

**American eel (*Anguilla rostrata*)**

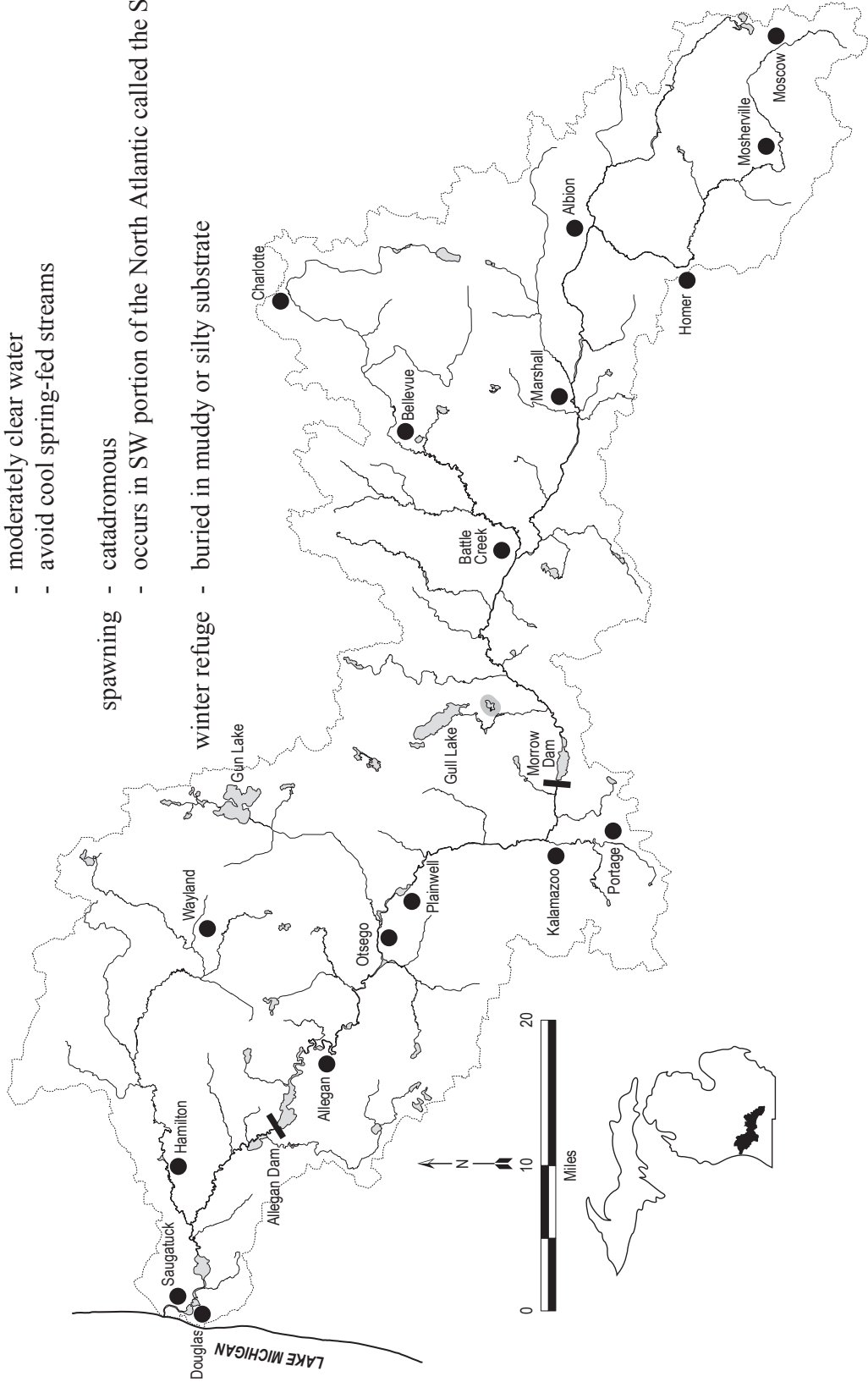
**Habitat:**

- feeding - medium to large rivers and Lake Michigan
- must have current
- moderately clear water
- avoid cool spring-fed streams

