1**	**2 gravel, cobble, sand**	**Rio Grande**
2 (TS, QT, ATS)	12	0	0	1 sand, gravel	Colorado
2 (TS, QT, ATS)	141	49	84	1 sand, gravel	Colorado
2 (TS, QT, ATS)	117	10	22	1 sand, gravel	Colorado
2 (TS, QT, ATS)	15	14	10	1 sand, gravel	Colorado
2 (TS, QT, ATS)	0	0	4	1 sand, gravel	Colorado

2 (TS, QT, ATS)	4	1	6	1 sand, gravel	Colorado
2 (TS, QT, ATS)	0	13	35	1 sand, gravel	Colorado
2 (TS, QT, ATS)	**289**	**87**	**161**	**1 sand, gravel**	**Colorado**
2 (TS, QT, ATS)	**5**	**5**	**6**	**1 sand, gravel**	**Colorado**
1 (ATS)	4	0	0	2 gravel mud	Colorado
1 (ATS)	**4**	**0**	**0**	**2 gravel mud**	**Colorado**

1 (ATS)	**1**	**0**	**0**	**2**	**gravel mud**	**Colorado**
1 (TS)	**0**	**0**	**0**	**2**	**thick silt stones**	**Colorado**
1 (ATS)	2	0	0	2	mainly thick silt, sometimes sand and gravel	Colorado
1 (ATS)	2	0	0	2	mainly thick silt, sometimes sand and gravel	Colorado
1 (ATS)	**6**	**0**	**0**	**2**	**mainly thick silt, sometimes sand and gravel**	**Colorado**
1 (ATS)	**2**	**0**	**0**	**2**	**mainly thick silt, sometimes sand and gravel**	**Colorado**

Random search	present	present	0	1 sand, gravel	Neches
Random search	0	1	0	1 sand, gravel	Neches
Random search	1	12	0	1 sand, gravel	Neches
Random search	0	2	0	1 sand, gravel	Neches
Random search	present	present	0	1 sand, gravel	Neches
Random search	present	present	0	1 sand, gravel	Neches

Random search	present	present	0	1 sand, gravel	Neches
Random search	0	5	0	1 sand, gravel	Neches
Random search	present	present	0	1 sand, gravel	Neches
Random search	1	1	0	1 sand, gravel	Neches
Random search	1	0	0	1 sand, gravel	Neches
Random search	0	4	0	1 sand, gravel	Neches

Random search	1	1	0	1 sand, gravel	Neches
Random search	0	4	0	1 sand, gravel	Neches
Random search	0	5	0	1 sand, gravel	Neches
Random search	2	0	0	1 sand, gravel	Neches
Random search	**0**	**0**	**0**	**1 sand, gravel**	**Neches**
Random search	**10**	**15**	**0**	**2 sand, gravel**	**San Jacinto**

2 (TS, QT)	1	0	0	2 sand, gravel	San Jacinto
2 (TS, QT)	10	4	0	2 sand, gravel	San Jacinto
2 (TS, QT)	1	1	0	2 sand, gravel	San Jacinto
2 (TS, QT)	97	3	0	2 sand, gravel	San Jacinto
2 (TS, QT)	**109**	**8**	**0**	**2 sand, gravel**	**San Jacinto**
2 (TS, QT)	**5**	**3**	**0**	**2 sand, gravel**	**San Jacinto**

Random search	45	2		2 sand, gravel, silt	Trinity
Random search	1	0		2 sand, gravel, silt	Trinity
Random search	1	1		2 sand, gravel, silt	Trinity
Random search	5	0		2 sand, gravel, silt	Trinity
Random search	3	1		2 sand, gravel, silt	Trinity
Random search	1	0		2 sand, gravel, silt	Trinity

Random search	3	1		2	sand, gravel, silt	Trinity
Random search	**59**	**5**		2	sand, gravel, silt	Trinity
Random search	**7**	**4**		2	sand, gravel, silt	Trinity
1 (TS)	1	0	0	2	detritus, silt, some sand	Neches River
1 (TS)	4	0	0	2	detritus, silt, some sand	Neches River
1 (TS)	1	0	0	2	detritus, silt, some sand	Neches River

1 (TS)	1	0	0	2	detritus, silt, some sand	Neches River
1 (TS)	**7**	**0**	**0**	**2**	**detritus, silt, some sand**	**Neches River**
1 (TS)	**4**	**0**	**0**	**2**	**detritus, silt, some sand**	**Neches River**

