

Wertheim NWR Water Management Demonstration Project Data Report
Nekton Sampling
Area 1 (2003-2006)

Date	Station	Water Depth (cm)	Creek Depth (cm)	Tide	Habitat	Area (m^2)	Water Temp (C)	Salinity (ppt)	DO (mg/L)	<i>Angiulla rostrata</i>		<i>Apeltes quadracus</i>		<i>Callinectes sapidus</i>		<i>Cyprinodon variegatus</i>		<i>Fundulus diaphanus</i>		<i>Fundulus heteroclitus</i>		<i>Fundulus luciae</i>		<i>Lucania parva</i>		<i>Menidia spp.</i>		<i>Uca spp.</i>		<i>Palaemonetes</i>	unknown				
										Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Avg. Size (mm)	Total #	Total #						
9/30/2005	P-1-6-A	NM	NM	Ebb	Pond	1.000	NM	19.00	-							1	40			2	38.5			1	28						11				
9/30/2005	P-1-8-B	NM	NM	Ebb	Pond	1.000	NM	15.00	-							28	30.4															1			
9/30/2005	TC-1	22	44	Ebb	Tidal Creek	0.731	NM	12.00	-																							19			
9/30/2005	TC-2	31	45	Ebb	Tidal Creek	0.718	NM	15.00	-																										
9/30/2005	TC-3	45	69	Ebb	Tidal Creek	0.538	NM	8.00	-																										
9/30/2005	TC-4	30	60	Ebb	Tidal Creek	0.690	NM	20.00	-												8	27.6			19	25.9									
5/30/2006	D1	>1m	NM	Flood	Tidal Creek	-	27.7	1.7	8.1						1	85.00					164	62.2										3			
5/30/2006	P1-4-A	24	NM	Flood	Pond	-	32	12	1.81												20	34													
5/30/2006	P1-8-B	33	NM	Flood	Pond	-	29.1	2.4	18.05												57	60													
5/30/2006	TC-3	37	80	Flood	Ditch	0.726	30.3	7.9	8.9											2	55.5														
5/30/2006	TC-4	31	60	Flood	Ditch	0.796	24.2	12.9	6.2																										
7/13/2006	D-1	19	24	Flood	Tidal Creek	0.707	23.2	2	2.12	1	-									4	56														
7/13/2006	D-3	7	9	Flood	Tidal Creek	0.752	23.5	2.8	0.6											1	25														
7/13/2006	D-5	25	28	Flood	Tidal Creek	0.891	23.6	0.5	7.24											1	23											30			
7/13/2006	TC-1	15	27	Flood	Tidal Creek	0.959	24.6	1.9	3.49			2	26.50							16	18.3														
7/13/2006	TC-2	18	19	Flood	Tidal Creek	-	22.8	1.5	1.2																										
7/13/2006	TC-3	21	24	Flood	Tidal Creek	0.872	25	2.2	2.31							1	54.00			1	48												5		
7/13/2006	TC-4	16	18	Flood	Tidal Creek	0.369	23.7	4.2	2.23												7	22.8		4	16										
7/13/2006	P-1-4-A	8	2	Flood	Pond	-	25	2.9	2.15							2	35.00			3	33														
7/13/2006	P-1-6-A	13	NM	Flood	Pond	-	24.9	3.6	4.36											8	62					1	63								
7/13/2006	P-1-8-B	8	6	Flood	Pond	-	25.5	2.6	4.58	1	50.00																								
9/21/2006	D-1	54	63	Flood	Tidal Creek	0.454	17.5	5.5	5.72														1	20									75		
9/21/2006	D-3	28	28	Flood	Tidal Creek	0.577	17.6	6.2	1.04							72	38.00			45	47.6											2			
9/21/2006	D-5	58	4	Flood	Tidal Creek	1.069	18.8	5.3	6.27																								7		
9/21/2006	TC-1	39	7	Flood	Tidal Creek	0.552	18	8.6	4.82														1	32											
9/21/2006	TC-2	43	43	Flood	Tidal Creek	0.596	15.8	8.3	0.43																										
9/21/2006	TC-3	43	56	Flood	Tidal Creek	0.685	15.9	3.6	5.02																										