**spawning - catadromous**

- occurs in SW portion of the North Atlantic called the Sargasso Sea

**winter refuge - buried in muddy or silty substrate**

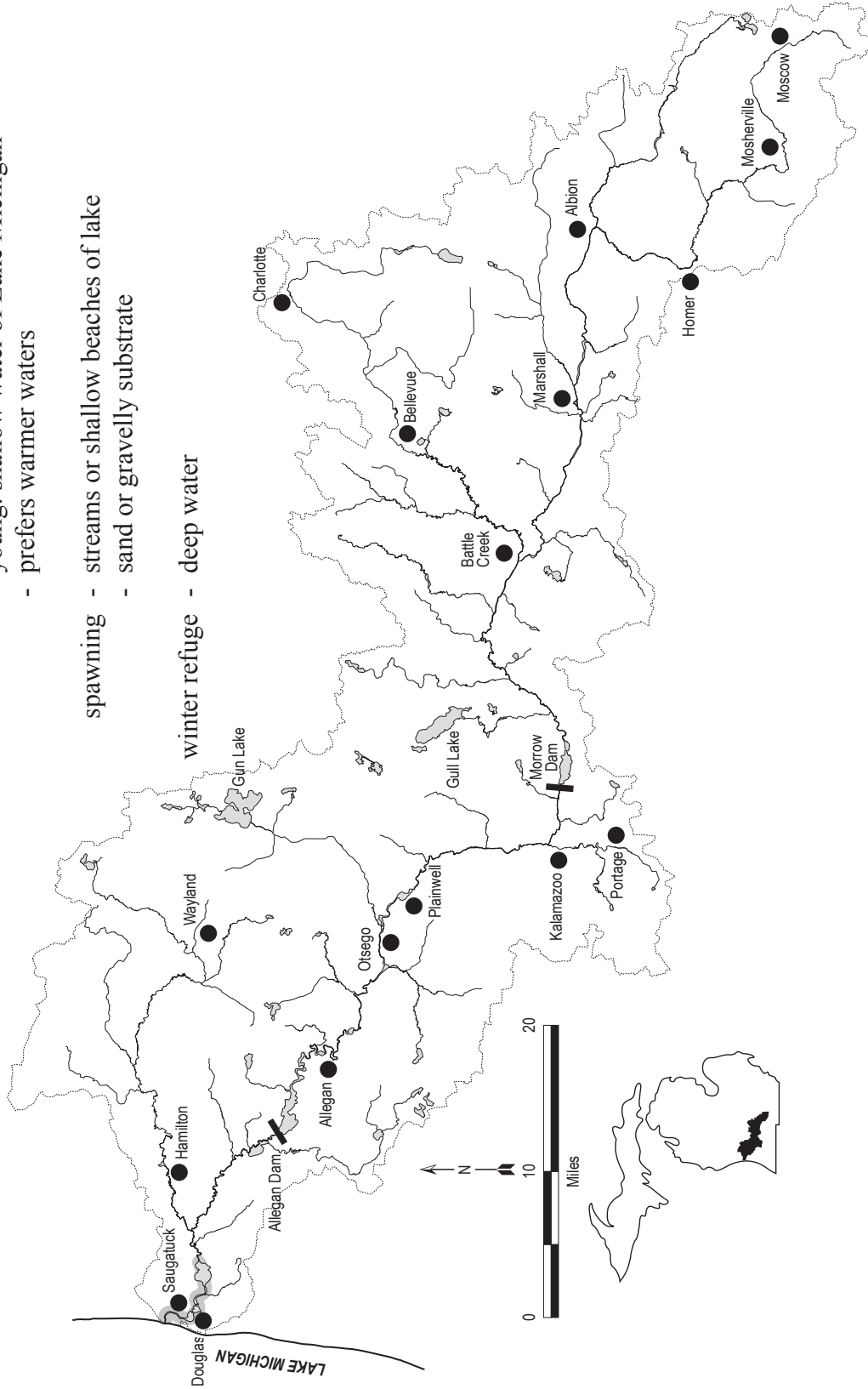


**Alewife (*Alosa pseudoharengus*)**

**Habitat:**

- feeding - adults: deep water of Lake Michigan
- young: shallow water of Lake Michigan
- prefers warmer waters
- spawning - streams or shallow beaches of lake
- sand or gravelly substrate

