Shorthead redhorse (*Moxostoma macrolepidotum*)

Habitat:

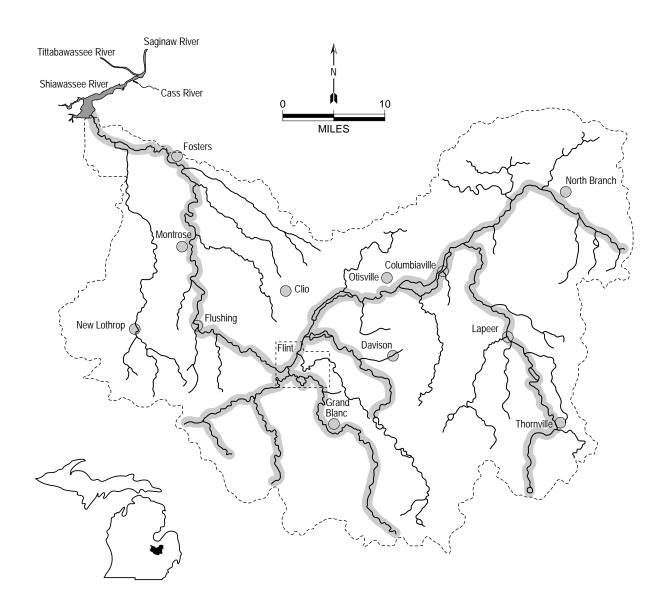
feeding - downstream sections of large rivers, lakes, and impoundments

- rocky substrates

- swift water near riffles

- clear to slightly turbid water

spawning - gravelly riffles in smaller feeder streams



Greater redhorse (*Moxostoma valenciennesi*)

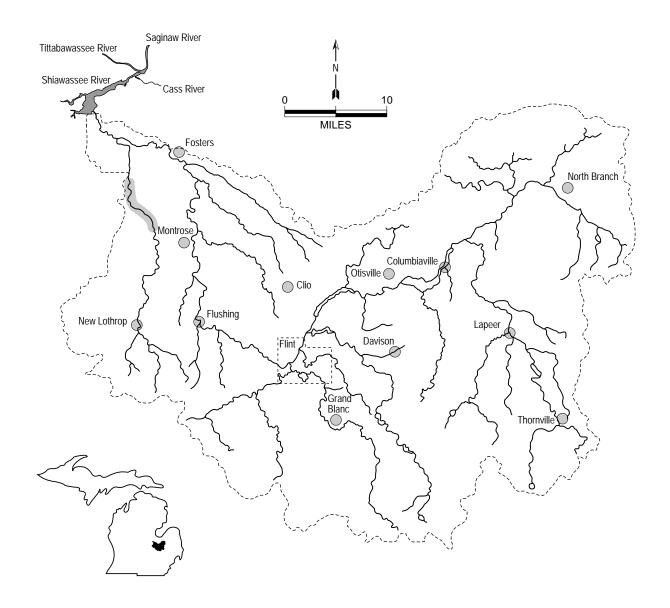
Habitat:

feeding - large clear streams

- clean sand, gravel, or boulder substrate

- intolerant of excessive turbidity and chemical pollutants

spawning - moderately rapid current



Yellow bullhead (Ameiurus natalis)

Habitat:

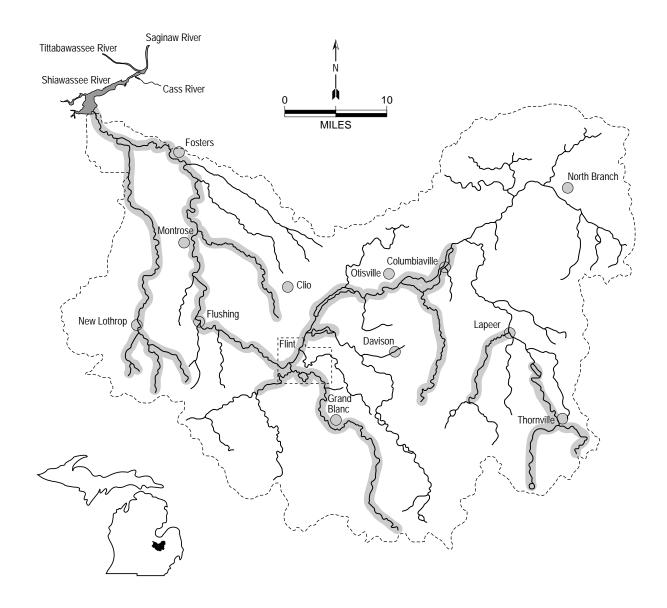
feeding - clear flowing water

- heavy vegetation

- low gradient streams, lakes, and impoundments

- tolerant of low oxygen

spawning - nest under a stream bank or near stones or stumps



Brown bullhead (Ameiurus nebulosus)

