

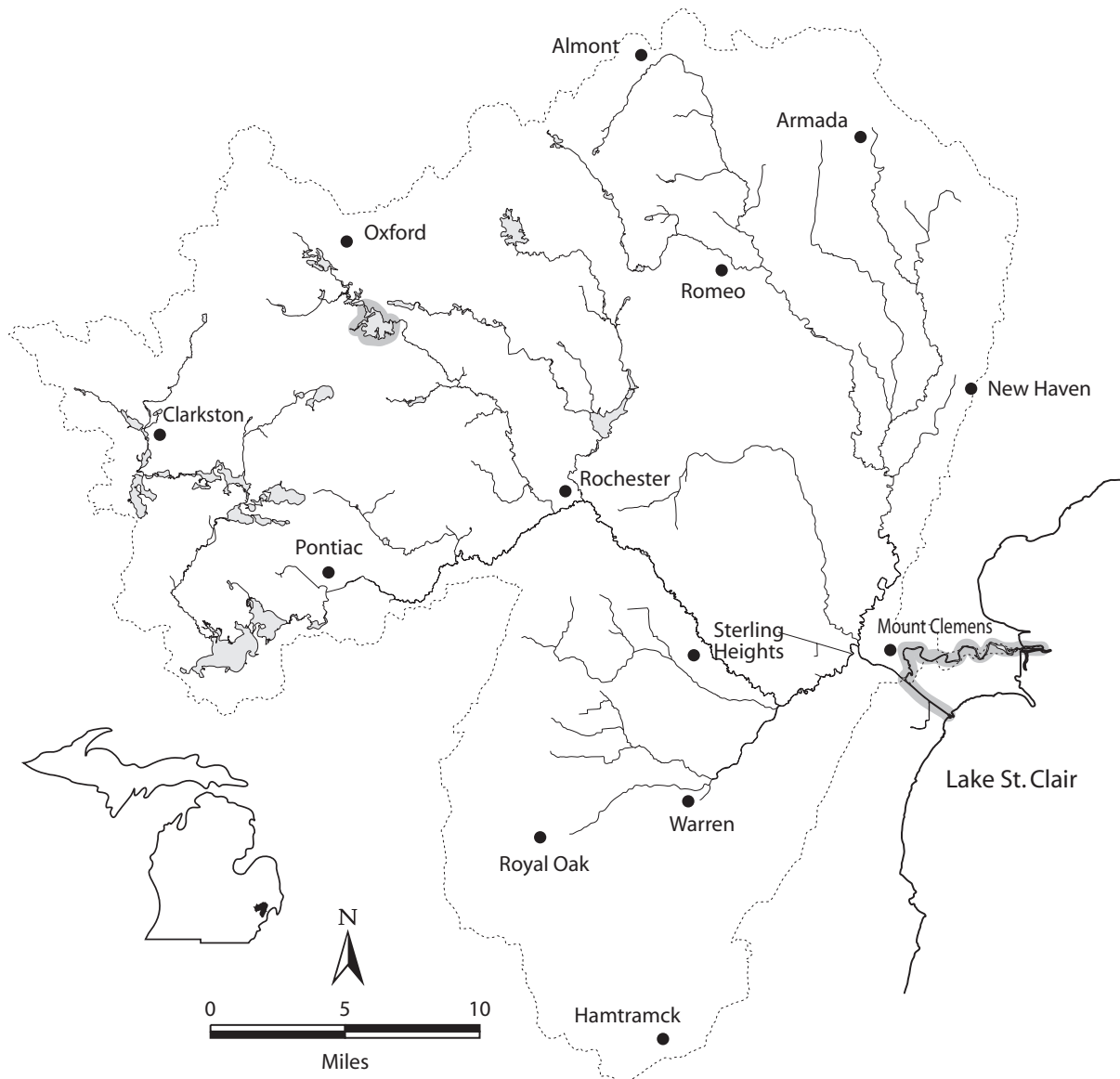
Alewife *Alosa pseudoharengus*

Habitat:

- feeding - Lake St. Clair
- prefers warmer waters

- spawning - streams or shallow beaches of lake
- sand or gravelly substrate

- winter refuge - deep water

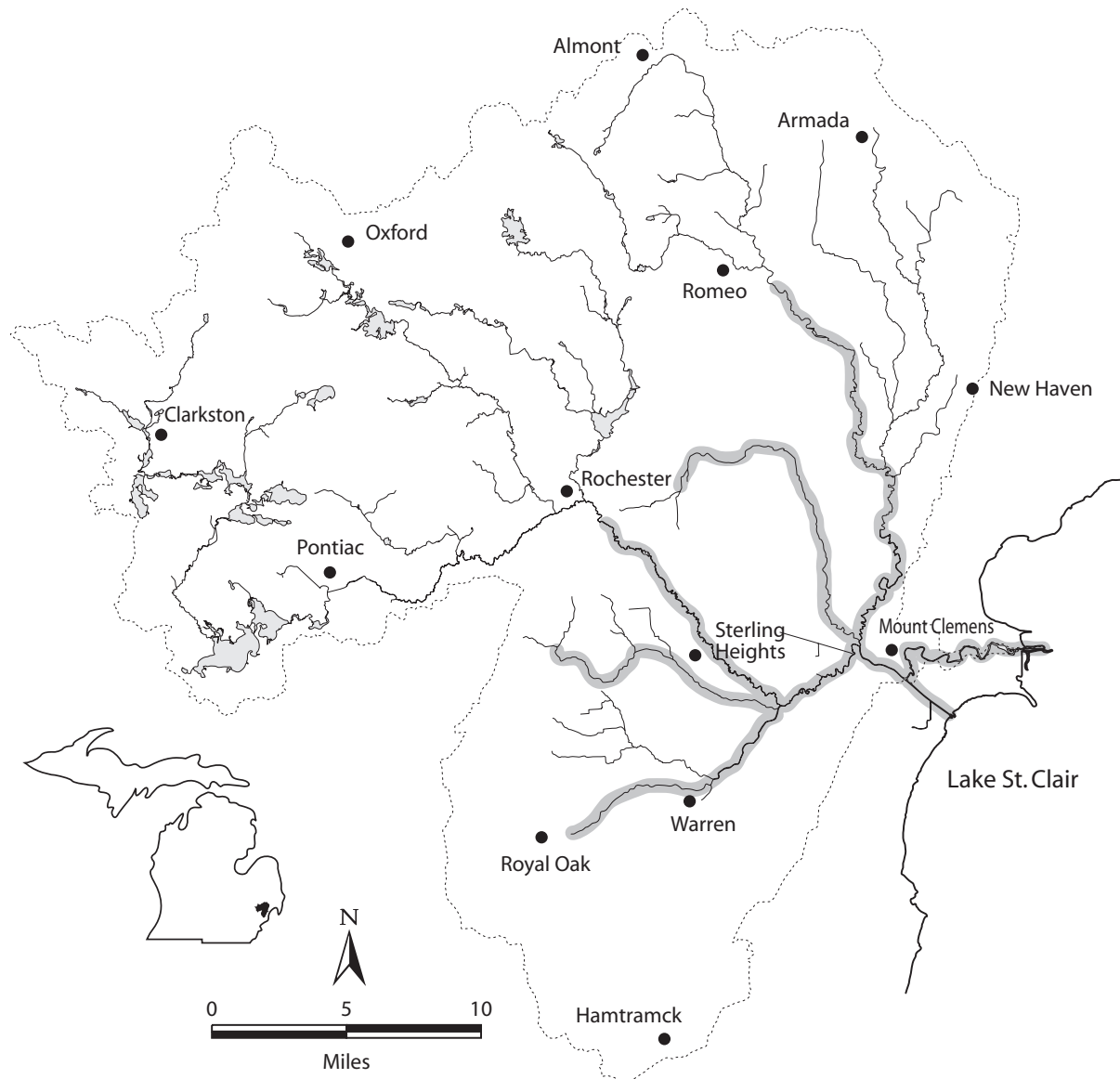


Gizzard shad *Dorosoma cepedianum*

Habitat:

- feeding - large streams with low gradient, impoundments, and Lake St. Clair
- tolerant of clear and turbid water

