

Supplementary Table S.1. Abundance (CPUE = fish/net-day; bold, top number) and biomass (g/net-day; italics, bottom number) of fish sampled in the Lake Erie-connected Crane Creek wetland units (CCUp and CCLow) and in the adjacent diked pools (pools 2A and 2B) during 2004 and 2005. Species that are native to the Great Lakes are identified (Nat = yes [Y] or no [N]); all fish are classified as either forage (F) or game (G) species.

Species	Nat	Class	CCUp			CCLow			Pool 2A			Pool 2B		
			Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall
Total			534.6	254.8	432.5	824.8	703.9	1,348.4	12.3	133.6	33.5	35.7	20.3	14.7
			<i>25,447.7</i>	<i>17,188.5</i>	<i>4,763.2</i>	<i>20,865.9</i>	<i>8,325.8</i>	<i>4,289.6</i>	<i>1,939.7</i>	<i>2,547.8</i>	<i>2,446.6</i>	<i>3,773.4</i>	<i>1,740.1</i>	<i>4,185.3</i>
Alewife <i>Alosa pseudoharengus</i>	N	F	0.0	0.1	<0.1	0.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<i>0.0</i>	<i><0.1</i>	<i>0.3</i>	<i>11.4</i>	<i>16.8</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Black Bullhead <i>Ameiurus melas</i>	Y	G	0.3	0.5	4.9	0.0	<0.1	0.0	0.4	0.6	1.1	0.2	0.0	0.1
			<i>97.0</i>	<i>29.4</i>	<i>58.5</i>	<i>0.0</i>	<i>13.0</i>	<i>0.0</i>	<i>52.3</i>	<i>31.8</i>	<i>129.0</i>	<i>88.0</i>	<i>0.0</i>	<i>80.1</i>
Yellow Bullhead <i>Ameiurus natalis</i>	Y	G	1.8	4.3	23.7	0.6	0.4	<0.1	0.5	1.1	2.1	0.6	0.4	4.9
			<i>509.1</i>	<i>273.2</i>	<i>575.6</i>	<i>118.6</i>	<i>102.3</i>	<i>0.4</i>	<i>109.4</i>	<i>167.8</i>	<i>282.2</i>	<i>113.2</i>	<i>80.4</i>	<i>873.1</i>
Brown Bullhead <i>Ameiurus nebulosus</i>	Y	G	0.2	0.2	5.4	0.2	0.1	0.3	0.0	0.8	0.9	0.0	0.1	0.3
			<i>95.2</i>	<i>39.3</i>	<i>64.7</i>	<i>71.8</i>	<i>15.1</i>	<i>1.5</i>	<i>0.0</i>	<i>99.8</i>	<i>104.4</i>	<i>0.0</i>	<i>11.2</i>	<i>27.2</i>
Bowfin <i>Amia calva</i>	Y	G	1.4	2.3	0.1	1.8	1.0	0.0	0.3	0.6	1.1	0.6	0.4	0.4
			<i>2,353.4</i>	<i>4,242.9</i>	<i>222.5</i>	<i>3,422.6</i>	<i>1,948.4</i>	<i>0.0</i>	<i>482.8</i>	<i>836.4</i>	<i>1,502.9</i>	<i>1,349.2</i>	<i>821.3</i>	<i>711.3</i>
Freshwater Drum <i>Aplodinotus grunniens</i>	Y	G	0.1	0.5	0.0	0.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0
			<i>193.8</i>	<i>278.8</i>	<i>0.0</i>	<i>149.5</i>	<i>41.9</i>	<i>0.7</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Goldfish <i>Carassius auratus</i>	N	F	1.2	6.2	1.5	2.5	1.7	0.1	0.1	0.1	0.0	0.0	0.0	0.0
			<i>806.7</i>	<i>50.1</i>	<i>30.1</i>	<i>684.9</i>	<i>137.1</i>	<i>0.6</i>	<i>52.5</i>	<i>20.4</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Quillback <i>Carpionodes cyprinus</i>	Y	G	0.7	<0.1	<0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<i>854.7</i>	<i>0.1</i>	<i>1.0</i>	<i>264.4</i>	<i>0.7</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
White Sucker <i>Catostomus commersonii</i>	Y	G	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<i>0.0</i>	<i>0.0</i>	<i>18.8</i>	<i>567.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Spotfin Shiner <i>Cyprinella spiloptera</i>	Y	F	0.1	0.0	0.0	<0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