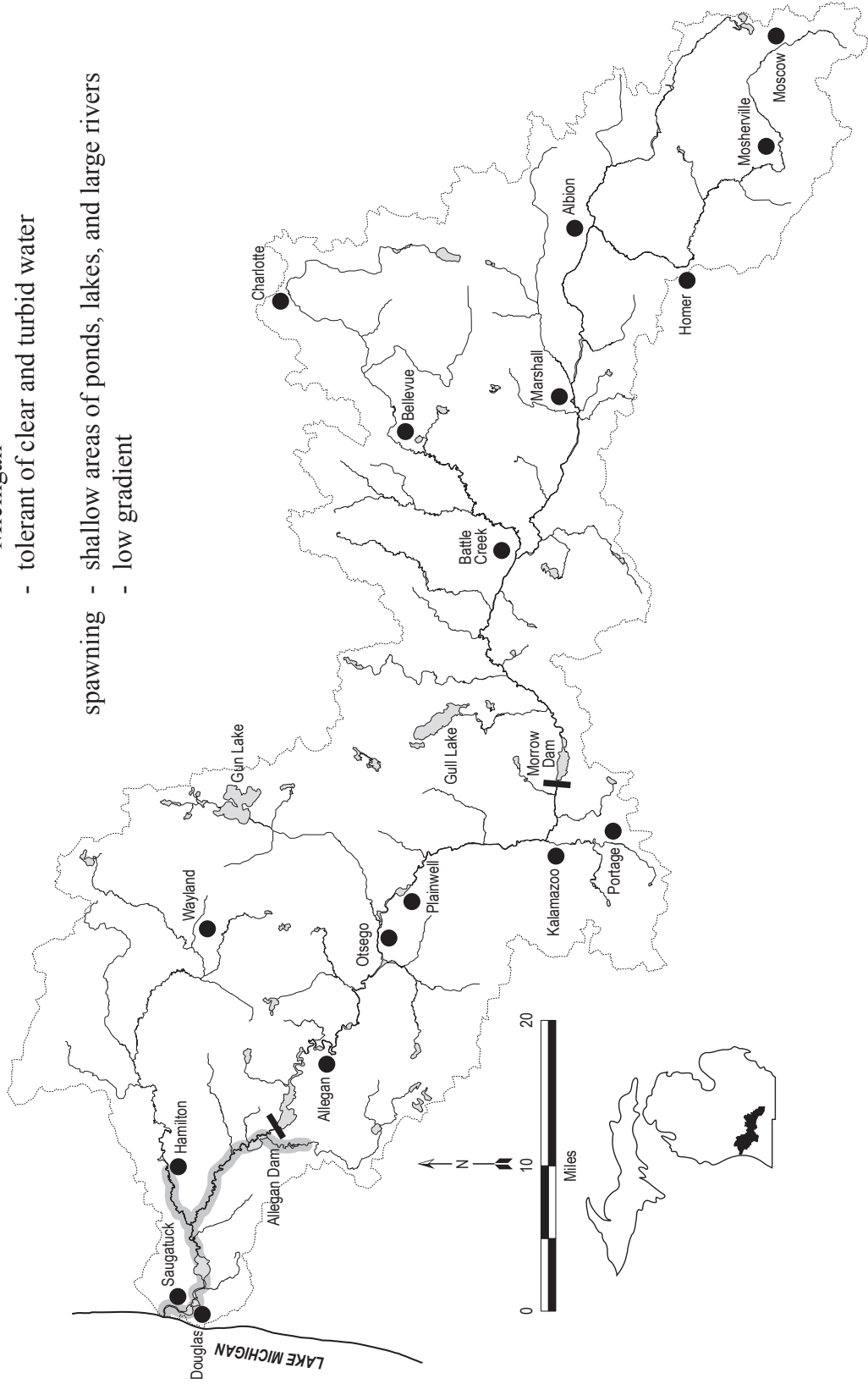
winter refuge - deep water



**Gizzard shad (*Dorosoma cepedianum*)**

**Habitat:**

- feeding - large streams with low gradient, impoundments, and Lake Michigan
- tolerant of clear and turbid water
- spawning - shallow areas of ponds, lakes, and large rivers
- low gradient