Habitat:

feeding - larger streams and rivers, lakes and impoundments

- clear cool water with little clayey silt

- moderate amounts of aquatic vegetation

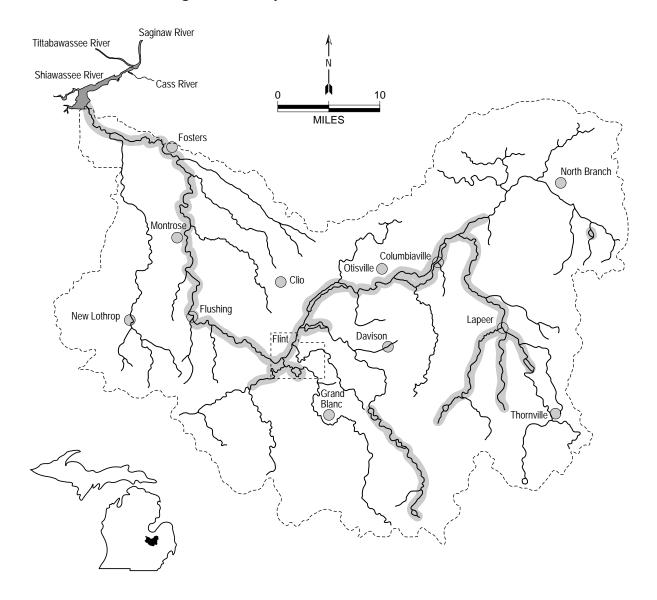
- sand, gravel, or muck substrate

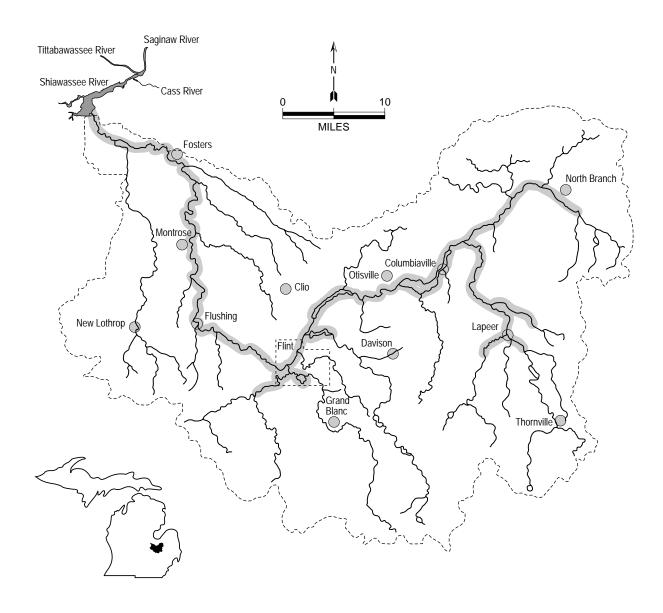
- not tolerant of turbid water

- tolerant of warm water and low oxygen

spawning - nest in mud or sand substrate among rooted aquatic vegetation usually near a stump, tree, or rock

winter refuge - in muddy bottoms





Stonecat (*Noturus flavus*)

Habitat:

feeding - consistent low to moderate gradient flowing water

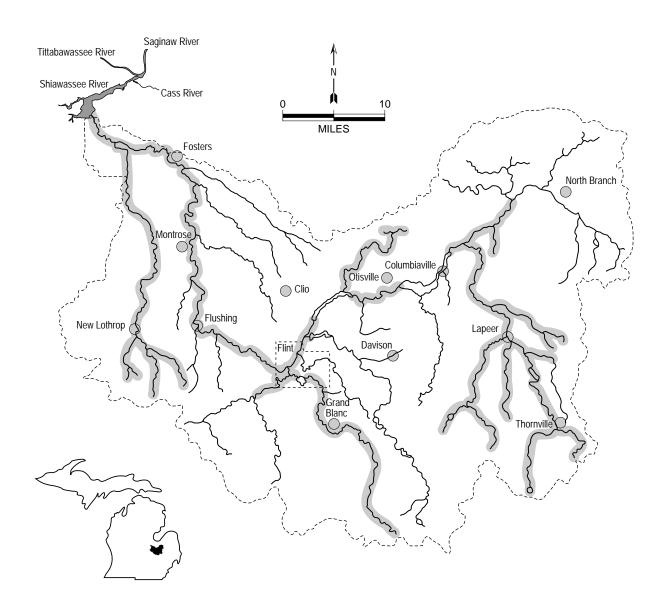
- rocky riffles of larger streams and smaller rivers

