

DEVILS RIVER 2004
28-Jul-04

crew location	RKB/JLH	GPG/KRA	CN/JT	RKB/JLH	CN/JT	GPG/KRA	RKB/JLH	CN/JT	GPG/KRA	RKB/JLH	CN/JT	GPG/KRA	CN/JT	RKB/JLH	GPG/KRA	CN/JT					
& time	29.89422 101.0954 800-822	29.88534 101.0847 820-840	29.89058 101.0893 820-900	29.88157 101.0775 920-946	29.88431 101.07 955-1020	29.89121 101.0663 1005-1020	29.89861 101.0617 1050-1115	29.90247 101.0536 1125-1150	29.90691 101.0389 1220-1250	29.90548 101.045 1230-1250	29.90556 101.0299 1300-1330										
#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)				
<i>Lepisosteus oculatus</i>																					
<i>Lepisosteus osseus</i>																					
<i>Astyanax mexicanus</i>		8	16-40	9	15, 37-58			5	43-62	14	20-66			2	43, 55		1	33			
<i>Camptostoma anomalum</i>																					
<i>Cyprinus carpio</i>																					
<i>Cyprinella proserpina</i>				13	19-35	1	25														
<i>Cyprinella venusta</i>	16	37-52, 81	10	42-63	90	32-75	9	14-29	44	36-72	12	19-51	32	40-70	14	17-45	3	42, 44, 53	12	41-57	
<i>Dionda argentosa</i>		2	18, 23	26	21-38			3	30,35,37					10	20-33	15	29-39			14	16-46
<i>Dionda diaboli</i>	1	34	29	22-33	3	30, 30, 31	5	21-28	48	20-27	5	22-34		141	26-46					158	17-47
<i>Notropis amabilis</i>	2	41, 48	9	37-57	19	16-42			11	28-42	110	16-48		26	29-44	49	30-50				
<i>Notropis stramineus</i>										1	40			10	34-40	1	37				
<i>Pimephales vigilax</i>																					
<i>Carpionodes carpio</i>																					
<i>Ictiobus bubalus</i>																					
<i>Moxostoma congestum</i>																					
<i>Ameiurus melas</i>																					
<i>Ameiurus natalis</i>																					
<i>Ictalurus furcatus</i>																					
<i>Ictalurus lupus</i>																					
<i>Ictalurus punctatus</i>																					
<i>Pylodictis olivaris</i>																					
<i>Cyprinodon eximius</i>																					
<i>Gambusia geiseri</i>																					
<i>Gambusia speciosa</i>				23	17-27	1	14										28	17-38	1	13	
<i>Lepomis auritus</i>				3	18, 23, 24					1	27	7	19-40			2	28, 33	7	57-69		
<i>Lepomis cyanellus</i>																					
<i>Lepomis megalotis</i>		1	24	1	20					2	53, 67			1	86		8	50-64	1	79	
<i>Lepomis macrochirus</i>																					
<i>Micropterus dolomieu</i>	1	70		1	81	1	53	3	65, 76, 305						1	83			3	67,69,94	
<i>Micropterus salmoides</i>				1	63					1	62			2	55, 72	2	43, 53	2	53, 90	9	42-78
<i>Etheostoma grahami</i>		1	31	3	27, 30, 34	1	26							1	27						
<i>Cichlasoma cyanoguttatum</i>		25	17-64			9	16-28	1	31	22	17-30,59,111	2	68, 70	5	17-26		2	17, 17	2	20, 68	
<i>Oreochromis aureus</i>														1	37		1	37			

stream width (m)	75	45	25	40	35	100	50	50	125	60	20
stream depth (m)	1.5	0.33	0.5		1.00	0.33	1.20		0.75	0.2-0.5	0.33-1
flow (m/s)	0			0.58			0.21		0.32		
temp (°C)			25.35		25.82			27.4			27.9
substrate (1-7)	6	4,5	1,6,7	6	7	1,4	7	7	7	2,7	
vegetation type (*)	1	1/4	1/3	1	3	1/4	1	3/4	1/3	1	3/4
vegetation density (% cover)	25	10/100	75	5	3	10/80	3	100	20	1	

0 = none
1 = emergent macrophyte
2 = filamentous algae
3 = submerged macrophyte
4 = Chara

DO (mg/L)			7.42		7.41			8.23		11.2
TDS (ppt)			0.264		0.255			0.2449		0.2456
pH			7.97		8			8.01		8.12

Jarrett Ranch
to Dolan Falls

CN/JT	GPG/KRA	RKB/JLH	CN/JT	GPG/KRA	RKB/JLH	RJE et al.
					Blue Hole	Dolan mouth
29.90556	29.90291	29.90384	29.90364	29.90041	29.89326	29.88536
101.0299	101.0216	101.0109	101.0043	100.9983	100.9944	100.9938
1300-1330	1340-1400	1410-1432	1440-1510	1455-1515	1530-1550	1610-1640

#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)
												34	37-63
		16	18-40					8	25-43			2	53, 58
2	47, 51	45	16-56	37	16-41	25	31-53	27	17-42			326	22-90
				19	27-41	33	28-42	40	18-55	102	17-32	496	23-61
						111	27-47					1	50
						2	36, 41	310	15-40			6	41-44
		1	35					4	26-37				
												13	58-90
												3	58-90
												1	35
		4	20-36	47	15-35			3	20,22,26	16	15-24	26	15-28
		1	35	3	23, 47, 50								
						4	34-45						
3	65,76,74	1	62			2	71, 71					1	72
						5	51-103					5	43-97
				1	28							6	28-43
				1	20							3	25, 27, 28

25	150	60	20	30	-
0.1-0.5	1.50	1.00	0.16	0.50	-
	0.09				1.29
		28.14			
2,7	4,5	6,7	2,7	3,4,5	4,7
0	1/3	1/3	0	1/3	1/2
	10	30/20		50	10/10

9.31	9.43
0.2456	0.246
8.12	8.1