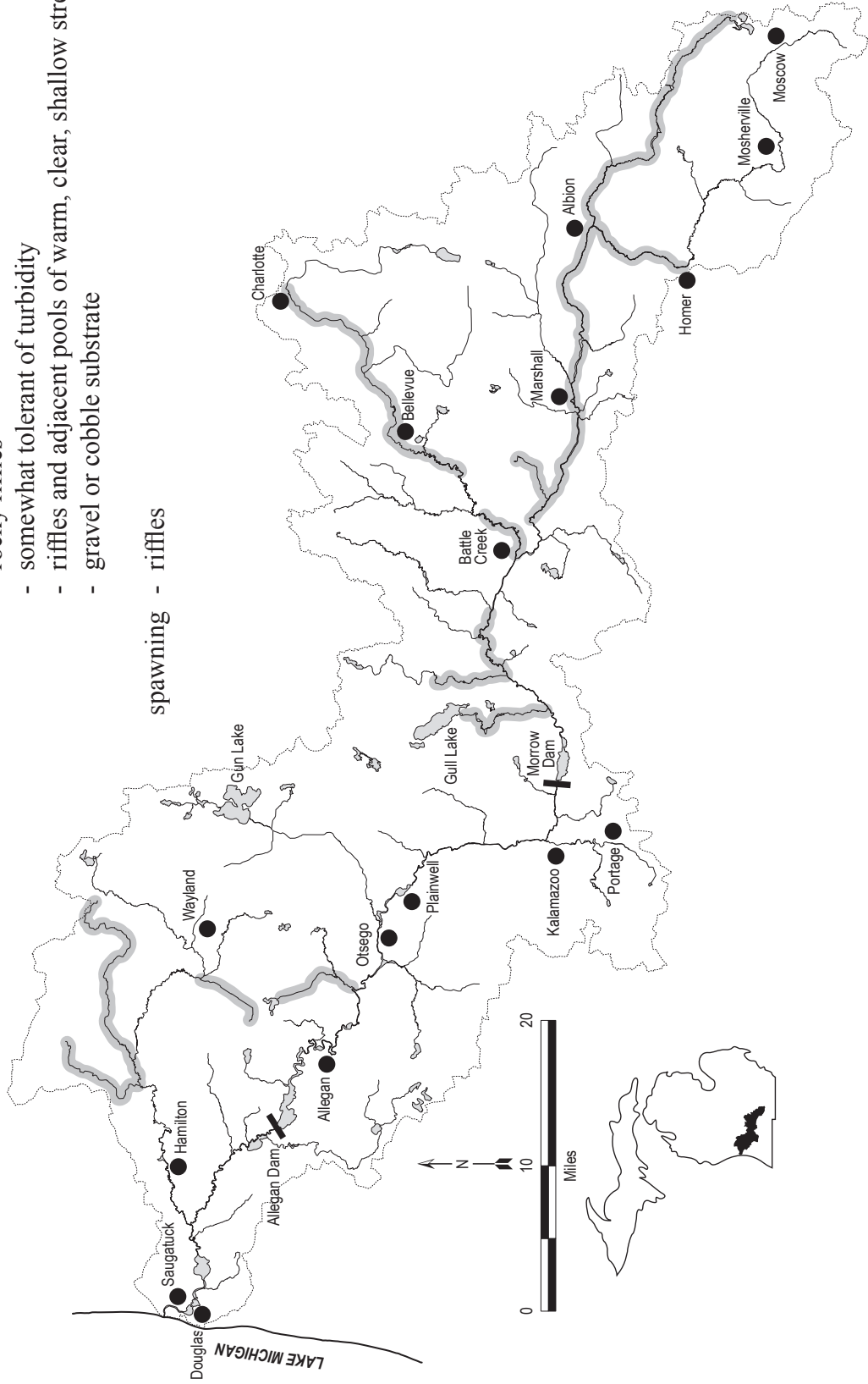


**Central stoneroller (*Campostoma anomalum pullam*)**

**Habitat:**

- moderate to high gradients
- rocky riffles
- somewhat tolerant of turbidity
- riffles and adjacent pools of warm, clear, shallow streams
- gravel or cobble substrate