			<i>0.3</i>	<i>0.0</i>	<i>0.0</i>	<i>0.2</i>	<i>1.1</i>	<i>0.6</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Common Carp <i>Cyprinus carpio</i>	N	G	4.7	4.5	30.4	2.2	2.0	0.4	0.3	2.9	0.1	0.5	0.2	0.3
			<i>14,606.2</i>	<i>10,862.2</i>	<i>1,740.4</i>	<i>7,503.8</i>	<i>3,751.6</i>	<i>121.4</i>	<i>587.0</i>	<i>364.8</i>	<i>2.5</i>	<i>1,178.4</i>	<i>78.6</i>	<i>482.1</i>
Gizzard Shad <i>Dorosoma cepedianum</i>	N	F	<0.1	154.6	129.8	0.7	448.7	204.5	0.1	0.3	0.5	0.0	0.0	0.0
			<i>12.2</i>	<i>281.5</i>	<i>1,116.7</i>	<i>332.2</i>	<i>906.2</i>	<i>2,106.8</i>	<i>25.4</i>	<i>29.0</i>	<i>6.9</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>
Northern Pike <i>Esox lucius</i>	Y	G	<0.1	0.0	0.0	0.1	0.0	<0.1	0.0	0.0	0.0	0.4	0.4	1.1
			<i>48.2</i>	<i>0.0</i>	<i>0.0</i>	<i>266.5</i>	<i>0.0</i>	<i>142.4</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>474.5</i>	<i>578.0</i>	<i>1,460.7</i>
Western Banded Killifish <i>Fundulus diaphanus menona</i>	Y	F	0.0	0.0	<0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
			<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>

Bigeye Chub <i>Hybopsis amblops</i>	Y	F	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	<0.1 0.2	0.2 0.9	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Northern Hog Sucker <i>Hypentelium nigricans</i>	Y	G	0.0 0.0	0.0 0.0	0.0 0.0	0.1 2.0	<0.1 0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Channel Catfish <i>Ictalurus punctatus</i>	Y	G	0.2 230.2	1.5 29.5	17.1 39.2	0.1 113.8	4.7 198.1	1.0 1.2	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Smallmouth Buffalo <i>Ictiobus bubalus</i>	Y	G	1.2 3,662.6	0.0 0.0	0.0 0.0	2.2 3,964.4	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Bigmouth Buffalo <i>Ictiobus cyprinellus</i>	Y	G	0.5 726.0	0.0 0.0	0.0 0.0	0.0 0.0	<0.1 <0.1	<0.1 5.7	0.0 0.0	0.0 0.0	0.0 0.0	0.1 161.1	0.0 0.0	0.0 0.0
Black Buffalo <i>Ictiobus niger</i>	Y	G	<0.1 35.7	0.0 0.0	<0.1 0.1	0.0 0.0	<0.1 <0.1	<0.1 0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Brook Silverside <i>Labidesthes sicculus</i>	Y	F	0.0 0.0	0.1 <0.1	<0.1 0.1	0.0 0.0	1.4 1.1	0.4 1.3	0.0 0.0	0.3 0.7	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Longnose Gar <i>Lepisosteus osseus</i>	Y	G	0.6 332.8	0.6 494.1	0.0 0.0	1.4 1,257.8	0.9 514.6	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Green Sunfish <i>Lepomis cyanellus</i>	Y	G	<0.1 0.3	0.2 0.1	0.7 2.4	0.0 0.0	<0.1 0.1	0.8 5.8	0.1 2.4	18.4 18.0	10.3 29.9	0.0 0.0	6.6 20.2	0.1 1.0
Pumpkinseed <i>Lepomis gibbosus</i>	Y	G	0.4 17.7	0.3 5.9	5.3 40.7	1.7 66.3	1.4 24.8	0.7 3.0	2.3 30.7	0.6 19.1	0.5 6.4	2.6 19.0	0.3 3.6	0.0 0.0
Orangespotted Sunfish <i>Lepomis humilis</i>	Y	G	0.0 0.0	6.5 7.3	8.0 7.0	0.1 0.1	3.2 1.9	22.5 13.7	0.1 0.2	1.4 3.2	1.2 1.9	0.0 0.0	0.1 0.1	0.0 0.0
Bluegill <i>Lepomis macrochirus</i>	Y	G	0.4 17.4	17.5 97.7	31.1 390.2	0.7 13.3	4.5 27.1	1.8 1.5	6.7 145.2	36.9 109.5	11.3 72.9	29.2 207.1	5.3 49.0	5.1 239.3
