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APPENDIX C

Aquatic Plant Survey Data from 2004

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
1	1	rocky	1.5	NO VEG	NO VEG	0
				NO VEG	NO VEG	0
				<i>Vallisneria americana</i>	Wild celery	5
	4	sandy	6.0	<i>Najas flexilis</i>	Slender naiad	2
				<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton illinoensis</i>	Illinois pondweed	3
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Chara sp.</i>	Muskgrasses	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	2
	5	mucky sand	10.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	1
				<i>Eleocharis acicularis</i>	Needle spike-rush	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Ceratophyllum demersum</i>	Coontail	2
				NO VEG	NO VEG	0
2	1	rock	1.0	NO VEG	NO VEG	0
				<i>Vallisneria americana</i>	Wild celery	5
				<i>Vallisneria americana</i>	Wild celery	4
	4	sandy	6.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	3
				<i>Ranunculus aquatilis</i>	White water-crowfoot	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	5
				<i>Potamogeton illinoensis</i>	Illinois pondweed	3
	5	sandy	10.0	<i>Ranunculus aquatilis</i>	White water-crowfoot	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Vallisneria americana</i>	Wild celery	3
3	1	rocky	1.5	NO VEG	NO VEG	0
				<i>Isoetes lacustris</i>	Lake quillwort	6
				<i>Isoetes lacustris</i>	Lake quillwort	3
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Stuckenia pectinata</i>	Sago pondweed	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Ceratophyllum demersum</i>	Coontail	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
4	1	rocky	1.0	NO VEG	NO VEG	0
				<i>Vallisneria americana</i>	Wild celery	5
				<i>Vallisneria americana</i>	Wild celery	4
	4	sandy	7.0	<i>Stuckenia pectinata</i>	Sago pondweed	1
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
	5	sandy	11.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
5	1	rocky	1.0	NO VEG	NO VEG	0
				NO VEG	NO VEG	0
5	2	rocky-sand	3.0	NO VEG	NO VEG	0
				NO VEG	NO VEG	0

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	1
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	1
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
6	1	Rocky	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Schoenoplectus acutus</i>	Hardstem bulrush	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
7	1	sandy	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	sandy	5.0	<i>Potamogeton gramineus</i>	Variable pondweed	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	5	sandy	11.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
8	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	3	sandy	4.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Vallisneria americana</i>	Wild celery	5
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
	4	sandy	7.0	<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
	5	sandy	10.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
9	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Sparganium angustifolium</i>	Narrow-leaf bur-reed	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	5	sandy	10.0	<i>Vallisneria americana</i>	Wild celery	3
10	1	rocky	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	NO VEG	NO VEG	0

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
	3	sandy	4.0	<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
				<i>Chara sp.</i>	Muskgrasses	2
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	5	sandy	10.0	NO VEG	NO VEG	0
11	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky-sand	2.0	NO VEG	NO VEG	0
	3	sandy	3.0	<i>Ranunculus aquatilis</i>	White water-crowfoot	1
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
				<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Vallisneria americana</i>	Wild celery	3
	4	sandy	7.0	NO VEG	NO VEG	0
	5	sandy	10.0	NO VEG	NO VEG	0
12	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky-sand	2.0	NO VEG	NO VEG	0
	3	rocky	3.0	NO VEG	NO VEG	0
	4	rocky-sand	6.0	NO VEG	NO VEG	0
	5	sandy	11.0	NO VEG	NO VEG	0
13	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky-sand	3.0	<i>Vallisneria americana</i>	Wild celery	3
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
	4	sandy	5.0	<i>Vallisneria americana</i>	Wild celery	4
	5	sandy	10.0	NO VEG	NO VEG	0
14	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky-sand	2.0	<i>Vallisneria americana</i>	Wild celery	5
	3	sandy-rock	4.0	<i>Vallisneria americana</i>	Wild celery	3
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	3
	5	sandy	10.0	NO VEG	NO VEG	0
15	1	rocky	1.0	NO VEG	NO VEG	0
	2	sandy-rock	3.0	<i>Vallisneria americana</i>	Wild celery	4
	3	sand-detritous	5.0	NO VEG	NO VEG	0
	4	rocky-sand	8.0	NO VEG	NO VEG	0
	5	rocky-sand	12.0	NO VEG	NO VEG	0