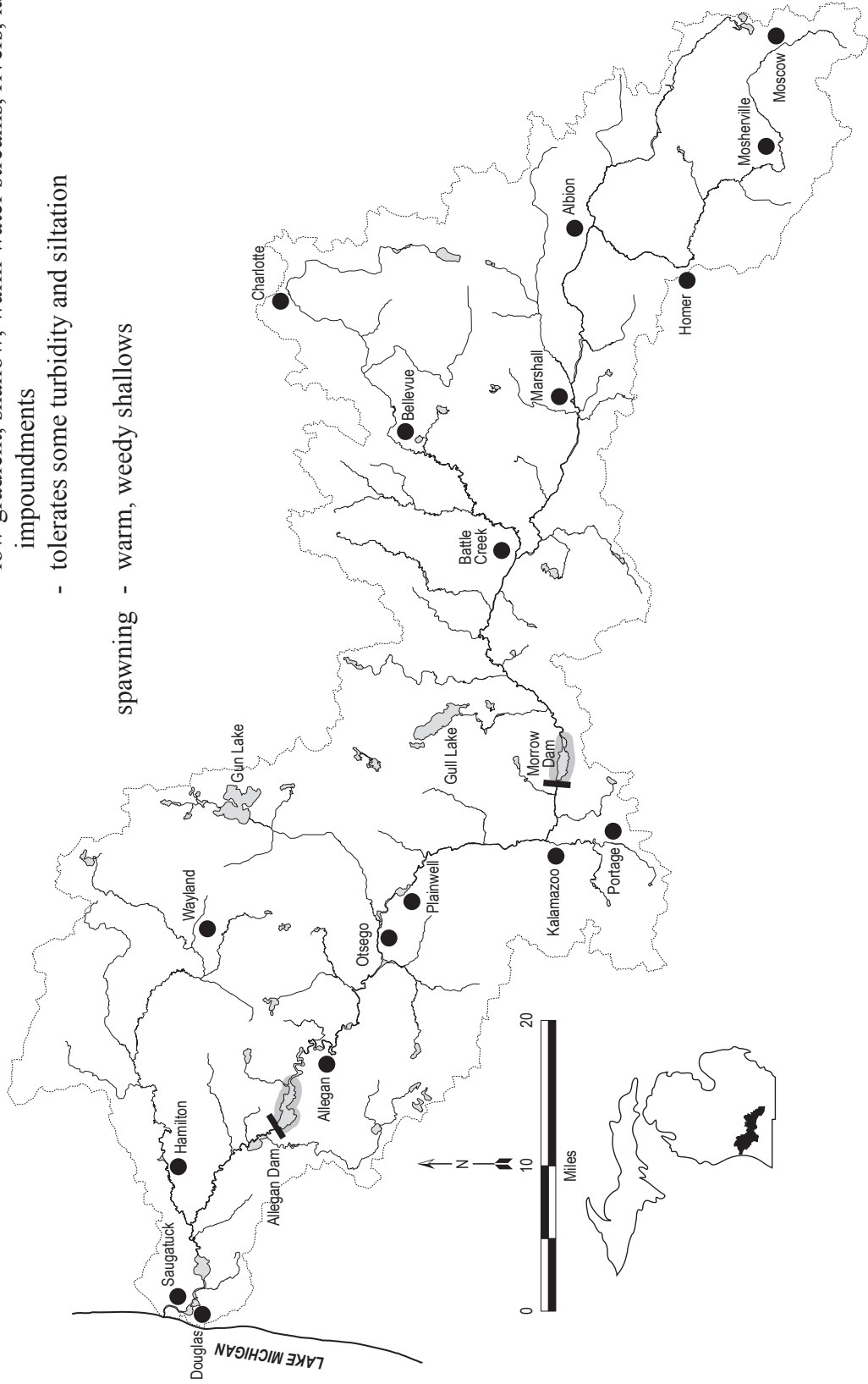
spawning - riffles



**Goldfish (*Carassius auratus*)**

**Habitat:**

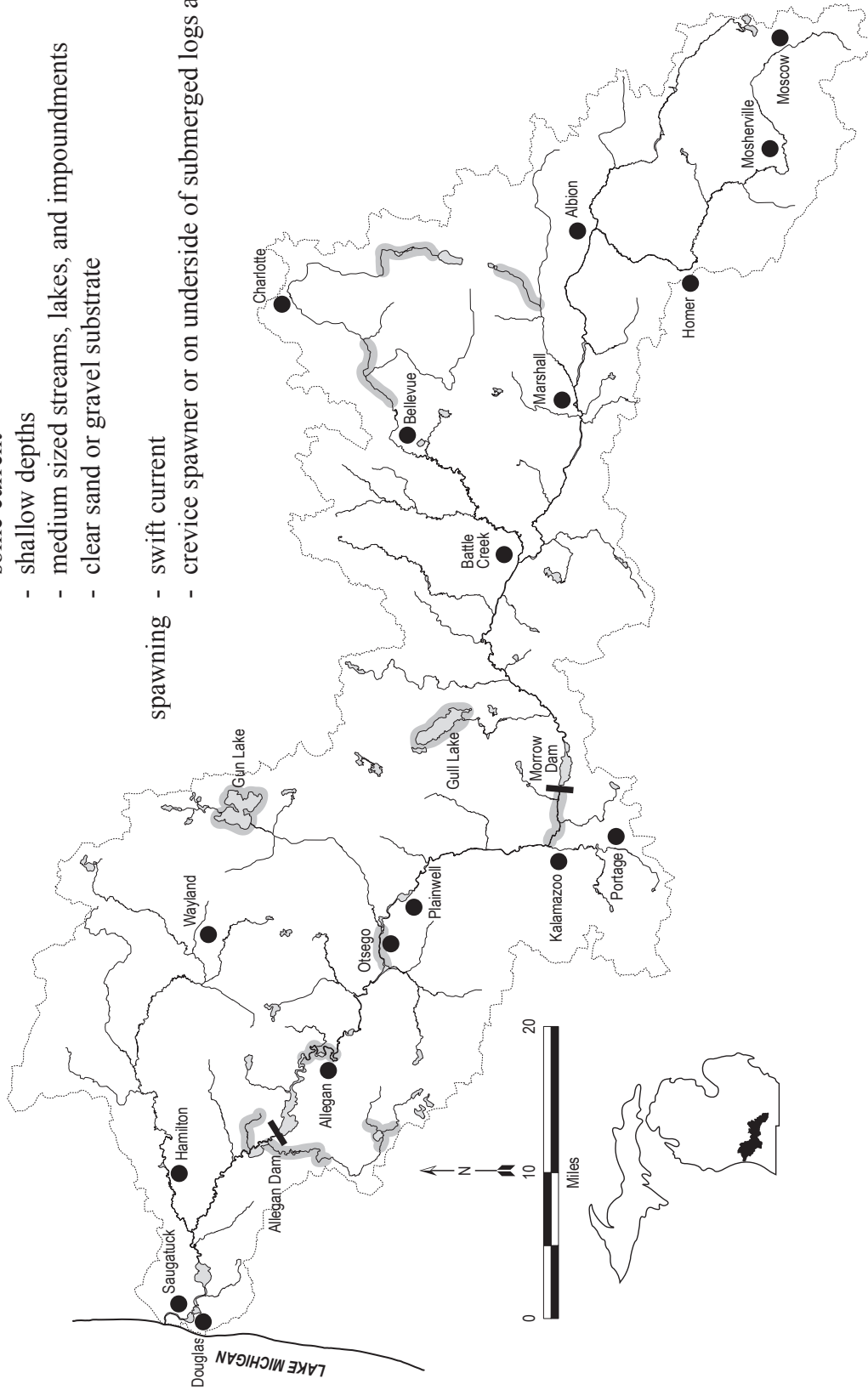
- feeding - vegetation
  - low gradient, shallow, warm water streams, rivers, lakes, and impoundments
  - tolerates some turbidity and siltation
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- spawning - warm, weedy shallows



