

Comprehensive and Critical Period Monitoring Program to Evaluate the Effects of Variable Flow on Biological Resources in the San Marcos Springs/River Aquatic Ecosystem

FINAL 2001 ANNUAL REPORT

APPENDIX C: DROP NET RAW DATA

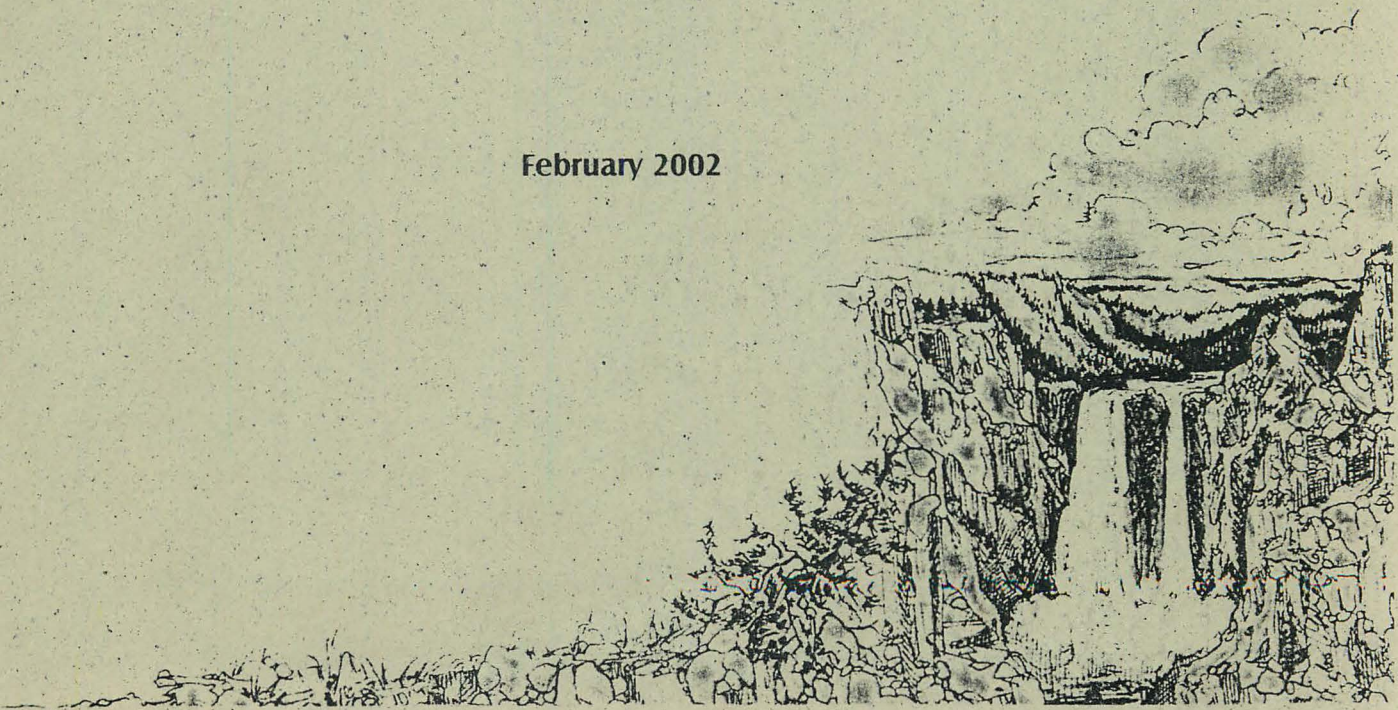
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February 2002



Winter Quarterly Sampling Event

City Park

I-35

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY TRIP

Location (Reach): City Park		Site: PH1 Site 1	
Date: 3/5/2001	Time: 0845-0941	Observer(s): EO, MR, JT, DT	
Overall	Species	Number	Avg. Length (mm)
2	<i>Etheostoma fonticola</i>		
32	<i>Gambusia</i> sp.		
1	<i>Lepomis megalotis</i>		
1	<i>Palaemonetes</i> sp.		
2	<i>Procambarus</i> sp.		
slight	<i>Thiara</i> sp.		
slight	<i>Elimia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Elimia comalensis</i>	slight	
	<i>Gambusia</i> sp.	10	25,8,12,15,16,21,20,15,22,25
	<i>Procambarus</i> sp.	1	
2	<i>Thiara</i> sp.	slight	
	<i>Gambusia</i> sp.	9	30,31,27,18,20,10,14,30,16
3	<i>Gambusia</i> sp.	2	8,10
	<i>Procambarus</i> sp.	1	
4	<i>Thiara</i> sp.	slight	
5	<i>Etheostoma fonticola</i>	1	19
	<i>Gambusia</i> sp.	2	23,13
6	<i>Lepomis megalotis</i>	1	122
	<i>Palaemonetes</i> sp.	1	
7	<i>Elimia comalensis</i>	slight	
	<i>Gambusia</i> sp.	1	17
	<i>Thiara</i> sp.	slight	
8	<i>Etheostoma fonticola</i>	1	32
	<i>Gambusia</i> sp.	3	
	<i>Thiara</i> sp.	slight	
9	No fish or crustaceans collected		
10	<i>Thiara</i> sp.	slight	
11	<i>Gambusia</i> sp.	2	
	<i>Thiara</i> sp.	slight	
12	<i>Gambusia</i> sp.	2	
13	<i>Gambusia</i> sp.	1	
14	No fish or crustaceans collected		
15	<i>Gambusia</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: HD2 - site 2	
Date: 3/5/2001	Time: 0945-1043	Observer(s): EO, MR, JT, DT	
Overall	Species	Number	Avg. Length (mm)
6	<i>Etheostoma fonticola</i>		
256	<i>Gambusia</i> sp.		
8	<i>Palaemonetes</i> sp.		
6	<i>Procambarus</i> sp.		
1	<i>Melanoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	1	24
	<i>Palaemonetes</i> sp.	3	
	<i>Gambusia</i> sp.	11	27,19,20,21,22,17,16,21,22,25,18
2	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	11	30,25,17,11,13,12,16,26,7,15,12
3	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	6	18,26,27,30,25,17
4	<i>Gambusia</i> sp.	103	
	<i>Etheostoma fonticola</i>	1	27
	<i>Palaemonetes</i> sp.	1	
5	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	9	
6	<i>Etheostoma fonticola</i>	2	27,24
	<i>Gambusia</i> sp.	21	
	<i>Procambarus</i> sp.	1	
7	<i>Gambusia</i> sp.	30	
8	<i>Gambusia</i> sp.	11	
	<i>Etheostoma fonticola</i>	1	29
	<i>Palaemonetes</i> sp.	2	
9	<i>Gambusia</i> sp.	15	
	<i>Procambarus</i> sp.	1	
10	<i>Gambusia</i> sp.	4	
	<i>Palaemonetes</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	35
11	<i>Gambusia</i> sp.	6	
	<i>Procambarus</i> sp.	1	
12	<i>Gambusia</i> sp.	13	
	<i>Melanoides</i>	1	
13	<i>Gambusia</i> sp.	2	
	<i>Procambarus</i> sp.	1	
14	<i>Gambusia</i> sp.	9	
15	<i>Gambusia</i> sp.	5	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: HD1 - Site 3	
Date: 3/5/2001	Time: 1050-1123	Observer(s): EO,MR,JT,DT	
Overall	Species	Number	Avg. Length (mm)
1	<i>Ambloplites rupestris</i>		
5	<i>Etheostoma fonticola</i>		
134	<i>Gambusia</i> sp.		
3	<i>Palaemonetes</i> sp.		
5	<i>Procambarus</i> sp.		
slight	<i>Elimia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Elimia comalensis</i>	slight	
	<i>Gambusia</i> sp.	30	25,30,31,35,18,11,12,12,17,16,12,21,23,15 16,15,21,20,23,23,20,18,17,21,20
2	<i>Gambusia</i> sp.	16	
	<i>Procambarus</i> sp.	1	
3	<i>Gambusia</i> sp.	9	
	<i>Palaemonetes</i> sp.	2	
4	<i>Gambusia</i> sp.	13	
5	<i>Etheostoma fonticola</i>	1	18
	<i>Gambusia</i> sp.	12	
6	<i>Gambusia</i> sp.	6	
	<i>Palaemonetes</i> sp.	1	
	<i>Ambloplites rupestris</i>	1	105
7	<i>Gambusia</i> sp.	15	
8	<i>Etheostoma fonticola</i>	1	16
	<i>Gambusia</i> sp.	5	
	<i>Procambarus</i> sp.	1	
9	<i>Gambusia</i> sp.	8	
10	<i>Etheostoma fonticola</i>	1	25
	<i>Gambusia</i> sp.	7	
11	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	8	
12	<i>Gambusia</i> sp.	2	
13	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	2	
14	<i>Gambusia</i> sp.	1	
15	<i>Etheostoma fonticola</i>	2	31,30
	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: O1 Site 4	
Date: 3/5/2001	Time: 1126	Observer(s): EO, MR, JT, DT	
Overall	Species	Number	Avg. Length (mm)
slight 3 slight 1	<i>Elimia comalensis</i> <i>Gambusia</i> sp. <i>Thiara granifera</i> <i>Melanoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Thiara granifera</i>	slight	25,8,10
2	No fish or crustaceans collected		
3	<i>Thiara granifera</i>	slight	
4	<i>Gambusia</i> sp.	3	
5	<i>Thiara granifera</i>	slight	
6	<i>Melanoides</i> <i>Elimia comalensis</i> <i>Thiara granifera</i>	1 slight slight	
7	<i>Thiara granifera</i> <i>Elimia comalensis</i>	slight slight	
8	No fish or crustaceans collected		
9	<i>Thiara granifera</i>	slight	
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	<i>Thiara granifera</i>	slight	
13	<i>Thiara granifera</i>	slight	
14	<i>Thiara granifera</i>	slight	
15	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: H1 - Site 5	
Date: 3/5/2001	Time: 1155	Observer(s): JT, EO, DT, MR	
Overall	Species	Number	Avg. Length (mm)
6	<i>Gambusia</i> sp.		
slight	<i>Thiara granifera</i>		
1	<i>Lepomis cyanellus</i>		
16	<i>Palaemonetes</i> sp.		
9	<i>Procambarus</i> sp.		
6	<i>Etheostoma fonticola</i>		
2	<i>Lepomis auritus</i>		
2	<i>Melanoids</i>		
1	<i>Lepomis macrochirus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Lepomis cyanellus</i>	1	260
	<i>Palaemonetes</i> sp.	7	
	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	1	26
2	<i>Etheostoma fonticola</i>	1	32
	<i>Palaemonetes</i> sp.	3	
3	<i>Palaemonetes</i> sp.	3	
	<i>Etheostoma fonticola</i>	1	13
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	18
4	<i>Lepomis auritus</i>	1	127
	<i>Gambusia</i> sp.	1	25
	<i>Etheostoma fonticola</i>	1	18
	<i>Thiara granifera</i>	slight	
	<i>Melanoids</i>	2	
5	<i>Procambarus</i> sp.	1	
	<i>Thiara granifera</i>	slight	
6	No fish or crustaceans collected		
7	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	21
8	<i>Palaemonetes</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	33
9	<i>Etheostoma fonticola</i>	1	35
10	<i>Procambarus</i> sp.	1	
11	<i>Procambarus</i> sp.	1	
12	<i>Palaemonetes</i> sp.	1	
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	33
	<i>Etheostoma fonticola</i>	1	37
13	<i>Lepomis auritus</i>	1	142
14	<i>Gambusia</i> sp.	1	17
15	<i>Palaemonetes</i> sp.	1	
	<i>Lepomis macrochirus</i>	1	63