16	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky	2.0	NO VEG	NO VEG	0
	3	sand-detritous	4.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	1
	4	sand	9.0	<i>Vallisneria americana</i>	Wild celery	3
	5	sand	11.0	<i>Vallisneria americana</i>	Wild celery	3
17	1	sandy-rock	1.0	NO VEG	NO VEG	0
	2	sandy	3.0	<i>Ranunculus flammula</i>	Creeping spearwort	3
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Isoetes lacustris</i>	Lake quillwort	3
	3	sandy-gravel	5.0	NO VEG	NO VEG	0
	4	sandy-gravel	7.0	<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
	5	rocky-sand	11.0	NO VEG	NO VEG	0
18	1	rocky	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Vallisneria americana</i>	Wild celery	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Isoetes lacustris</i>	Lake quillwort	2
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	4
	5	sandy	10.0	<i>Vallisneria americana</i>	Wild celery	2
19	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	rocky-sand	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	5
				<i>Potamogeton gramineus</i>	Variable pondweed	1
	4	sandy	8.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Isoetes lacustris</i>	Lake quillwort	3
	5	sandy	11.0	NO VEG	NO VEG	0
20	1	sandy-rock	1.0	NO VEG	NO VEG	0
	2	rocky-sand	2.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Isoetes lacustris</i>	Lake quillwort	2
	3	sandy	3.0	<i>Ranunculus aquatilis</i>	White water-crowfoot	3
				<i>Vallisneria americana</i>	Wild celery	2
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	4
	5	sandy	10.0	<i>Vallisneria americana</i>	Wild celery	1
21	1	sandy-rock	1.0	NO VEG	NO VEG	0
	2	sandy-rock	3.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
	4	sandy	7.0	<i>Potamogeton gramineus</i>	Variable pondweed	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	2
22	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky	2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
	3	rocky-sand	3.0	<i>Vallisneria americana</i>	Wild celery	2
	4	sandy	6.0	<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Vallisneria americana</i>	Wild celery	2
	5	sandy	10.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Isoetes lacustris</i>	Lake quillwort	3
23	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky	2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	1
	3	rocky	4.0	<i>Vallisneria americana</i>	Wild celery	1
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Isoetes lacustris</i>	Lake quillwort	1
	5	sandy	11.0	NO VEG	NO VEG	0
24	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky-sand	2.0	<i>Isoetes lacustris</i>	Lake quillwort	2
	3	rocky-sand	4.0	<i>Vallisneria americana</i>	Wild celery	2
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	5	sandy	10.0	<i>Vallisneria americana</i>	Wild celery	3
25	1	rocky	1.0	NO VEG	NO VEG	0
	2	sandy-rock	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
	4	sandy	8.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	4
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	4
26	1	rocky	1.0	NO VEG	NO VEG	0
	2	rocky	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Heteranthera dubia</i>	Water stargrass	1
				<i>Vallisneria americana</i>	Wild celery	1

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	5	sandy	10.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
27	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Schoenoplectus acutus</i>	Hardstem bulrush	3
	3	sandy	4.0	<i>Schoenoplectus acutus</i>	Hardstem bulrush	4
				<i>Najas flexilis</i>	Slender naiad	1
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
	4	mucky	7.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	4
				<i>Potamogeton illinoensis</i>	Illinois pondweed	3
	5	sandy	11.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
28	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Isoetes lacustris</i>	Lake quillwort	3
	3	sandy	3.5	<i>Nuphar variegata</i>	Spatterdock	3
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	3
	4	sandy	6.0	<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
	5	sandy	11.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	1
29	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton gramineus</i>	Variable pondweed	1
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	3
	3	sandy	4.0	<i>Potamogeton gramineus</i>	Variable pondweed	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
	4	sandy	6.0	<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
30	1	rocky-sand	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	3
				<i>Utricularia purpurea</i>	Large purple bladderwort	1
		sandy	?FU	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	1
	3	sandy	4.0	<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
	4	sandy	7.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
	5	sandy	11.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	3