**Spotfin shiner (*Cyprinella spiloptera*)**

**Habitat:**

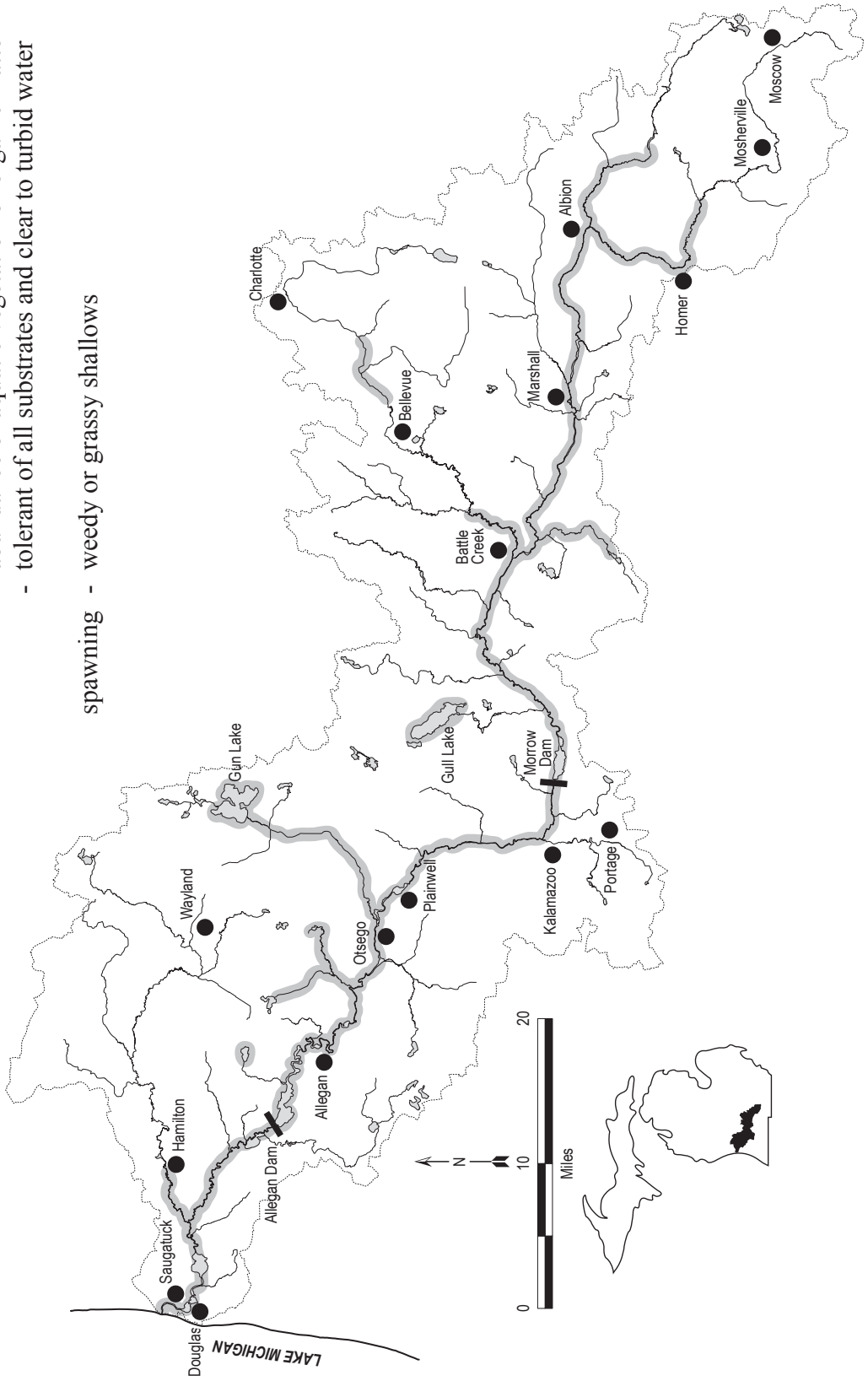
- feeding - clear water tolerant of turbidity and siltation
  - some current
  - shallow depths
  - medium sized streams, lakes, and impoundments
  - clear sand or gravel substrate
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- spawning - swift current
  - crevice spawner or on underside of submerged logs and roots



