

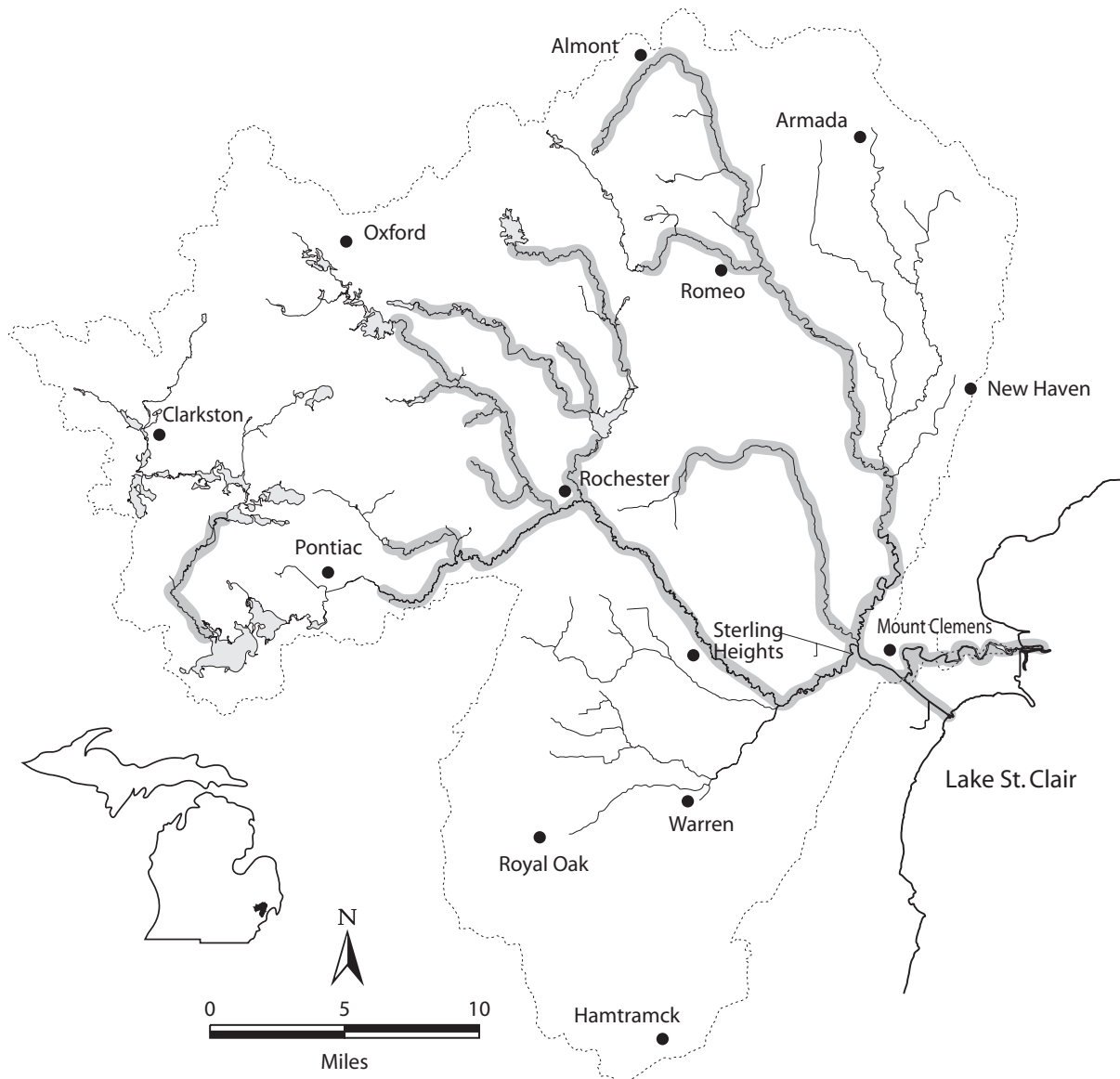
**Northern hog sucker *Hypentelium nigricans***

**Habitat:**

- feeding - gravel or rubble substrate
- riffles and adjacent pools of warm shallow streams
- clear water
- doesn't like turbidity or siltation
- avoids profuse amounts of aquatic vegetation

