# Distribution and Relative Abundance of Upper Mississippi and Illinois River Mussels, 2003. (prepared by Dan Kelner, USACE, St. Paul District).

**Table 1. Distribution and relative abundance of Upper Mississippi and Illinois River mussel species by navigation pool. Also included are the lower Minnesota River, lower St. Croix River (below St. Croix Falls), and the open Mississippi River (Middle) extending from Lock and Dam 26 to the Ohio River. See bibliography for references.**

| Species | | | | Upper Mississippi River Navigation Pool | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Illinois River Navigation Pool | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Scientific name* | Common name | Lower Minnesota | Lower St. Croix | Upper SAF* | Lower SAF* | 1 | 2 | 3 | 4 | 5 | 5a | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 24 | 25 | 26 | Middle | Alton | LaGrange | Peoria | Starved Rock | Marseilles |
| **Subfamily Cumberlandinae** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cumberlandia monodonta* | spectaclecase | | R | | | | | H | | | | | | | H | R | | | | H | R | R | R | | R | R | | R | R | | R | | H | H | | | |
| **Subfamily Ambleminae** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Amblema plicata* | threeridge | R | A | C | R | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | C | A | A | A | A | C |
| *Cyclonaias tuberculata* | purple wartyback | H | R | | | | H | H | R | | | H | H | H | | H | H | | H | H | H | H | | | | R | | | H | R | H | | H | H | H | H | H |
| *Elliptio crassidens* | elephant ear | H | R | | | | H | H | H | H | | H | H | H | H | H | H | H | H | H | H | H | R | | | | | H | H | H | H | | H | H | H | H | H |
| *Elliptio dilatata* | spike | H | C | | | H | H | R | C | H | R | R | H | H | C | R | R | H | H | R | H | H | R | | | R | | H | H | | H | H | H | H | H | | H |
| *Fusconaia ebena* | ebonyshell | H | R | | | | H | H | H | H | H | H | H | H | R | H | H | H | H | H | H | H | H | R | H | R | R | R | R | R | R | H | R | H | H | H | H |
| *Fusconaia flava* | Wabash pigtoe | H | A | A | R | A | C | A | A | C | C | C | C | C | R | C | A | C | C | C | R | C | C | C | R | C | R | R | R | C | C | R | R | H | R | H | H |
| *Megalonaias nervosa* | washboard | H | R | | | | H | R | R | R | | R | R | R | C | C | C | R | R | C | A | A | A | C | C | R | R | C | A | C | A | R | C | R | R | | |
| *Plethobasus cyphyus* | sheepnose | H | R | | | | H | H | H | H | H | H | R | H | | R | | | H | H | R | R | R | H | | R | | R | R | H | | | H | H | H | H | H |
| *Pleurobema rubrum* | pyramid pigtoe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | H | H | | | |
| *Pleurobema sintoxia* | round pigtoe | H | C | R | | | R | R | R | R | H | R | R | R | R | R | C | H | R | H | R | R | R | | | R | | H | R | | R | | H | H | H | H | R |
| *Quadrula fragosa* | winged mapleleaf | H | R | | | | H | H | H | | | H | | H | | H | | | | | | | | | | | | | | | | | | | | | |
| *Quadrula metanevra* | monkeyface | H | R | | | | R | H | R | R | H | R | R | R | R | R | R | R | R | R | C | R | C | R | C | R | R | R | R | R | R | R | H | H | H | H | H |
| *Quadrula nodulata* | wartyback | H | H | | | C | C | C | R | | | | R | H | R | R | R | R | R | R | R | R | R | C | C | C | R | C | C | R | R | R | R | R | H | H | H |
| *Quadrula pustulosa* | pimpleback | H | A | | | R | C | C | C | C | C | C | C | R | C | C | C | C | C | C | A | A | A | C | A | C | C | C | C | C | C | R | C | R | R | A | C |
| *Quadrula quadrula* | mapleleaf | R | R | A | R | A | C | C | C | R | R | R | R | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | A | A | A | A | A |