**Common carp (*Cyprinus carpio*)**

**Habitat:**

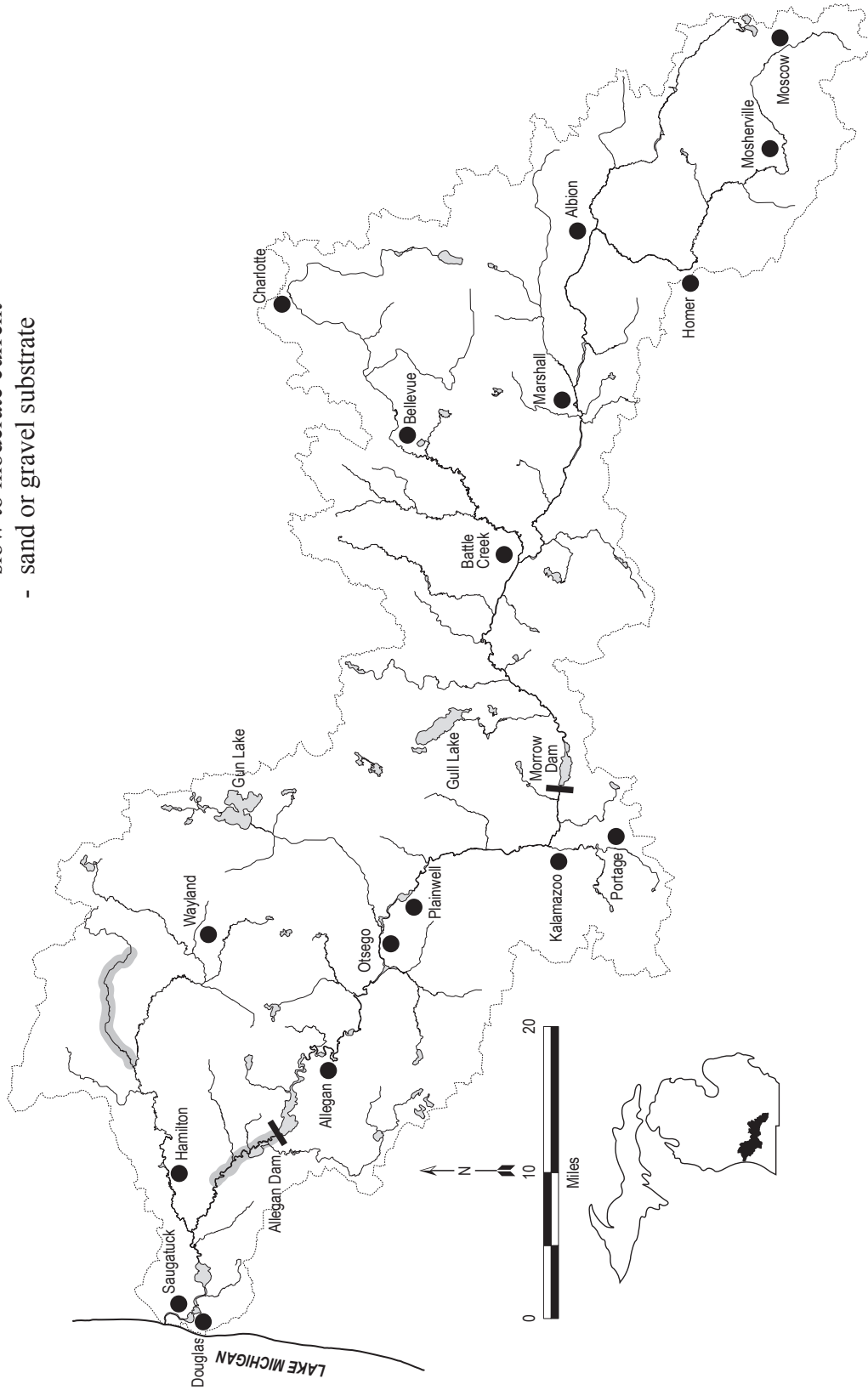
- feeding - low gradient fertile streams, rivers, lakes, and impoundments
  - abundance of aquatic vegetation or organic matter
  - tolerant of all substrates and clear to turbid water
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- spawning - weedy or grassy shallows