- spawning - riffles
- shallow gravel substrate
- high gradient

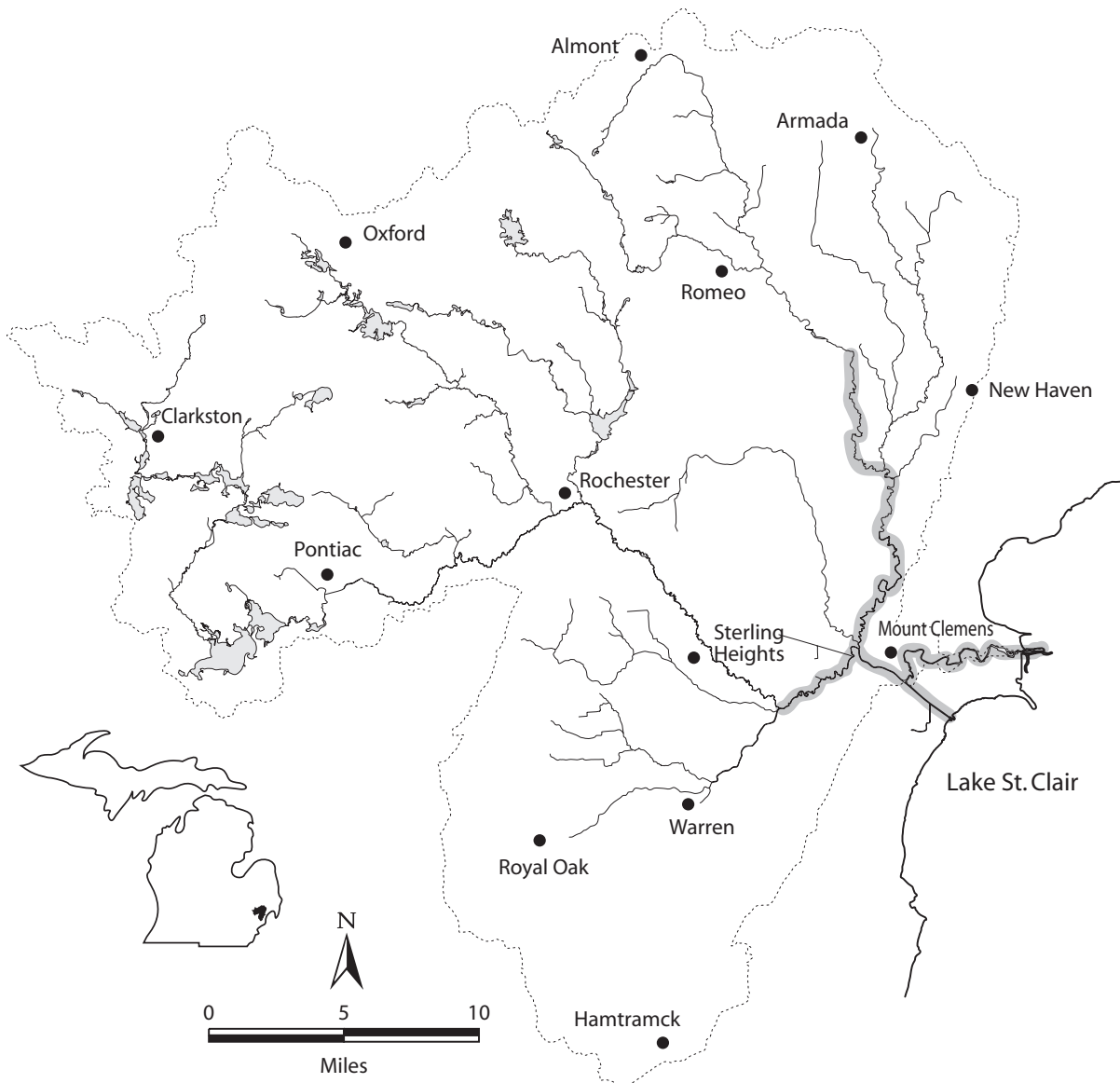
- winter refuge - deeper quieter pools



**Spotted sucker** *Minytrema melanops*

**Habitat:**