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: H2 - Site 6	
Date: 3/5/2001	Time: 1331	Observer(s): JT, EO, DT, MR	
Overall	Species	Number	Avg. Length (mm)
1	<i>Cichlasoma cyanoguttatum</i>		
7	<i>Etheostoma fonticola</i>		
21	<i>Gambusia</i> sp.		
3	<i>Melanoides</i>		
4	<i>Palaemonetes</i> sp.		
2	<i>Procambarus</i> sp.		
slight	<i>Thiara granifera</i>		
moderate	<i>Elimia comalensis</i>		
1	<i>Ambloplites rupestris</i>		
1	<i>Lepomis auritus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Palaemonetes</i> sp.	2	
	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	29
	<i>Gambusia</i> sp.	2	20,15
	<i>Elimia comalensis</i>	moderate	
2	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	4	21,25,18,31
	<i>Etheostoma fonticola</i>	1	22
	<i>Melanoides</i>	1	
3	<i>Cichlasoma cyanoguttatum</i>	1	165
	<i>Gambusia</i> sp.	2	27,11
	<i>Palaemonetes</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	20
4	<i>Ambloplites rupestris</i>	1	161
	<i>Gambusia</i> sp.	1	
	<i>Melanoides</i>	2	
	<i>Thiara granifera</i>	slight	
5	<i>Etheostoma fonticola</i>	3	32,27,20
	<i>Gambusia</i> sp.	2	27,22
	<i>Procambarus</i> sp.	1	
	<i>Lepomis auritus</i>	1	143
6	<i>Etheostoma fonticola</i>	1	27
	<i>Gambusia</i> sp.	10	24,24,20,19,17,15,20,22,18,22
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: O2 - Site 7	
Date: 3/5/2001	Time: 1426-1500	Observer(s): JT, EO, DT, MR	
Overall	Species	Number	Avg. Length (mm)
slight 3 1	<i>Thiara granifera</i> <i>Gambusia</i> sp. <i>Etheostoma fonticola</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	<i>Thiara granifera</i>	slight	
3	<i>Thiara granifera</i> <i>Gambusia</i> sp.	slight 1	25
4	<i>Thiara granifera</i>	slight	
5	No fish or crustaceans collected		
6	<i>Etheostoma fonticola</i>	1	28
7	<i>Thiara granifera</i> <i>Gambusia</i> sp.	slight 1	21
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	<i>Gambusia</i> sp.	1	18
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): City Park		Site: PH2 - Site 8	
Date: 3/5/2001	Time: 1505-1602	Observer(s): JT, EO, DT, MR	
Overall	Species	Number	Avg. Length (mm)
1	<i>Ambloplites rupestris</i>		
1	<i>Lepomis macrochirus</i>		
1	<i>Melanoides</i>		
1	<i>Micropterus salmoides</i>		
2	<i>Lepomis punctatus</i>		
11	<i>Etheostoma fonticola</i>		
33	<i>Gambusia</i> sp.		
50	<i>Palaemonetes</i> sp.		
7	<i>Procambarus</i> sp.		
3	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	2	27,23
	<i>Lepomis punctatus</i>	1	90
	<i>Palaemonetes</i> sp.	23	
	<i>Gambusia</i> sp.	1	25
	<i>Procambarus</i> sp.	1	
2	<i>Etheostoma fonticola</i>	1	33
	<i>Gambusia</i> sp.	1	21
	<i>Palaemonetes</i> sp.	4	
3	<i>Palaemonetes</i> sp.	6	
	<i>Gambusia</i> sp.	2	13,12
4	<i>Etheostoma fonticola</i>	1	28
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	1	21
5	<i>Palaemonetes</i> sp.	4	
	<i>Gambusia</i> sp.	4	15,20,21,15
	<i>Procambarus</i> sp.	3	
6	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	2	8,8
7	<i>Palaemonetes</i> sp.	1	
	<i>Micropterus salmoides</i>	1	220
	<i>Etheostoma fonticola</i>	1	27
	<i>Gambusia</i> sp.	3	15,10,10
8	<i>Etheostoma fonticola</i>	2	22,20
	<i>Gambusia</i> sp.	2	10,15
9	<i>Palaemonetes</i> sp.	4	
	<i>Gambusia</i> sp.	4	18,22,22,10
	<i>Melanoides</i>	1	
	<i>Thiara granifera</i>	1	
10	<i>Gambusia</i> sp.	3	14,22,16
	<i>Palaemonetes</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	32
	<i>Thiara granifera</i>	slight	
11	<i>Lepomis macrochirus</i>	1	45
	<i>Etheostoma fonticola</i>	1	22
	<i>Gambusia</i> sp.	2	32,24
	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	3	
12	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	24
	<i>Gambusia</i> sp.	1	1
13	<i>Ambloplites rupestris</i>	1	139
	<i>Lepomis punctatus</i>	1	109
	<i>Gambusia</i> sp.	5	
	<i>Etheostoma fonticola</i>	1	34
	<i>Palaemonetes</i> sp.	2	
14	<i>Gambusia</i> sp.	2	
15	<i>Thiara granifera</i>	2	
	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: H1 - Site 1	
Date: 3/6/2001	Time: 1155	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i> sp.		
2	<i>Gambusia</i> sp.		
slight	<i>Thiara granifera</i>		
4	<i>Lepomis punctatus</i>		
1	<i>Lepomis megalotis</i>		
1	<i>Cichlasoma cyanoguttatum</i>		
9	<i>Palaemonetes</i> sp.		
5	<i>Procambarus</i> sp.		
1	<i>Etheostoma fonticola</i>		
5	<i>Lepomis macrochirus</i>		
2	<i>Dionda episcopa</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	5	
	<i>Gambusia</i> sp.	1	30
	<i>Lepomis macrochirus</i>	2	41,32
	<i>Cichlasoma cyanoguttatum</i>	1	38
	<i>Thiara granifera</i>	slight	
2	<i>Procambarus</i> sp.	3	
	<i>Lepomis megalotis</i>	1	35
3	<i>Palaemonetes</i> sp.	2	
	<i>Lepomis macrochirus</i>	2	47,48
	<i>Gambusia</i> sp.	1	33
4	<i>Thiara granifera</i>	slight	
	<i>Corbicula</i> sp.	slight	
	<i>Procambarus</i> sp.	1	
	<i>Dionda episcopa</i>	1	46
	<i>Palaemonetes</i> sp.	2	
	<i>Lepomis macrochirus</i>	1	31
5	<i>Lepomis punctatus</i>	1	53
	<i>Thiara granifera</i>	slight	
6	<i>Thiara granifera</i>	slight	
7	<i>Lepomis punctatus</i>	1	38
8	<i>Dionda episcopa</i>	1	43
	<i>Corbicula</i> sp.		
9	<i>Thiara granifera</i>	slight	
10	<i>Corbicula</i> sp.	slight	
	<i>Thiara granifera</i>	slight	
11	<i>Thiara granifera</i>	slight	
12	<i>Lepomis punctatus</i>	1	33
13	No fish or crustaceans collected		
14	<i>Corbicula</i> sp.	slight	
	<i>Thiara granifera</i>	slight	
	<i>Lepomis punctatus</i>	1	133
	<i>Etheostoma fonticola</i>	1	27
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: H2 - Site 2	
Date: 3/6/2001	Time: 0915-0937	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
1	<i>Etheostoma fonticola</i>		
3	<i>Palaemonetes</i> sp.		
13	<i>Procambarus</i> sp.		
slight	<i>Thiara granifera</i>		
slight	<i>Elimia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i> sp.	2	
2	<i>Procambarus</i> sp.	4	
3	<i>Procambarus</i> sp.	2	
4	<i>Etheostoma fonticola</i>	1	37
	<i>Palaemonetes</i> sp.	1	
5	<i>Procambarus</i> sp.	1	
6	<i>Elimia comalensis</i>	slight	
	<i>Procambarus</i> sp.	2	
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	<i>Procambarus</i> sp.	1	
	<i>Thiara granifera</i>	slight	
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	<i>Procambarus</i> sp.	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: O2 - Site 3	
Date: 3/6/2001	Time: 0943-0959	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
slight slight-moderate 7	<i>Corbicula</i> sp. <i>Thiara granifera</i> <i>Notropis amabilis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Notropis amabilis</i>	6	56,60,60,66,60,41
2	<i>Thiara granifera</i>	slight	52
3	<i>Corbicula</i> sp. <i>Thiara granifera</i>	slight slight	
4	<i>Thiara granifera</i>	slight	
5	<i>Notropis amabilis</i>	1	
6	No fish or crustaceans collected		
7	<i>Corbicula</i> sp. <i>Thiara granifera</i>	3 slight	
8	<i>Thiara granifera</i>	moderate	
9	<i>Thiara granifera</i>	slight	
10	<i>Thiara granifera</i>	slight	
11	No fish or crustaceans collected		
12	<i>Corbicula</i> sp. <i>Thiara granifera</i>	slight slight	
13	<i>Corbicula</i> sp. <i>Thiara granifera</i>	slight slight	
14	No fish or crustaceans collected		
15	<i>Corbicula</i> sp. <i>Thiara granifera</i>	slight slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: C2 Site 4	
Date: 3/6/2001	Time: 1022-1103	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i> sp.		
6	<i>Etheostoma fonticola</i>		
74	<i>Gambusia</i> sp.		
1	<i>Ambloplites rupestris</i>		
18	<i>Palaemonetes</i> sp.		
11	<i>Lepomis macrochirus</i>		
1	<i>Lepomis punctatus</i>		
2	<i>Procambarus</i> sp.		
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Lepomis macrochirus</i>	1	43
	<i>Palaemonetes</i> sp.	7	
	<i>Gambusia</i> sp.	11	28,30,16,17,28,19,21,22,24,18,17,12
	<i>Ambloplites rupestris</i>	1	12
2	<i>Lepomis punctatus</i>	1	
	<i>Lepomis macrochirus</i>	3	
	<i>Palaemonetes</i> sp.	4	
	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	10	24,25,17,18,20,21,10,16,21,23
3	<i>Thiara granifera</i>	slight	
	<i>Corbicula</i> sp.	slight	
	<i>Etheostoma fonticola</i>	3	23,21,22
	<i>Lepomis macrochirus</i>	2	30,39
	<i>Gambusia</i> sp.	2	13,19
4	<i>Etheostoma fonticola</i>	1	24
	<i>Palaemonetes</i> sp.	1	
	<i>Lepomis macrochirus</i>	2	37,24
	<i>Gambusia</i> sp.	6	17,18
5	<i>Lepomis macrochirus</i>	2	26,51
	<i>Gambusia</i> sp.	13	
	<i>Palaemonetes</i> sp.	6	
6	<i>Gambusia</i> sp.	11	
7	<i>Etheostoma fonticola</i>	1	34
	<i>Lepomis macrochirus</i>	1	36
8	<i>Gambusia</i> sp.	3	
9	<i>Gambusia</i> sp.	3	
10	<i>Corbicula</i> sp.	slight	
	<i>Thiara granifera</i>	slight	
	<i>Etheostoma fonticola</i>	1	28
	<i>Gambusia</i> sp.	1	
11	<i>Corbicula</i> sp.	slight	
	<i>Gambusia</i> sp.	5	
12	No fish or crustaceans collected		
13	<i>Thiara granifera</i>	slight	
	<i>Gambusia</i> sp.	6	
14	<i>Gambusia</i> sp.	3	
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: C1 - Site 5	
Date: 3/6/2001	Time: 1109-1139	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
8	<i>Palaemonetes</i> sp.		
1	<i>Lepomis gulosus</i>		
196	<i>Gambusia</i> sp.		
5	<i>Lepomis punctatus</i>		
1	<i>Etheostoma fonticola</i>		
2	<i>Poecilia latipinna</i>		
1	<i>Lepomis</i> sp.		
slight	<i>Corbicula</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Palaemonetes</i> sp.	3	
	<i>Etheostoma fonticola</i>	1	28
	<i>Gambusia</i> sp.	12	31,12,15,16,21,10,21,13,31,35,19,21
2	<i>Lepomis punctatus</i>	2	42,87
	<i>Gambusia</i> sp.	15	27,28,23,25,21,21,22,21,15,21,23,22,24
3	<i>Poecilia latipinna</i>	1	31
	<i>Palaemonetes</i> sp.	2	
4	<i>Lepomis punctatus</i>	1	42
	<i>Gambusia</i> sp.	11	
5	<i>Lepomis punctatus</i>	1	90
	<i>Gambusia</i> sp.	16	
6	<i>Palaemonetes</i> sp.	1	
	<i>Lepomis</i> sp.	1	10
	<i>Gambusia</i> sp.	11	
7	<i>Lepomis punctatus</i>	1	35
	<i>Gambusia</i> sp.	34	
8	<i>Gambusia</i> sp.	23	
9	<i>Gambusia</i> sp.	11	
10	<i>Corbicula</i> sp.	slight	
	<i>Gambusia</i> sp.	9	
11	<i>Lepomis gulosus</i>	1	208
	<i>Gambusia</i> sp.	4	
12	<i>Gambusia</i> sp.	16	
13	<i>Gambusia</i> sp.	27	
14	<i>Poecilia latipinna</i>	1	29
	<i>Gambusia</i> sp.	2	
15	<i>Gambusia</i> sp.	5	
	<i>Palaemonetes</i> sp.	2	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: HD1 - Site 6	
Date: 3/6/2001	Time: 1144-1211	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
5	<i>Poecilia latipinna</i>		
4	<i>Etheostoma fonticola</i>		
117	<i>Gambusia</i> sp.		
17	<i>Palaemonetes</i> sp.		--
3	<i>Procambarus</i> sp.		--
2	<i>Tilapia</i> sp.		
1	<i>Notropis</i> sp.		
1	<i>Corbicula</i> sp.		
1	<i>Lepomis punctatus</i>		
2	<i>Lepomis macrochirus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Palaemonetes</i> sp.	12	
	<i>Gambusia</i> sp.	28	16, 15, 10, 22, 22, 19, 20, 20, 19, 23, 22, 17, 19, 21, 15, 12, 21, 22, 23, 20, 20, 22, 23
	<i>Poecilia latipinna</i>	2	24, 25
2	<i>Etheostoma fonticola</i>	2	22, 18
	<i>Tilapia</i> sp.	1	60
	<i>Notropis</i> sp.	1	23
	<i>Gambusia</i> sp.	27	15, 17
	<i>Palaemonetes</i> sp.	2	
3	<i>Poecilia latipinna</i>	1	41
	<i>Gambusia</i> sp.	17	
4	<i>Gambusia</i> sp.	5	
5	<i>Gambusia</i> sp.	5	
6	<i>Gambusia</i> sp.	10	
7	<i>Palaemonetes</i> sp.	2	
	<i>Gambusia</i> sp.	9	
8	<i>Procambarus</i> sp.	1	
	<i>Corbicula</i> sp.	1	
	<i>Lepomis punctatus</i>	1	33
	<i>Gambusia</i> sp.	4	
9	<i>Gambusia</i> sp.	5	
	<i>Poecilia latipinna</i>	1	21
10	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	4	
11	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
12	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	1	
	<i>Lepomis macrochirus</i>	1	37
13	<i>Tilapia</i> sp.	1	21
14	<i>Lepomis macrochirus</i>	1	53
	<i>Gambusia</i> sp.	1	
15	<i>Etheostoma fonticola</i>	1	17
	<i>Poecilia latipinna</i>	1	23