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
31	1	rocky-sand	0.5	NO VEG	NO VEG	0
	2	sand	2.0	<i>Nuphar variegata</i>	Spatterdock	4
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Najas flexilis</i>	Slender naiad	0
				<i>Utricularia purpurea</i>	Large purple bladderwort	1
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	4	sandy	6.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	5	sandy	11.0	NO VEG	NO VEG	0
32	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	3
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
	3	sandy	?FU	<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
	4	sandy	8.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	5
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Vallisneria americana</i>	Wild celery	2
33	1	sandy	0.5	NO VEG	NO VEG	0
	2	sandy	3.0	<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Najas flexilis</i>	Slender naiad	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	sandy	7.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Utricularia purpurea</i>	Large purple bladderwort	1
	5	sandy	10.0	<i>Ceratophyllum demersum</i>	Coontail	5
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
34	1	rocky-sand	1.0	NO VEG	NO VEG	1
	2	sandy	2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Isoetes lacustris</i>	Lake quillwort	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				#N/A	#N/A	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	1
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	5	sandy	?FU	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3
				<i>Ceratophyllum demersum</i>	Coontail	4
				<i>Vallisneria americana</i>	Wild celery	1
35	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	sandy	8.0	<i>Vallisneria americana</i>	Wild celery	3
	5	sandy	11.0	<i>Elodea canadensis</i>	Common waterweed	1
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
36	1	sandy	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Isoetes lacustris</i>	Lake quillwort	1
	3	sandy	3.0	<i>Stuckenia pectinata</i>	Sago pondweed	1
				<i>Najas flexilis</i>	Slender naiad	1
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
	4	sandy	8.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton praelongus</i>	White-stem pondweed	2
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
				<i>Vallisneria americana</i>	Wild celery	5
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	5	sandy	11.0	<i>Potamogeton praelongus</i>	White-stem pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
37	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton gramineus</i>	Variable pondweed	1
				<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	3	sandy	4.0	<i>Chara sp.</i>	Muskgrasses	3
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	4	sandy	5.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
				<i>Schoenoplectus acutus</i>	Hardstem bulrush	3
	5	?FU	11.0	<i>Vallisneria americana</i>	Wild celery	2
38	1	sandy	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Najas flexilis</i>	Slender naiad	1
				<i>Isoetes lacustris</i>	Lake quillwort	1
	3	sandy	4.0	<i>Heteranthera dubia</i>	Water stargrass	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Ranunculus aquatilis</i>	White water-crowfoot	1
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	5	sandy	11.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Utricularia purpurea</i>	Large purple bladderwort	2
39	1	rocky	0.5	NO VEG	NO VEG	0
	2	rocky	2.0	NO VEG	NO VEG	0
	3	sandy-rock	4.0	NO VEG	NO VEG	0
	4	sandy-rock	7.0	NO VEG	NO VEG	0
	5	rocky-sand	?FU	NO VEG	NO VEG	0
40	1	rocky	0.5	NO VEG	NO VEG	0
	2	rocky	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Ceratophyllum demersum</i>	Coontail	1
				<i>Vallisneria americana</i>	Wild celery	4
	4	sandy	7.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	1
	5	sandy	11.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	1
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
41	1	rocky	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	3
	3	rocky-sand	5.0	<i>Potamogeton gramineus</i>	Variable pondweed	1
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
	4	sandy	7.0	<i>Myriophyllum spicatum</i>	Eurasian watermilfoil	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	3
				<i>Elodea canadensis</i>	Common waterweed	2
				<i>Utricularia purpurea</i>	Large purple bladderwort	2
				<i>Ranunculus flammula</i>	Creeping spearwort	2
	5	sandy	11.0	<i>Ceratophyllum demersum</i>	Coontail	4
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
44	Independent		5	NO VEG	NO VEG	
45	Independent		5	<i>Vallisneria americana</i>	Wild celery	
46	Independent		3	<i>Vallisneria americana</i>	Wild celery	

Transect Number	Location	Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Longitude (DMS)	Latitude (DMS)