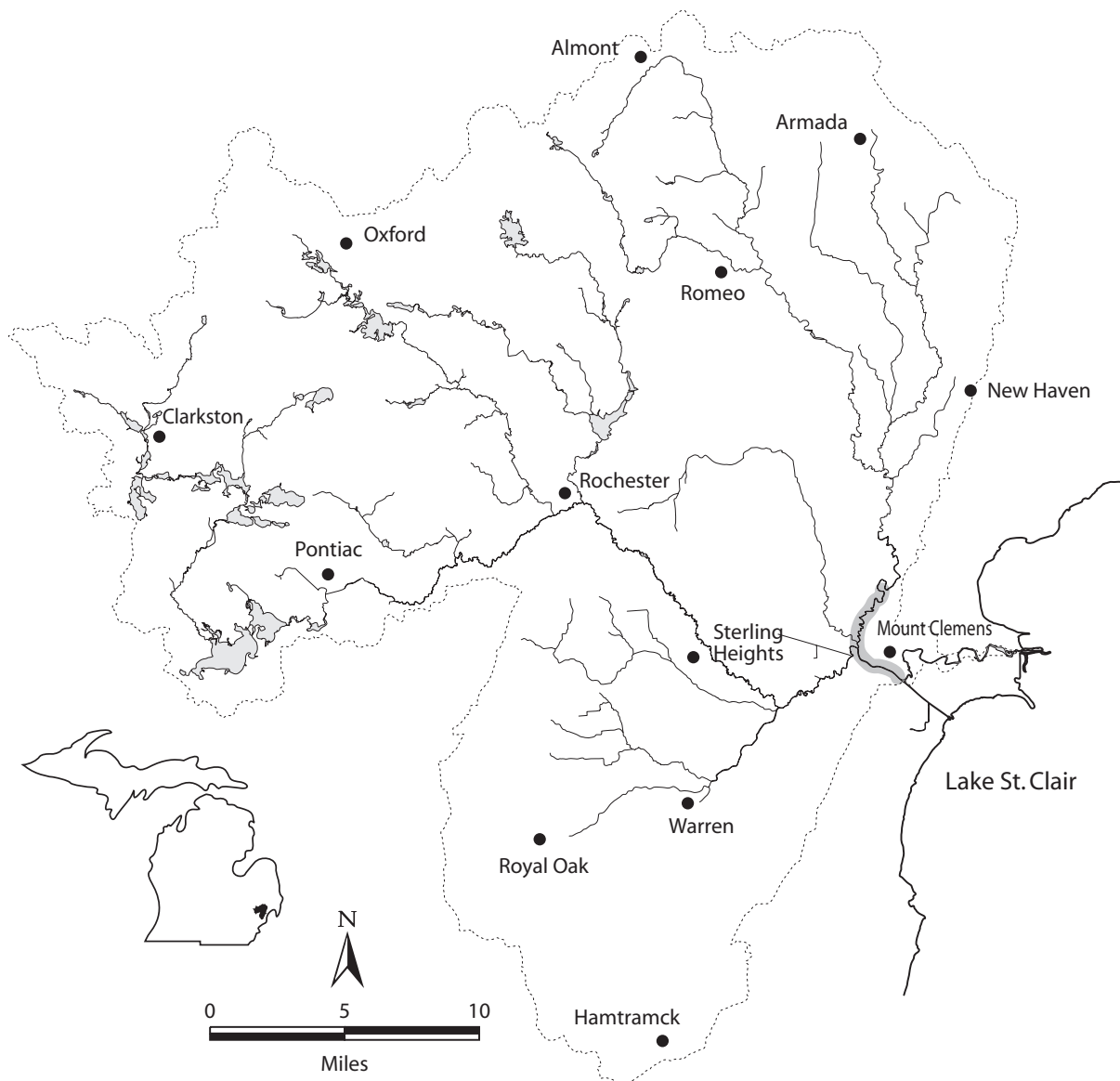
- feeding - clear warm rivers (pools, backwaters) with little current
- abundant vegetation
- soft substrate with organic debris
- intolerant of turbidity
  