Shell conditions

RRD

2 times longer than July search, From spillway to area where the creek becomes straight and full

2 times longer than July search, From spillway to area where the creek becomes straight and full

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Date	Waterbody	Location	County	Mean Temperature	STDS T	Mean SpC	STDS SpC	Mean DO	STDS DO
8/19/2006	Angelina River	US 59	Nacogdoches, Angelina	*not recorded*					
9/7/2006	Angelina River	SR 7	Nacogdoches, Angelina	27.18	4.35117E-15	0.215	0	7.132	0.0432435
6/5/2007	Attoyac Bayou	FM 138	Nacogdoches, Shelby	21.66	0.01	0.148	0	8.45666667	7.66333333
8/8/2007	Houston County Lake	Public Boat Ramp		*not recorded*					
9/7/2006	Neches River	SR 7 crossing at boat ramp		*not recorded*					
04/20-21/2007	B.A. Steinhagen Reservoir	19 Transects total across the lake		*not recorded*					
4/15/2006	Caddo Lake	Starr Ditch Canal		*not recorded*					
2/18/2007	Caddo Lake	Starr Ditch Canal		*not recorded*					

8/18/2006	Sabine River	US 59 crossing, 2 sites (app. 300 m east (upstream) from the bridge, south side (1); and under the bridge (2))	*not recorded*						
6/5/2007	Striker Creek Reservoir	CR 4256	Cherokee/Rusk	26.687	0.006	0.292	0.000	8.590	0.443
5/14/2007	Sulphur River	Shumake property	Red River	26.4	0.0	0.436	0.0	8.5	0.0
5/15/2007	Lake Cooper	Cr-4795	Hopkins	25.3	0.0	0.213	0.0	8.1	0.0
5/15/2007	Lake Cooper	Doctors Park	Hopkins	*25.3*	*0.0*	*0.213*	*0.0*	*8.1*	*0.0*
5/15/2007	Sulphur River	NW 39 (CR 1412 after the bridge)	Delta/Hopkins	*26.4*	*0.0*	*0.436*	*0.0*	*8.5*	*0.0*
12/9/2006	Toledo Bend Reservoir	3 sites (Six Mile Creek SH 87 (1); Harborlig ht Marina, Sunshine Bay (2); SH 21 crossing (3))		7.86	0.01	0.098	0.00	13.87	0.58

6/3/2007	Village Creek	Hwy 418		25.375	0.007071068	0.059	0	7.53666667	0.14571662
6/27/2007	Village Creek	Nature Consevancy		25.375	0.007071068	0.059	0	7.53666667	0.14571662
12/27/2006	Wright Patman Reservoir	4 sites (near spillway (1); Knights Bluff camp area (2); White Oak ridge boat ramp (3); NE corner of bridge crossing, boat ramp (4))	Cass	*not recorded*					
9/2/2005	Attoyac Bayou	CR 392	Rusk	25.443	0.006	0.097	0.001	6.993	0.006
10/24,28/2005	B.A. Steinhagen Reservoir	7 sites total	Jasper/Newton	18.64666667	0.005773503	0.132333333	0.00057735	9.32666667	0.01527525

6/4/2006	Big Cypress Bayou	3 sites total (3/4 mile from dam, man made large rock bank (1); 1/2 mile from dam, bend in river (2); 500 meters behind dam, bayou gets narrow (3))	Titus	29.5	0.02	0.183	0	8.47	0.03
11/5/2005	Lake Cypress Springs	2 sites total	Titus	*20.75333333*	*0.005773503*	*0.172*	*0*	*12.19*	*0.01*
11/4/2005	Bob Sandlin Reservoir	6 sites total	Titus, Camp, Franklin	20.75333333	0.005773503	0.172	0	12.19	0.01
8/15/2005	Buffalo Bayou, Bear Creek	Below Dam	Harris	29.067	0.006	0.636	0.000	7.096	0.036
11/23/2005	Cedar Creek Lake	6 sites total	Henderson	17.54	0.01	0.24	0.00	13.02	0.11
7/16/2005	Concho River	Concho River at Paint Rocks	Tom Green	29.07	0.12	2.58	0.01	7.96	0.02

