

Illinois Department of Natural Resources Freshwater Mussel Resource Value Worksheet

Stream: _____ Drainage: _____ Date: _____

County: _____ State: _____ TRS: _____

Common location: _____

Mussel Resource Value (from over): _____

A. Number extant species (live + dead) : _____ SR Factor: _____

Extant species in sample	Species Richness Factor
0	1
1 - 3	2
4 - 6	3
7 - 9	4
10 +	5

B. Number of extant intolerant species (over): _____ IS Factor: _____

Number of Intolerant Species	Intolerant Species Factor
0	1
1	3
2 +	5

C. Catch per unit effort (# live individuals / man-hours): _____ Ab Factor: _____

Catch-per-Unit-Effort	Abundance Factor
0	1
1 - 10	2
>10 - 30	3
>30 - 60	4
>60 +	5

(over)

D. % of live species w/individuals 0 - 3 growth rings: _____ Rep Factor: _____

% Live Species w/Recent Recruitment	Reproduction Factor
0	1
1 - 30	3
>30 - 50	4
>50 +	5

The index is calculated as the sum of 4 factors:

Mussel Classification Index (MCI) = SR Factor + IS Factor + Ab Factor + Rep Factor

MCI = _____ = _____ + _____ + _____ + _____

Circle Mussel Resource Value below.

MCI	Mussel Resource Value	Approximate description for Mussel Resource Value
16 +	Unique	Very high species richness &/or abundance; listed species present; evidence of recruitment common. Resource of state-wide significance, EO Form req'd.
12 - 15	Highly Valued	High species richness &/or abundance; rare species present; evidence of recent recruitment likely. Resource of state-wide significance, EO Form req'd..
8 - 11	Moderate	Species richness &/or abundance typical for stream of given location and order. May be a resource of local significance or recovering from degradation
5 - 7	Limited	Low species richness &/or abundance. May be recoverable or recovering with improved conditions.
0 - 4	Restricted	No live mussels present; only weathered dead, sub-fossil, or no shell material found.

Intolerant species are all state-listed species plus flutedshell (*Lasmigona costata*), monkeyface (*Quadrula metanevra*), and ellipse (*Venustachoncha ellipsiformes*)