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: O1 Site 7	
Date: 3/6/2001	Time: 1214-1226	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i> sp.		
1	<i>Percina sciera</i>		
3	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	<i>Corbicula</i> sp.	slight	
4	No fish or crustaceans collected		
5	<i>Percina sciera</i>	1	75
6	<i>Thiara granifera</i>	slight	
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	<i>Thiara granifera</i>	1	
12	<i>Thiara granifera</i>	1	
13	<i>Thiara granifera</i>	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -WINTER QUARTERLY SAMPLING

Location (Reach): IH-35		Site: HD2 - site 8	
Date: 3/6/2001	Time: 1231-1247	Observer(s): EO, MR, CN, DT	
Overall	Species	Number	Avg. Length (mm)
1	<i>Gambusia</i> sp.		
4	<i>Procambarus</i> sp.		
2	<i>Corbicula</i> sp.		
1	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	1	31
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	<i>Procambarus</i> sp.	1	
5	<i>Procambarus</i> sp.	2	
6	<i>Corbicula</i> sp.	1	
7	<i>Corbicula</i> sp.	1	
8	<i>Procambarus</i> sp.	1	
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	<i>Thiara granifera</i>	1	
15	No fish or crustaceans collected		

Spring Quarterly Sampling Event

City Park

L35

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: H2 - Site 1	
Date: 5/7/2001	Time: 905	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
2	<i>Hypostomus plecostomus</i>		
7	<i>Etheostoma fonticola</i>		
108	<i>Gambusia</i> sp.		
11	<i>Procambarus</i> sp.		
slight	<i>Thiara granifera</i>		
slight	natives		
2	<i>Ambloplites rupestris</i>		
1	<i>Ictalurus natalis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Hypostomus plecostomus</i>	2	11, 19
	<i>Etheostoma fonticola</i>	3	12, 16, 31
	<i>Gambusia</i> sp.	40	25, 40, 22, 26, 30, 21, 34, 22, 19, 19, 24, 13, 20, 16, 21, 15, 13, 18, 19, 22, 27, 13, 13, 9, 20
2	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	18	
3	<i>Gambusia</i> sp.	7	
4	<i>Ambloplites rupestris</i>	1	121
	<i>Etheostoma fonticola</i>	1	27
	<i>Gambusia</i> sp.	5	
5	<i>Procambarus</i> sp.	2	
	<i>Thiara granifera</i>	slight	
	<i>Ambloplites rupestris</i>	1	18
	<i>Gambusia</i> sp.	11	
6	<i>Procambarus</i> sp.	2	
	<i>Elmia comalensis</i>	slight	
	<i>Gambusia</i> sp.	1	
7	<i>Procambarus</i> sp.	1	
	<i>Ictalurus natalis</i>	1	27
	<i>Gambusia</i> sp.	10	
8	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	27
	<i>Gambusia</i> sp.	5	
9	<i>Gambusia</i> sp.	1	
	<i>Thiara granifera</i>	slight	
	<i>Elmia comalensis</i>	slight	
10	<i>Procambarus</i> sp.	2	
	<i>Etheostoma fonticola</i>	1	21
	<i>Gambusia</i> sp.	5	
11	No fish or crustaceans collected		
12	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	2	
13	<i>Gambusia</i> sp.	2	
	<i>Procambarus</i> sp.	1	
14	<i>Gambusia</i> sp.	1	
15	<i>Elmia comalensis</i>	slight	
	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: PH1 Site 2	
Date: 5/7/2001	Time: 1015	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
1	<i>Etheostoma fonticola</i>		
36	<i>Gambusia</i> sp.		
1	<i>Lepomis punctatus</i>		
slight	<i>Thiara granifera</i>		
slight	<i>Elmia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	6	34,33,26,20,27,16
2	<i>Gambusia</i> sp.	9	25,20,33,25,24,24,29,23,20
3	<i>Gambusia</i> sp.	6	23,21,18,30,21,26
4	<i>Gambusia</i> sp.	2	23,26
5	<i>Gambusia</i> sp.	2	21,18
	<i>Etheostoma fonticola</i>	1	33
	<i>Lepomis punctatus</i>	1	98
	<i>Thiara granifera</i>	slight	
	<i>Elmia comalensis</i>	slight	
6	No fish or crustaceans collected		
7	<i>Gambusia</i> sp.	1	
	<i>Thiara granifera</i>	slight	
8	<i>Gambusia</i> sp.	8	
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	<i>Gambusia</i> sp.	2	
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: O1 Site 3	
Date: 5/7/2001	Time: 1045	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	<i>Thiara granifera</i>	slight	
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: HD1 - Site 4	
Date: 5/7/2001	Time: 1112	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
1	<i>Ambloplites rupestris</i>		
19	<i>Etheostoma fonticola</i>		
1	<i>Chelydra Serpentina</i> (snapping turtle)		
7	<i>Lepomis punctatus</i>		
19	<i>Palaemonetes</i> sp.		
2	<i>Micropterus salmoides</i>		
slight	<i>Thiara granifera</i>		
630	<i>Gambusia</i> sp.		
8	<i>Procambarus</i> sp.		
slight	<i>Elmia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Chelydra Serpentina</i> (snapping turtle)	1	
	<i>Lepomis punctatus</i>	2	94,108
	<i>Etheostoma fonticola</i>	2	25,31
	<i>Gambusia</i> sp.	142	40,38,36,40,40,41,31,34,38,36,24,26,29,33,36,31,35,44,30,31,36,14,21,35,36
	<i>Palaemonetes</i> sp.	4	
	<i>Micropterus salmoides</i>	1	33
2	<i>Etheostoma fonticola</i>	2	38,26
	<i>Palaemonetes</i> sp.	6	
	<i>Gambusia</i> sp.	147	
3	<i>Procambarus</i> sp.	4	
	<i>Lepomis punctatus</i>	2	121,91
	<i>Micropterus salmoides</i>	1	51
	<i>Palaemonetes</i> sp.	5	
	<i>Etheostoma fonticola</i>	2	32,33
	<i>Thiara granifera</i>	slight	
	<i>Gambusia</i> sp.	80	
4	<i>Etheostoma fonticola</i>	1	32
	<i>Elmia comalensis</i>	slight	
	<i>Gambusia</i> sp.	123	
5	<i>Ambloplites rupestris</i>	1	149
	<i>Etheostoma fonticola</i>	5	30,30,36,31,29
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	50	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Dip net sweep	Species	Number	Length (mm)
6	<i>Etheostoma fonticola</i>	2	31,35
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	20	
7	<i>Procambarus</i> sp.	1	26
	<i>Etheostoma fonticola</i>	1	
	<i>Gambusia</i> sp.	17	
8	<i>Gambusia</i> sp.	16	
	<i>Procambarus</i> sp.	1	
9	<i>Lepomis punctatus</i>	1	93
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	20	
10	<i>Lepomis punctatus</i>	1	89
	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	22
	<i>Gambusia</i> sp.	6	
11	<i>Procambarus</i> sp.	1	38
	<i>Palaemonetes</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	
12	<i>Etheostoma fonticola</i>	1	32
	<i>Gambusia</i> sp.	6	
13	<i>Etheostoma fonticola</i>	1	24
	<i>Thiara granifera</i>	slight	
	<i>Gambusia</i> sp.	3	
14	No fish or crustaceans collected		
15	<i>Lepomis punctatus</i>	1	111

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: O2 - Site 5	
Date: 5/7/2001	Time: 1320	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
* Tubers were in immediate area prior to sampling			

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: HD2 - Site 6	
Date: 5/7/2001	Time: 1340	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
7	<i>Etheostoma fonticola</i>		
151	<i>Gambusia</i> sp.		
4	<i>Ambloplites rupestris</i>		
1	<i>Micropterus salmoides</i>		
5	<i>Procambarus</i> sp.		
1	<i>Lepomis punctatus</i>		
slight	<i>Elmia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	1	34
	<i>Ambloplites rupestris</i>	1	26
	<i>Gambusia</i> sp.	58	12,10,13,12,17,18,21,12,19,15,16,20,16,19, 15,15,15,21,11,16,14,14,16,12,16
	<i>Elmia comalensis</i>	slight	
2	<i>Ambloplites rupestris</i>	1	24
	<i>Gambusia</i> sp.	19	
3	<i>Micropterus salmoides</i>	1	30
	<i>Ambloplites rupestris</i>	1	28
	<i>Gambusia</i> sp.	9	
4	<i>Etheostoma fonticola</i>	2	30,18
	<i>Lepomis punctatus</i>	1	108
	<i>Gambusia</i> sp.	8	
5	<i>Gambusia</i> sp.	8	
6	<i>Procambarus</i> sp.	2	
	<i>Etheostoma fonticola</i>	1	19
	<i>Gambusia</i> sp.	3	
7	<i>Ambloplites rupestris</i>	1	165
	<i>Gambusia</i> sp.	8	
8	<i>Etheostoma fonticola</i>	1	19
	<i>Gambusia</i> sp.	11	
9	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	4	
10	<i>Etheostoma fonticola</i>	1	32
	<i>Gambusia</i> sp.	8	
11	No fish or crustaceans collected		
12	<i>Gambusia</i> sp.	7	
13	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	5	
14	<i>Etheostoma fonticola</i>	1	16
	<i>Gambusia</i> sp.	3	
15	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: H1 - Site 7	
Date: 5/7/2001	Time: 1155	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
107	<i>Gambusia</i> sp.		
slight	<i>Thiara granifera</i>		
2	<i>Procambarus</i> sp.		
21	<i>Etheostoma fonticola</i>		
slight	<i>Melanoides</i>		
1	<i>Ictalurus natalis</i>		
1	<i>Corbicula</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Ictalurus natalis</i>	1	39
	<i>Etheostoma fonticola</i>	1	15
	<i>Gambusia</i> sp.	27	18,16,11,19,20,19,20,13,16,18,16,17,26,16, 17,18,17,22,17,16,20,20,29,15,14
2	<i>Procambarus</i> sp.	1	32
	<i>Melanoides</i>	slight	
	<i>Thiara granifera</i>	slight	
	<i>Gambusia</i> sp.	11	
3	<i>Corbicula</i>	1	
	<i>Etheostoma fonticola</i>	3	19,15,19
	<i>Gambusia</i> sp.	11	
4	<i>Corbicula</i>	slight	
	<i>Melanoids</i>	slight	
	<i>Etheostoma fonticola</i>	5	21,19,23,19,18
	<i>Gambusia</i> sp.	11	
5	<i>Thiara granifera</i>	slight	
	<i>Gambusia</i> sp.	7	
6	<i>Etheostoma fonticola</i>	2	24,20
	<i>Gambusia</i> sp.	7	
7	<i>Gambusia</i> sp.	5	
8	<i>Etheostoma fonticola</i>	2	18,17
9	<i>Gambusia</i> sp.	7	
10	<i>Etheostoma fonticola</i>	3	20,24,20
	<i>Gambusia</i> sp.	3	
11	<i>Gambusia</i> sp.	2	
12	<i>Etheostoma fonticola</i>	1	16
	<i>Gambusia</i> sp.	1	
13	<i>Gambusia</i> sp.	7	
	<i>Thiara granifera</i>	slight	
14	<i>Etheostoma fonticola</i>	2	33,21
	<i>Gambusia</i> sp.	5	
15	<i>Etheostoma fonticola</i>	2	18,15
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	3	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY TRIP