- not tolerant of silt

- tolerant of low oxygen and pollution

spawning - eggs deposited beneath stones

- shallow rocky areas of streams or lakes



Tadpole madtom (*Noturus gyrinus*)

Habitat:

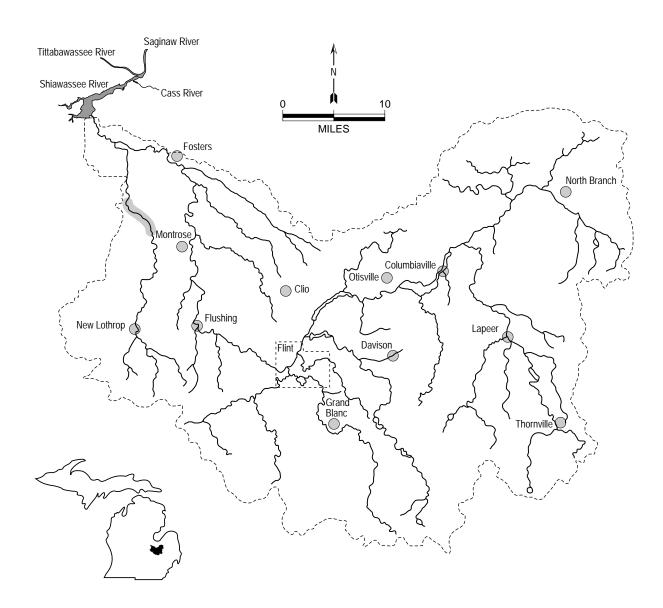
feeding - vegetative cover in low-moderate current waters

- muddy substrate with extensive vegetation

- clear waters of streams, rivers, and lakes

spawning - mostly in rivers, sometimes shallows of lakes

- nests in dark cavities (ex: beneath boards, logs, crayfish burrows)



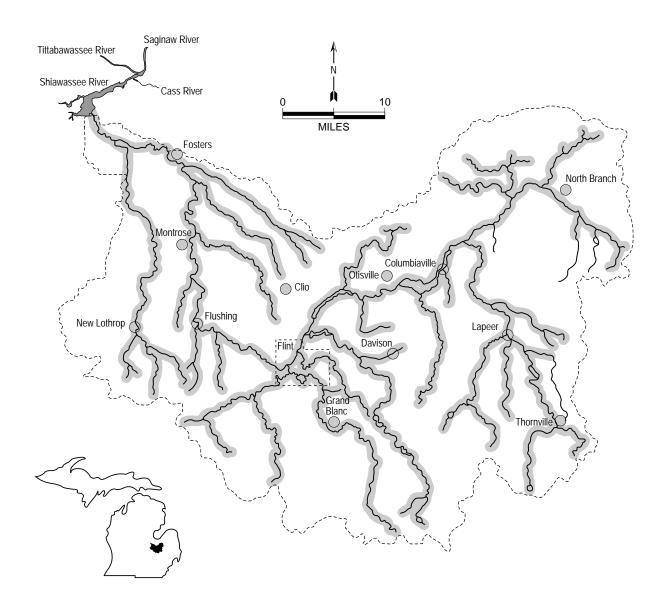
Grass pickerel (*Esox americanus vermiculatus*)

