

Appendix D Millsap Fish Ranking

D.1 Fish SGCN Selection

The updated SGCN ranking is based on District data and historical maps and lists 114 fish species that occur in the District commonly, rarely, or never. DOEE prioritized conservation efforts for District fish utilizing national, regional, and local aspects of several other ranking systems. These aspects include population status, vulnerability, population trends, current knowledge, specialization, and ongoing management.

Since many fish species that occur in the District are considered migratory, it is necessary to utilize both national, regional, and District data for the SGCN scoring and selection process. Basis for inclusion or exclusion of a species was based on using all three variables listed in the Millsap document: biological, action, and supplemental.

D.2 Scoring

D.2.1 Biological Variables

Population Size – Estimated number of adults throughout North America

0–500 individuals	10
501–1,000 individuals or population suspected to be small	8
1,001–3000 individuals	6
3,001–10,000 individuals	4
10,001–50,000 individuals, or population suspected to be large	2
> 50,000 individuals	0



Population Trend – Overall trend in number of individuals throughout taxon’s range over last two decades (or other appropriate time interval considering taxon’s generation time)

If population trend is unknown, consider trends in the availability and condition of the taxon’s habitat as indicative of the population.

Population size known to be decreasing	10
Trend unknown, but population suspected to be decreasing	8
Population formerly experienced serious declines, but is stable or increasing	6
Population size stable or suspected to be increasing	2
Population size known to be increasing	0

Range Size – The size of areas over which species is distributed when most restricted

<100 km ²	10
101–1,000 km ²	9
1,001–40,000 km ²	7
40,001–100,000 km ²	4
100,001–2,000,000 km ²	1
>2,000,000 km ²	0

Distribution Trend – Percent change (since European settlement) in area occupied by the taxon

This is an estimate of change in the portion of the total range that is occupied or utilized it may not be equal to the change in total range.

Area occupied has declined by 90%–100%	10
Area occupied has declined by 75%–89%	8
Area occupied has declined by 25%–74%	5
Area occupied has declined by 1%–24%	2
Area occupied is stable or has increased	0



Population Concentration – Degree to which populations congregate at specific locations

Majority concentrates in single location	10
Concentrates at 1–25 locations	6
Concentrates at >25 locations	2
Does not concentrate	0

Reproductive Potential for Recovery – Ability of species to recover from serious pop. declines

(a) Average number of eggs or young produced per adult female per year

<1 offspring/female/year	5
1–9 offspring/female/year	3
10–100 offspring/female/year	1
>100 offspring/female/year	0

(b) Minimum age at which females typically reproduce

>8 years	5
4–8 years	3
2–3 years	1
<2 years	0

Ecological specialization – degree to which the species is dependent upon environmental factors

(a) Dietary specialization – primary response to decrease in availability of primary food source

Number of individuals declines, no substantial shift in diet	3.3
Little change in number of individuals, shift in diet	0



(b) Reproductive specialization – primary response of local populations to decrease in preferred breeding sites

Number of individuals or breeding attempts decline, no substantial shift to alternate breeding sites	3.3
Substantial shift to alternate breeding sites with little change in number of individuals	0

(c) Other specialization – ecological or behavioral specializations (roosting, hibernacula, etc.)

Highly specialized	3.3
Moderately specialized	1.7
Not specialized	0

D.2.2 Action Variables

Knowledge of distribution in the District

Distribution is extrapolated from a few locations or knowledge is limited to general range maps	10
Broad range limits or habitat associations are known, but local occurrence cannot be predicted accurately	5
Distribution is well known and occurrence can be predicted accurately throughout the range	0

Knowledge of population trend in the District

Not currently monitored	10
Monitored locally	6
Statewide monitoring, but not with statistical sensitivity	4
Statewide monitoring with statistical sensitivity	0



Knowledge of District population limits

Factors affecting population size and distribution are unknown or unsustainable	10
Some factors affecting population size and distribution are known, but one or more major factors are unknown	5
All major factors affecting population size and distribution are known	0

Ongoing management activities in the District

None directed primarily at the taxon	10
Management mostly related to enforcement of conservation laws	5
Some direct management activities in addition to enforcement of conservation laws	0