Location (Reach): City Park		Site: PH2 - Site 8	
Date: 5/7/2001	Time: 1513	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
2	<i>Lepomis punctatus</i>		
16	<i>Etheostoma fonticola</i>		
155	<i>Gambusia</i> sp.		
1	<i>Procambarus</i> sp.		
slight	<i>Thiara granifera</i>		
slight	<i>Elmia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Lepomis punctatus</i>	1	139
	<i>Gambusia</i> sp.	26	13,20,13,18,18,16,16,15,14,20,15,14,12,14,16,15,16,13,21,15,16,15,17,11,16
	<i>Etheostoma fonticola</i>	2	20,21
2	<i>Etheostoma fonticola</i>	3	14,18,14
	<i>Thiara granifera</i>	slight	
	<i>Elmia comalensis</i>	slight	
	<i>Gambusia</i> sp.	39	
3	<i>Etheostoma fonticola</i>	4	16,31,31,16
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	28	
4	<i>Etheostoma fonticola</i>	3	31,29,16
	<i>Gambusia</i> sp.	11	
5	<i>Gambusia</i> sp.	14	
6	<i>Lepomis punctatus</i>	1	113
	<i>Gambusia</i> sp.	13	
7	<i>Thiara granifera</i>	slight	
	<i>Etheostoma fonticola</i>	1	34
	<i>Gambusia</i> sp.	8	
8	<i>Etheostoma fonticola</i>	2	32,19
	<i>Gambusia</i> sp.	14	
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	<i>Gambusia</i> sp.	1	
13	<i>Etheostoma fonticola</i>	1	14
14	<i>Gambusia</i> sp.	1	
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: H1 - Site 1	
Date: 5/8/2001	Time: 845	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
11 slight 1	<i>Procambarus</i> sp. <i>Elmia comalensis</i> <i>Etheostoma fonticola</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp. <i>Elmia comalensis</i>	1 slight	
2	<i>Procambarus</i> sp.	1	
3	<i>Procambarus</i> sp.	2	
4	No fish or crustaceans collected		
5	<i>Procambarus</i> sp.	1	
6	<i>Procambarus</i> sp.	1	
7	<i>Procambarus</i> sp.	1	
8	<i>Procambarus</i> sp.	1	
9	<i>Procambarus</i> sp.	1	
10	No fish or crustaceans collected		
11	<i>Etheostoma fonticola</i>	1	35
12	<i>Procambarus</i> sp.	1	
13	<i>Procambarus</i> sp.	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: HD1 - Site 2	
Date: 5/8/2001	Time: 915	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i>		
slight	<i>Thiara granifera</i>		
5	<i>Procambarus</i> sp.		
slight	<i>Elmia comalensis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp. <i>Elmia comalensis</i>	1 slight	
2	No fish or crustaceans collected		
3	<i>Procambarus</i> sp.	1	
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	<i>Corbicula</i> <i>Thiara granifera</i> <i>Elmia comalensis</i>	slight slight slight	
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	<i>Procambarus</i> sp.	2	
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: O1 Site 3	
Date: 5/8/2001	Time: 935	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Elmia comalensis</i>		
slight	<i>Corbicula</i>		
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Elmia comalensis</i>	slight	
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	<i>Thiara granifera</i> <i>Elmia comalensis</i> <i>Corbicula</i>	slight slight slight	
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	<i>Corbicula</i> <i>Thiara granifera</i>	slight slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: C1-Site 4	
Date: 5/8/2001	Time: 1002	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i>		
1	<i>Dionda</i> sp.		
3	<i>Lepomis auritus</i>		
1	<i>Lepomis macrochirus</i>		
53	<i>Palaemonetes</i>		
4	<i>Lepomis punctatus</i>		
25	<i>Etheostoma fonticola</i>		
46	<i>Gambusia</i> sp.		
7	<i>Ambloplites rupestris</i>		
7	<i>Procambarus</i> sp.		
slight	<i>Thiara</i> sp		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	4	30,24,23,18
	<i>Ambloplites rupestris</i>	3	27,24,23
	<i>Lepomis punctatus</i>	1	56
	<i>Gambusia</i> sp.	2	35,16
	<i>Palaemonetes</i>	21	
2	<i>Gambusia</i> sp.	3	29,21,19
	<i>Lepomis punctatus</i>	1	56
	<i>Etheostoma fonticola</i>	3	17,15,18
	<i>Ambloplites rupestris</i>	1	14
	<i>Palaemonetes</i>	9	
3	<i>Etheostoma fonticola</i>	3	20,17,15
	<i>Gambusia</i> sp.	11	14,24,21,15,24,21,18,16,20,13,12
	<i>Palaemonetes</i>	6	
4	<i>Procambarus</i> sp.	1	
	<i>Lepomis auritus</i>	1	59
	<i>Lepomis macrochirus</i>	1	48
	<i>Lepomis punctatus</i>	2	77,61
	<i>Gambusia</i> sp.	2	20,10
	<i>Etheostoma fonticola</i>	2	16,18
	<i>Palaemonetes</i>	5	
5	<i>Lepomis auritus</i>	1	49
	<i>Dionda</i> sp.	1	52
	<i>Ambloplites rupestris</i>	1	34
	<i>Palaemonetes</i>	2	
6	<i>Procambarus</i> sp.	3	
	<i>Thiara</i> sp	slight	
	<i>Corbicula</i>	slight	
	<i>Gambusia</i> sp.	5	37,48,14,16,12
	<i>Ambloplites rupestris</i>	1	26

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Dip net sweep	Species	Number	Length (mm)
7	<i>Lepomis auritus</i>	1	53
	<i>Gambusia</i> sp.	3	41,17
	<i>Etheostoma fonticola</i>	5	27,19,16,18,20
	<i>Palaemonetes</i>	1	
8	<i>Ambloplites rupestris</i>	1	10
	<i>Etheostoma fonticola</i>	1	23
	<i>Gambusia</i> sp.	3	
	<i>Palaemonetes</i>	3	
9	<i>Etheostoma fonticola</i>	1	15
	<i>Gambusia</i> sp.	2	
	<i>Palaemonetes</i>	2	
10	<i>Etheostoma fonticola</i>	5	26,14,15,17,15
	<i>Gambusia</i> sp.	4	
	<i>Palaemonetes</i>	1	
11	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	3	
	<i>Palaemonetes</i>	1	
12	<i>Gambusia</i> sp.	4	
	<i>Palaemonetes</i>	1	
13	<i>Etheostoma fonticola</i>	1	13
	<i>Gambusia</i> sp.	2	
14	<i>Gambusia</i> sp.	1	
	<i>Palaemonetes</i>	1	
15	<i>Gambusia</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: H2 - Site 5	
Date: 5/8/2001	Time: 1122	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
55	<i>Procambarus</i> sp.		
8	<i>Etheostoma fonticola</i>		
slight	<i>Thiara granifera</i>		
slight-moderate	<i>Elmia comalensis</i>		
1	<i>Ambloplites rupestris</i>		
47	<i>Poecilia latipinna</i>		
2	<i>Micropterus salmoides</i>		
47	<i>Gambusia</i> sp.		
12	<i>Palaemonetes</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	23	
	<i>Etheostoma fonticola</i>	1	34
	<i>Thiara granifera</i>	slight	
	<i>Elmia comalensis</i>	slight	
	<i>Ambloplites rupestris</i>	1	
	<i>Poecilia latipinna</i>	10	34,44,51,48,38,45,41,43,31,31
	<i>Micropterus salmoides</i>	1	43
	<i>Gambusia</i> sp.	16	24,33,36,30,31,20,14,14,36,21,20,23,22,18,20,20
	<i>Palaemonetes</i>	7	
2	<i>Etheostoma fonticola</i>	1	34
	<i>Poecilia latipinna</i>	8	46,35,34,45,41,44,46,34
	<i>Elmia comalensis</i>	moderate	
	<i>Gambusia</i> sp.	5	31,35,39,22,26
	<i>Procambarus</i> sp.	3	
	<i>Palaemonetes</i>	1	
3	<i>Etheostoma fonticola</i>	2	39,18
	<i>Poecilia latipinna</i>	5	41,36,34,36,35
	<i>Gambusia</i> sp.	4	21,24,21,22
	<i>Procambarus</i> sp.	6	
4	<i>Poecilia latipinna</i>	4	36,41,31,36
	<i>Gambusia</i> sp.	10	31,35,36,31,36,34,25,36,11,14
	<i>Procambarus</i> sp.	6	
5	<i>Etheostoma fonticola</i>	4	35,15,16,21
	<i>Micropterus salmoides</i>	1	40
	<i>Gambusia</i> sp.	3	
	<i>Poecilia latipinna</i>	1	
	<i>Procambarus</i> sp.	1	
6	<i>Procambarus</i> sp.	5	
	<i>Poecilia latipinna</i>	8	
	<i>Gambusia</i> sp.	1	
7	<i>Poecilia latipinna</i>	4	
	<i>Gambusia</i> sp.	1	
	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i>	3	
8	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	2	
9	<i>Poecilia latipinna</i>	3	
	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	2	
10	No fish or crustaceans collected		
11	<i>Procambarus</i> sp.	2	
	<i>Poecilia latipinna</i>	2	
12	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i>	1	
	<i>Poecilia latipinna</i>	1	
	<i>Gambusia</i> sp.	3	
13	<i>Procambarus</i> sp.	1	
	<i>Poecilia latipinna</i>	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: O2 - Site 6	
Date: 5/8/2001	Time: 1205	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: C2 - Site 7	
Date: 5/8/2001	Time: 1219	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
9 slight	<i>Etheostoma fonticola</i>		
107	<i>Corbicula</i>		
12	<i>Gambusia</i> sp.		
2	<i>Poecilia latipinna</i>		
3	<i>Ambloplites rupestris</i>		
2	<i>Lepomis punctatus</i>		
1	<i>Dionda</i> sp.		
2	<i>Lepomis auritus</i>		
	<i>Lepomis</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	2	20,23
	<i>Corbicula</i>	slight	
	<i>Gambusia</i> sp.	15	21,20,17,31,38,31,23,25,11,33,40,21,18,16,20
	<i>Poecilia latipinna</i>	1	45
2	<i>Etheostoma fonticola</i>	2	25,19,
	<i>Ambloplites rupestris</i>	1	19
	<i>Gambusia</i> sp.	31	27,25,33,16,31,24,39,16,30,38
	<i>Poecilia latipinna</i>	3	37,29,34
3	<i>Gambusia</i> sp.	17	
	<i>Lepomis punctatus</i>	1	86
	<i>Etheostoma fonticola</i>	1	22
	<i>Poecilia latipinna</i>	6	36
4	<i>Poecilia latipinna</i>	1	25
	<i>Gambusia</i> sp.	18	
	<i>Dionda episcopa</i>	1	22
	<i>Lepomis</i> sp.	1	56
5	<i>Lepomis punctatus</i>	2	92,98
	<i>Etheostoma fonticola</i>	1	21
	<i>Gambusia</i> sp.	17	
6	<i>Thiara granifera</i>	slight	
	<i>Lepomis auritus</i>	1	63
	<i>Poecilia latipinna</i>	1	37
	<i>Gambusia</i> sp.	2	
7	No fish or crustaceans collected		
8	<i>Etheostoma fonticola</i>	2	18,21
	<i>Gambusia</i> sp.	6	
9	<i>Corbicula</i>	slight	
	<i>Dionda</i> sp.	1	14
10	No fish or crustaceans collected		
11	<i>Ambloplites rupestris</i>	1	12
12	No fish or crustaceans collected		
13	<i>Lepomis</i> sp.	1	79
14	<i>Etheostoma fonticola</i>	1	20
15	<i>Gambusia</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SPRING QUARTERLY SAMPLING

Location (Reach): I-35		Site: HD2 - Site 8	
Date: 5/8/2001	Time: 1300	Observer(s): EO, MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
3 slight 1	<i>Gambusia</i> sp. <i>Elmia comalensis</i> <i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	2	29,22
2	<i>Gambusia</i> sp.	1	21
3	<i>Elmia comalensis</i>	slight	
4	<i>Procambarus</i> sp.	1	
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