**Brassy minnow (*Hybognathus hankinsoni*)**

**Habitat:**

- cool acidic streams
- slow to moderate current
- sand or gravel substrate

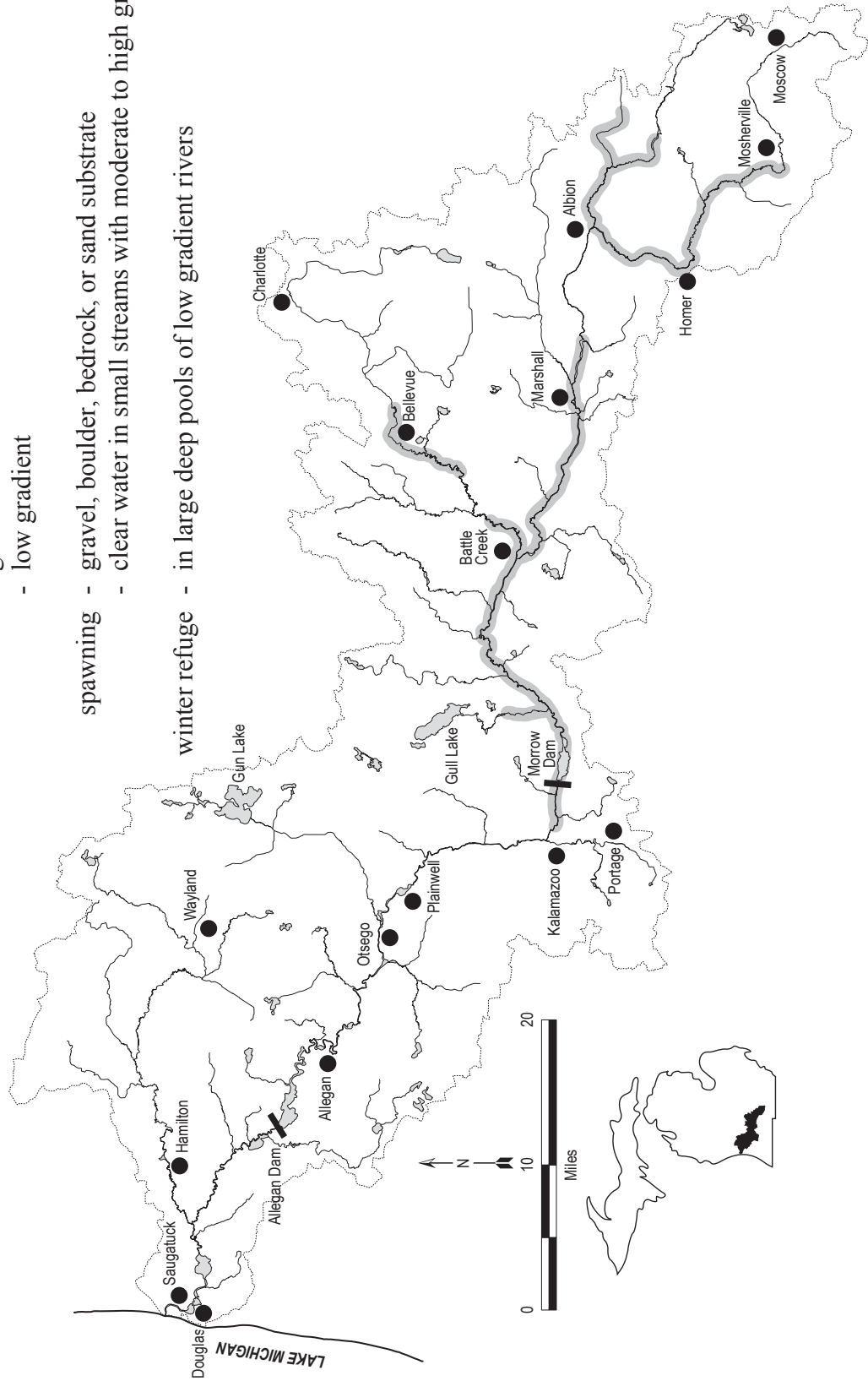




**Striped shiner (*Luxilus chrysocephalus*)**

**Habitat:**

- feeding - clear to slightly turbid streams and rivers
- gravel substrate
- low gradient
  
- spawning - gravel, boulder, bedrock, or sand substrate
- clear water in small streams with moderate to high gradient
  
- winter refuge - in large deep pools of low gradient rivers



**Common shiner (*Luxilus cornutus*)**

**Habitat:**

- feeding - small, clear, high-gradient streams and rivers, or shores of clear water lakes and impoundments
- gravel substrate
- can tolerate some submerged aquatic vegetation
- not very tolerant of turbidity or silted waters

spawning - gravel nests of other fish, especially those at the head of a riffle