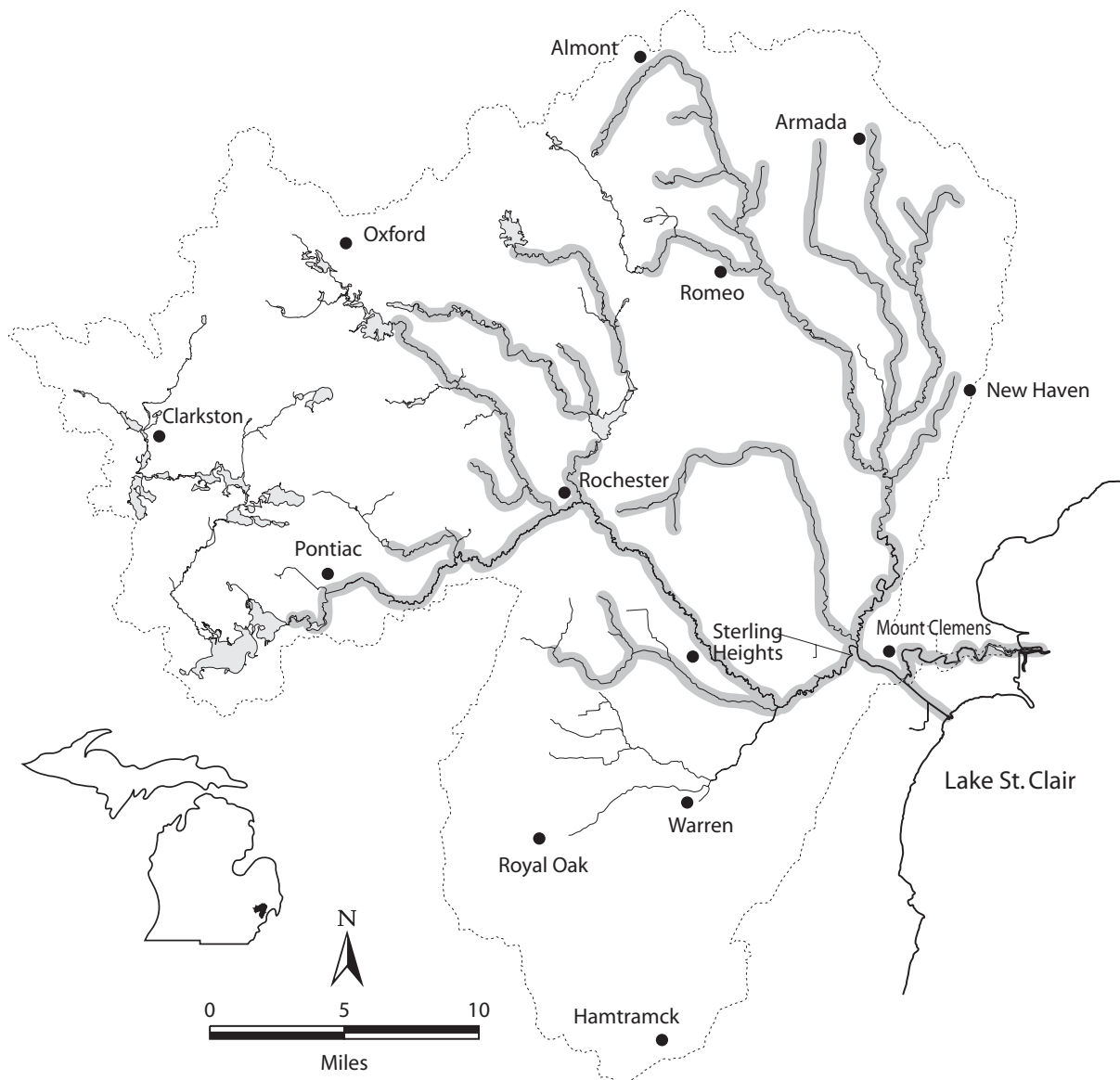
- spawning - shallow areas of ponds, lakes, and large rivers
- low gradient



Central stoneroller *Campostoma anomalum*

Habitat:

- feeding - 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, nest with a deep pool or bank overhang