1	Start	-89.16211199	46.05498494	89° 9' 43.60" W	46° 3' 17.95" N
	End	-89.15953617	46.05419778	89° 9' 34.33" W	46° 3' 15.11" N
2	Start	-89.15757489	46.05718759	89° 9' 27.27" W	46° 3' 25.88" N
	End	-89.15610157	46.05566133	89° 9' 21.97" W	46° 3' 20.38" N
3	Start	-89.15244388	46.05907947	89° 9' 8.80" W	46° 3' 32.69" N
	End	-89.15108452	46.05692167	89° 9' 3.90" W	46° 3' 24.92" N
4	Start	-89.14671756	46.06017713	89° 8' 48.18" W	46° 3' 36.64" N
	End	-89.14513289	46.05845563	89° 8' 42.48" W	46° 3' 30.44" N
5	Start	-89.14097926	46.06117559	89° 8' 27.53" W	46° 3' 40.23" N
	End	-89.13976225	46.06015077	89° 8' 23.14" W	46° 3' 36.54" N
6	Start	-89.13540224	46.06193574	89° 8' 7.45" W	46° 3' 42.97" N
	End	-89.13510821	46.06057994	89° 8' 6.39" W	46° 3' 38.09" N
7	Start	-89.12988062	46.06278215	89° 7' 47.57" W	46° 3' 46.02" N
	End	-89.13010367	46.06084236	89° 7' 48.37" W	46° 3' 39.03" N
8	Start	-89.12705502	46.06184334	89° 7' 37.40" W	46° 3' 42.64" N
	End	-89.1260016	46.06135569	89° 7' 33.61" W	46° 3' 40.88" N
9	Start	-89.12523436	46.06394046	89° 7' 30.84" W	46° 3' 50.19" N
	End	-89.1244241	46.06298789	89° 7' 27.93" W	46° 3' 46.76" N
10	Start	-89.12011515	46.06562179	89° 7' 12.41" W	46° 3' 56.24" N
	End	-89.1181857	46.06360633	89° 7' 5.47" W	46° 3' 48.98" N
11	Start	-89.11501738	46.06700274	89° 6' 54.06" W	46° 4' 1.21" N
	End	-89.11411623	46.06531727	89° 6' 50.82" W	46° 3' 55.14" N
12	Start	-89.10910137	46.06721722	89° 6' 32.76" W	46° 4' 1.98" N
	End	-89.10893409	46.0635798	89° 6' 32.16" W	46° 3' 48.89" N
13	Start	-89.10489075	46.06936141	89° 6' 17.61" W	46° 4' 9.70" N
	End	-89.10468799	46.06904566	89° 6' 16.88" W	46° 4' 8.56" N
14	Start	-89.09932247	46.07019092	89° 5' 57.56" W	46° 4' 12.69" N
	End	-89.09904482	46.0695644	89° 5' 56.56" W	46° 4' 10.43" N
15	Start	-89.09382107	46.0704248	89° 5' 37.76" W	46° 4' 13.53" N
	End	-89.09368062	46.0703288	89° 5' 37.25" W	46° 4' 13.18" N
16	Start	-89.08927219	46.06972852	89° 5' 21.38" W	46° 4' 11.02" N
	End	-89.08941535	46.06946856	89° 5' 21.90" W	46° 4' 10.09" N
17	Start	-89.08900363	46.06601915	89° 5' 20.41" W	46° 3' 57.67" N
	End	-89.09064861	46.06617317	89° 5' 26.34" W	46° 3' 58.22" N
18	Start	-89.09090965	46.06228917	89° 5' 27.27" W	46° 3' 44.24" N
	End	-89.09174707	46.06250084	89° 5' 30.29" W	46° 3' 45.00" N
19	Start	-89.09481899	46.05997185	89° 5' 41.35" W	46° 3' 35.90" N
	End	-89.09572605	46.06182967	89° 5' 44.61" W	46° 3' 42.59" N
20	Start	-89.0988744	46.05762735	89° 5' 55.95" W	46° 3' 27.46" N
	End	-89.09993622	46.05853024	89° 5' 59.77" W	46° 3' 30.71" N
21	Start	-89.10453723	46.05717835	89° 6' 16.33" W	46° 3' 25.84" N
	End	-89.1048576	46.0577567	89° 6' 17.49" W	46° 3' 27.92" N
22	Start	-89.10979317	46.05529586	89° 6' 35.26" W	46° 3' 19.07" N
	End	-89.11114291	46.05661711	89° 6' 40.11" W	46° 3' 23.82" N
23	Start	-89.11250479	46.05184637	89° 6' 45.02" W	46° 3' 6.65" N
	End	-89.11493471	46.05266081	89° 6' 53.76" W	46° 3' 9.58" N
24	Start	-89.11627273	46.04845191	89° 6' 58.58" W	46° 2' 54.43" N
	End	-89.11713515	46.04873023	89° 7' 1.69" W	46° 2' 55.43" N
25	Start	-89.12038401	46.04621974	89° 7' 13.38" W	46° 2' 46.39" N
	End	-89.12061728	46.04656075	89° 7' 14.22" W	46° 2' 47.62" N
26	Start	-89.12538487	46.04453007	89° 7' 31.39" W	46° 2' 40.31" N

	End	-89.12612026	46.04549631	89° 7' 34.03" W	46° 2' 43.79" N
27	Start	-89.12904791	46.04156051	89° 7' 44.57" W	46° 2' 29.62" N
	End	-89.13367366	46.04780116	89° 8' 1.23" W	46° 2' 52.08" N
28	Start	-89.16404884	46.05122257	89° 9' 50.58" W	46° 3' 4.40" N
	End	-89.16164578	46.05038372	89° 9' 41.92" W	46° 3' 1.38" N
29	Start	-89.16424459	46.04715368	89° 9' 51.28" W	46° 2' 49.75" N
	End	-89.16218349	46.04719488	89° 9' 43.86" W	46° 2' 49.90" N
30	Start	-89.16519922	46.04314198	89° 9' 54.72" W	46° 2' 35.31" N
	End	-89.16283936	46.04257606	89° 9' 46.22" W	46° 2' 33.27" N
31	Start	-89.16538215	46.03933491	89° 9' 55.38" W	46° 2' 21.61" N
	End	-89.16288827	46.04084935	89° 9' 46.40" W	46° 2' 27.06" N
32	Start	-89.16201963	46.03797679	89° 9' 43.27" W	46° 2' 16.72" N
	End	-89.16144288	46.03915107	89° 9' 41.19" W	46° 2' 20.94" N
33	Start	-89.16097599	46.03783395	89° 9' 39.51" W	46° 2' 16.20" N
	End	-89.1608436	46.03913293	89° 9' 39.04" W	46° 2' 20.88" N
34	Start	-89.15511923	46.03787767	89° 9' 18.43" W	46° 2' 16.36" N
	End	-89.15488321	46.03885841	89° 9' 17.58" W	46° 2' 19.89" N
35	Start	-89.15044599	46.03669586	89° 9' 1.61" W	46° 2' 12.11" N
	End	-89.15024622	46.03701583	89° 9' 0.89" W	46° 2' 13.26" N
36	Start	-89.14542243	46.03630718	89° 8' 43.52" W	46° 2' 10.71" N
	End	-89.14567337	46.03695638	89° 8' 44.42" W	46° 2' 13.04" N
37	Start	-89.13945376	46.03780451	89° 8' 22.03" W	46° 2' 16.10" N
	End	-89.14321108	46.03922312	89° 8' 35.56" W	46° 2' 21.20" N
38	Start	-89.1341717	46.03958527	89° 8' 3.02" W	46° 2' 22.51" N