7/16/2005	Concho River	Painted Rock City Park, downstream from dam		*29.07*	*0.12*	*2.58*	*0.01*	*7.96*	*0.02*
7/12/2005	Eagle Mountain Lake	4 sites total	Tarrant	31.9	0.0	0.4	0.0	8.7	0.0
7/22/2005	Elm Creek	3 sites; downstream from the dam on Elm Creek Lake (1); upstream (2) and downstream (3) from Road 261 crossing	Runnels	29.39	0.01	2.33	0.01	4.84	0.02
7/22/2005	Elm Creek Park Lake	close to dam (dam area & southeast part)	Runnels	29.39	0.01	2.33	0.01	4.84	0.02
7/15/2005	Guadalupe River	Kerrville, Hoys park to bridge on Lemos St. (checked north side of island)	Kerr	28.55	0.01	0.39		7.24	0.01

4/29/2006	Guadalupe River	7 sites (1, 1a, 1b, 2, 2a, 3, 3a) below Lake Wood dam	*25.37*	*0.01*	*0.49*	*0.00*	*6.76*	*0.09*
4/28/2006	Guadalupe River	500 m below Gonzales Lake Dam on left of boat ramp in the Lake Wood State Park	25.37	0.01	0.49	0.00	6.76	0.09
4/29/2006	Lake Wood		26.10	0.01	0.49	0.00	7.57	0.01
7/21/2005	Inks Lake	Inks Lake state park; Bay just S from Public boat ramp Burnet	27.9	0.6	0.4	0.0	8.3	0.0

7/14/2005	Lake Arrowhead	3 sites total (City Park, north shore boat ramp (1); East shore, end of Pawnee trail (2); R 172 bridge (Deer creek) (3))	Clay	31.04	0.01	0.593	0.001	8.337	0.006
7/25/2005	Lake Brownwood	5 cites total	Brownwood	28.52	0.01	0.56		7.32	0.08
7/21/2005	Lake Buchanan	3 sites total (Llano Co Park, public ramp (1); Cove on SW corner (2); Garrett Island (3))	Burnet	29.31	0.01	0.45	0.00	7.76	0.03
12/18/2005	Lake Corpus Cristi	4 sites total	Live Oak	*not recorded*					

7/23/2005	Lake Corpus Cristi	3 sites total (End of Rd 888 peninsula (1); North of Site 1, mid-W.Lakefield Dr (2); KAO Kamp, CR 371 - Camp Circle Rd, First boat ramp (3))	Live Oak	35.64	0.01	0.87	0.00	10.43	0.03
4/28/2006	Lake Gonzales	South side of islands		*not recorded*					
5/6/2006	Lake Corpus Cristi	4 sites total	Live Oak, San Patricio	*not recorded*					
10/7/2005	Lake Houston	East side of largest island	Harris	26.2	0.0	0.3	0.0	6.8	0.0
7/11/2005	Lake Lewisville	6 sites total	Denton	29.000	0.000	*not recorded*			
11/26/2005	Lake Lewisville	5 sites total (low water)	Denton	*not recorded*					
10/6/2005	Lake Livingston	5 sites total (reservoir was drained after the Hurricane Rita)	Polk, San Jacinto	25.405	0.006	0.409		8.207	0.006

7/20/2005	L Nathworthy	2 sites total (Red Bluff boat ramp (1); close to Hillside Dr 2185 (2))	Tom Green		29.250	0.000	1.349	0.001	6.797	0.021
7/20/2005	Concho River	Concho Park	Tom Green	*not recorded*						
7/13/2005	Lake Wichita	3 sites total (East side, Clipper Ln, city boat ramp (1); South shore city park, end of Fairway Blvd (2); dam, end of city access road, right of dam spill (3))	Wichita		29.687	0.023	1.680		7.513	0.084
7/15/2005	Live Oak Creek	Lady Bird Johnson Park, close to Kerrville	Gillespie	*not recorded*						

10/28/2005	Neches River	500m Below Town Bluff Dam	Jasper/Tyler	19.170	0.020	0.131		8.740	0.010
7/9/2005	Pine Creek	HW 906 crossing, first bridge, 2 sites: downstream and upstream	Lamar	30.6	0.0	0.6	0.0	6.6	0.1
9/18/2005	Sabine River	HW 43 crossing, Mussel bed (northeast side of bridge), former site # 2	Panola	28.755	0.035	0.691		7.333	0.015
7/27/2005	San Marcos River	Palmetto State Park (Low water crossing)	Gonzales	29.653	0.006	0.501	0.001	7.645	0.024
7/20/2005	San Saba River	West of Menard; Beven S. River Road	Menard	29.703	0.006	0.505	0.001	5.927	0.006
7/9/2005	Sanders Creek	Below Pat Mayes Lake	Lamar	*not recorded*					