Habitat:

feeding - juveniles: along shore

- adults: in deeper portions of streams, rivers, lakes, and impoundments
- clear water, little current, dense vegetation
- tolerates low oxygen concentrations

spawning - broadcast spawner over submerged vegetation



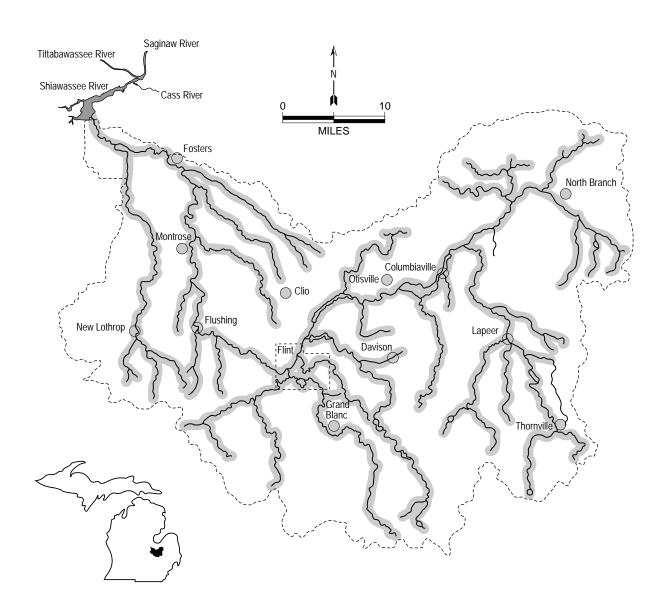
Northern pike (Esox lucius)

Habitat:

feeding - cool to moderately warm streams, rivers, lakes, and impoundments

- vegetation in slow to moderate current

spawning - submerged vegetation with slow current in shallow water



Tiger muskellunge (*Esox masquinongy x E. lucius*)

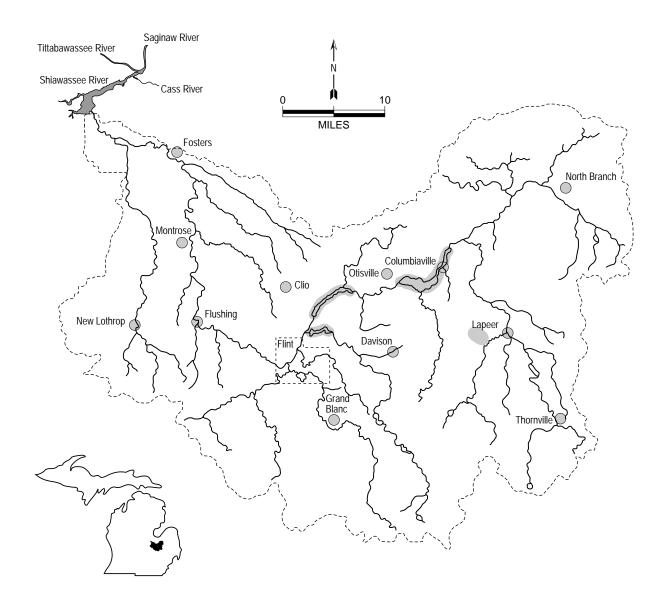
Habitat:

feeding - intermediate between muskellunge and northern pike

spawning - hybrid species; muskellunge x northern pike

- occasionally produced in wild, but most often from hatcheries

- males are sterile, females may be fertile



Central mudminnow (Umbra limi)

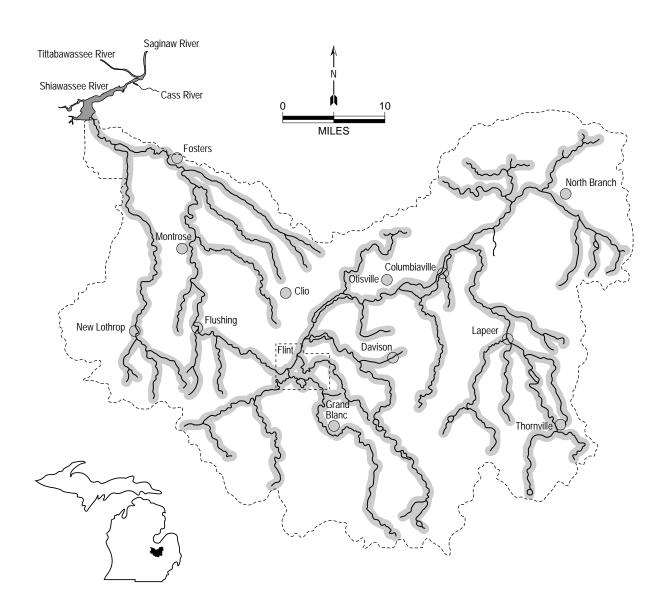
Habitat:

feeding - undisturbed clear, low-gradient streams or rivers and lakes and impoundments