Striped Shiner <i>Luxilus chrysocephalus</i>	Y	F	0.0 0.0	0.0 0.0	0.0 0.0	0.1 8.7	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Silver Chub <i>Macrhybopsis storeriana</i>	Y	F	0.0 0.0	0.0 0.0	0.0 0.0	<0.1 1.8	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Smallmouth Bass <i>Micropterus dolomieu</i>	Y	G	0.0 0.0	0.0 0.0	0.0 0.0	0.1 11.3	0.3 2.7	<0.1 2.1	0.1 95.4	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Largemouth Bass <i>Micropterus salmoides</i>	Y	G	0.1 36.5	0.3 47.4	0.9 63.9	0.9 157.5	0.4 22.0	0.1 0.4	0.7 343.1	65.4 719.5	0.7 147.6	0.1 43.8	3.5 9.4	0.2 129.8
Spotted Sucker <i>Minytrema melanops</i>	Y	G	<0.1 10.2	0.6 209.4	0.1 6.4	0.1 47.7	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
White Perch <i>Morone americana</i>	N	G	0.6 48.9	7.4 35.7	1.5 11.0	0.6 98.8	48.2 175.7	4.8 23.4	0.0 0.0	0.0 0.0	0.1 9.8	0.0 0.0	0.0 0.0	0.0 0.0
White Bass <i>Morone chrysops</i>	Y	G	0.3 77.9	16.4 33.8	<0.1 0.4	2.7 552.5	38.8 322.8	<0.1 0.2	0.1 9.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Round Goby <i>Neogobius melanostomus</i>	N	F	0.0 0.0	0.1 <0.1	0.1 0.1	0.1 1.3	2.5 2.2	10.8 11.6	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Golden Shiner <i>Notemigonus crysoleucas</i>	Y	F	0.0 0.0	0.0 0.0	0.0 0.0	<0.1 1.7	<0.1 0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0

Emerald Shiner <i>Notropis atherinoides</i>	Y	F	488.9 556.6	19.9 8.7	88.1 126.8	781.4 943.5	93.1 47.0	1071.3 1,758.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Silverjaw Minnow <i>Notropis buccatus</i>	Y	F	0.1 0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Spottail Shiner <i>Notropis hudsonius</i>	Y	F	1.3 14.9	1.8 1.6	0.1 0.2	11.0 122.7	19.3 18.4	6.6 22.8	0.1 0.2	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Silver Shiner <i>Notropis photogenis</i>	Y	F	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.2 1.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Sand Shiner <i>Notropis stramineus</i>	Y	F	27.0 17.3	0.0 0.0	0.3 0.4	5.1 33.9	<0.1 <0.1	7.3 33.2	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Tadpole Madtom <i>Noturus gyrinus</i>	Y	F	0.8 1.8	3.3 9.1	80.6 212.8	1.0 2.1	0.4 1.4	8.4 14.7	0.1 0.3	0.1 0.4	1.1 3.1	0.0 0.0	0.1 0.6	0.0 0.0
Rainbow Smelt <i>Osmerus mordax</i>	N	F	0.0 0.0	0.0 0.0	0.0 0.0	0.1 0.8	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Yellow Perch <i>Perca flavescens</i>	Y	G	0.0 0.0	0.3 5.3	1.0 28.5	0.2 8.7	0.6 9.0	<0.1 1.5	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Logperch <i>Percina caprodes</i>	Y	F	0.0 0.0	0.0 0.0	<0.1 0.2	0.0 0.0	0.8 0.8	<0.1 0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Trout-perch <i>Percopsis omiscomaycus</i>	Y	G	<0.1 0.5	<0.1 0.1	0.0 0.0	4.3 25.5	0.1 0.2	0.1 0.5	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Sea Lamprey <i>Petromyzon marinus</i>	N	F	0.0 0.0	0.1 1.9	0.0 0.0	0.1 4.1	0.0 0.0	0.1 4.7	