Summer Quarterly Sampling Event

City Park

I-35

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY TRIP

Location (Reach): City Park		Site: HD1 - Site 1	
Date: 8/13/2001	Time: 950	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
11	<i>Procambarus</i> sp.		
3	<i>Ambloplites rupestris</i>		
1	<i>Ictalurus natalis</i>		
125	<i>Gambusia</i> sp.		
1	<i>Lepomis punctatus</i>		
1	<i>Palaemonetes</i>		
3	<i>Etheostoma fonticola</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	12	21, 19, 36, 38, 38, 35, 31, 15, 16, 17, 38, 13
	<i>Ambloplites rupestris</i>	1	64
2	<i>Procambarus</i> sp.	2	
	<i>Ambloplites rupestris</i>	1	135
	<i>Ictalurus natalis</i>	1	42
	<i>Gambusia</i> sp.	46	33, 30, 29, 21, 29, 21, 36, 21, 29, 24, 19, 24, 26, 16
3	<i>Lepomis punctatus</i>	1	87
	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	20	
4	<i>Gambusia</i> sp.	10	
5	<i>Gambusia</i> sp.	10	
6	<i>Ambloplites rupestris</i>	1	173
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	10	
7	<i>Etheostoma fonticola</i>	1	37
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	4	
8	<i>Gambusia</i> sp.	4	
9	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	3	
10	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	3	
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	<i>Gambusia</i> sp.	1	
14	<i>Etheostoma fonticola</i>	1	38
	<i>Gambusia</i> sp.	2	
15	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: PH2 - Site 2	
Date: 8/13/2001	Time: 1040	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
4	<i>Etheostoma fonticola</i>		
77	<i>Gambusia</i> sp.		
1	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	25	19,21,44,26,27,31,26,29,24,34,33,30,21,20,21,18,23,17,23,29,20,16,12,14,16
2	<i>Gambusia</i> sp.	14	
3	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	5	
4	<i>Gambusia</i> sp.	14	
	<i>Procambarus</i> sp.	1	
5	<i>Gambusia</i> sp.	3	
6	<i>Etheostoma fonticola</i>	1	35
	<i>Gambusia</i> sp.	3	
7	<i>Etheostoma fonticola</i>	1	35
	<i>Gambusia</i> sp.	2	
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	<i>Gambusia</i> sp.	4	
11	<i>Gambusia</i> sp.	2	
12	<i>Gambusia</i> sp.	1	
13	<i>Gambusia</i> sp.	4	
14	<i>Etheostoma fonticola</i>	1	33
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: O1 Site 3	
Date: 8/13/2001	Time: 1126	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	<i>Thiara granifera</i>	slight	
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: O2 - Site 4	
Date: 8/13/2001	Time: 1138	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Thiara granifera</i>		
slight	<i>Melanoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Thiara granifera</i>	slight	
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	<i>Melanoides</i>	slight	
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: HD2 - Site 5	
Date: 8/13/2001	Time: 1149	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
20	<i>Etheostoma fonticola</i>		
46	<i>Gambusia</i> sp.		
1	<i>Palaemonetes</i> sp.		
5	<i>Procambarus</i> sp.		
slight	<i>Thiara granifera</i>		
1	<i>Micropterus salmoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	7	33,29,35,33,33,31,34
	<i>Gambusia</i> sp.	13	31,18,34,34,36,30,33,18,19,41,37,29,21
	<i>Palaemonetes</i> sp.	1	
2	<i>Etheostoma fonticola</i>	1	32
	<i>Gambusia</i> sp.	2	41,31
3	<i>Gambusia</i> sp.	2	44,12
4	<i>Micropterus salmoides</i>	1	68
	<i>Etheostoma fonticola</i>	2	37,38
	<i>Gambusia</i> sp.	10	35,37,35,25,26,31,30,33,34,39
5	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	3	
6	<i>Procambarus</i> sp.	2	
	<i>Etheostoma fonticola</i>	3	31,34,29
	<i>Gambusia</i> sp.	4	
7	<i>Etheostoma fonticola</i>	1	35
	<i>Gambusia</i> sp.	3	
8	No fish or crustaceans collected		
9	<i>Gambusia</i> sp.	2	
10	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	39
	<i>Gambusia</i> sp.	5	
11	<i>Thiara granifera</i>	slight	
12	No fish or crustaceans collected		
13	<i>Etheostoma fonticola</i>	4	33,31,34,38
14	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
15	<i>Gambusia</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: PH1 Site 6	
Date: 8/13/2001	Time: 1335	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
22	<i>Etheostoma fonticola</i>		
13	<i>Gambusia</i> sp.		
1	<i>Notropis chalybaeus</i>		
1	<i>Lepomis punctatus</i>		
moderate	<i>Thiara</i> sp		
7	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	2	36,31
	<i>Gambusia</i> sp.	6	38,30,35,30,32,16
	<i>Notropis chalybaeus</i>	1	
2	<i>Etheostoma fonticola</i>	4	22,32,30,26
	<i>Thiara</i> sp	moderate	
	<i>Gambusia</i> sp.	5	32,19,21,27,30
3	<i>Etheostoma fonticola</i>	2	29,37
4	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	32
5	<i>Gambusia</i> sp.	1	38
6	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	2	30,37
7	<i>Procambarus</i> sp.	2	
	<i>Etheostoma fonticola</i>	5	39,31,29,26,31
8	<i>Lepomis punctatus</i>	1	110
	<i>Etheostoma fonticola</i>	2	32,30
9	No fish or crustaceans collected		
10	<i>Gambusia</i> sp.	1	41
	<i>Etheostoma fonticola</i>	1	28
11	<i>Procambarus</i> sp.	1	
12	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	2	24,31
13	<i>Etheostoma fonticola</i>	1	23
14	No fish or crustaceans collected		
15	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: H2 - Site 7	
Date: 8/13/2001	Time: 1414	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
14	<i>Procambarus</i> sp.		
27	<i>Gambusia</i> sp.		
3	<i>Ictalurus natalis</i>		
17	<i>Palaemonetes</i> sp.		
15	<i>Etheostoma fonticola</i>		
1	<i>Micropterus salmoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Ictalurus natalis</i>	2	22,18
	<i>Procambarus</i> sp.	4	
	<i>Gambusia</i> sp.	13	30,14,22,14,30,21,24,27,31,36,19,14
	<i>Etheostoma fonticola</i>	2	27,30
	<i>Palaemonetes</i> sp.	3	
2	<i>Procambarus</i> sp.	4	
	<i>Gambusia</i> sp.	1	28
	<i>Ictalurus natalis</i>	1	23
	<i>Palaemonetes</i> sp.	7	
3	<i>Etheostoma fonticola</i>	3	30,32,29
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	5	31,32,21,30,18
4	<i>Etheostoma fonticola</i>	2	32,27
	<i>Gambusia</i> sp.	2	25,41
5	<i>Micropterus salmoides</i>	1	83
	<i>Etheostoma fonticola</i>	2	27,24
	<i>Gambusia</i> sp.	1	34
	<i>Procambarus</i> sp.	2	
6	<i>Etheostoma fonticola</i>	1	24
	<i>Gambusia</i> sp.	1	38
7	<i>Etheostoma fonticola</i>	1	32
8	<i>Gambusia</i> sp.	1	13
9	No fish or crustaceans collected		
10	<i>Procambarus</i> sp.	1	
11	<i>Palaemonetes</i>	7	
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	32
	<i>Etheostoma fonticola</i>	1	27
12	No fish or crustaceans collected		
13	<i>Gambusia</i> sp.	1	20
	<i>Etheostoma fonticola</i>	2	28,34
14	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	21
15	<i>Etheostoma fonticola</i>	1	24

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): City Park		Site: H1 - Site 8	
Date: 8/13/2001	Time: 1500	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
10	<i>Procambarus</i> sp.		
12	<i>Etheostoma fonticola</i>		
2	<i>Palaemonetes</i> sp.		
54	<i>Gambusia</i> sp.		
1	<i>Lepomis punctatus</i>		
1	<i>Lepomis macrochirus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	6	33,29,31,34,19,22
2	<i>Lepomis punctatus</i>	1	89
	<i>Gambusia</i> sp.	13	33,34,34,33,30,31,27,30,27,39,32,30,19
	<i>Etheostoma fonticola</i>	1	29
3	<i>Gambusia</i> sp.	5	31,32,44,32,29
	<i>Palaemonetes</i> sp.	1	
4	<i>Procambarus</i> sp.	2	
	<i>Etheostoma fonticola</i>	2	33,36
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	6	37,37,20,31,24,16
5	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	15
6	<i>Etheostoma fonticola</i>	2	29,34
	<i>Gambusia</i> sp.	10	
7	<i>Etheostoma fonticola</i>	1	31
	<i>Gambusia</i> sp.	5	
	<i>Procambarus</i> sp.	2	
8	<i>Etheostoma fonticola</i>	2	31,31
	<i>Gambusia</i> sp.	3	
9	<i>Lepomis macrochirus</i>	1	131
	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	31
	<i>Gambusia</i> sp.	3	
10	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	1	
11	<i>Etheostoma fonticola</i>	2	33,31
12	<i>Etheostoma fonticola</i>	1	25
	<i>Procambarus</i> sp.	2	
13	No fish or crustaceans collected		
14	<i>Gambusia</i> sp.	1	
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: H2 - Site 1	
Date: 8/14/2001	Time: 730	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
10 slight 1 slight	<i>Procambarus</i> sp. <i>Thiara granifera</i> <i>Palaemonetes</i> sp. <i>Corbicula</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp. <i>Thiara granifera</i>	2 slight	
2	No fish or crustaceans collected		
3	<i>Palaemonetes</i> sp.	1	
4	<i>Procambarus</i> sp.	1	
5	<i>Procambarus</i> sp.	3	
6	<i>Procambarus</i> sp.	3	
7	No fish or crustaceans collected		
8	<i>Procambarus</i> sp.	1	
9	<i>Corbicula</i>	slight	
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: O1 Site 2	
Date: 8/14/2001	Time: 755	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i>		
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	<i>Thiara granifera</i>	slight	
6	No fish or crustaceans collected		
7	<i>Corbicula</i>	slight	
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: C2 - Site 3	
Date: 8/14/2001	Time: 811	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
4	<i>Procambarus</i> sp.		
1	<i>Ictalurus natalis</i>		
5	<i>Ambloplites rupestris</i>		
5	<i>Lepomis</i> sp.		
19	<i>Gambusia</i> sp.		
9	<i>Etheostoma fonticola</i>		
48	<i>Palaemonetes</i> sp.		
5	<i>Lepomis punctatus</i>		
slight	<i>Thiara granifera</i>		
1	<i>Notropis chalybaeus</i>		
slight	<i>Corbicula</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Ictalurus natalis</i>	1	61
	<i>Ambloplites rupestris</i>	4	39,35,35,27
	<i>Lepomis</i> sp.	2	15,18
	<i>Gambusia</i> sp.	4	19,19,15,15
	<i>Etheostoma fonticola</i>	2	33,29
	<i>Palaemonetes</i> sp.	19	
2	<i>Ambloplites rupestris</i>	1	58
	<i>Lepomis punctatus</i>	2	47,33
	<i>Gambusia</i> sp.	10	20,17,19,16,16,14,16,15,37,29,34,na,na
	<i>Palaemonetes</i> sp.	10	
3	<i>Gambusia</i> sp.	2	26,13
	<i>Etheostoma fonticola</i>	2	21,26
	<i>Thiara granifera</i>	slight	
	<i>Palaemonetes</i> sp.	2	
4	<i>Lepomis punctatus</i>	2	38,34
	<i>Etheostoma fonticola</i>	3	31,29,29
5	<i>Notropis chalybaeus</i>	1	52
	<i>Corbicula</i>	slight	
	<i>Lepomis</i> sp.	1	18
6	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	5	
7	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	2	
	<i>Etheostoma fonticola</i>	2	29,26
8	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	1	21
9	<i>Etheostoma fonticola</i>	1	30
	<i>Palaemonetes</i> sp.	3	
	<i>Procambarus</i> sp.	1	
10	No fish or crustaceans collected		
11	<i>Lepomis punctatus</i>	1	40
	<i>Palaemonetes</i> sp.	3	
12	<i>Lepomis</i> sp.	2	21,22
	<i>Palaemonetes</i> sp.	2	
	<i>Gambusia</i> sp.	1	11
13	<i>Gambusia</i> sp.	1	13
	<i>Palaemonetes</i> sp.	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: C1-Site 4	
Date: 8/14/2001	Time: 903	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Corbicula</i>		
1	<i>Notropis sp.</i>		
1	<i>Micropterus salmoides</i>		
14	<i>Lepomis punctatus</i>		
3	<i>Lepomis sp.</i>		
42	<i>Procambarus sp.</i>		
30	<i>Etheostoma fonticola</i>		
26	<i>Gambusia sp.</i>		
12	<i>Palaemonetes sp.</i>		
1	<i>Ambloplites rupestris</i>		
1	<i>Marisa cornuarietis</i>		
slight	<i>Thiara sp</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus sp.</i>	18	
	<i>Lepomis punctatus</i>	3	84,74,86
	<i>Palaemonetes sp.</i>	5	
	<i>Etheostoma fonticola</i>	5	26,29,31,24,21
	<i>Gambusia sp.</i>	6	26,30,16,21,29,21
	<i>Lepomis sp.</i>	1	26
	<i>Ambloplites rupestris</i>	1	44
2	<i>Marisa cornuarietis</i>	1	40
	<i>Lepomis punctatus</i>	1	66
	<i>Etheostoma fonticola</i>	3	26,29,29
	<i>Lepomis sp.</i>	1	11
	<i>Gambusia sp.</i>	2	20,13
	<i>Procambarus sp.</i>	2	
	<i>Palaemonetes sp.</i>	1	
3	<i>Notropis sp.</i>	1	51
	<i>Micropterus salmoides</i>	1	95
	<i>Lepomis punctatus</i>	1	35
	<i>Lepomis sp.</i>	1	13
	<i>Procambarus sp.</i>	3	
	<i>Etheostoma fonticola</i>	1	26
	<i>Gambusia sp.</i>	3	20,13,11
	<i>Palaemonetes sp.</i>	3	
4	<i>Procambarus sp.</i>	2	
	<i>Etheostoma fonticola</i>	8	26,28,27,33,27,28,29,28
	<i>Lepomis punctatus</i>	3	36,37,36
	<i>Gambusia sp.</i>	1	15
	<i>Palaemonetes sp.</i>	2	
	<i>Corbicula</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Dip net sweep	Species	Number	Length (mm)
5	<i>Thiara</i> sp	slight	
	<i>Etheostoma fonticola</i>	2	31,26
	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	1	14
6	<i>Procambarus</i> sp.	4	
	<i>Etheostoma fonticola</i>	4	21,26,25,18
	<i>Gambusia</i> sp.	1	15
7	<i>Etheostoma fonticola</i>	2	25,31
	<i>Lepomis punctatus</i>	1	30
	<i>Gambusia</i> sp.	4	21,11,12,12
	<i>Procambarus</i> sp.	5	
	<i>Palaemonetes</i> sp.	1	
8	<i>Gambusia</i> sp.	3	31,21,14
	<i>Etheostoma fonticola</i>	1	30
	<i>Lepomis punctatus</i>	1	30
9	<i>Lepomis punctatus</i>	2	90,45
	<i>Gambusia</i> sp.	1	13
	<i>Procambarus</i> sp.	4	
	<i>Etheostoma fonticola</i>	1	28
10	No fish or crustaceans collected		
11	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	26
12	<i>Etheostoma fonticola</i>	1	29
	<i>Gambusia</i> sp.	1	13
13	<i>Lepomis punctatus</i>	1	35
	<i>Gambusia</i> sp.	2	14,16
14	<i>Lepomis punctatus</i>	1	46
	<i>Procambarus</i> sp.	1	
15	<i>Etheostoma fonticola</i>	2	21,19