	End	-89.13487966	46.0410725	89° 8' 5.57" W	46° 2' 27.86" N
39	Start	-89.15089337	46.04119664	89° 9' 3.22" W	46° 2' 28.31" N
	End	-89.15038281	46.04149354	89° 9' 1.38" W	46° 2' 29.38" N
40	Start	-89.15318228	46.04253781	89° 9' 11.46" W	46° 2' 33.14" N
	End	-89.15339843	46.04316664	89° 9' 12.23" W	46° 2' 35.40" N
41	Start	-89.15312745	46.04143349	89° 9' 11.26" W	46° 2' 29.16" N
	End	-89.1543447	46.04126806	89° 9' 15.64" W	46° 2' 28.57" N

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover	
1	1	rocky	0.5	NO VEG	NO VEG	0	
	2	sandy			<i>Potamogeton gramineus</i>	Variable pondweed	2
					<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	1
					<i>Vallisneria americana</i>	Wild celery	2
					<i>Isoetes lacustris</i>	Lake quillwort	2
	3	sandy		4.5	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
					<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
					<i>Vallisneria americana</i>	Wild celery	3
					<i>Potamogeton illinoensis</i>	Illinois pondweed	2
					<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
	4	sandy		6.5	<i>Elodea canadensis</i>	Common waterweec	1
					<i>Potamogeton illinoensis</i>	Illinois pondweed	2
					<i>Potamogeton gramineus</i>	Variable pondweed	2
					<i>Vallisneria americana</i>	Wild celery	3
					<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
					<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
					<i>Megalodonta beckii</i>	Water marigold	2
					<i>Elodea canadensis</i>	Common waterweed	1
<i>Ceratophyllum demersum</i>					Coontail	2	
<i>Najas flexilis</i>					Slender naiad	3	
5	sandy		11.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2	
				<i>Ceratophyllum demersum</i>	Coontail	2	
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2	
				<i>Vallisneria americana</i>	Wild celery	3	
				<i>Potamogeton robbinsii</i>	Fern pondweed	2	
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2	
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2	
2	1	rocky	0.5	NO VEG	NO VEG	0	
	2	rocky-sand		2.0	<i>Sagittaria graminea</i>	Grass-leaved arrowhead	3
					<i>Vallisneria americana</i>	Wild celery	1
					<i>Najas flexilis</i>	Slender naiad	2
	3	sandy-rock		3.5	<i>Potamogeton gramineus</i>	Variable pondweed	2
					<i>Potamogeton robbinsii</i>	Fern pondweed	1
					<i>Vallisneria americana</i>	Wild celery	2
	4	sandy		6.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
					<i>Potamogeton gramineus</i>	Variable pondweed	3
					<i>Vallisneria americana</i>	Wild celery	3
					<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
					<i>Megalodonta beckii</i>	Water marigold	2
					<i>Myriophyllum sibiricum</i>	Northern water milfoil	3
	5	sandy-muck		11.0	<i>Vallisneria americana</i>	Wild celery	3
					<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
					<i>Najas flexilis</i>	Slender naiad	2
	3	1	sandy-rock	0.5	NO VEG	NO VEG	0
		2	sandy		2.0	<i>Elodea canadensis</i>	Common waterweed
<i>Potamogeton gramineus</i>						Variable pondweed	2
<i>Vallisneria americana</i>						Wild celery	3
3		sandy		4.0	<i>Potamogeton gramineus</i>	Variable pondweed	4
					<i>Vallisneria americana</i>	Wild celery	3
					<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
					<i>Potamogeton illinoensis</i>	Illinois pondweed	2
					<i>Elodea canadensis</i>	Common waterweed	1
4		sandy		6.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	2
					<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
					<i>Myriophyllum spicatum</i>	Eurasian water milfoil	4
					<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3
					<i>Najas flexilis</i>	Slender naiad	2

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Elodea canadensis</i>	Common waterweed	1
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	5	sandy	11.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Najas flexilis</i>	Slender naiad	3
				<i>Myriophyllum spicatum</i>	Eurasian water milfoil	1
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Elodea canadensis</i>	Common waterweed	1
4	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton gramineus</i>	Variable pondweed	4
				<i>Elodea canadensis</i>	Common waterweed	1
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
	4	sandy	6.0	<i>Potamogeton gramineus</i>	Variable pondweed	4
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3
				<i>Megalodonta beckii</i>	Water marigold	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	5	sandy	11.0	<i>Elodea canadensis</i>	Common waterweed	3
				<i>Najas flexilis</i>	Slender naiad	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Stuckenia pectinata</i>	Sago pondweed	2
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Megalodonta beckii</i>	Water marigold	2
5	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	4