- organic debris, muck, or peat substrates

- aquatic vegetation

spawning - floodplain areas, on vegetation



Coho salmon (Oncorhynchus kisutch)

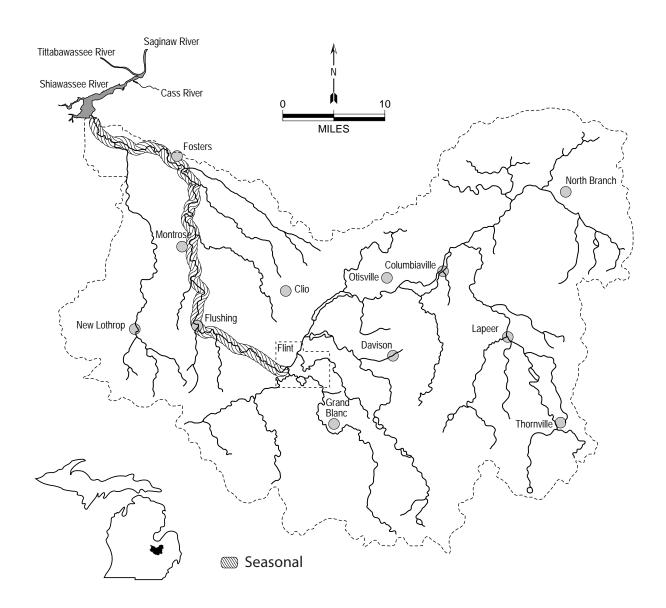
Habitat:

feeding - adults: Lake Huron

- young: shallow gravel substrate in cold streams, later into pools

spawning - cold streams and rivers

- swifter water of shallow gravelly substrate



Rainbow trout (Oncorhynchus mykiss)

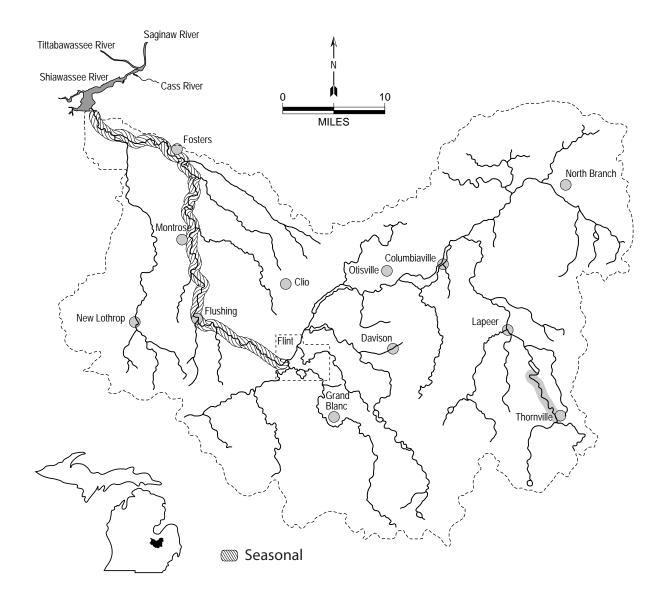
Habitat:

feeding - cold clear water of rivers and Lake Huron

- moderate current

spawning - gravelly riffles above a pool

- smaller tributaries



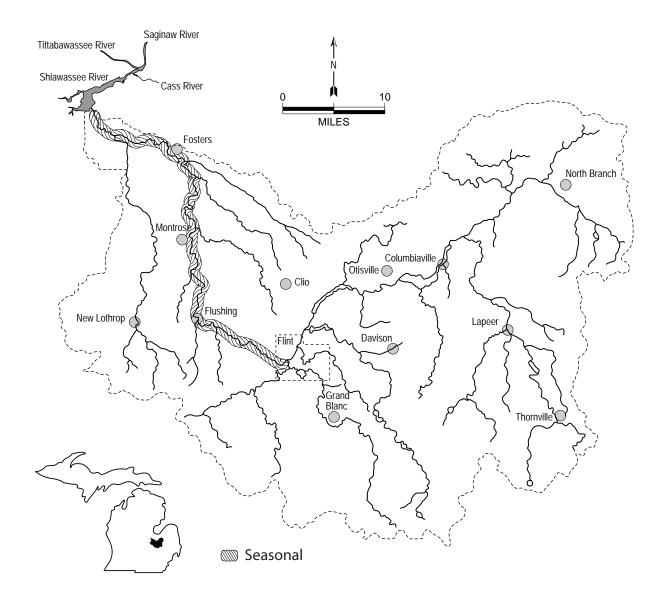
Chinook salmon (Oncorhynchus tshawyscha)