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: H1 - Site 5	
Date: 8/14/2001	Time: 1000	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
20	<i>Etheostoma fonticola</i>		
1	<i>Ictalurus natalis</i>		
165	<i>Procambarus</i> sp.		
33	<i>Palaemonetes</i> sp.		
126	<i>Gambusia</i> sp.		
slight	<i>Thiara granifera</i>		
2	<i>Marisa cornuarietis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	6	26,21,20,19,19,19
	<i>Gambusia</i> sp.	46	22,22,22,18,17,17,14,15,13,18,17,22,13,18,16,17,16,21,20,18,20,22,17,21,16
	<i>Palaemonetes</i> sp.	16	
	<i>Procambarus</i> sp.	17	
2	<i>Etheostoma fonticola</i>	2	35,17
	<i>Ictalurus Natalis</i>	1	20
	<i>Procambarus</i> sp.	59	
	<i>Palaemonetes</i> sp.	6	
	<i>Gambusia</i> sp.	40	
3	<i>Procambarus</i> sp.	20	
	<i>Gambusia</i> sp.	4	
	<i>Etheostoma fonticola</i>	1	20
	<i>Palaemonetes</i> sp.	5	
4	<i>Etheostoma fonticola</i>	3	26,14,30
	<i>Gambusia</i> sp.	5	
	<i>Procambarus</i> sp.	6	
5	<i>Etheostoma fonticola</i>	3	19,25,15
	<i>Procambarus</i> sp.	23	
	<i>Palaemonetes</i> sp.	4	
	<i>Gambusia</i> sp.	3	
6	<i>Thiara granifera</i>	slight	
	<i>Gambusia</i> sp.	8	
	<i>Procambarus</i> sp.	5	
7	<i>Etheostoma fonticola</i>	1	18
	<i>Procambarus</i> sp.	8	
	<i>Gambusia</i> sp.	6	
8	<i>Gambusia</i> sp.	4	
	<i>Procambarus</i> sp.	3	
9	<i>Marisa cornuarietis</i>	1	9
	<i>Gambusia</i> sp.	6	
	<i>Procambarus</i> sp.	2	
10	<i>Etheostoma fonticola</i>	2	28,32
	<i>Procambarus</i> sp.	7	
	<i>Palaemonetes</i> sp.	2	
	<i>Gambusia</i> sp.	2	
11	<i>Etheostoma fonticola</i>	1	16
	<i>Procambarus</i> sp.	4	
12	<i>Procambarus</i> sp.	5	
13	<i>Gambusia</i> sp.	1	
	<i>Procambarus</i> sp.	2	
14	<i>Procambarus</i> sp.	4	
15	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	1	
	<i>Marisa cornuarietis</i>	1	10

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: O2 - Site 6	
Date: 8/14/2001	Time: 1040	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: HD2 - Site 7	
Date: 8/14/2001	Time: 1055	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Poecilia latipinna</i>		
4	<i>Marisa cornuarietis</i>		
143	<i>Gambusia</i> sp.		
slight	<i>Melanoides</i>		
1	<i>Palaemonetes</i> sp.		
6	<i>Etheostoma fonticola</i>		
46	<i>Procambarus</i> sp.		
1	<i>Ictalurus natalis</i>		
1	<i>Ambloplites rupestris</i>		
2	<i>Hypostomus plecostomus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	21	15,20,27,24,25,21,21,22,18,11,23,20,22,22, 21,20,16,21,25,22,20
	<i>Ictalurus natalis</i>	1	52
	<i>Procambarus</i> sp.	1	
2	<i>Marisa cornuarietis</i>	2	35,34
	<i>Gambusia</i> sp.	12	30,20,38,16
	<i>Melanoides</i>	slight	
	<i>Procambarus</i> sp.	3	
3	<i>Gambusia</i> sp.	26	
	<i>Etheostoma fonticola</i>	1	21
	<i>Ambloplites rupestris</i>	1	55
	<i>Procambarus</i> sp.	12	
4	<i>Gambusia</i> sp.	12	
	<i>Procambarus</i> sp.	8	
5	<i>Marisa cornuarietis</i>	1	30
	<i>Gambusia</i> sp.	1	
6	<i>Procambarus</i> sp.	4	
	<i>Poecilia latipinna</i>	1	38
	<i>Gambusia</i> sp.	14	
7	<i>Procambarus</i> sp.	5	
	<i>Etheostoma fonticola</i>	3	28,29,20
	<i>Gambusia</i> sp.	10	
8	<i>Gambusia</i> sp.	16	
9	<i>Gambusia</i> sp.	11	
	<i>Procambarus</i> sp.	3	
10	<i>Procambarus</i> sp.	4	
	<i>Gambusia</i> sp.	9	
11	<i>Etheostoma fonticola</i>	1	26
	<i>Gambusia</i> sp.	3	
	<i>Procambarus</i> sp.	4	
12	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	3	
13	<i>Marisa cornuarietis</i>	1	33
	<i>Etheostoma fonticola</i>	1	32
	<i>Hypostomus plecostomus</i>	2	18,19
	<i>Gambusia</i> sp.	1	
	<i>Procambarus</i> sp.	1	
14	<i>Gambusia</i> sp.	4	
15	<i>Palaemonetes</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - SUMMER QUARTERLY SAMPLING

Location (Reach): I-35		Site: HD1 - Site 8	
Date: 8/14/2001	Time: 1135	Observer(s): MR, BK, AL	
Overall	Species	Number	Avg. Length (mm)
6	<i>Etheostoma fonticola</i>		
18	<i>Procambarus</i> sp.		
6	<i>Palaemonetes</i> sp.		
7	<i>Marisa cornuarietis</i>		
91	<i>Gambusia</i> sp.		
1	<i>Hypostomus plecostomus</i>		
slight	<i>Melanoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Marisa cornuarietis</i>	6	28,24,30,28,24,32
	<i>Gambusia</i> sp.	23	33,33,45,22,33,25,33,22,21,20,22,30,26,20,22,18,18,20,14,21,22,20,19
	<i>Etheostoma fonticola</i>	3	31,34,30
	<i>Procambarus</i> sp.	8	
	<i>Palaemonetes</i> sp.	2	
2	<i>Gambusia</i> sp.	7	30,20
	<i>Hypostomus plecostomus</i>	1	18
	<i>Procambarus</i> sp.	2	
3	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	17	
4	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	9	
5	<i>Gambusia</i> sp.	9	
	<i>Palaemonetes</i> sp.	1	
6	<i>Gambusia</i> sp.	1	
7	<i>Gambusia</i> sp.	14	
	<i>Etheostoma fonticola</i>	1	19
	<i>Palaemonetes</i> sp.	2	
8	<i>Gambusia</i> sp.	2	
	<i>Procambarus</i> sp.	2	
9	<i>Etheostoma fonticola</i>	1	31
	<i>Gambusia</i> sp.	4	
10	<i>Etheostoma fonticola</i>	1	33
	<i>Gambusia</i> sp.	2	
11	<i>Procambarus</i> sp.	1	
12	<i>Gambusia</i> sp.	2	
	<i>Procambarus</i> sp.	1	
13	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
14	<i>Marisa cornuarietis</i>	1	30
15	<i>Melanoides</i>	slight	

Fall Quarterly Sampling Event

City Park

I-35

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: HD1 - Site 1	
Date: 10/25/2001	Time: 856-926	Observer(s): EO, MR, AL	
Overall	Species	Number	Avg. Length (mm)
8	<i>Procambarus</i> sp.		
3	<i>Gambusia</i> sp.		
1	<i>Palaemonetes</i> sp.		
9	<i>Etheostoma fonticola</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	1	33
	<i>Gambusia</i> sp.	1	18
2	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	34
3	<i>Procambarus</i> sp.	1	
4	<i>Etheostoma fonticola</i>	1	34
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	16
5	<i>Etheostoma fonticola</i>	1	33
	<i>Procambarus</i> sp.	1	
6	<i>Etheostoma fonticola</i>	1	30
7	<i>Procambarus</i> sp.	1	
8	<i>Etheostoma fonticola</i>	3	36,31,26
9	No fish or crustaceans collected		
10	<i>Procambarus</i> sp.	1	
11	<i>Procambarus</i> sp.	2	
12	No fish or crustaceans collected		
13	<i>Etheostoma fonticola</i>	1	30
14	<i>Gambusia</i> sp.	1	16
15	<i>Palaemonetes</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: HD2 - Site 2	
Date: 10/25/2001	Time: 928-959	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
5	<i>Etheostoma fonticola</i>		
2	<i>Micropterus salmoides</i>		
13	<i>Procambarus</i> sp.		
3	<i>Lepomis punctatus</i>		
50	<i>Gambusia</i> sp.		
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Micropterus salmoides</i>	1	78
	<i>Gambusia</i> sp.	17	12,22,12,13,13,19,19,16,19,16,16,14,15,17,15,11,19
2	<i>Micropterus salmoides</i>	1	71
	<i>Procambarus</i> sp.	1	
	<i>Lepomis punctatus</i>	1	120
	<i>Gambusia</i> sp.	10	16,14,19,13,17,14,15,18
3	<i>Gambusia</i> sp.	4	
	<i>Procambarus</i> sp.	1	
4	<i>Lepomis punctatus</i>	1	119
	<i>Etheostoma fonticola</i>	1	33
	<i>Gambusia</i> sp.	5	
5	<i>Gambusia</i> sp.	8	
	<i>Procambarus</i> sp.	2	
6	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	2	36,35
7	<i>Gambusia</i> sp.	2	
	<i>Procambarus</i> sp.	1	
8	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	19
	<i>Gambusia</i> sp.	1	
9	<i>Lepomis punctatus</i>	1	109
	<i>Etheostoma fonticola</i>	1	36
10	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
11	No fish or crustaceans collected		
12	<i>Procambarus</i> sp.	3	
13	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
14	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
15	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: O1 Site 3	
Date: 10/25/2001	Time: 1005-1018	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
1	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	<i>Procambarus</i> sp.	1	
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: O2 - Site 4	
Date: 10/25/2001	Time: 1027-1034	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: H2 - Site 5	
Date: 10/25/2001	Time: 1038-1106	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
1	<i>Gambusia</i> sp.		
1	<i>Palaemonetes</i> sp.		
3	<i>Etheostoma fonticola</i>		
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	1	18
	<i>Gambusia</i> sp.	1	13
2	No fish or crustaceans collected		
3	<i>Palaemonetes</i> sp.	1	
4	No fish or crustaceans collected		
5	<i>Thiara granifera</i>	slight	
6	No fish or crustaceans collected		
7	<i>Etheostoma fonticola</i>	2	19,19
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: H1 - Site 6	
Date: 10/25/2001	Time: 1107-1140	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
5	<i>Ambloplites rupestris</i>		
10	<i>Procambarus</i> sp.		
10	<i>Gambusia</i> sp.		
24	<i>Palaemonetes</i> sp.		
5	<i>Etheostoma fonticola</i>		
slight	<i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Ambloplites rupestris</i>	3	160,91,69
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	5	40,36,35,20,18,9
	<i>Palaemonetes</i> sp.	12	
2	<i>Etheostoma fonticola</i>	2	33,35
	<i>Gambusia</i> sp.	4	16,11,13,14
3	<i>Ambloplites rupestris</i>	1	65
	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	1	21
	<i>Palaemonetes</i> sp.	2	
4	<i>Palaemonetes</i> sp.	1	
5	<i>Ambloplites rupestris</i>	1	272
	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i> sp.	5	
6	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i> sp.	1	
7	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i> sp.	2	
8	<i>Palaemonetes</i> sp.	1	
9	<i>Etheostoma fonticola</i>	2	36,38
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	<i>Etheostoma fonticola</i>	1	31
13	No fish or crustaceans collected		
14	<i>Procambarus</i> sp.	1	
15	<i>Thiara granifera</i>	slight	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: PH1 Site 7	
Date: 10/25/2001	Time: 1142-1211	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
1	<i>Etheostoma fonticola</i>		
36	<i>Gambusia</i> sp.		
4	<i>Procambarus</i> sp.		
3	<i>Micropterus salmoides</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Micropterus salmoides</i>	1	84
	<i>Gambusia</i> sp.	7	40,35,26,32,16,18,24
	<i>Procambarus</i> sp.	1	
2	<i>Gambusia</i> sp.	2	27,27
	<i>Procambarus</i> sp.	1	
3	<i>Gambusia</i> sp.	1	38
4	<i>Micropterus salmoides</i>	1	88
	<i>Gambusia</i> sp.	2	41,46
5	<i>Gambusia</i> sp.	8	29,31,27,21,30,18,24,21
6	<i>Gambusia</i> sp.	2	12,11
7	<i>Micropterus salmoides</i>	1	109
	<i>Gambusia</i> sp.	1	31
8	No fish or crustaceans collected		
9	<i>Etheostoma fonticola</i>	1	34
	<i>Gambusia</i> sp.	4	30,34,26,20
	<i>Procambarus</i> sp.	1	
10	No fish or crustaceans collected		
11	<i>Gambusia</i> sp.	1	
12	<i>Gambusia</i> sp.	1	
13	No fish or crustaceans collected		
14	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	2	
15	<i>Gambusia</i> sp.	5	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER -FALL 2001 QUARTERLY SAMPLING