10/23/2005	Sanders Creek	Immediately below Pat Mayes Lake, from spillway to the area where the creek becomes straight and full	Lamar	*not recorded*					
8/16/2005	Sabine River	HW 59 crossing		*not recorded*					
8/16/2005	Sabine River	HW 43 crossing above and below the bridge on CR 2913	Panola	*not recorded*					
9/2/2005	Sandy Creek		San Augustine	23.707	0.006	0.164	0.000	4.470	0.022
11/25/2005	Sommerville Lake	Six sites across the reservoir at drawdown	Washington, Lee, Burleson	17.847	0.006	0.483	0.000	10.710	0.010
7/20/2005	Spring Creek	Foster Park (tributaries of Twins Reservoir), above and below dam	Tom Green	29.080	0.010	0.899	0.000	5.673	0.060

9/3/2005	Village Creek	FM 418 crossing, 50 m from the road, north shore	Hardin	27.327	0.006	0.078	0.000	7.113	0.170
9/5/2005	Village Creek	HW 96	Hardin	31.093	0.006	0.078	0.000	7.423	0.006
2-Sep-06	Cibolo Creek	CR 231 crossing	Karnes	29.43		1.239		9.18	
1-Sep-06	Cibolo Creek	FM 537 crossing	Wilson	30.04		0.986		6.61	
23-Sep-06	Brazos River	U.S. 79 crossing	Milam, Robertson	27.47		2.526		9.11	
14-Jun-07	Brazos River	CR 1118 (Brazos Point Rd.)	Bosque, Johnson	26.86		2.39		9.14	
22-Sep-06	Brazos River	FM 485 crossing	Milam, Robertson	28.4		2.41		7.57	
15-Jun-07	Brazos River	FM 4 crossing	Palo Pinto	19.45		4.06		8.28	
8-Oct-06	Brazos River	SH 105 crossing	Grimes, Brazos	27.52		0.608		8.72	
7-Oct-06	Brazos River	SH 159 crossing	Austin, Waller	27.56		1.81		9.67	
24-Sep-06	Brazos River	SH 21 crossing	Burleson, Brazos	27.87		0.708		8.24	
6-Oct-06	Brazos River	U.S. Hwy 59 crossing	Fort Bend	29.16		1.463		10.31	
23-Sep-06	Brazos River	SH 7 crossing	Falls	27.47		2.526		9.11	
6-Oct-06	Brazos River	IH-10 crossing	Austin, Waller	30.3		1.183		8.08	

24-Jun-07	Brazos River	south of Lake Granbury	Somervell	26.86	2.39	9.14
23-Jun-07	Brazos River	south of IH 20	Parker	27.88	3.83	9.18
27-Apr-07	Brazos River	S. Whitney Dam (below Lake Whitney Reservoir)	Somervell	23.8	2.6	13.39
15-Jun-07	Brazos River	SH 67 crossing	Young	29.6	3.83	9.18
14-Jun-07	Brazos River	US Hwy 67 crossing	Somervell	26.86	2.39	9.14
14-Oct-06	Navasota River	CR 101 (Democrat Rd) crossing	Brazos, Grimes	not recorded		
7-Oct-06	Navasota River	SH 105 crossing	Washington, Brazos	27.52	0.608	8.72
4-Nov-06	Deer Creek	CR 320 crossing	Falls	16.52	1.24	10.84
4-Nov-06	Duck Creek	FM 979 crossing	Robertson	12.28	0.444	5
23-Sep-06	Little Brazos River	SH 21 crossing	Brazos	27.87	0.708	8.24
23-Sep-06	Little Brazos River	U.S. Hwy 79 crossing	Robertson	26.82	0.745	5.45
22-Sep-06	Little River	CR 264 crossing	Milam	28.03	0.594	6.8
4-Nov-06	Spring Creek	SH 6/US 190 crossing	Robertson	14.21	0.233	9.4

