

DEVILS RIVER 2004
29-Jul-04

crew	RJE/KRA	RKB/JH	RJE/KRA	CN/JT	RKB/JH	RJE/KRA	CN/JT	RKB/JH	RKB/JH Blue Sage	GPG et al. Pafford's xing	Unmack et al. Pafford's xing												
location	29.87379 100.993	29.86277 100.9974	29.84953 101.0054	29.83828 101.0118	29.833 101.0218	29.82286 101.0265	29.81825 101.0249	29.80909 101.0258	29.80639 101.0107	29.67565 101.0018													
& time	820-840	851-914	925-940	955-1020	1036-1100	1150-1210	1200-1230	1220-1249	1312-	1045-1130	1045-1130												
	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)	#	(size)											
<i>Lepisosteus oculatus</i>																							
<i>Lepisosteus osseus</i>																							
<i>Astyanax mexicanus</i>			13	19-60	14	50-66			1	56													
<i>Camptostoma anomalum</i>									1	66													
<i>Cyprinus carpio</i>																							
<i>Cyprinella lutrensis</i>											31	20-36											
<i>Cyprinella proserpina</i>	2	27-30	1	27	3	22,30,36	34	22-53			42	15-35	2	36, 43	11	20-41	62	28-40	53	21-44			
<i>Cyprinella venusta</i>	5	37-45	32	37-54	4	27-41	67	17-66	5	19-23	61	21-62	79	15-50	5	38-55	50	25-85	13	24-46	82	22-76	
<i>Dionda argentosa</i>					137	29-48	8	21-47							5	33-45			18	24-42, 51	2	35, 41	
<i>Dionda diaboli</i>							3	44,47,51															
<i>Notropis amabilis</i>	84	21-38	56	24-42	40	33-48	52	17-49	94	16-42	18	15-43	1	40	3	23,36,37	85	20-43			67	20-48	
<i>Notropis stramineus</i>					24	12-48	5	21-46											49	17-44	14	20-46	
<i>Pimephales vigilax</i>																							
<i>Carpionodes carpio</i>																							
<i>Ictiobus bubalus</i>																							
<i>Moxostoma congestum</i>					2	55, 68															1	73	
<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>					24	17-30				2	13, 21	9	18-29						17	20-36	39	18-38	
<i>Menidia beryllina</i>																			2	38, 57	27	37-55	
<i>Lepomis auritus</i>			1	35					2	17, 77	1	78	2	70, 71							4	47-77	
<i>Lepomis cyanellus</i>																							
<i>Lepomis megalotis</i>																					1	77	
<i>Lepomis macrochirus</i>																							
<i>Micropterus dolomieu</i>							2	178, 229			2	57, 73											
<i>Micropterus salmoides</i>							1	279			1	210			1	91			2	45, 46			
<i>Etheostoma grahami</i>																							
<i>Cichlasoma cyanoguttatum</i>																			129	13-14	3	15,21,28	
<i>Oreochromis aureus</i>					6	14-24																	

stream width (m)	70	60	40	75	70	20	50	50	30	150
stream depth (m)	1.50	.8	1	1.5	.3	1.3	.66-3	.6	.5	.2
flow (m/s)		.24			1.16			.34	2.19	
temp (°C)				26.15			26.06		26.66	
substrate (1-7)	6,7	6	2,7	7	4,5	2,6	6	6	7	7
vegetation type (*)	0	1	0	1	1/3	1	1	1/3	0	0
vegetation density (% cover)		5		30	10	<5	10	30		

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

DO (mg/L)				8.42			8.34		8.3	
TDS (ppt)				0.258			0.2581		0.254	
pH				8			8.1		8.1	

Dolan Falls to
Pafford's Crossing