| *Tritogonia verrucosa* | pistolgrip | H | R | | | | R | H | R | H | H | H | R | R | R | R | H | | H | H | H | H | H | H | R | | H | R | R | H | H | | H | H | R | H | R |
| *Uniomerus tetralasmus* | pondhorn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R | H | | | | |
| **Subfamily Anodontinae** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Alasmidonta marginata* | elktoe | H | R | | | | R | R | H | | H | R | H | R | H | H | R | | H | | | | | | | | | | | | | | | | H | H | R |
| *Alasmidonta viridis* | slippershell mussel | | | | | | | | | | | | | | | | | H | | | | | | | | | | | | | | | | | | H | H |
| *Anodonta suborbiculata* | flat floater | | | | | | | | R | R | R | R | | R | R | R | | | R | H | R | R | R | | | R | | H | H | R | R | R | R | R | H | R | H |
| *Anodontoides ferussacianus* | cylindrical papershell | H | | | | | | | H | | | | | | | | | | | | | | | | | | | | | | | | | | H | H | H |
| *Arcidens confragosus* | rock pocketbook | H | R | | | | R | R | H | R | H | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | | R | R | R | R | R | C | R | R | R | |
| *Lasmigona complanata* | white heelsplitter | R | R | R | H | H | R | R | H | H | H | R | R | R | R | R | R | R | C | R | R | R | R | R | R | R | R | R | R | R | R | R | R | C | C | C | R |
| *Lasmigona compressa* | creek heelsplitter | | R | | | | | | | | | | | | | | | | | H | H | | | | | | | | | | | | | | | | |
| *Lasmigona costata* | fluted shell | H | R | | | | R | | H | H | | H | H | R | H | R | | | H | R | H | | | | | | | R | | | | | H | H | | H | R |
| *Pyganodon grandis* | giant floater | R | C | C | R | C | C | C | R | R | R | R | R | R | C | R | C | C | R | R | R | R | R | C | R | C | R | R | R | R | C | R | C | C | C | C | C |
| *Simpsonaias ambigua* | salamander mussel | | R | | | | | H | | | | | | | | R | | R | | | | | | | | | | | | | H | | | | | | |
| *Strophitus undulatus* | strange floater | H | R | A | R | C | C | R | R | H | R | R | R | R | C | R | R | R | R | R | R | R | R | H | R | R | | | R | | | | H | H | H | | R |
| *Utterbackia imbecillis* | paper pondshell | R | R | | R | R | R | R | R | R | H | R | R | R | R | R | R | R | R | R | R | R | C | R | A | R | R | R | R | R | R | R | R | H | R | H | H |
| **Subfamily Lampsilinae** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Actinonaias ligamentina* | mucket | H | R | | | | R | R | R | H | H | H | R | R | R | R | R | R | R | C | R | R | R | R | R | R | | R | R | H | R | | R | R | R | R | C |
| *Ellipsaria lineolata* | butterfly | H | R | | | | H | R | R | H | R | R | R | R | R | R | C | C | R | C | A | C | C | C | C | A | R | A | A | C | C | R | R | H | H | H | H |
| *Epioblasma triquetra* | snuffbox | | R | | | | | H | H | | H | H | | | | H | | | | H | H | H | | | | | | | | | | | | H | | H | H |
| *Lampsilis cardium* | plain pocketbook | R | R | A | R | R | C | C | R | R | R | C | C | C | C | R | C | C | C | C | C | R | C | C | C | R | R | R | C | C | R | R | R | H | H | H | R |
| *Lampsilis higginsii* | Higgins eye | H | R | | | | H | H | H | H | H | H | R | R | R | R | R | R | R | R | R | R | R | | R | | | H | H | | | | H | H | H | H | H |
| *Lampsilis siliquoidea* | fatmucket | H | R | C | R | R | R | R | R | R | H | R | R | R | R | R | R | R | R | H | H | | R | | | | | | | | | | H | H | R | H | R |
| *Lampsilis teres* | yellow sandshell | H | H | | | | H | H | R | H | H | H | R | H | R | R | R | | H | R | H | H | R | H | R | R | R | R | R | C | C | C | R | R | H | H | H |
