

Table 2. QHEI scores and metric values for sites sampled in the Des Plaines & Illinois Rivers by MBI in 2006.

River Mile	Gradient (ft/mile)	WWH Attributes										MWH Attributes									
		High Influence										Moderate Influence									
		No Channelization or Recovered Boulder/Cobble/Gavel Substrates	Silt Free Substrates	Good/Excellent Substrates	Moderate/Good Substrates	Extensive/Modest Cover	Fast Current/Eddies	Low-Normal Overall Embeddedness	Max Depth > 40 cm	Low-Normal Riffle Embeddedness	Total WWH Attributes	Channelized or No Recovery Silt/Cluck Substrates	No Sinuosity Sparse/No Cover Max Depth < 40 cm (WD, HW)	Total H.L. MWH Attributes	Recovering Channel Heavy/Moderate Silt Cover Sand Substrates (Boat)	Hardpan Substrate Origin Fair/Poor Development Low Sinuosity	Only 1-2 Cover Types Intermittent and Poor Pools No Fast Current	High/Mod. Overall Embeddedness High/Mod. Riffle Embeddedness No Riffle	Total M.L. MWH Attributes	(MWH HL+1)/(WWH+1) Ratio	(MWH ML+1)/(WWH+1) Ratio
(95650) Illinois River																					
Year: 2006																					
Location: Ust Grain Silo, DP-16										Latitude: 41.33984 Longitude: -88.79339											
242.1	55.5	0.10	■	■	■	■	■	■	■	3	■	◆	1	■	■	■	■	■	5	0.50	1.75
Location: Dst Marker 243.3, DP-15										Latitude: 41.31986 Longitude: -88.69300											
243.3	51.0	0.10	■	■	■	■	■	■	■	3	■	◆	1	■	■	■	■	■	4	0.50	1.50
Location: Dst Marseilles Tailwater DP-14										Latitude: 41.32791 Longitude: -88.72116											
246.5	70.5	1.00	■	■	■	■	■	■	■	6	■	◆	2	■	■	■	■	■	2	0.43	0.71
Location: Ust Marseilles Dam, DP-19										Latitude: 41.31986 Longitude: -88.69300											
247.8	61.0	0.10	■	■	■	■	■	■	■	6	■	◆	0	■	■	■	■	■	2	0.14	0.43
Location: at Rat Run, Dst Senaca DP-21										Latitude: 41.30450 Longitude: -88.63049											
251.4	56.0	0.10	■	■	■	■	■	■	■	4	■	◆	1	■	■	■	■	■	4	0.40	1.20
Location: Ust Barry Island, DP-20										Latitude: 41.32282 Longitude: -88.55295											
256.1	60.0	0.10	■	■	■	■	■	■	■	5	■	◆	1	■	■	■	■	■	3	0.33	0.83
Location: Ust Mouth Peacock Slough DP-13										Latitude: 41.36120 Longitude: -88.39145											
265.0	54.0	0.10	■	■	■	■	■	■	■	3	■	◆	1	■	■	■	■	■	6	0.50	2.00
Location: Dst Aux Sable Creek, DP-12										Latitude: 41.37904 Longitude: -88.33760											
268.0	60.0	0.10	■	■	■	■	■	■	■	4	■	◆	1	■	■	■	■	■	4	0.40	1.20
Location: Dst Dresden Tailwater, DP-11										Latitude: 41.39917 Longitude: -88.28506											
271.1	86.0	1.00	■	■	■	■	■	■	■	9	■	◆	1	■	■	■	■	■	0	0.20	0.20
(95656) DesPlaines River																					
Year: 2006																					
Location: Ust Kankakee River, DP-18										Latitude: 41.38731 Longitude: -88.25261											
273.5	57.0	0.10	■	■	■	■	■	■	■	5	■	◆	1	■	■	■	■	■	4	0.33	1.00
Location: Dst Stone Fishing Pier, DP-17										Latitude: 41.38331 Longitude: -88.24078											
274.0	49.0	0.10	■	■	■	■	■	■	■	2	■	◆	1	■	■	■	■	■	6	0.67	2.67
Location: Moose Island Slough DP-09										Latitude: 41.40877 Longitude: -88.22430											
276.4	38.0	0.10	■	■	■	■	■	■	■	2	■	◆	1	■	■	■	■	■	6	0.67	2.67
Location: Moose Island DP-08										Latitude: 41.40904 Longitude: -88.21543											
276.5	51.5	0.10	■	■	■	■	■	■	■	3	■	◆	1	■	■	■	■	■	6	0.50	2.00

Exhibit 6
R08-9
Y2010P

Table 2. QHEI scores and metric values for sites sampled in the Des Plaines & Illinois Rivers by MBI in 2006.