D.2.3 Supplemental Variables

Systematic significance of the taxon

Monotypic family	5
Monotypic genus	4
Monotypic species	3
Disjunct population below the species level	2
Intergrading subspecies	1

Percent of taxon's total range that occurs in the District

90%–100% of total range in the District	5
75%–89% of total range in the District	4
50%–74% of total range in the District	3
25%–49% of total range in the District	2
<25% of total range in the District	1



Period of occurrence in the District

Permanent resident	4
Resident during breeding season	3
Resident during winter or non-breeding season	2
Transient	1

Harvest of the taxon in the District

Harvested, with no legal protection	4
No substantial harvest other than accidental take or harvest of nuisance animals; no legal protection	3
Harvested, but harvest regulated	2
Harvest prohibited by regulation	1

D.3 Ranking

Species were scored individually by biological, action, and supplemental variables. Biological scores ranged from 2 to 41.3 with a median of 4, action scores ranged from 0 to 31 with a median of 10, and supplemental scores ranged from 10 to 19 with a median of 13 (see Table 39).

D.4 Fish SGCN Selection

While the median biological score (4) would have caused many more species to be added to the SGCN listing, DOEE utilized the action and supplemental variables to exclude or include certain species that either have a good historical record of or are considered to be stable within the District of Columbia. Conversely, DOEE included species that were considered highly vulnerable, such as bowfin. DOEE also consulted multiple conservation assessments (IUCN Red List, federal listings, and ranks) to further identify SGCNs.



Table 39 Millsap Ranking for the District's Fish

Scientific Name	Common Name	Biological Variables														Action Variables					Biological + Action Total Score	Supplemental Variables					Species Total Score			
		G-Rank	N-Rank	S-Rank	IUCN	ESA listing status	Population Size	Population Trend	Range Size	Distribution Trend	Population Concentration	Reproductive Potential for Recovery (Variable A)	Reproductive Potential for Recovery (Variable B)	Ecological Specialization (Variable A)	Ecological Specialization (Variable B)	Ecological Specialization (Variable C)	Total	DC Distribution	DC Trend	DC Population Limitations		Ongoing Management Activities	Action Total	Taxonomic significance	Population/POA	Last Documented		Range Size/ Concentration	Impact of Emerging Diseases	Total
<i>Acantharchus pomotis</i>	Mud Sunfish						0	2	0	5	0	0	0	0	0	0	7	10	6	5	10	31	38	4	1	5	4	3	17	55
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	G3*	N3	SX	VU	E	0	10	1	8	2	0	5	0	0	0	26	10	0	0	0	10	36	3	1	5	3	1	13	49
<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	G3*	N3	SX	CR	T	10	10	1	5	2	0	5	3.3	3.3	1.7	41.3	10	0	0	0	10	51.3	2	1	5	3	1	12	63.3