| *Leptodea fragilis* | fragile papershell | C | C | A | H | R | C | R | C | R | R | R | R | C | C | R | A | C | R | R | C | R | C | C | A | R | R | R | C | C | C | A | C | C | C | R | A |
| *Leptodea leptodon* | scaleshell | H | | | | | H | | | | | | | | | H | | | H | | | | | | | | | | | | | | | | | | |
| *Ligumia recta* | black sandshell | H | R | C | H | R | C | R | R | R | R | R | R | R | C | R | C | R | C | C | R | R | R | R | R | R | R | R | R | R | R | | R | H | H | H | H |
| *Ligumia subrostrata* | pondmussel | | | | | | | | | | | | | | | | | | | | | H | H | H | H | | | | | | | | | | | | |
| *Obliquaria reflexa* | threehorn wartyback | H | A | A | R | A | A | A | A | C | C | A | A | A | C | A | C | A | A | A | A | C | C | C | C | A | A | A | A | C | A | C | C | C | R | H | H |
| *Obovaria olivaria* | hickorynut | H | R | | | | R | R | R | R | R | C | A | R | R | C | C | C | C | C | R | R | C | C | C | C | R | A | C | C | C | C | R | H | R | H | H |
| *Potamilus alatus* | pink heelsplitter | R | C | A | R | C | C | C | R | R | H | R | C | R | C | C | R | R | R | C | R | C | C | R | C | C | R | R | R | C | C | R | R | R | R | | R |
| *Potamilus capax* | fat pocketbook | | | | H | | | | H | | H | | | | | H | | | H | | | H | | H | H | R | H | H | R | H | H | H | H | H | | H | H |
| *Potamilus ohiensis* | pink papershell | C | R | R | | R | R | C | R | R | R | R | R | R | R | R | R | R | R | R | R | R | C | R | C | R | R | C | R | R | R | R | R | R | R | C | R |
| *Potamilus purpuratus* | bleufer | | | | | | | | | | | | | | | | | | | | | | | | H | | | | | | | R | | | | | |
| *Toxolasma parvus* | lilliput | R | R | R | | | R | R | R | C | R | C | R | R | H | C | C | R | R | R | R | R | R | R | R | | | | | R | H | R | H | R | H | | H |
| *Toxolasma texasiensis* | Texas lilliput | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | H | | | | | |
| *Truncilla donaciformis* | fawnsfoot | H | R | R | R | R | R | R | R | A | C | C | R | R | R | R | R | R | C | R | C | R | C | C | C | R | R | C | C | R | R | R | R | H | R | H | |
| *Truncilla truncata* | deertoe | R | C | A | R | A | A | C | A | C | R | R | C | A | C | A | A | C | C | C | A | R | C | C | C | C | R | C | A | C | C | R | C | A | C | H | R |
| *Venustaconcha ellipsiformis* | ellipse | | H | | | | | H | H | | | | | | | | | | | | H | | | | | | | | | | | | | | | | |
| *Villosa iris* | rainbow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | H | H |
| Live species | | 11 | 39 | 17 | 12 | 17 | 27 | 27 | 29 | 22 | 18 | 27 | 30 | 30 | 31 | 35 | 30 | 27 | 28 | 28 | 30 | 29 | 33 | 24 | 28 | 32 | 22 | 28 | 30 | 26 | 27 | 25 | 24 | 17 | 19 | 10 | 17 |
| Historic | | 28 | 3 | 0 | 4 | 2 | 11 | 13 | 13 | 12 | 16 | 11 | 6 | 8 | 5 | 8 | 4 | 5 | 11 | 11 | 10 | 9 | 3 | 6 | 4 | 0 | 2 | 6 | 5 | 5 | 7 | 4 | 16 | 23 | 18 | 26 | 21 |
| Total species | | 39 | 42 | 17 | 16 | 19 | 38 | 40 | 42 | 34 | 34 | 38 | 36 | 38 | 36 | 43 | 34 | 32 | 39 | 39 | 40 | 38 | 36 | 30 | 32 | 32 | 24 | 34 | 35 | 31 | 34 | 29 | 40 | 40 | 37 | 36 | 38 |

*Upper St. Anthony Falls Pool (SAF) extends above the falls at Upper St. Anthony Falls Lock and Dam upstream to Coon Rapids Dam. Lower St. Anthony Falls Pool (SAF) extends from the Lower St. Anthony Falls Lock and Dam to the Upper St. Anthony Falls Lock and Dam.

**Status Key**

H = Records of occurrence but no live collections have been documented in the past ~25 years.
R = Rare, does not usually appear in sample collections, populations are small either naturally or have declined and may or may not be near extirpation.
C = Commonly taken in most samples; can make up a large portion of some samples.
A = Abundantly taken in most samples.