Location (Reach): City Park		Site: PH2 - Site 8	
Date: 10/25/2001	Time: 1217-1239	Observer(s): EO, MR, AL, BK	
Overall	Species	Number	Avg. Length (mm)
1	<i>Lepomis punctatus</i>		
8	<i>Etheostoma fonticola</i>		
1	<i>Astyanax mexicanus</i>		
2	<i>Palaemonetes</i> sp.		
4	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Astyanax mexicanus</i>	1	60
	<i>Palaemonetes</i> sp.	1	
2	No fish or crustaceans collected		
3	<i>Etheostoma fonticola</i>	1	37
4	<i>Etheostoma fonticola</i>	1	28
5	<i>Procambarus</i> sp.	1	
6	<i>Etheostoma fonticola</i>	1	19
7	<i>Etheostoma fonticola</i>	1	18
8	<i>Etheostoma fonticola</i>	1	31
	<i>Procambarus</i> sp.	1	
9	<i>Etheostoma fonticola</i>	1	32
10	<i>Lepomis punctatus</i>	1	120
11	<i>Palaemonetes</i>	1	
12	No fish or crustaceans collected		
13	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	37
14	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	31
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: H1 - Site 1	
Date: 10/26/2001	Time: 920-942	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Etheostoma fonticola</i>		
1	<i>Lepomis punctatus</i>		
14	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	1	35
	<i>Procambarus</i> sp.	1	
2	<i>Lepomis punctatus</i>	1	82
	<i>Procambarus</i> sp.	2	
3	<i>Procambarus</i> sp.	3	
4	<i>Procambarus</i> sp.	2	
5	No fish or crustaceans collected		
6	<i>Procambarus</i> sp.	1	
7	No fish or crustaceans collected		
8	<i>Procambarus</i> sp.	2	
9	<i>Procambarus</i> sp.	1	
10	<i>Procambarus</i> sp.	1	
11	No fish or crustaceans collected		
12	<i>Procambarus</i> sp.	1	
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		
	** <i>Thiara</i> - slight		
	** <i>Corbicula</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: HD2 - Site 2	
Date: 10/26/2001	Time: 945-1003	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	<i>Procambarus</i> sp.		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: C1-Site 3	
Date: 10/26/2001	Time: 1015-1050	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
13	<i>Etheostoma fonticola</i>		
34	<i>Gambusia</i> sp.		
5	<i>Lepomis</i> sp.		
5	<i>Lepomis auritus</i>		
10	<i>Procambarus</i> sp.		
6	<i>Palaemonetes</i> sp.		
1	<i>Notropis chalybaeus</i>		
1	<i>Lepomis megalotis</i>		
1	<i>Marisa cornuarietis</i>		
5	<i>Lepomis punctatus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	1	28
	<i>Gambusia</i> sp.	9	22,18,18,17,21,16,19,12,18
	<i>Lepomis</i> sp.	2	24,28
	<i>Lepomis auritus</i>	1	44
2	<i>Lepomis punctatus</i>	1	72
	<i>Lepomis auritus</i>	2	44,41
	<i>Gambusia</i> sp.	12	20,26,17,16,17,11,20,28,16,26,22,23
	<i>Etheostoma fonticola</i>	1	26
	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	2	
3	<i>Gambusia</i> sp.	3	27,20,25
	<i>Etheostoma fonticola</i>	4	31,34,38,30
	<i>Lepomis</i> sp.	1	16
4	<i>Notropis chalybaeus</i>	1	58
	<i>Lepomis megalotis</i>	1	40
	<i>Gambusia</i> sp.	2	34
	<i>Lepomis</i> sp.	1	33
	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	1	
5	<i>Etheostoma fonticola</i>	4	31,30,32,24
	<i>Lepomis punctatus</i>	1	73
	<i>Gambusia</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Dip net sweep	Species	Number	Length (mm)
6	<i>Lepomis</i> sp.	1	30
	<i>Gambusia</i> sp.	2	
	<i>Palaemonetes</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	26
7	<i>Lepomis punctatus</i>	1	70
	<i>Etheostoma fonticola</i>	2	33,34
8	<i>Lepomis auritus</i>	1	36
	<i>Gambusia</i> sp.	2	
9	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	2	
10	<i>Procambarus</i> sp.	1	
11	<i>Procambarus</i> sp.	1	
12	<i>Procambarus</i> sp.	2	
13	<i>Procambarus</i> sp.	1	
14	<i>Lepomis auritus</i>	1	46
	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i> sp.	1	
15	<i>Marisa cornuarietis</i>	1	33
	<i>Gambusia</i> sp.	1	
	<i>Palaemonetes</i> sp.	1	
	** <i>Corbicula</i> - slight		
	** <i>Thiara</i> - slight		
	** <i>Melanoides</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: C2 - Site 4	
Date: 10/26/2001	Time: 1051-1125	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
5	<i>Lepomis punctatus</i>		
40	<i>Gambusia</i> sp.		
13	<i>Etheostoma fonticola</i>		
30	<i>Procambarus</i> sp.		
1	<i>Lepomis</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	19	
	<i>Lepomis punctatus</i>	3	104,90,68
	<i>Etheostoma fonticola</i>	8	33,21,32,24,30,33,21,23
	<i>Gambusia</i> sp.	21	10,12,27,36,23,17,11,16,36,13,13,25,12,13, 16,15,14,16,15,12,15
	<i>Lepomis</i> sp.	1	20
2	<i>Lepomis punctatus</i>	1	81
	<i>Gambusia</i> sp.	4	30,32,27,22
	<i>Etheostoma fonticola</i>	1	31
	<i>Procambarus</i> sp.	1	
3	<i>Procambarus</i> sp.	2	
	<i>Lepomis punctatus</i>	1	73
	<i>Gambusia</i> sp.	2	
4	<i>Procambarus</i> sp.	4	
	<i>Etheostoma fonticola</i>	1	17
	<i>Gambusia</i> sp.	3	
5	<i>Gambusia</i> sp.	2	
6	<i>Etheostoma fonticola</i>	1	30
	<i>Gambusia</i> sp.	3	
	<i>Procambarus</i> sp.	1	
7	<i>Procambarus</i> sp.	1	
8	<i>Etheostoma fonticola</i>	1	18
9	<i>Procambarus</i> sp.	1	
	<i>Etheostoma fonticola</i>	1	31
	<i>Gambusia</i> sp.	4	
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	<i>Procambarus</i> sp.	1	
14	<i>Gambusia</i> sp.	1	
15	No fish or crustaceans collected		
	**Thiara - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: H2 - Site 5	
Date: 10/26/2001	Time: 1128-1150	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
9	<i>Etheostoma fonticola</i>		
30	<i>Procambarus</i> sp.		
7	<i>Palaemonetes</i> sp.		
107	<i>Gambusia</i> sp.		
1	<i>Marisa cornuarietis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	40	18,38,28,21,32,31,38,28,21,30,16,20,21,20, 18,20,20,17,18,35,20,21,18,16,21 33,21
	<i>Etheostoma fonticola</i>	2	
	<i>Palaemonetes</i> sp.	5	
	<i>Procambarus</i> sp.	7	
2	<i>Procambarus</i> sp.	3	
	<i>Etheostoma fonticola</i>	1	16
	<i>Gambusia</i> sp.	42	
3	<i>Etheostoma fonticola</i>	1	22
	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	4	
4	<i>Gambusia</i> sp.	7	
5	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	2	
6	<i>Etheostoma fonticola</i>	1	17
	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	3	
7	<i>Marisa cornuarietis</i>	1	11
	<i>Procambarus</i> sp.	5	
	<i>Etheostoma fonticola</i>	2	31,35
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	2	
8	<i>Etheostoma fonticola</i>	1	22
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	2	
9	<i>Etheostoma fonticola</i>	1	16
	<i>Procambarus</i> sp.	2	
10	<i>Procambarus</i> sp.	4	
	<i>Gambusia</i> sp.	2	
11	No fish or crustaceans collected		
12	<i>Gambusia</i> sp.	2	
	<i>Procambarus</i> sp.	1	
13	<i>Gambusia</i> sp.	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		
	** <i>Thiara</i> - slight		
	** <i>Melanoides</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: O2 - Site 6	
Date: 10/26/2001	Time: 1156-1205	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
slight slight	<i>Corbicula</i> <i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	<i>Corbicula</i>	slight	
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	<i>Thiara granifera</i>	slight	
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: O1 Site 7	
Date: 10/26/2001	Time: 1210-1218	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
slight slight	<i>Corbicula</i> <i>Thiara granifera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - FALL 2001 QUARTERLY SAMPLING

Location (Reach): I-35		Site: HD1 - Site 8	
Date: 10/26/2001	Time: 1223-1242	Observer(s): MR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
27	<i>Procambarus</i> sp.		
3	<i>Palaemonetes</i> sp.		
1	<i>Marisa cornuarietis</i>		
51	<i>Gambusia</i> sp.		
2	<i>Lepomis macrochirus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	10	44,31,31,16,21,12,13,36,20,18
	<i>Palaemonetes</i> sp.	1	
2	<i>Gambusia</i> sp.	12	48,44,13,12,16,33,32,21,17,22,26,19
	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i> sp.	2	
3	<i>Procambarus</i> sp.	7	
	<i>Lepomis macrochirus</i>	1	70
	<i>Gambusia</i> sp.	4	45,17,26
4	<i>Lepomis macrochirus</i>	1	55
	<i>Procambarus</i> sp.	3	
5	<i>Procambarus</i> sp.	6	
	<i>Gambusia</i> sp.	13	
6	<i>Gambusia</i> sp.	4	
7	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	3	
8	<i>Gambusia</i> sp.	1	
9	<i>Procambarus</i> sp.	2	
10	<i>Gambusia</i> sp.	1	
11	<i>Marisa cornuarietis</i>	1	31
12	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
13	<i>Procambarus</i> sp.	1	
14	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	
15	<i>Gambusia</i> sp.	1	
	** <i>Thiara</i> - slight		
	** <i>Corbicula</i> - slight		

High-Flow Quarterly Sampling Event

City Park

I-35

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: HD1 - Site 1	
Date: 12/6/2001	Time: 914-937	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Procambarus</i> sp.		
2	<i>Palaemonetes</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	<i>Palaemonetes</i> sp.	2	
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	<i>Procambarus</i> sp.	1	
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: O1 Site 2	
Date: 12/6/2001	Time: 939-947	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected	slight	
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	<i>Thiara granifera</i>		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
**Thiara - slight			

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: O2 - Site 3	
Date: 12/6/2001	Time: 951-959	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: HD2 - Site 4	
Date: 12/6/2001	Time: 1004-1024	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
2	<i>Etheostoma fonticola</i>		
3	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	<i>Procambarus</i> sp.	1	
5	<i>Thiara granifera</i>	slight	
6	<i>Etheostoma fonticola</i>	1	32
	<i>Procambarus</i> sp.	1	
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	<i>Procambarus</i> sp.	1	
15	<i>Etheostoma fonticola</i>	1	31
	** <i>Thiara</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: H1 - Site 5	
Date: 12/6/2001	Time: 1030-1104	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
5	<i>Ambloplites rupestris</i>		
5	<i>Procambarus</i> sp.		
2	<i>Gambusia</i> sp.		
4	<i>Palaemonetes</i> sp.		
2	<i>Etheostoma fonticola</i>		
3	<i>Lepomis</i> sp.		
2	<i>Cichlasoma cyanoguttatum</i>		
1	<i>Lepomis auitus</i>		
1	<i>Etheostoma lepidum</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Lepomis</i> sp.	1	38
	<i>Palaemonetes</i> sp.	1	
2	<i>Ambloplites rupestris</i>	3	240,130,85
	<i>Cichlasoma cyanoguttatum</i>	1	43
	<i>Lepomis</i> sp.	1	45
	<i>Palaemonetes</i> sp.	1	
	<i>Gambusia</i> sp.	1	17
3	No fish or crustaceans collected		
4	<i>Etheostoma lepidum</i>	1	41
	<i>Cichlasoma cyanoguttatum</i>	1	102
5	<i>Ambloplites rupestris</i>	1	125
	<i>Etheostoma fonticola</i>	1	36
6	<i>Ambloplites rupestris</i>	1	84
	<i>Palaemonetes</i> sp.	1	
	<i>Procambarus</i> sp.	1	
7	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	1	25
8	<i>Lepomis</i> sp.	1	146
	<i>Etheostoma fonticola</i>	1	32
9	<i>Lepomis auitus</i>	1	157
	<i>Palaemonetes</i> sp.	1	
10	<i>Procambarus</i> sp.	1	
11	<i>Procambarus</i> sp.	1	
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		
15	No fish or crustaceans collected		
	** <i>Thiara</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: H2 - Site 6	
Date: 12/6/2001	Time: 1107-1132	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Palaemonetes</i> sp.		
1	<i>Lepomis punctatus</i>		
4	<i>Etheostoma fonticola</i>		
1	<i>Lepomis macrochirus</i>		
5	<i>Procambarus</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Lepomis macrochirus</i>	1	44
	<i>Palaemonetes</i> sp.	1	
2	<i>Procambarus</i> sp.	1	
3	<i>Lepomis punctatus</i>	1	127
	<i>Etheostoma fonticola</i>	2	25,24
	<i>Procambarus</i> sp.	2	
4	<i>Etheostoma fonticola</i>	1	37
5	<i>Etheostoma fonticola</i>	1	34
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	<i>Procambarus</i> sp.	2	
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		
	** <i>Thiara</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: PH2 - Site 7	
Date: 12/6/2001	Time: 1139-1200	Observer(s): EO, TR, AL	
Overall	Species	Number	Avg. Length (mm)
2	<i>Gambusia sp.</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia sp.</i>	1	35
2	<i>Thiara sp.</i>	slight	
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	<i>Gambusia sp.</i>	1	25
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		
** <i>Thiara sp.</i> - slight			