24-Sep-06	Yegua Creek	FM 50 crossing	Washington	26.58		0.541		5.74	
16-Sep-06	Sabine River	SH 12 crossing	Newton	29.66		0.212		6.66	
15-Sep-06	Sabine River	SH 63 crossing	Newton	26.06		0.164		7.21	
1-Sep-06	San Antonio River	CR 117 crossing	Wilson	30.88		1.017		7.16	
8-Jun-07	San Antonio River	FM 2506 crossing	Goliad	28.5		0.766		7.79	
7-Jun-07	San Antonio River	FM 791 crossing	Karnes	28.91		0.818		8.13	
8-Jun-07	San Antonio River	Goliad State Park	Goliad	28.5		0.766		7.74	
1-Sep-06	San Antonio River	SH 97 crossing	Wilson	30.9		not recorded		8.17	
7/27/2008	Concho River	Paint Rock at Indian Pictorams, Mr.Campbell property	Concho	28.0133	0.0231	2.672333333	0.00057735	4.26333333	0.02081666
7/30/2008	Elm Creek	CR 356 in Ballinger (Low water crossing)	Runnels	29.17333333	0.005773503	2.906	0	7.08	0
8/2/2008	San Saba River	East of Menard, property of Mr. John Knippen	Menard	30.02667	0.00577	0.440666667	0.00057735	7.34333333	0.03511885

8/12/2008	Guadalupe River	below Lake Wood, Lake Wood Park, quadrats along 18 transects in 9 locations (spread on total 1 km distance) downstream from the dam	Gonzales	not recorded	not recorded	not recorded	not recorded	not recorded	not recorded
8/8/2008	San Antonio River	Goliad, Goliad State Park, total 8 transects including 6 transects at eaqual distance along 1 km in the park, 1 on on Commercial St and at Tr 9	Goliad	32.55000	0.00000	1.223666667	0.00057735	8.69	0
8/3/2008	Colorado River	at FM 2111 (off FM 2133)	Runnels	33.01	0.02	3.433	0	8.69333333	0.0057735

8/1/2008	Spring Creek	at Mertzon City Park, Park Avenue crossing	Irion	29.00666667	0.092376043	0.721666667	0.0011547	7.01333333	0.0057735
8/1/2008	Spring Creek	at Mertzon City Park, Park Avenue crossing	Irion	28.32	0.181934054	0.726666667	0.00057735	5.64333333	0.0057735
8/1/2008	Middle Concho River	RM 853	Irion	dry					
8/1/2008	North Concho River	at South Burma Road	Tom Green	29.43	0.01	2.533	0	8.51	0.01
8/5/2008	San Marcos River	Palmetto State Park, low water crossing	Gonzales	30.77	0	0.498	0	6.78666667	0.0321455
2008	Rio Grande River			not recorded (no equipment)					

Mean pH	STDS pH	Mean TDS	STDS TDS	Mean DO %	STDS DO%	Mean Turbidity	STDS Turbidity
8.206	0.0250998	0.1		90.275	0.963932916	66.88	6.060280522
0.01527525	0.1	1.6997E-17	92	0.3	73.6	0.360555128	

7.243	0.015	0.200	0.000	102.633	0.153		
8.1	0.0	0.3	0.0	105.1	0.1		
8.3	0.0	0.1	0.0	98.2	0.1	42.2	0.1
8.3	*0.0*	*0.1*	*0.0*	*98.2*	*0.1*	*42.2*	*0.1*
8.1	*0.0*	*0.3*	*0.0*	*105.1*	*0.1*		
7.05	0.03	0.10	0.00	100.93	0.49		

6.85	0.01	0	0	88.3	0.5	50.83333333	0.585946528
6.85	0.01	0	0	88.3	0.5	50.83333333	0.585946528

6.437	0.006	0.100	0.000	95.100	0.100	34.033	0.058
6.81333333	0.01154701	0.1		99.5	0.1	17.7	0.2

8.35	0.01	0.1	0.000	110.6	0.1	22.43333333	1.167618659
9.7	*0*	*0.1*	0.000	*135.8*	*0.264575131*	*34.03333333*	*0.850490055*
9.7	0	0.1	0.000	135.8	0.264575131	34.03333333	0.850490055
7.440	0.000	0.400	0.000	92.600	0.200	39.167	1.193
8.46	0.01	0.20	0.00	137.93	0.21	69.33	21.40
8.45	0.01	1.70	0.00	106.20	0.10	48.30	0.10