9/21/2006	TC-4	38	40	Flood	Tidal Creek	0.585	17.8	10.9	0.47												2	58.5		1	22										
9/21/2006	P-1-4-A	28	NM	Flood	Pond	-	18.9	0	1.73							3	31.00																		
9/21/2006	P-1-6-A	37	NM	Flood	Pond	-	17.8	13.2	3.7						1	50.00	36	36.10			4	40.7			6	27.1						23			
9/21/2006	P-1-8-B	28	NM	Flood	Pond	-	17.3	3.2	5.5						1	12.00	124	29.40							1	25							5		
6/22/2007	D-1	NM	NM	Flood	Tidal Creek	0.577	25.2	1.8	14																										
6/22/2007	D-3	62	68	Flood	Tidal Creek	0.488	26.2	5.7	9.64	5											7				1										
6/22/2007	D-5	NM	NM	Flood	Tidal Creek	0.540	25	2.6	9.8												1													11	
6/22/2007	TC-1	27	35	Flood	Tidal Creek	0.416	24.2	4.5	12.22																										
6/22/2007	TC-2	NM	NM	Flood	Tidal Creek	NM	NM	NM	NM																										
6/22/2007	TC-3	30	49	Flood	Tidal Creek	0.238	NM	NM	NM																										
6/22/2007	TC-4	13	31	Flood	Tidal Creek	0.298	NM	NM	NM													6													
6/22/2007	P1-4-A	21	NM	Flood	Pond	-	28.7	12	NM							15						98													
6/22/2007	P1-6-A	16	NM	Flood	Pond	-	25.1	7.4	NM							35						10													
6/22/2007	P1-8-B	35	NM	Flood	Pond	-	27.2	14.8	NM							3						4													
8/2/2007	D-1	37	38	Flood	Tidal Creek	0.626	25.7	5.9	3.11							1					85			2											
8/2/2007	D-3	14	33	Flood	Tidal Creek	0.540	23.5	5.1	0.9																										
8/2/2007	D-5	30	40	Flood	Tidal Creek	0.733	27.4	3	5.5												18			1										1	
8/2/2007	TC-1	35	40	Flood	Tidal Creek	0.482	28.2	6.1	4.25												4			1		1								1	
8/2/2007	TC-2	NM	NM	Flood	Tidal Creek	NM	NM	NM	NM																										
8/2/2007	TC-3	32	45	Flood	Tidal Creek	0.792	28.7	5.3	3.4												2			1											
8/2/2007	TC-4	37	44	Flood	Tidal Creek	0.335	25.7	7.2	1.05												4														
8/2/2007	P1-4-A	32	NM	Flood	Pond	-	29.4	11.2	0.7							25						31			1										
8/2/2007	P1-6-A	25	NM	Flood	Pond	-	30	9.3	3.59							8						8			2										
8/2/2007	P1-8-B	26	NM	Flood	Pond	-	31	3	6.03							11						1													
9/27/2007	D-1	66	69	Flood	Tidal Creek	1.148	22.1	3.1	5.83																										
9/27/2007	D-3	48	65	Flood	Tidal Creek	0.524	21.5	2.4	5															1											
9/27/2007	D-5	52	57	Flood	Tidal Creek	0.795	21.9	3.5	6.5							1																			
9/27/2007	TC-1	47	41	Flood	Tidal Creek	0.534	22.1	3.5	6.58															1											
9/27/2007	TC-2	NM	NM	Flood	Tidal Creek	NM	NM	NM	NM																										
9/27/2007	TC-3	53	43	Flood	Tidal Creek	0.670	22.5	6.5	5.08																										
9/27/2007	TC-4	41	41	Flood	Tidal Creek	0.553	22.6	0.1	4.23																										
10/11/2007	P1-4-A	18	NM	Flood	Pond	-	18.2	10.2	0.66							2																			
10/11/2007	P1-6-A	NM	NM	Flood	Pond	-	18.6	14.9	2.5																										
10/11/2007	P1-8-B	NM	NM	Flood	Pond	-	18.1	0.1	1.85							1																			

Notes: NM- not measured due to equipment failures or sampling conditions
 *- measurement not applicable
 TC-2 was not sampled in 2007</