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Heteranthera dubia</i>	Water stargrass	2
	4	sandy	6.0	<i>Myriophyllum spicatum</i>	Eurasian water milfoil	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Megalodonta beckii</i>	Water marigold	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	5	sandy	10.0	<i>Elodea canadensis</i>	Common waterweed	4
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
6	1	sandy	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Chara sp.</i>	Muskgrasses	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Isoetes lacustris</i>	Lake quillwort	2
	3	sandy	4.0	<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	1

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Heteranthera dubia</i>	Water stargrass	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Chara sp.</i>	Muskgrasses	2
	4	mucky	7.0	<i>Myriophyllum spicatum</i>	Eurasian water milfoil	1
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	4
				<i>Potamogeton robbinsii</i>	Fern pondweed	4
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Ceratophyllum demersum</i>	Coontail	1
	5	mucky-sand	12.0	<i>Najas flexilis</i>	Slender naiad	3
				<i>Elodea canadensis</i>	Common waterweed	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	1
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Megalodonta beckii</i>	Water marigold	2
7	1	rocky-sand	1.0	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Najas flexilis</i>	Slender naiad	1
	3	sandy	5.0	<i>Heteranthera dubia</i>	Water stargrass	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	4
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Elodea canadensis</i>	Common waterweed	2
	4	mucky	8.0	<i>Potamogeton praelongus</i>	White-stem pondweed	4
				<i>Potamogeton robbinsii</i>	Fern pondweed	4
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
	5	mucky	11.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3
				<i>Potamogeton praelongus</i>	White-stem pondweed	4
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Elodea canadensis</i>	Common waterweed	1
				<i>Potamogeton foliosus</i>	Leafy pondweed	3
8	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Najas flexilis</i>	Slender naiad	1
				<i>Isoetes lacustris</i>	Lake quillwort	1
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Eleocharis acicularis</i>	Needle spike-rush	1
	3	sandy	4.0	<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Najas flexilis</i>	Slender naiad	3
	4	sandy	7.0	<i>Potamogeton robbinsii</i>	Fern pondweed	5
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Elodea canadensis</i>	Common waterweed	1
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Megalodonta beckii</i>	Water marigold	2
	5	mucky	12.0	<i>Potamogeton foliosus</i>	Leafy pondweed	4
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton praelongus</i>	White-stem pondweed	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Elodea canadensis</i>	Common waterweed	1
9	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	1
				<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Chara sp.</i>	Muskgrasses	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Najas flexilis</i>	Slender naiad	2
	3	sandy-rock	4.0	<i>Najas flexilis</i>	Slender naiad	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	4	sandy	7.0	<i>Potamogeton robbinsii</i>	Fern pondweed	5
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Megalodonta beckii</i>	Water marigold	2
				<i>Myriophyllum spicatum</i>	Eurasian water milfoil	1
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Najas flexilis</i>	Slender naiad	3
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	5	mucky	13.0	<i>Potamogeton foliosus</i>	Leafy pondweed	4
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton praelongus</i>	White-stem pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	3
				<i>Myriophyllum spicatum</i>	Eurasian water milfoil	2
				<i>Ceratophyllum demersum</i>	Coontail	2
10	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
	3	sandy	4.0	<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Myriophyllum alterniflorum</i>	Alternate-flowered water milfoil	1
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	1
	4	sandy	7.0	<i>Myriophyllum spicatum</i>	Eurasian water milfoil	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	5
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton praelongus</i>	White-stem pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Potamogeton foliosus</i>	Leafy pondweed	2
	5	mucky	11.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	3
				<i>Potamogeton foliosus</i>	Leafy pondweed	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Ceratophyllum demersum</i>	Coontail	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
11	1	rocky	0.5	NO VEG	NO VEG	0
	2	rocky-sand	2.0	<i>Najas flexilis</i>	Slender naiad	3