<i>Alosa aestivalis</i>	Blueback Herring	G3G4	N3N4	S5	VU		0	10	1	5	2	0	3	0	0	1.7	22.7	0	0	0	0	0	22.7	3	1	6	3	1	14	36.7
<i>Alosa mediocris</i>	Hickory Shad	G4	N4	S2B	LC		2	0	0	5	2	0	1	0	0	0	10	0	0	0	0	0	10	3	1	3	3	1	11	21
<i>Alosa pseudoharengus</i>	Alewife	G5	N5	S5	LC		0	8	1	5	2	0	3	0	0	1.7	20.7	0	0	5	0	5	25.7	3	1	6	3	1	14	39.7
<i>Alosa sapidissima</i>	American Shad	G5	N5	S2B	LC		0	2	1	5	2	0	1	0	0	0	11	0	0	0	0	0	11	3	1	3	3	1	11	22
<i>Ambloplites rupestris</i>	Rock Bass				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	10	10	12	3	1	3	4	3	14	26
<i>Ameiurus catus</i>	White Catfish				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	5	5	7	3	1	2	4	4	14	21
<i>Ameiurus natalis</i>	Yellow Bullhead				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	5	5	7	3	1	2	4	3	13	20
<i>Ameiurus nebulosus</i>	Brown Bullhead	G5	N5	S5	LC		0	2	0	0	0	0	1	0	0	0	3	0	0	0	5	5	8	3	1	6	4	4	18	26
<i>Amia calva</i>	Bowfin	G5			LC		0	2	0	0	0	0	1	0	3.3	0	6.3	10	6	0	10	26	32.3	5	1	2	1	3	12	44.3
<i>Anchoa mitchilli</i>	Bay Anchovy				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	10	10	12	3	1	5	1	3	13	25
<i>Anguilla rostrata</i>	American Eel	G4		S4	EN		2	10	0	2	2	0	1	0	0	0	17	5	0	5	5	15	32	3	1	5	4	3	16	48
<i>Apeltes quadracus</i>	Fourspine Stickleback						0	2	0	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	5	4	3	16	49
<i>Aphredoderus sayanus</i>	Pirate Perch						0	2	0	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	5	4	3	16	49
<i>Bairdiella chrysoura</i>	Silver Perch						0	2	0	0	0	0	0	0	0	0	2	5	6	0	10	21	23	3	1	5	1	3	13	36
<i>Brevoortia tyrannus</i>	Atlantic Menhaden						2	2	1	2	2	0	0	0	0	0	9	0	0	0	0	0	9	3	1	4	3	1	12	21
<i>Campostoma anomalum</i>	Central Stoneroller				LC		2	2	0	0	0	0	0	0	0	0	4	5	4	0	10	19	23	2	1	2	4	3	12	35
<i>Carassius auratus</i>	Goldfish				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	4	1	2	4	3	14	23
<i>Carpoides cyprinus</i>	Quillback				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	3	1	2	4	3	13	22
<i>Catostomus commersonii</i>	White Sucker				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	10	10	12	3	1	2	4	3	13	25
<i>Centrarchus macropterus</i>	Flier				LC		2	2	0	0	0	0	0	0	0	0	4	5	4	0	10	19	23	4	1	2	4	3	14	37
<i>Channa argus argus</i>	Northern Snakehead						2	2	0	0	2	0	0	0	0	0	6	0	0	0	5	5	11	3	1	1	4	4	13	24
<i>Clinostomus funduloides</i>	Rosyside Dace						0	2	0	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	4	4	3	15	48
<i>Cottus bairdii</i>	Mottled Sculpin						0	2	0	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	5	4	3	16	49
<i>Cottus caeruleomentum</i>	Blue Ridge Sculpin						2	2	1	0	0	0	0	0	0	0	5	10	6	5	10	31	36	3	1	5	4	3	16	52
<i>Cottus cognatus</i>	Slimy Sculpin						0	2	0	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	5	4	3	16	49
<i>Cottus girardi</i>	Potomac Sculpin				LC		0	2	4	0	0	0	0	0	0	0	6	10	6	5	10	31	37	3	4	5	4	3	19	56
<i>Ctenopharyngodon idella</i>	Grass Carp						2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	4	1	2	4	3	14	23