River Mile	Gradient QHEI (ft/mile)	WWH Attributes										MWH Attributes												
		No Channel or Recovered Boulder/Cobble/Graavel Substrates	Silt Free Substrates	Good/Excellent Substrates	Moderately Shallow	Extensive/Modest Cover	Fast Current/Eddies	Low-Normal Overall Embedment	Max Depth > 40 cm	Low-Normal Riffle Embedment	Total WWH Attributes	Channelized or No Recovery Silt/Wack Substrates	No Sinuosity Sparse No Cover Max Depth < 40 cm (WD, HW)	Total HLL MWH Attributes	Recovering Channel Heavy/Moderate Silt Cover Sand Substrates (Boat)	Hardpan Substrate Origin Fair/Poor Development Low Sinuosity	Only 1-2 Cover Types Intermittent and Poor Pools No Fast Current	High/Mod. Overall Embedment	High/Mod. Riffle Embedment	No Riffle	Total HLL MWH Attributes	(MWH HLL+1)/(WWH+1) Ratio	(MWH HLL+1)/(MWH+1) Ratio	
(95656) DesPlaines River																								
Year: 2006																								
Location: Power Lines at RM 279.5, DP-07												Latitude: 41.43953 Longitude: -88.16969												
279.5	67.0	1.00	■	■	■	■	■	■	■	■	4	■	0	■	■	■	■	■	■	■	■	4	0.20	1.00
Location: Dst Olin Co. DP-06												Latitude: 41.43892 Longitude: -88.13369												
283.9	33.5	0.10	■	■	■	■	■	■	■	■	1	◆	◆	2	■	■	■	■	■	■	■	6	1.50	4.50
Location: Dst Brandon Tailwater												Latitude: 41.49920 Longitude: -88.10695												
285.8	81.5	1.00	■	■	■	■	■	■	■	■	8	◆	2	■	■	■	■	■	■	■	■	2	0.33	0.56
Location: Dst Jefferson St. DP-04												Latitude: 41.52160 Longitude: -88.08707												
287.9	21.0	0.10	■	■	■	■	■	■	■	■	1	◆	◆	2	■	■	■	■	■	■	■	7	1.50	5.00
Location: Upst Ruby St. DP-03												Latitude: 41.54044 Longitude: -88.08368												
289.0	46.0	0.50	■	■	■	■	■	■	■	■	3	◆	◆	2	■	■	■	■	■	■	■	6	0.75	2.25
Location: Dst Lockport. DP-02												Latitude: 41.55982 Longitude: -88.07792												
290.0	44.0	0.10	■	■	■	■	■	■	■	■	3	◆	1	■	■	■	■	■	■	■	■	3	0.50	1.25
Location: DP-01												Latitude: 41.55936 Longitude: -88.08092												
290.1	68.5	1.00	■	■	■	■	■	■	■	■	6	◆	1	■	■	■	■	■	■	■	■	3	0.29	0.71
Location: Site # 107												Latitude: 41.65449 Longitude: -88.06121												
297.0	83.0	1.00	■	■	■	■	■	■	■	■	8	■	1	■	■	■	■	■	■	■	■	3	0.22	0.56
Location: Dst Lemont Rd., Site # 93												Latitude: 41.66732 Longitude: -88.04491												
298.3	58.5	0.10	■	■	■	■	■	■	■	■	4	◆	◆	2	■	■	■	■	■	■	■	5	0.60	1.60
(95657) Grant Creek																								
Year: 2006																								
Location: Grant Creek DP-10												Latitude: 41.38341 Longitude: -88.22690												
0.1	62.0	0.10	■	■	■	■	■	■	■	■	4	◆	2	■	■	■	■	■	■	■	■	6	0.60	1.80