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	1
				<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Vallisneria americana</i>	Wild celery	2

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	sandy	6.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	5
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Ceratophyllum demersum</i>	Coontail	2
	5	mucky	12.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	4
				<i>Potamogeton foliosus</i>	Leafy pondweed	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	3
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Megalodonta beckii</i>	Water marigold	1
12	1	sandy-rock	0.5	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	2	sandy	1.0	<i>Potamogeton gramineus</i>	Variable pondweed	4
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Najas flexilis</i>	Slender naiad	3
				<i>Vallisneria americana</i>	Wild celery	2
	3	sandy	4.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton gramineus</i>	Variable pondweed	4
				<i>Potamogeton illinoensis</i>	Illinois pondweed	3
				<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
	4	mucky-sand	6.5	<i>Potamogeton robbinsii</i>	Fern pondweed	5
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Megalodonta beckii</i>	Water marigold	3
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Elodea canadensis</i>	Common waterweed	2
	5	mucky	10.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	4
				<i>Potamogeton foliosus</i>	Leafy pondweed	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
13	1	rocky	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Vallisneria americana</i>	Wild celery	2
				<i>Isoetes lacustris</i>	Lake quillwort	2
				<i>Najas flexilis</i>	Slender naiad	2
	3	sandy	3.5	<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Najas flexilis</i>	Slender naiad	3
	4	mucky	6.0	<i>Potamogeton praelongus</i>	White-stem pondweed	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	5
				<i>Ceratophyllum demersum</i>	Coontail	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Potamogeton foliosus</i>	Leafy pondweed	2
				<i>Megalodonta beckii</i>	Water marigold	2
	5	mucky	11.0	<i>Potamogeton praelongus</i>	White-stem pondweed	3
				<i>Myriophyllum spicatum</i>	Eurasian water milfoil	3
				<i>Potamogeton robbinsii</i>	Fern pondweed	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Ceratophyllum demersum</i>	Coontail	1
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover			
14	1	rocky	0.5	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2			
				NO VEG	NO VEG	0			
	2	sandy	2.0	<i>Najas flexilis</i>	Slender naiad	3			
				<i>Vallisneria americana</i>	Wild celery	3			
	3	sandy	4.0	<i>Potamogeton gramineus</i>	Variable pondweed	2			
				<i>Potamogeton gramineus</i>	Variable pondweed	3			
				<i>Najas flexilis</i>	Slender naiad	3			
				<i>Vallisneria americana</i>	Wild celery	3			
				<i>Myriophyllum spicatum</i>	Eurasian water milfoil	1			
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2			
	4	mucky	6.5	<i>Myriophyllum sibiricum</i>	Northern water milfoil	3			
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2			
				<i>Potamogeton foliosus</i>	Leafy pondweed	2			
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2			
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2			
				5	mucky	10.0	<i>Elodea canadensis</i>	Common waterweed	1
	<i>Myriophyllum sibiricum</i>	Northern water milfoil	2						
	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2						
	<i>Potamogeton robbinsii</i>	Fern pondweed	5						
	<i>Megalodonta beckii</i>	Water marigold	3						
<i>Potamogeton illinoensis</i>	Illinois pondweed	2							
<i>Ceratophyllum demersum</i>	Coontail	2							
15	1	rocky	0.5				NO VEG	NO VEG	0
							2	rocky-sand	2.0
	<i>Najas flexilis</i>	Slender naiad	3						
	3	sandy	4.0	<i>Potamogeton gramineus</i>	Variable pondweed	2			
				<i>Vallisneria americana</i>	Wild celery	2			
				<i>Vallisneria americana</i>	Wild celery	2			
				<i>Najas flexilis</i>	Slender naiad	3			
				<i>Potamogeton gramineus</i>	Variable pondweed	3			
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2			
	4	sandy-muck	8.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	1			
				<i>Potamogeton amplifolius</i>	Large-leaf pondweed	2			
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3			
				<i>Megalodonta beckii</i>	Water marigold	2			
				<i>Potamogeton robbinsii</i>	Fern pondweed	4			
				<i>Potamogeton foliosus</i>	Leafy pondweed	2			
	5	sandy-muck	12.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	3			
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	3			
				<i>Ceratophyllum demersum</i>	Coontail	2			
<i>Potamogeton robbinsii</i>				Fern pondweed	5				
<i>Elodea canadensis</i>				Common waterweed	3				