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<i>Cynoscion nebulosus</i>	Spotted Sea Trout						2	2	0	0	0	0	0	0	0	0	4	5	6	0	10	21	25	3	1	5	1	3	13	38
<i>Cynoscion regalis</i>	Weakfish						2	10	0	0	0	0	1	0	0	0	13	5	6	0	10	21	34	3	1	5	1	3	13	47
<i>Cyprinella analostana</i>	Satinfin Shiner				LC		0	2	0	0	0	0	0	0	0	2	0	0	0	10	10	12	3	1	2	4	3	13	25	
<i>Cyprinus carpio</i>	Common Carp (Koi)				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	5	5	9	4	1	2	4	3	14	23	
<i>Cyrinodon variegatus</i>	Sheepshead Minnow						0	2	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	5	4	3	16	49	
<i>Dorosoma cepedianum</i>	Gizzard Shad				LC		0	2	0	0	2	0	0	0	0	4	0	0	0	5	5	9	3	1	2	4	4	14	23	
<i>Dorosoma petenense</i>	Threadfin Shad				LC		2	2	0	0	2	0	0	0	0	6	0	0	0	5	5	11	3	1	1	3	3	11	22	
<i>Enneacanthus gloriosus</i>	Bluespotted Sunfish				LC		0	2	0	0	0	0	0	0	0	2	10	6	0	5	21	23	3	1	5	4	3	16	39	
<i>Enneacanthus obesus</i>	Banded Sunfish						0	2	0	2	0	0	0	0	0	4	10	6	5	10	31	35	3	1	5	4	3	16	51	
<i>Erimyzon oblongus</i>	Eastern Creek Chubsucker				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	4	1	3	4	3	15	29	
<i>Esox masquinongy</i>	Muskellunge (Tiger)				LC		0	2	0	0	0	0	0	0	0	2	5	4	0	5	14	16	2	1	2	4	3	12	28	
<i>Esox niger</i>	Chain Pickerel				LC		2	2	0	0	0	0	0	0	0	4	5	4	0	5	14	18	3	1	2	1	3	10	28	
<i>Esox vermiculatus</i>	Grass Pickerel						0	2	0	0	0	0	0	0	0	2	5	4	0	5	14	16	3	1	4	4	1	13	29	
<i>Etheostoma blennioides</i>	Greenside Darter				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	2	1	2	4	3	12	26	
<i>Etheostoma flabellare</i>	Fantail Darter						0	2	0	0	0	0	0	0	0	2	10	6	5	10	31	33	2	1	1	4	3	11	44	
<i>Etheostoma fusiforme</i>	Swamp Darter						0	2	0	0	0	0	0	0	0	2	10	6	5	10	31	33	3	1	5	4	3	16	49	
<i>Etheostoma olmstedi</i>	Tessellated Darter				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	5	4	3	16	30	
<i>Etheostoma vitreum</i>	Glassy Darter						0	2	1	0	0	0	0	0	0	3	10	6	5	10	31	34	2	1	6	4	3	16	50	
<i>Exoglossum maxillingua</i>	Cutlips Minnow						2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	5	4	3	16	30	
<i>Fundulus heteroclitus</i>	Mummichog				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	2	4	3	13	27	
<i>Fundulus diaphanus</i>	Banded Killifish				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	2	1	3	4	3	13	27	
<i>Fundulus luciae</i>	Spotfin Killifish						0	2	0	0	0	0	0	0	0	2	10	6	5	10	31	33	2	1	2	4	3	12	45	
<i>Gambusia affinis</i>	Western Mosquitofish				LC		0	2	0	0	0	0	0	0	0	2	0	0	0	10	10	12	3	1	5	4	3	16	28	
<i>Hybognathus regius</i>	Eastern Silvery Minnow				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	2	1	1	4	3	11	25	
<i>Hypentelium nigricans</i>	Northern Hog Sucker				LC		2	2	0	0	0	0	0	0	0	4	5	0	0	10	15	19	3	1	2	4	3	13	32	
<i>Ictalurus furcatus</i>	Blue Catfish				LC		2	2	0	0	2	0	0	0	0	6	0	0	0	0	0	6	3	1	2	4	3	13	19	
<i>Ictalurus punctatus</i>	Channel Catfish				LC		2	0	0	0	0	0	0	0	0	2	0	0	0	5	5	7	3	1	1	4	4	13	20	
<i>Lampetra aepyptera</i>	Least Brook Lamprey						0	0	0	0	2	0	3	0	0	5	10	6	5	10	31	36	3	1	5	4	2	15	51	