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): City Park		Site: PH1 Site 8	
Date: 12/6/2001	Time: 1206-1219	Observer(s): EO, TR, AL	
Overall		Number	Avg. Length (mm)
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: C2 - Site 1	
Date: 12/7/2001	Time: 840-925	Observer(s): TR, EO, AL	

Overall	Species	Number	Avg. Length (mm)
29	<i>Lepomis punctatus</i>		
113	<i>Gambusia</i> sp.		
6	<i>Etheostoma fonticola</i>		
19	<i>Procambarus</i> sp.		
4	<i>Lepomis</i> sp.		
5	<i>Lepomis gulosus</i>		
3	<i>Lepomis auritus</i>		
27	<i>Palaemonetes</i>		
2	<i>Lepomis macrochirus</i>		
1	<i>Moxostoma congestum</i>		
1	<i>Micropterus salmoides</i>		

Dip net sweep	Species	Number	Length (mm)	
1	<i>Lepomis gulosus</i>	2	193,41	
	<i>Procambarus</i> sp.	2		
	<i>Etheostoma fonticola</i>	3	35,34,35	
	<i>Lepomis punctatus</i>	1	100	
	<i>Lepomis auritus</i>	3	34,34,26	
	<i>Gambusia</i> sp.	36	26,24,21,22,19,26,16,26,29,30,19,26,17,28,29,27,17,21,20,20,22,26,21,21,22	
	<i>Palaemonetes</i>	8		
	<i>Lepomis</i> sp.	3	32,28,22	
	2	<i>Lepomis gulosus</i>	1	243
		<i>Lepomis punctatus</i>	4	91,90,46,31
<i>Gambusia</i> sp.		8		
<i>Palaemonetes</i>		4		
3		<i>Lepomis punctatus</i>	6	122,85,80,38,30,31
	<i>Gambusia</i> sp.	26		
	<i>Procambarus</i> sp.	2		
	<i>Palaemonetes</i>	3		
	4	<i>Lepomis punctatus</i>	4	69,58,90,56
<i>Lepomis gulosus</i>		1	47	
<i>Lepomis</i> sp.		1	28	
<i>Gambusia</i> sp.		17		
<i>Palaemonetes</i>		4		
5		<i>Lepomis punctatus</i>	4	100,50,45,45
	<i>Etheostoma fonticola</i>	1	34	
	<i>Procambarus</i> sp.	1		
	<i>Palaemonetes</i>	3		
	6	<i>Procambarus</i> sp.	2	
<i>Lepomis macrochirus</i>		1	35	
<i>Lepomis punctatus</i>		2	80,68	
<i>Etheostoma fonticola</i>		1	29	
<i>Gambusia</i> sp.		11		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - WINTER QUARTERLY SAMPLING

Dip net sweep	Species	Number	Length (mm)
7	<i>Lepomis gulosus</i>	1	251
	<i>Lepomis punctatus</i>	3	80,50,48
	<i>Etheostoma fonticola</i>	1	32
	<i>Procambarus</i> sp.	1	
	<i>Lepomis macrochirus</i>	1	31
	<i>Gambusia</i> sp.	3	
8	<i>Moxostoma congestum</i>	1	420
	<i>Micropterus salmoides</i>	1	48
	<i>Procambarus</i> sp.	3	
	<i>Gambusia</i> sp.	5	
	<i>Palaemonetes</i>	3	
9	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i>	2	
	<i>Gambusia</i> sp.	1	
10	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	6	
11	<i>Lepomis punctatus</i>	1	42
	<i>Procambarus</i> sp.	1	
12	<i>Procambarus</i> sp.	2	
	<i>Lepomis punctatus</i>	1	41
13	<i>Lepomis punctatus</i>	1	38
14	<i>Lepomis punctatus</i>	1	65
	<i>Procambarus</i> sp.	1	
15	<i>Lepomis punctatus</i>	1	77
	**Corbicula		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: C3-Site 2	
Date: 12/7/2001	Time: 933-959	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
4	<i>Etheostoma fonticola</i>		
2	<i>Gambusia</i> sp.		
34	<i>Procambarus</i> sp.		
5	<i>Palaemonetes</i>		
5	<i>Notropis chalybaeus</i>		
1	<i>Lepomis punctatus</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Procambarus</i> sp.	2	
	<i>Notropis chalybaeus</i>	3	32,53,51
2	<i>Gambusia</i> sp.	1	22
	<i>Palaemonetes</i>	2	
	<i>Procambarus</i> sp.	3	
3	<i>Procambarus</i> sp.	5	
	<i>Lepomis punctatus</i>	1	82
	<i>Palaemonetes</i>	1	
4	<i>Notropis chalybaeus</i>	2	53,49
5	<i>Etheostoma fonticola</i>	1	37
	<i>Procambarus</i> sp.	2	
6	<i>Procambarus</i> sp.	3	
7	<i>Procambarus</i> sp.	3	
8	<i>Procambarus</i> sp.	1	
9	<i>Procambarus</i> sp.	1	
10	<i>Procambarus</i> sp.	2	
11	<i>Etheostoma fonticola</i>	3	30,29,17
	<i>Procambarus</i> sp.	1	
	<i>Gambusia</i> sp.	1	11
12	<i>Procambarus</i> sp.	4	
	<i>Palaemonetes</i>	1	
13	<i>Palaemonetes</i>	1	
	<i>Procambarus</i> sp.	2	
14	<i>Procambarus</i> sp.	5	
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: H1 - Site 3	
Date: 12/7/2001	Time: 1004-1030	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
12	<i>Etheostoma fonticola</i>		
57	<i>Procamburus</i> sp.		
16	<i>Palaemonetes</i>		
1	<i>Ambloplites rupestris</i>		
15	<i>Gambusia</i> sp.		
Dip net sweep	Species	Number	Length (mm)
1	<i>Etheostoma fonticola</i>	4	33,34,34,36
	<i>Palaemonetes</i>	12	
	<i>Procamburus</i> sp.	25	
2	<i>Etheostoma fonticola</i>	4	25,36,19,17
	<i>Procamburus</i> sp.	13	
	<i>Palaemonetes</i>	4	
3	<i>Ambloplites rupestris</i>	1	45
	<i>Procamburus</i> sp.	3	
	<i>Gambusia</i> sp.	1	26
4	<i>Procamburus</i> sp.	4	
	<i>Etheostoma fonticola</i>	1	19
5	<i>Procamburus</i> sp.	2	
	<i>Gambusia</i> sp.	1	26
6	<i>Procamburus</i> sp.	1	
	<i>Gambusia</i> sp.	1	20
	<i>Etheostoma fonticola</i>	1	17
7	<i>Etheostoma fonticola</i>	1	30
	<i>Procamburus</i> sp.	1	
	<i>Gambusia</i> sp.	2	22,15
8	<i>Procamburus</i> sp.	5	
	<i>Gambusia</i> sp.	3	25,28,30
9	<i>Gambusia</i> sp.	2	23,21
10	<i>Gambusia</i> sp.	1	24
11	No fish or crustaceans collected		
12	<i>Gambusia</i> sp.	1	22
	<i>Procamburus</i> sp.	1	
13	<i>Etheostoma fonticola</i>	1	16
	<i>Procamburus</i> sp.	1	
14	<i>Gambusia</i> sp.	3	22,23,25
15	<i>Procamburus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: H4 - Site 4	
Date: 12/7/2001	Time: 1033-1058	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
6	<i>Etheostoma fonticola</i>		
29	<i>Procambarus</i> sp.		
8	<i>Palaemonetes</i>		
28	<i>Gambusia</i> sp.		
1	<i>Marisa cornuarietis</i>		
1	<i>Ambloplites rupestris</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	12	21,21,22,24,28,23,15,17,13,16,16,16
	<i>Etheostoma fonticola</i>	2	28,35
	<i>Palaemonetes</i>	5	
	<i>Procambarus</i> sp.	2	
2	<i>Etheostoma fonticola</i>	1	38
	<i>Gambusia</i> sp.	1	22
	<i>Procambarus</i> sp.	7	
3	<i>Ambloplites rupestris</i>	1	48
	<i>Etheostoma fonticola</i>	1	38
	<i>Procambarus</i> sp.	1	
4	<i>Gambusia</i> sp.	5	29,29,18,16,21
	<i>Procambarus</i> sp.	3	
5	<i>Gambusia</i> sp.	1	16
	<i>Procambarus</i> sp.	2	
6	<i>Etheostoma fonticola</i>	1	33
	<i>Gambusia</i> sp.	1	25
	<i>Procambarus</i> sp.	4	
7	<i>Etheostoma fonticola</i>	1	35
	<i>Palaemonetes</i>	1	
8	<i>Procambarus</i> sp.	3	
9	<i>Gambusia</i> sp.	2	32,21
	<i>Procambarus</i> sp.	3	
10	<i>Gambusia</i> sp.	2	35,28
	<i>Palaemonetes</i>	1	
11	<i>Gambusia</i> sp.	2	36,22
12	<i>Procambarus</i> sp.	1	
	<i>Palaemonetes</i>	1	
13	<i>Gambusia</i> sp.	1	
14	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	1	
15	<i>Marisa cornuarietis</i>	1	31
	<i>Procambarus</i> sp.	1	

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: HD1 - Site 5	
Date: 12/7/2001	Time: 1058-1116	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Cyprinella venusta</i>		
6	<i>Procambarus</i> sp.		
1	<i>Palaemonetes</i>		
1	<i>Marisa cornuarietis</i>		
1	<i>Gambusia</i> sp.		
6	<i>Etheostoma fonticola</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Cyprinella venusta</i>	1	58
	<i>Procambarus</i> sp.	2	
2	<i>Etheostoma fonticola</i>	1	35
	<i>Palaemonetes</i>	1	
3	<i>Marisa cornuarietis</i>	1	39
	<i>Etheostoma fonticola</i>	3	25,29,29
	<i>Procambarus</i> sp.	1	
4	<i>Procambarus</i> sp.	1	
5	<i>Thiara granifera</i>	slight	
6	<i>Etheostoma fonticola</i>	1	33
7	<i>Procambarus</i> sp.	1	
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	<i>Gambusia</i> sp.	1	33
	<i>Etheostoma fonticola</i>	1	32
14	<i>Procambarus</i> sp.	1	
15	No fish or crustaceans collected		
	** <i>Thiara</i> - slight		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: O1 Site 6	
Date: 12/7/2001	Time: 1120-1130	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
5	<i>Cyprinella venusta</i>		
4	<i>Notropis amabilis</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Notropis amabilis</i>	4	62,68,50,65
	<i>Cyprinella venusta</i>	5	50,54,56,61,66
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	No fish or crustaceans collected		
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: HD3 - Site 7	
Date: 12/7/2001	Time: 1134-1155	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Etheostoma fonticola</i>		
14	<i>Procambarus</i> sp.		
12	<i>Palaemonetes</i>		
11	<i>Gambusia</i> sp.		
2	<i>Lepomis punctatus</i>		
3	<i>Ambloplites rupestris</i>		
Dip net sweep	Species	Number	Length (mm)
1	<i>Gambusia</i> sp.	3	16,19,15
	<i>Procambarus</i> sp.	2	
2	<i>Procambarus</i> sp.	2	
	<i>Gambusia</i> sp.	1	24
	<i>Palaemonetes</i>	2	
3	<i>Lepomis punctatus</i>	1	59
	<i>Palaemonetes</i>	4	
	<i>Procambarus</i> sp.	1	
4	<i>Ambloplites rupestris</i>	2	77,70
	<i>Procambarus</i> sp.	3	
5	<i>Lepomis punctatus</i>	1	52
	<i>Ambloplites rupestris</i>	1	67
	<i>Gambusia</i> sp.	1	17
6	No fish or crustaceans collected		
7	<i>Gambusia</i> sp.	4	23,16,19,21
8	<i>Palaemonetes</i>	1	
	<i>Gambusia</i> sp.	2	19,21
9	<i>Procambarus</i> sp.	2	
10	<i>Procambarus</i> sp.	2	
	<i>Palaemonetes</i>	3	
	<i>Etheostoma fonticola</i>	1	15
11	No fish or crustaceans collected		
12	<i>Procambarus</i> sp.	1	
13	<i>Palaemonetes</i>	2	
	<i>Procambarus</i> sp.	1	
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		

DROP NET - FIELD DATA SHEETS
SAN MARCOS RIVER - HIGH FLOW EVENT #2 SAMPLING

Location (Reach): I-35		Site: O3 - Site 8	
Date: 12/7/2001	Time: 1158-1211	Observer(s): TR, EO, AL	
Overall	Species	Number	Avg. Length (mm)
1	<i>Percina sciera</i>		
Dip net sweep	Species	Number	Length (mm)
1	No fish or crustaceans collected		
2	No fish or crustaceans collected		
3	No fish or crustaceans collected		
4	No fish or crustaceans collected		
5	No fish or crustaceans collected		
6	No fish or crustaceans collected		
7	No fish or crustaceans collected		
8	No fish or crustaceans collected		
9	No fish or crustaceans collected		
10	<i>Percina sciera</i>	1	82
11	No fish or crustaceans collected		
12	No fish or crustaceans collected		
13	No fish or crustaceans collected		
14	No fish or crustaceans collected		
15	No fish or crustaceans collected		