

AQUATIC HABITAT QUALITY INDEX

This index of floodplain aquatic habitat was developed to better quantify aquatic habitat conditions observed by resource professionals conducting informal habitat surveys on the UMR and for determining long-term trends. The index or evaluation form can be filled out in the field and later sent to reach coordinators so that information can be summarized and disseminated by mid-September.

This index will be most useful if the location evaluated is relatively small (30-50 acres) and/or is defined by similar physical characteristics. If the area is large (> 100 acres) and/or diverse, it may be useful to divide the area into somewhat definable sectors, possibly using GPS, with each sector getting its own score, and then determine a mean score that will be applied to the entire area. For further information on any of these plants or verification questions, check out the following website: <http://plants.usda.gov/>

Submergent Vegetation

<u>Species</u>	<u>Common name</u>	<u>Species Code</u>
<u>Ceratophyllum demersum</u>	Coontail	CEDE4
<u>Elodea canadensis</u>	Canada waterweed	ELCA7
<u>Myriophyllum sibiricum</u>	Northern water milfoil	MYSI
<u>Myriophyllum spicatum</u>	Eurasian water milfoil	MYSP2
<u>Najas flexilis</u>	Bushy pondweed	NAFL
<u>Potamogeton crispus</u>	Curly-leaf pondweed	POCR3
<u>Potamogeton epihydrus</u>	Ribbon-leaf pondweed	POEP2
<u>Potamogeton foliosus</u> , <u>P. pusillus</u> or other unidentified narrow-leaved pondweeds	Narrow-leaved pondweeds	NLPW
<u>Potamogeton foliosus</u>	Leafy pondweed	POFO3
<u>Potamogeton illinoensis</u>	Illinois pondweed	POIL
<u>Potamogeton nodosus</u>	River pondweed	PONO2
<u>Potamogeton pectinatus</u>	Sago pondweed	POPE6
<u>Potamogeton pusillus</u>	Small pondweed	POPU7
<u>Potamogeton richardsonii</u>	Clasping-leaf pondweed	PORI2
<u>Potamogeton zosteriformis</u>	Flat-stem pondweed	POZO
<u>Ranunculus longirostris</u> (including <u>R. trichophylus</u>)	Rigid white water buttercup or longbeak buttercup	RALO2
<u>Utricularia vulgaris</u> (aka. <u>macrorhiza</u>)	Bladderwort	UTMA
<u>Vallisneria americana</u>	Wild celery	VAAM3
<u>Zannichellia palustris</u>	Horned pondweed	ZAPA
<u>Zosterella dubia</u> (aka. <u>Heteranthera dubia</u>)	Yellow water stargrass	ZODU

Floating-leaved Vegetation

<u>Nelumbo lutea</u>	Yellow lotus	NELU
<u>Nuphar variegatum</u> (aka. <u>N. luteum</u>)	Yellow waterlily	NULU
<u>Nymphaea tuberosa</u> (aka. <u>N. odorata</u>)	White waterlily	NYTU

Emergent Vegetation

<u>Carex</u> sp.	Sedge	SEDG
<u>Cyperus esculentus</u>	Chufa nut-grass or Chufa flat sedge	CYES
<u>Echinochloa crusgalli</u>	Wild millet	ECPU
<u>Eleocharis</u> sp.	Spikerush	ELEOC
<u>Juncus</u> sp.	Rush	JUNCU
<u>Leersia oryzoides</u>	Rice cutgrass	LEOR
<u>Lythrum salicaria</u>	Purple Loosestrife	LYSA2
<u>Phalaris arundinacea</u>	Reed canary grass	PHAR3
<u>Phragmites australis</u>	Cane	PHAU7
<u>Polygonum amphibium</u> L. var.	Water smartweed	POAMS
<u>Pontedaria cordata</u>	Pickerel Weed	POCO14
<u>Sagittaria latifolia</u>	Broad-leafer arrowhead	SALA2
<u>Sagittaria rigida</u>	Stiff arrowhead	SARI
<u>Scirpus atrovirens</u>	Green bullrush	SCAT2
<u>Scirpus cyperinus</u>	Woolgrass	SCCY
<u>Scirpus fluviatilis</u>	River bullrush	SCFL
<u>Scirpus validus</u>	Soft-stem bulrush	SCVA
<u>Sparganium eurycarpum</u>	Giant burreed	SPEU
<u>Typha angustifolia</u>	Narrow-leaved cattail	TYAN
<u>Typha latifolia</u>	Broad-leaved cattail	TYLA
<u>Zizania aquatica</u>	Wild rice	ZIAQ