Habitat:

feeding - adults: Lake Huron

- young: shallow gravel substrate in cool streams, later into pools

spawning - gravelly substrate in cool streams



Brown trout (Salmo trutta)

Habitat:

feeding - cold, clear streams, rivers, and lakes (not >70°F)

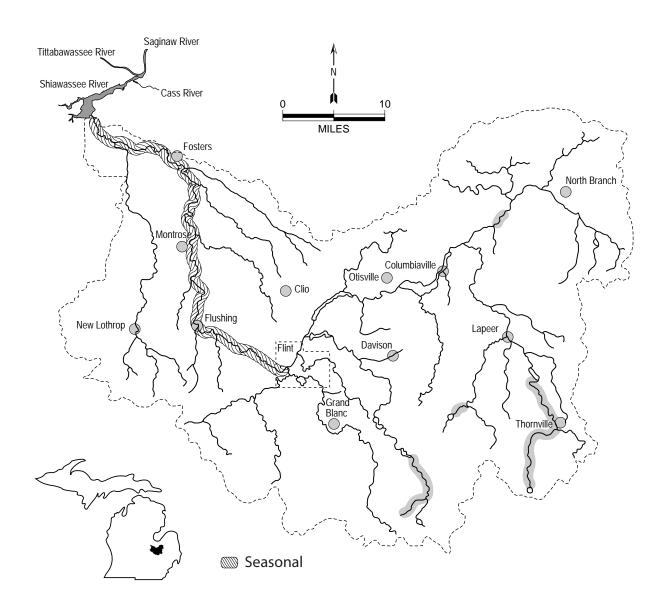
- medium to swift current in streams

- does not tolerate silt well

- prefers few individuals and species around

- abundance of aquatic and land insects

spawning - gravelly riffles; shallow headwater areas



Brook trout (Salvelinus fontinalis)

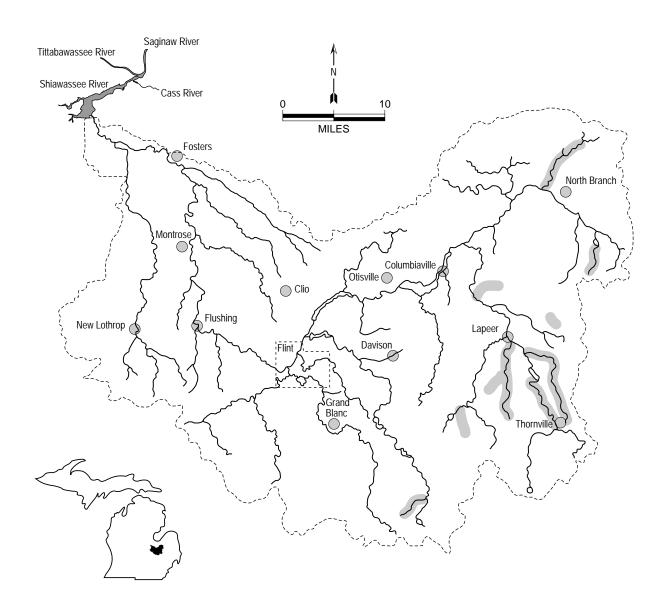
Habitat:

feeding - cold, clear streams, rivers, and lakes (not >65°F)

- low current

- well oxygenated water

spawning - gravelly riffles; shallow or headwater streams



Trout-perch (*Percopsis omiscomaycus*)

Habitat:

feeding - clean sand or fine gravel substrate

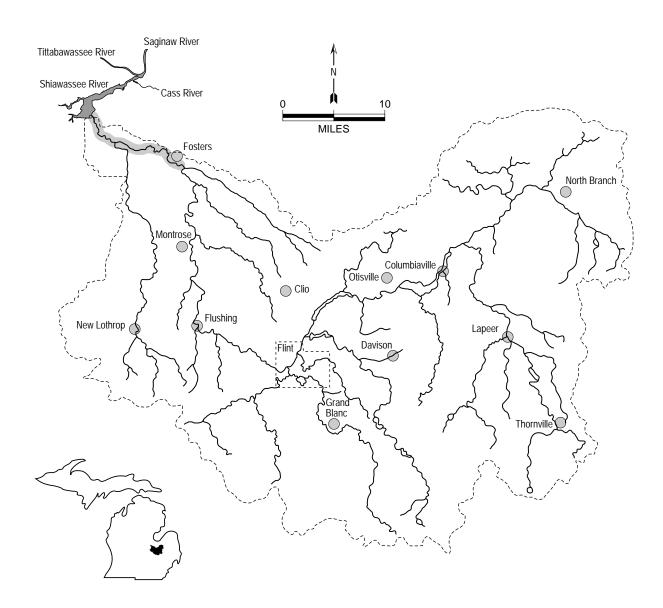
- long deep pools in low gradient streams and Lake Huron