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<i>Lampetra appendix</i>	American Brook Lamprey				LC		2	2	0	0	0	0	3	0	0	0	7	10	6	5	10	31	38	3	1	5	4	3	16	54
<i>Leiostomus xanthurus</i>	Spot						2	2	0	0	2	0	1	0	0	0	7	0	0	0	5	5	12	2	1	3	3	3	12	24
<i>Lepisosteus osseus</i>	Longnose Gar				LC		0	2	0	0	2	0	1	0	0	0	5	5	0	0	5	10	15	3	1	4	1	3	12	27
<i>Lepomis auritus</i>	Redbreast Sunfish				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	5	5	7	3	1	2	4	3	13	20
<i>Lepomis cyanellus</i>	Green Sunfish				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	3	1	2	4	4	14	23
<i>Lepomis gibbosus</i>	Pumpkinseed				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	3	1	2	4	4	14	23
<i>Lepomis gulosus</i>	Warmouth				LC		2	2	0	0	0	0	0	0	0	0	4	5	4	0	5	14	18	3	1	2	4	4	14	32
<i>Lepomis macrochirus</i>	Bluegill				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	3	1	3	4	3	14	23
<i>Lepomis megalotis</i>	Longear Sunfish				LC		2	2	0	0	0	0	0	0	0	0	4	5	0	0	0	5	9	2	1	2	4	4	13	22
<i>Lepomis microlophus</i>	Redear Sunfish				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	2	1	2	4	4	13	22
<i>Luxilus amoenus</i>	Comely Shiner				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	10	10	14	2	1	2	4	4	13	27
<i>Margariscus margarita</i>	Pearl Dace	G4	N4	S2	LC		2	10	1	5	0	0	0	0	0	1.7	19.7	10	6	5	10	31	50.7	3	1	4	4	3	15	65.7
<i>Membras martinica</i>	Rough Silverside						0	2	0	0	0	0	0	0	0	0	2	5	6	0	10	21	23	4	1	5	4	3	17	40
<i>Menidia beryllina</i>	Inland Silverside				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	10	10	14	4	1	5	1	3	14	28
<i>Menidia menidia</i>	Atlantic Silverside						0	2	0	0	0	0	0	0	0	0	2	5	6	0	10	21	23	3	1	3	4	3	14	37
<i>Micropogonias undulatus</i>	Atlantic Croaker						2	2	0	0	0	0	0	0	0	0	4	5	6	0	10	21	25	3	1	5	1	3	13	38
<i>Micropterus dolomieu</i>	Smallmouth Bass				LC		2	2	0	0	0	0	1	0	0	0	5	0	0	0	0	0	5	4	1	5	1	3	14	19
<i>Micropterus salmoides</i>	Largemouth Bass				LC		2	2	0	0	0	0	1	0	0	0	5	0	0	0	0	0	5	2	1	4	4	2	13	18
<i>Morone americana</i>	White Perch				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	5	5	7	2	1	4	4	2	13	20
<i>Morone saxatilis</i>	Striped Bass	G5		S4	LC		2	8	0	2	2	0	3	0	0	1.7	18.7	0	0	0	0	0	18.7	2	1	4	4	4	15	33.7
<i>Moxostoma erythrum</i>	Golden Redhorse				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	5	5	9	1	1	4	4	2	12	21
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	2	4	3	13	27
<i>Mugil cephalus</i>	Mullet				LC		2	2	0	0	0	0	1	0	0	0	5	5	4	0	10	19	24	2	1	2	4	3	12	36
<i>Mugil curema</i>	White Mullet						0	2	0	0	0	0	0	0	0	0	2	5	6	0	10	21	23	3	1	2	1	3	10	33
<i>Nocomis micropogon</i>	River Chub						2	2	0	0	0	0	0	0	0	1.7	5.7	10	6	5	10	31	36.7	3	1	5	1	3	13	49.7
<i>Notropis bifrenatus</i>	Bridle Shiner	G3		SH	LC		2	10	1	5	0	0	0	0	0	1.7	19.7	10	6	5	10	31	50.7	3	1	5	4	3	16	66.7
<i>Notropis buccatus</i>	Silverjaw Minnow				LC		2	2	1	0	0	0	0	0	0	0	5	0	0	0	10	10	15	3	1	6	4	3	17	32
<i>Notropis chalybaeus</i>	Ironcolor shiner						0	8	0	0	0	0	0	0	0	0	8	10	6	5	10	31	39	3	1	5	4	3	16	55
<i>Notropis cornutus</i>	Common Shiner				LC		0	2	0	0	0	0	0	0	0	0	2	0	0	0	10	10	12	1	1	3	4	3	12	24
<i>Notropis hudsonius</i>	Spottail Shiner				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	2	4	3	13	27