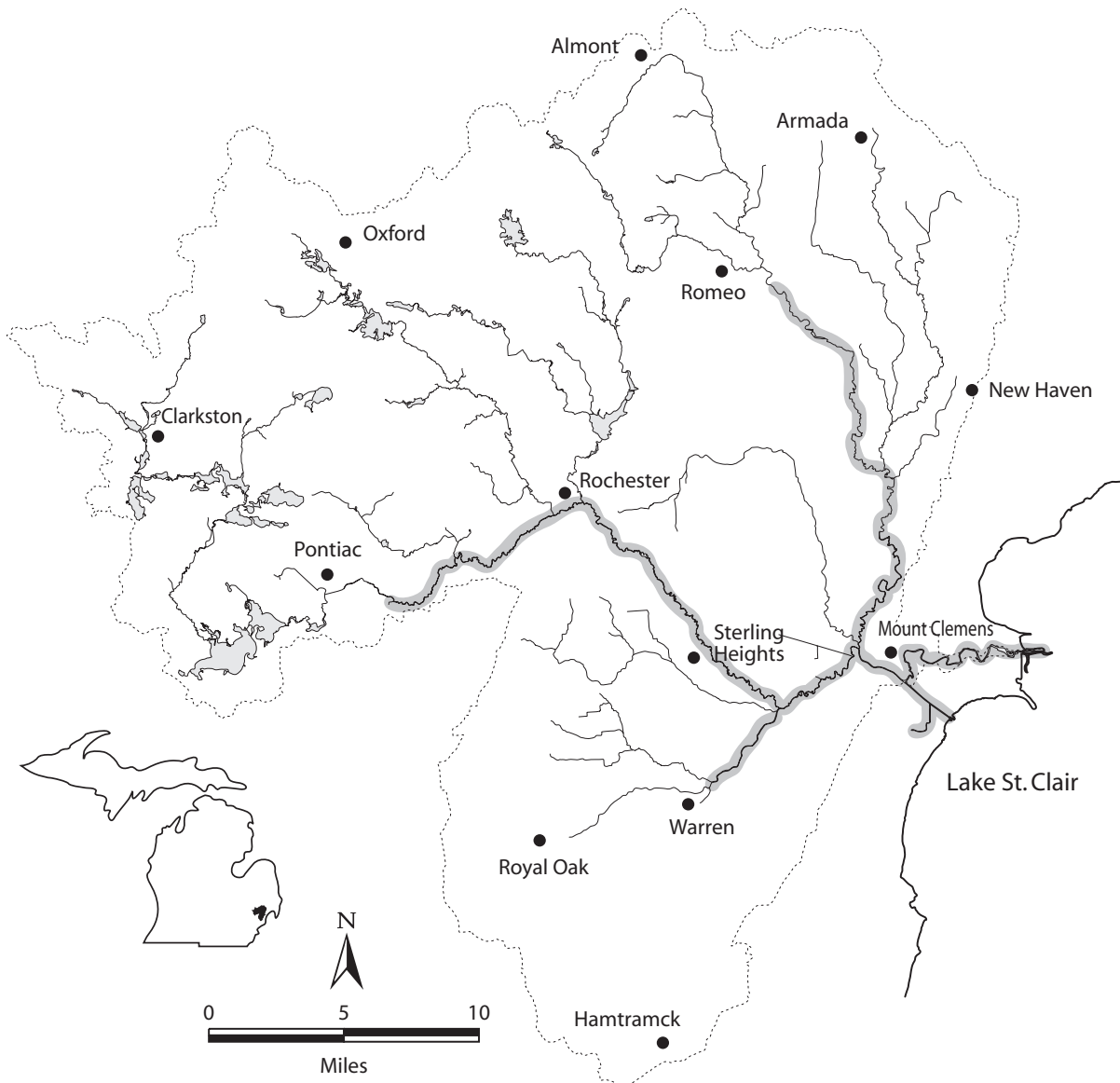


Goldfish *Carassius auratus*

Habitat:

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

- spawning - warm, weedy shallows

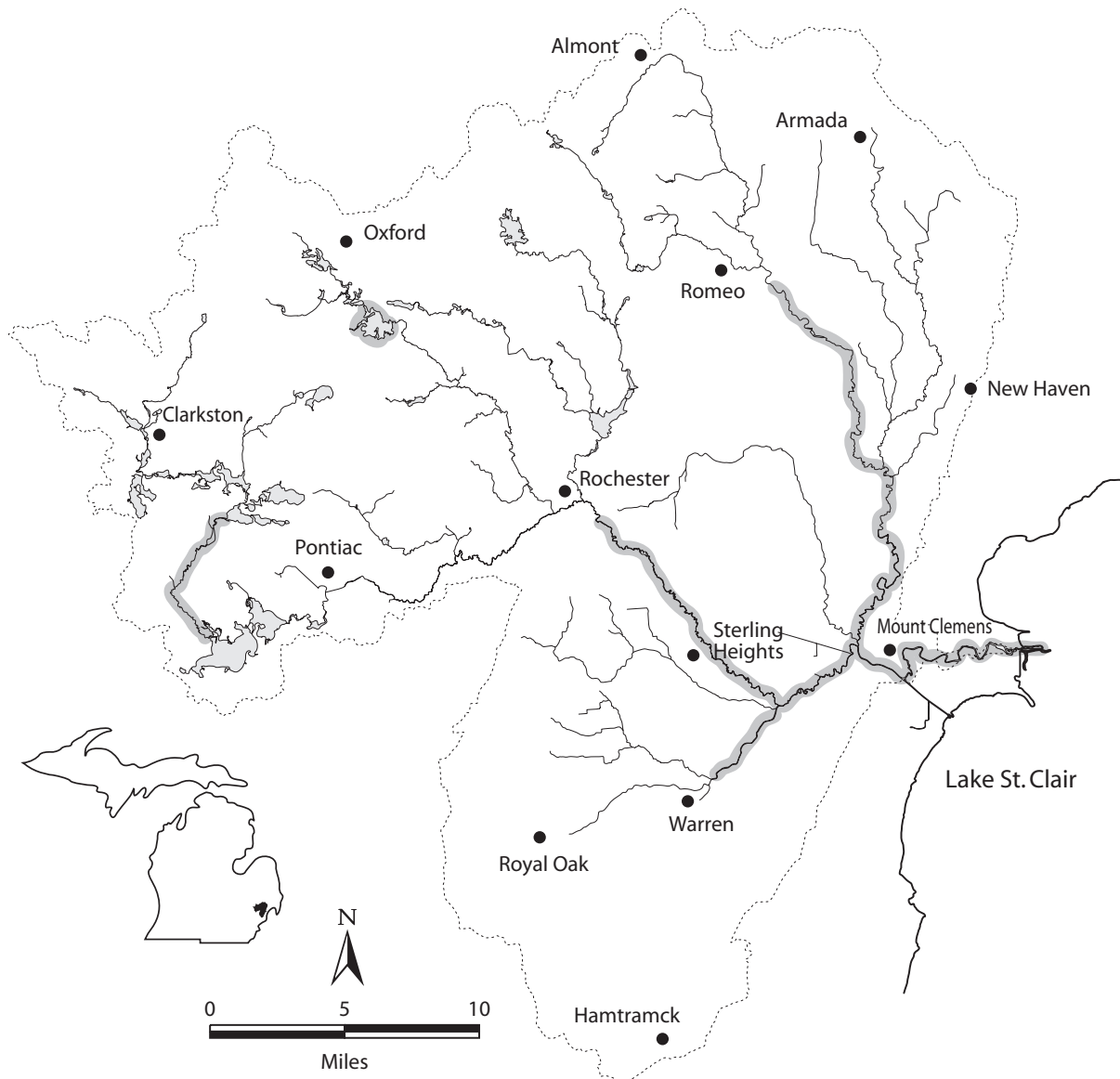


Spotfin shiner *Cyprinella spiloptera*

Habitat:

- feeding - clear water tolerant of turbidity and siltation
- some current
- shallow depths
- medium sized streams, lakes, and impoundments
- clear sand or gravel substrate

- spawning - swift current
- crevice spawner or on underside of submerged logs and roots