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Suckermouth Minnow <i>Phenacobius mirabilis</i>	Y	F	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	<0.1 <0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Bluntnose Minnow <i>Pimephales notatus</i>	Y	F	0.4 1.1	0.2 0.5	0.3 0.3	0.4 1.6	0.4 0.6	3.8 5.3	0.1 0.3	0.2 0.6	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Fathead Minnow <i>Pimephales promelas</i>	Y	F	0.8 0.8	0.1 0.1	0.2 0.4	0.3 0.6	0.4 0.3	2.0 2.9	0.1 0.1	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
White Crappie <i>Pomoxis annularis</i>	Y	G	0.0 0.0	2.8 5.3	0.6 8.2	0.0 0.0	2.9 8.6	0.0 0.0	0.0 0.0	0.8 15.6	0.3 21.6	0.6 69.7	1.3 31.9	0.7 47.9
Black Crappie <i>Pomoxis nigromaculatus</i>	Y	G	0.4 81.7	1.6 82.5	0.4 6.3	0.2 30.1	1.3 10.7	<0.1 0.2	0.1 2.7	3.1 107.3	2.3 119.0	0.8 69.4	1.6 47.4	1.7 132.9
Creek Chub <i>Semotilus atromaculatus</i>	Y	F	<0.1 0.1	0.0 0.0	0.0 0.0	<0.1 0.2	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0
Central Mudminnow <i>Umbra limi</i>	Y	F	0.0 0.0	0.1 0.4	0.1 0.2	0.1 0.4	<0.1 0.0	<0.1 0.1	0.1 0.7	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0

Supplementary Table S.2. Sorted nonmetric multidimensional scaling axis scores for the 41 most abundant (by mass) fish species used to produce the ordination in Figure 2.

Axis 1		Axis 2	
Species	Axis score	Species	Axis score
Round Goby	0.80	Green Sunfish	0.49
Alewife	0.67	White Crappie	0.33
Sea Lamprey	0.64	Orangespotted Sunfish	0.26
Spotfin Shiner	0.62	Northern Pike	0.16
Logperch	0.56	Brook Silverside	0.15
Brook Silverside	0.56	Bluegill	0.08
Sand Shiner	0.53	Round Goby	0.07
Fathead Minnow	0.51	Largemouth Bass	-0.01
Yellow Perch	0.49	Tadpole Madtom	-0.01
Emerald Shiner	0.42	Black Bullhead	-0.04
Spottail Shiner	0.41	Black Crappie	-0.07
Bluntnose Minnow	0.40	Fathead Minnow	-0.14
Orangespotted Sunfish	0.39	Bowfin	-0.14
Gizzard Shad	0.38	Yellow Bullhead	-0.18
Tadpole Madtom	0.35	Gizzard Shad	-0.22
Trout-perch	0.34	Pumpkinseed	-0.22
Smallmouth Bass	0.33	Sea Lamprey	-0.26
White Perch	0.32	Brown Bullhead	-0.30
White Bass	0.31	Central Mudminnow	-0.32
Longnose Gar	0.30	Common Carp	-0.32
Channel Catfish	0.27	Smallmouth Bass	-0.33
Spotted Sucker	0.23	Logperch	-0.34
Central Mudminnow	0.21	Bluntnose Minnow	-0.39
Freshwater Drum	0.20	Emerald Shiner	-0.50
Goldfish	0.16	Yellow Perch	-0.52
Pumpkinseed	0.08	Spotfin Shiner	-0.53
Smallmouth Buffalo	0.08	Bigmouth Buffalo	-0.59
Quillback	0.05	White Perch	-0.67
Common Carp	0.02	Spottail Shiner	-0.76
Brown Bullhead	-0.01	Goldfish	-0.84
Green Sunfish	-0.05	Channel Catfish	-0.85
Yellow Bullhead	-0.08	Sand Shiner	-0.86
Bowfin	-0.09	Spotted Sucker	-0.93
Bluegill	-0.11	White Bass	-1.03
Largemouth Bass	-0.13	Trout-perch	-1.08
Black Bullhead	-0.16	Longnose Gar	-1.11
Black Crappie	-0.19	Alewife	-1.12
Black Buffalo	-0.23	Freshwater Drum	-1.15
White Crappie	-0.26	Quillback	-1.44
Northern Pike	-0.28	Smallmouth Buffalo	-1.61
Bigmouth Buffalo	-0.28	Black Buffalo	-1.75