- highly intolerant of clayey silts

- avoids rooted aquatic vegetation

spawning - over rocks in shallows

- over sand and gravel substrates in Lake Huron

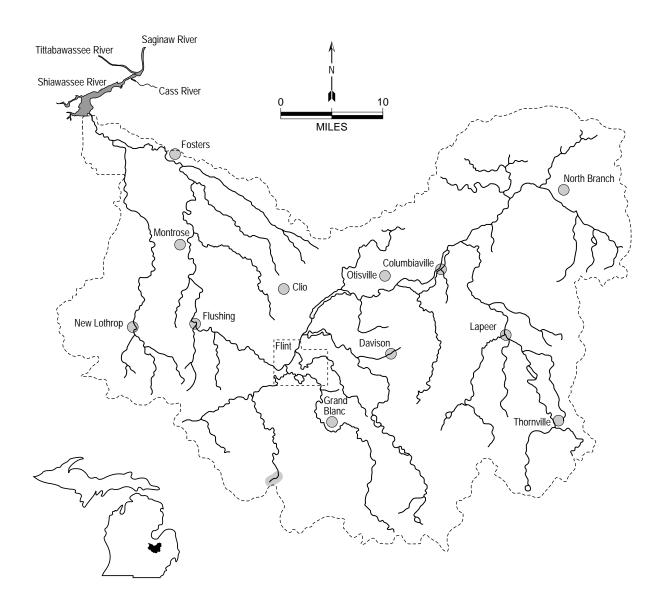


Pirate perch (*Aphredoderus sayanus*)

Habitat:

feeding - oxbows, overflow ponds, marshes, estuaries, pools

- medium to large rivers
- low gradient, less than 3ft/mi
- sand or muck substrates covered with organic debris
- pools bordered by emergent aquatic vegetation
- clear, warm, quiet water



Banded killifish (Fundulus diaphanus)

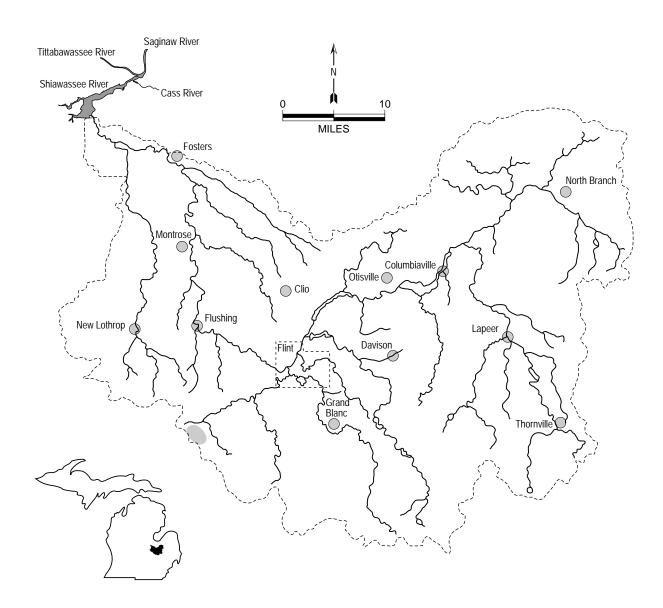
Habitat:

feeding - quiet backwaters at the mouths of streams and lakes

- substrate of sand, gravel, and a few boulders

- also found over detritus substrate where patches of submerged aquatic vegetation are present

spawning - quiet areas of weedy pools



Brook silverside (Labidesthes sicculus)

Habitat:

feeding - clear, warm pools in streams and rivers; also lakes

- does not tolerate turbidity

- most frequently at surface

spawning - in and around aquatic vegetation or over gravel substrate with a moderate current