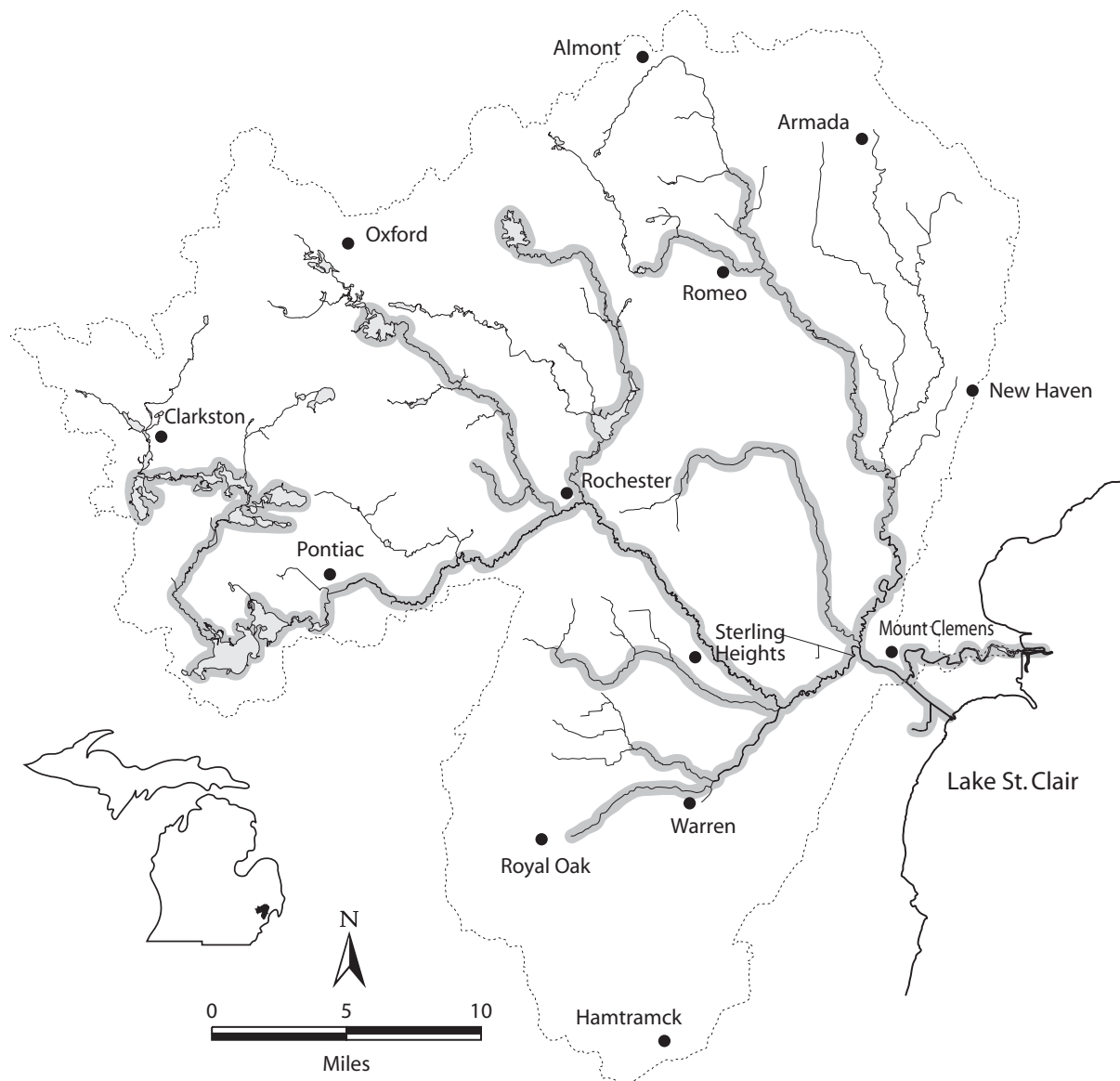


Common carp *Cyprinus carpio*

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

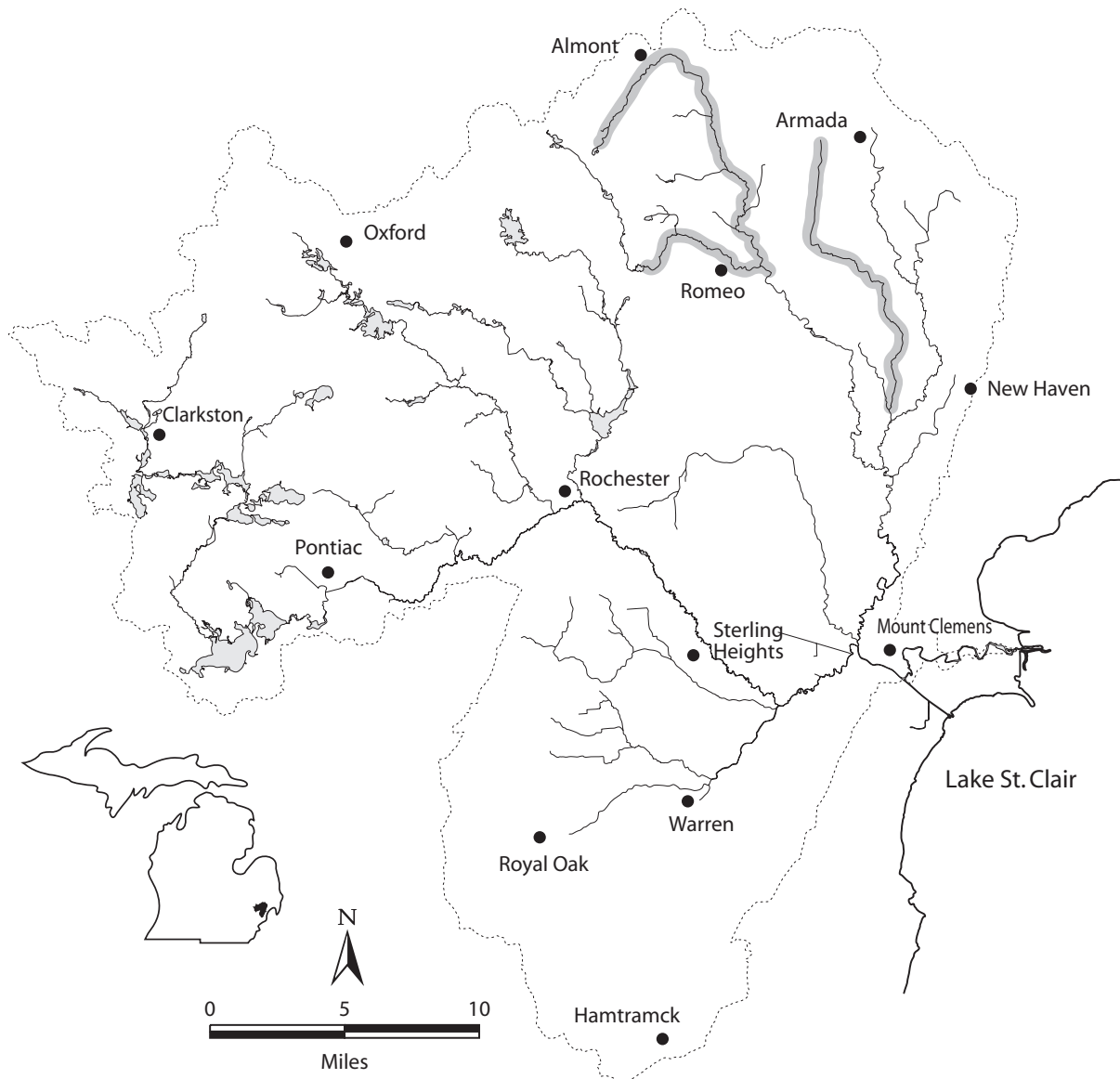
- spawning - weedy or grassy shallows



Brassy minnow *Hybognathus hankinsoni*

Habitat:

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



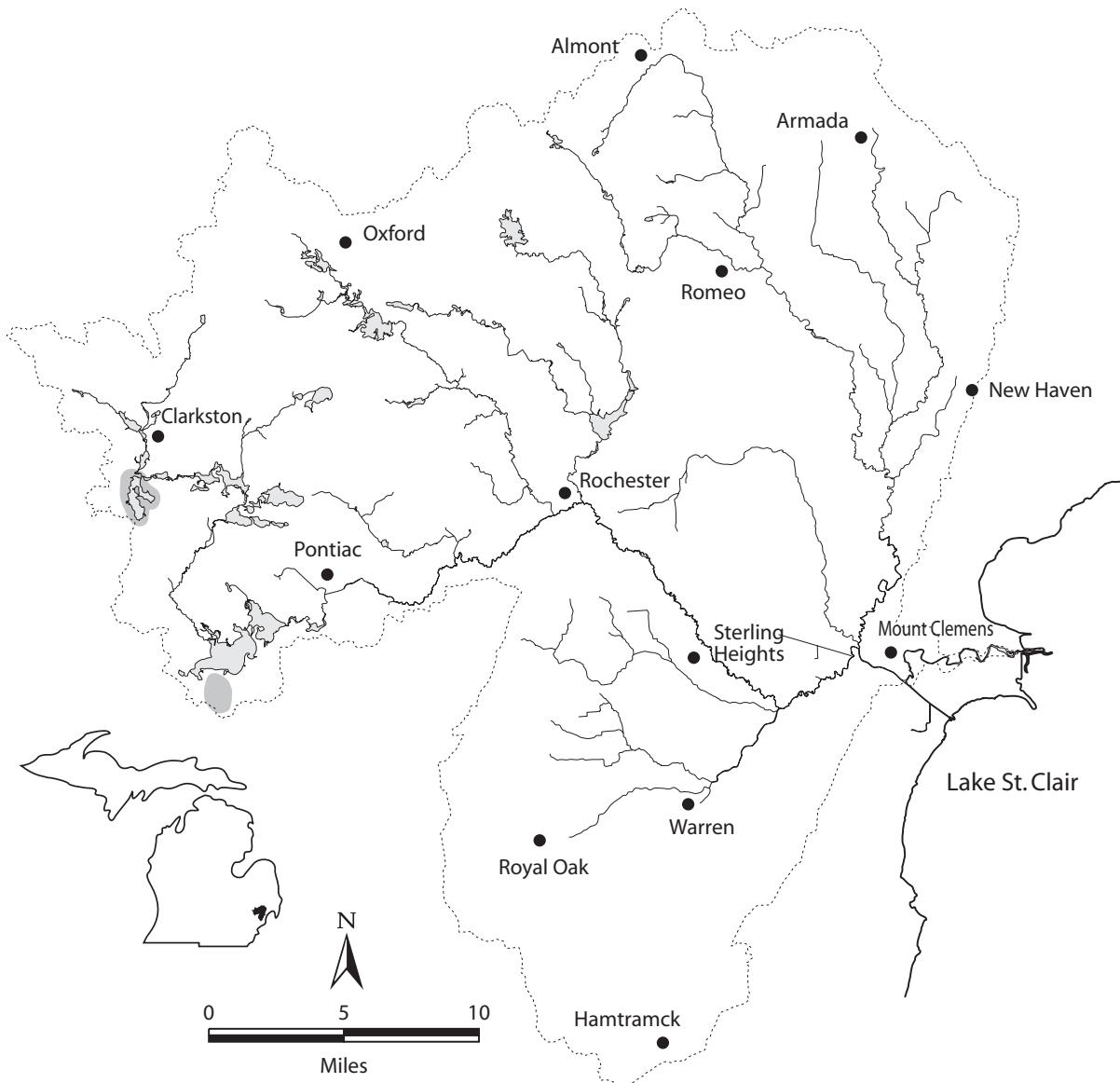
Striped shiner *Luxilus chrysocephalus*

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

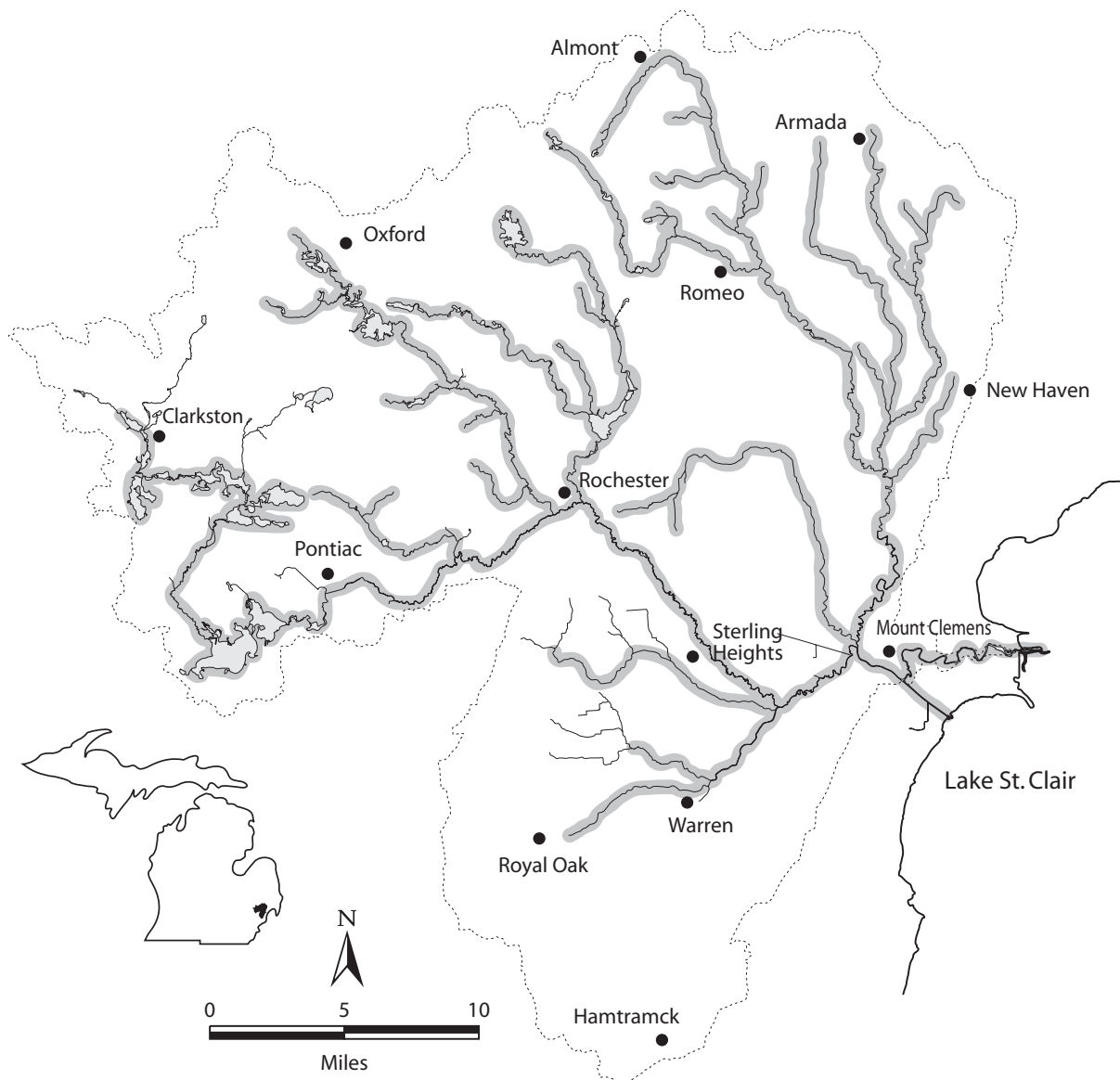


Common shiner *Luxilus cornutus*

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



Redfin shiner *Lythrurus umbratilis*

Habitat:

- feeding - clear, quiet warm rivers in weedy pools
- little to no current
- abundant submerged and emergent vegetation

- spawning - over sand and gravel substrate in slow moving sections of streams