Scientific Name	Common Name	Biological Variables															Action Variables					Biological + Action Total Score	Supplemental Variables					Species Total Score		
		G-Rank	N-Rank	S-Rank	IUCN	ESA listing status	Population Size	Population Trend	Range Size	Distribution Trend	Population Concentration	Reproductive Potential for Recovery (Variable A)	Reproductive Potential for Recovery (Variable B)	Ecological Specialization (Variable A)	Ecological Specialization (Variable B)	Ecological Specialization (Variable C)	Total	DC Distribution	DC Trend	DC Population Limitations	Ongoing Management Activities		Action Total	Taxonomic significance	Population/POA	Last Documented	Range Size/ Concentration		Impact of Emerging Diseases	Total
<i>Notropis procne</i>	Swallowtail Shiner				LC		2	2	0	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	2	4	3	13	27
<i>Notropis rubellus</i>	Rosyface Shiner				LC		2	2	0	0	0	0	0	0	0	4	10	4	5	10	29	33	3	1	3	4	3	14	47	
<i>Notropis spilopterus</i>	Spotfin Shiner				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	2	4	3	13	27	
<i>Notropis volucellus</i>	Mimic Shiner				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	3	4	3	14	28	
<i>Noturus gyrinus</i>	Tadpole Madtom						2	2	0	0	0	0	0	0	0	4	10	6	5	10	31	35	3	1	5	4	3	16	51	
<i>Noturus insignis</i>	Margined Madtom				LC		2	2	1	0	0	0	0	0	0	5	5	0	0	10	15	20	3	1	3	4	3	14	34	
<i>Oncorhynchus mykiss</i>	Rainbow Trout						2	2	0	0	0	0	0	0	0	4	5	4	0	5	14	18	3	1	3	1	3	11	29	
<i>Paralichthys dentatus</i>	Summer Flounder				LC		2	10	0	0	2	0	1	0	1.7	16.7	5	4	0	5	14	30.7	3	1	5	1	3	13	43.7	
<i>Perca flavescens</i>	Yellow Perch				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	5	5	9	4	1	5	4	2	16	25	
<i>Percina peltata</i>	Shield Darter				LC		2	2	4	0	0	0	0	0	0	8	0	0	0	10	10	18	3	1	2	4	3	13	31	
<i>Petromyzon marinus</i>	Sea Lamprey				LC		2	2	0	0	2	0	3	0	0	9	5	0	0	10	15	24	4	1	2	3	3	13	37	
<i>Pimephales notatus</i>	Bluntnose Minnow				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	3	1	2	4	3	13	27	
<i>Pimephales promelas</i>	Fathead Minnow				LC		0	2	0	0	0	0	0	0	0	2	0	0	0	10	10	12	3	1	3	4	3	14	26	
<i>Pogonias cromis</i>	Black Drum						2	2	0	0	0	0	1	0	0	5	5	6	0	10	21	26	4	1	5	1	3	14	40	
<i>Pomoxis annularis</i>	White Crappie				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	5	5	9	3	1	4	4	4	16	25	
<i>Pomoxis nigromaculatus</i>	Black Crappie				LC		2	2	0	0	0	0	1	0	0	5	0	0	0	10	10	15	3	1	3	4	4	15	30	
<i>Pylodictis olivaris</i>	Flathead Catfish				LC		2	2	0	0	0	0	3	0	0	7	0	0	0	5	5	12	3	1	1	4	3	12	24	
<i>Rhinichthys atratulus</i>	Eastern Blacknose Dace				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	2	1	2	4	3	12	26	
<i>Rhinichthys cataractae</i>	Longnose Dace				LC		2	2	0	0	0	0	0	0	0	4	0	0	0	10	10	14	2	1	2	4	3	12	26	
<i>Salmo trutta</i>	Brown Trout				LC		0	2	0	0	2	0	1	0	0	5	5	4	0	5	14	19	3	1	3	1	3	11	30	
<i>Salvelinus fontinalis</i>	Brook Trout						2	2	0	0	2	0	0	0	0	6	5	4	0	5	14	20	3	1	5	1	3	13	33	
<i>Sander vitreum</i>	Walleye				LC		2	2	0	0	0	0	1	0	1.7	6.7	5	6	0	10	21	27.7	4	1	5	1	3	14	41.7	
<i>Sciaenops ocellatus</i>	Red Drum						2	2	0	0	0	0	1	0	0	5	5	4	0	10	19	24	3	1	2	4	3	13	37	
<i>Semotilus corporalis</i>	Fallfish				LC		2	2	0	0	0	0	0	0	0	4	0	4	0	5	9	13	3	1	4	4	2	14	27	
<i>Strongylura marina</i>	Atlantic Needlefish				LC		2	2	0	0	0	0	0	0	0	4	5	0	0	10	15	19	3	1	3	1	3	11	30	
<i>Umbra pygmaea</i>	Eastern Mudminnow				LC		2	2	0	0	0	0	0	0	1.7	5.7	0	0	0	10	10	15.7	3	1	1	4	3	12	27.7	