16				1	sandy	0.5	<i>Najas flexilis</i>	Slender naiad	2
	2	sandy	2.0				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2			
	3	sandy	4.0	<i>Vallisneria americana</i>	Wild celery	3			
				<i>Potamogeton gramineus</i>	Variable pondweed	4			
				<i>Vallisneria americana</i>	Wild celery	3			
				<i>Najas flexilis</i>	Slender naiad	2			
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2			
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	1			
	4	sandy-muck	7.0	<i>Potamogeton illinoensis</i>	Illinois pondweed	3			
				<i>Potamogeton robbinsii</i>	Fern pondweed	5			
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2			
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2			
				<i>Megalodonta beckii</i>	Water marigold	2			
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2			
	5	muck	12.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2			
				<i>Ceratophyllum demersum</i>	Coontail	2			

Transect Number	Depth Range	Substrate	Actual Depth	Species	Common Name	Daubenmire Cover
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
				<i>Megalodonta beckii</i>	Water marigold	2
17	1	sandy	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
				<i>Najas flexilis</i>	Slender naiad	3
	3	sandy	3.5	<i>Najas flexilis</i>	Slender naiad	3
				<i>Potamogeton gramineus</i>	Variable pondweed	2
				<i>Sagittaria graminea</i>	Grass-leaved arrowhead	2
	4	sandy	6.0	<i>Myriophyllum sibiricum</i>	Northern water milfoil	3
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton robbinsii</i>	Fern pondweed	4
	5	sandy	10.0	<i>Potamogeton robbinsii</i>	Fern pondweed	3
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
18	1	sandy	0.5	NO VEG	NO VEG	0
	2	sandy	2.0	NO VEG	NO VEG	0
	3	sandy	4.0	<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton gramineus</i>	Variable pondweed	3
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	4	sandy	6.0	<i>Vallisneria americana</i>	Wild celery	3
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Najas flexilis</i>	Slender naiad	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2
	5	mucky	12.0	<i>Potamogeton richardsonii</i>	Clasping-leaf pondweed	2
				<i>Vallisneria americana</i>	Wild celery	2
				<i>Potamogeton illinoensis</i>	Illinois pondweed	2
				<i>Potamogeton zosteriformis</i>	Flat-stem pondweed	2
				<i>Myriophyllum sibiricum</i>	Northern water milfoil	2

Transect Number	Location	Longitude (Decimal Degrees)	Latitude (Decimal Degrees)	Longitude (DMS)	Latitude (DMS)
1	Start	-89.17058432	46.03876697	89° 10' 14.10" W	46° 2' 19.56" N
	End	-89.17021691	46.03617135	89° 10' 12.78" W	46° 2' 10.22" N
2	Start	-89.16713739	46.03850806	89° 10' 1.69" W	46° 2' 18.63" N
	End	-89.16686787	46.03596591	89° 10' 0.72" W	46° 2' 9.48" N
3	Start	-89.16033918	46.03553345	89° 9' 37.22" W	46° 2' 7.92" N
	End	-89.16389508	46.03601442	89° 9' 50.02" W	46° 2' 9.65" N
4	Start	-89.16028412	46.03291128	89° 9' 37.02" W	46° 1' 58.48" N
	End	-89.16720743	46.03288438	89° 10' 1.95" W	46° 1' 58.38" N
5	Start	-89.16022528	46.02999352	89° 9' 36.81" W	46° 1' 47.98" N
	End	-89.16615386	46.02913863	89° 9' 58.15" W	46° 1' 44.90" N
6	Start	-89.16089384	46.02742953	89° 9' 39.22" W	46° 1' 38.75" N
	End	-89.1655859	46.02798983	89° 9' 56.11" W	46° 1' 40.76" N
7	Start	-89.16375587	46.02575576	89° 9' 49.52" W	46° 1' 32.72" N
	End	-89.16427778	46.02616548	89° 9' 51.40" W	46° 1' 34.20" N
8	Start	-89.16454777	46.02407495	89° 9' 52.37" W	46° 1' 26.67" N
	End	-89.16626789	46.02562949	89° 9' 58.56" W	46° 1' 32.27" N
9	Start	-89.16922386	46.02255867	89° 10' 9.21" W	46° 1' 21.21" N
	End	-89.16880056	46.02389437	89° 10' 7.68" W	46° 1' 26.02" N
10	Start	-89.17278708	46.0236461	89° 10' 22.03" W	46° 1' 25.13" N
	End	-89.17201136	46.02508852	89° 10' 19.24" W	46° 1' 30.32" N
11	Start	-89.17624049	46.02495103	89° 10' 34.47" W	46° 1' 29.82" N
	End	-89.1758353	46.02637308	89° 10' 33.01" W	46° 1' 34.94" N
12	Start	-89.17977821	46.02583754	89° 10' 47.20" W	46° 1' 33.02" N
	End	-89.17840257	46.02745422	89° 10' 42.25" W	46° 1' 38.84" N
13	Start	-89.18154547	46.02829142	89° 10' 53.56" W	46° 1' 41.85" N
	End	-89.18012013	46.02912092	89° 10' 48.43" W	46° 1' 44.84" N
14	Start	-89.18203978	46.03093222	89° 10' 55.34" W	46° 1' 51.36" N
	End	-89.18106906	46.03113252	89° 10' 51.85" W	46° 1' 52.08" N
15	Start	-89.18235699	46.03355718	89° 10' 56.49" W	46° 2' 0.81" N
	End	-89.18079493	46.03380019	89° 10' 50.86" W	46° 2' 1.68" N
16	Start	-89.18072053	46.03615841	89° 10' 50.59" W	46° 2' 10.17" N
	End	-89.17893309	46.03590396	89° 10' 44.16" W	46° 2' 9.25" N
17	Start	-89.17762592	46.03812721	89° 10' 39.45" W	46° 2' 17.26" N
	End	-89.17676222	46.03749303	89° 10' 36.34" W	46° 2' 14.97" N
18	Start	-89.17432785	46.03886376	89° 10' 27.58" W	46° 2' 19.91" N
	End	-89.17329555	46.03769541	89° 10' 23.86" W	46° 2' 15.70" N