8.45	*0.01*	*1.70*	*0.00*	*106.20*	*0.10*	*48.30*	*0.10*
8.7	0.0	0.2	0.0	119.9	0.1	87.5	3.0
8.58	0.00	1.50	0.00	64.43	0.81	44.53	2.91
8.58	0.00	1.50	0.00	64.43	0.81	44.53	2.91
8.45	0.01	0.30	0.00	93.20	0.36	7.83	0.06

8.21	*0.01*	*0.30*	*0.00*	*81.20*	*0.15*	*43.25*	*0.06*
8.21	0.01	0.30	0.00	81.20	0.15	43.25	0.06
8.28	0.00	0.30	0.00	94.55	0.28	132.00	2.71
8.8	0.0	0.3	0.0	100.1	0.4	3.7	0.0

not recorded	not recorded	0.400	0.000	113.200	0.100	21.733	0.839
8.75	0.01	0.40	0.00	94.03	0.15	31.03	0.06
8.90	0.01	0.30	0.00	101.07	0.12	8.47	0.32

8.93	0.00	0.60	0.00	149.33	0.58	22.00	0.10
8.7	0.0	0.2	0.0	84.4	0.2	62.8	0.3
8.837	0.006	0.300	0.000	100.433	0.153	81.450	12.017

8.740	0.000	0.900	0.000	88.767	0.208	38.243	0.075
8.870	0.000	1.100	0.000	99.025	2.053	180.333	0.577

6.870	0.010	0.100	0.000	92.767	0.153	32.000	0.000
8.1	0.0	0.4	0.0	87.7	1.3	108.3	34.1
7.407	0.006	0.400	0.000	94.767	0.115	41.067	0.153
8.473	0.006	0.300	0.000	99.650	0.451	26.675	0.050
8.177	0.006	0.300	0.000	78.267	0.115	2.233	0.058

6.687	0.006	0.100	0.000	52.033	0.058	19.975	0.126
8.313	0.006	0.300	0.000	111.833	0.058	29.000	0.200
8.430	0.000	0.600	0.000	74.267	0.252	20.200	0.100

6.382	0.119	0.100	0.000	94.267	4.967	18.883	0.828
6.490	0.010	0.100	0.000	98.800	0.100	19.633	0.058
9.03		0.800		121.53		9.76	
8.62		0.6		87.4		16.8	
8.09		1.6		116.43		43.46	
8.49		1.5		114.6		20.3	
8.04		1.5		97.9		56.5	
8.34		2.6		83.7		24.5	
7.7		0.4		110.4		73.96	
8.46		1.2		122.1		110	
7.86		0.5		106.03		58.07	
8.14		0.9		135.9		59.9	
8.09		1.6		116.43		43.46	
7.48		0.8		107.6		80.8	

8.49	1.5	114.6	20.3
8.56	2.5	103.2	40.9
8.91	1.7	159.3	12.1
8.62	4.1	103.2	40.9
8.49	1.5	114.6	20.3
7.7	**0.4**	110.4	73.96
8.43	0.8	110.3	96.6
7.06	0.3	50.5	38.7
7.86	0.5	106.03	58.07
7.41	0.5	69.1	25.8
7.66	0.4	89.6	96.05
6.92	0.2	92.6	27.96

7.34	0.4	71.96	120.7
7.69	0.1	88.3	33.5
7.51	0.1	89.8	6.16
8.6	0.7	95.4	32.1
8.33	0.5	88.76	not recorded
8.38	0.5	110.83	not recorded
8.33	0.5	88.76	not recorded
8.63	0.7	111.15	37.97

7.87	0	1.737	0	54.8333333	0.550757055	
8.09666667	0.0057735	1.889	0	93.1	0	not recorded
8.06333333	0.0057735	0.286	0	96.8	0.1	not recorded

not recorded	not recorded	not recorded	not recorded	not recorded	not recorded	not recorded
8.28	0	0.795	0	120.5	0	not recorded
7.8	0	2.231	0	122.266667	0.057735027	not recorded

7.62	0.01	0.46933333	0.00057735	91.7333333	0.2081666	not recorded
7.58	1.0878E-15	0.472	0	73	0.1	not recorded
7.83666667	0.0057735	1.66	0	112.733333	0.321455025	not recorded
8.04	0	0.324	0	91.1	0.435889894	not recorded