- spawning - riffles



**Silver redhorse** *Moxostoma anisurum*

**Habitat:**

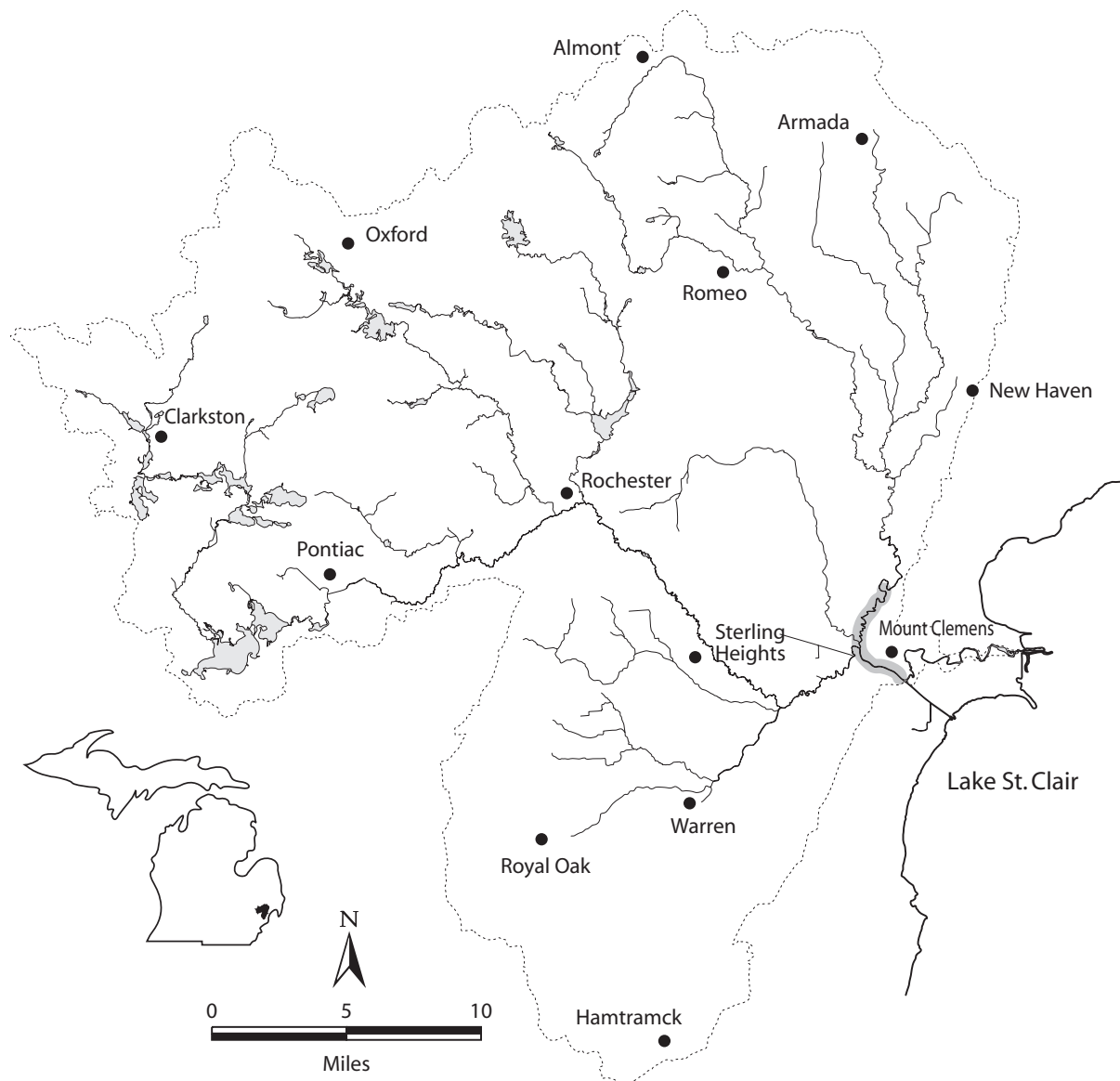
- feeding - streams, rivers, lakes, and impoundments
- low current
- pollution and turbidity intolerant
  
- spawning - swift current in rivers, do not spawn in tributaries
- males territorial
- gravel to rubble substrate



**Black redhorse** *Moxostoma duquesnei*

**Habitat:**

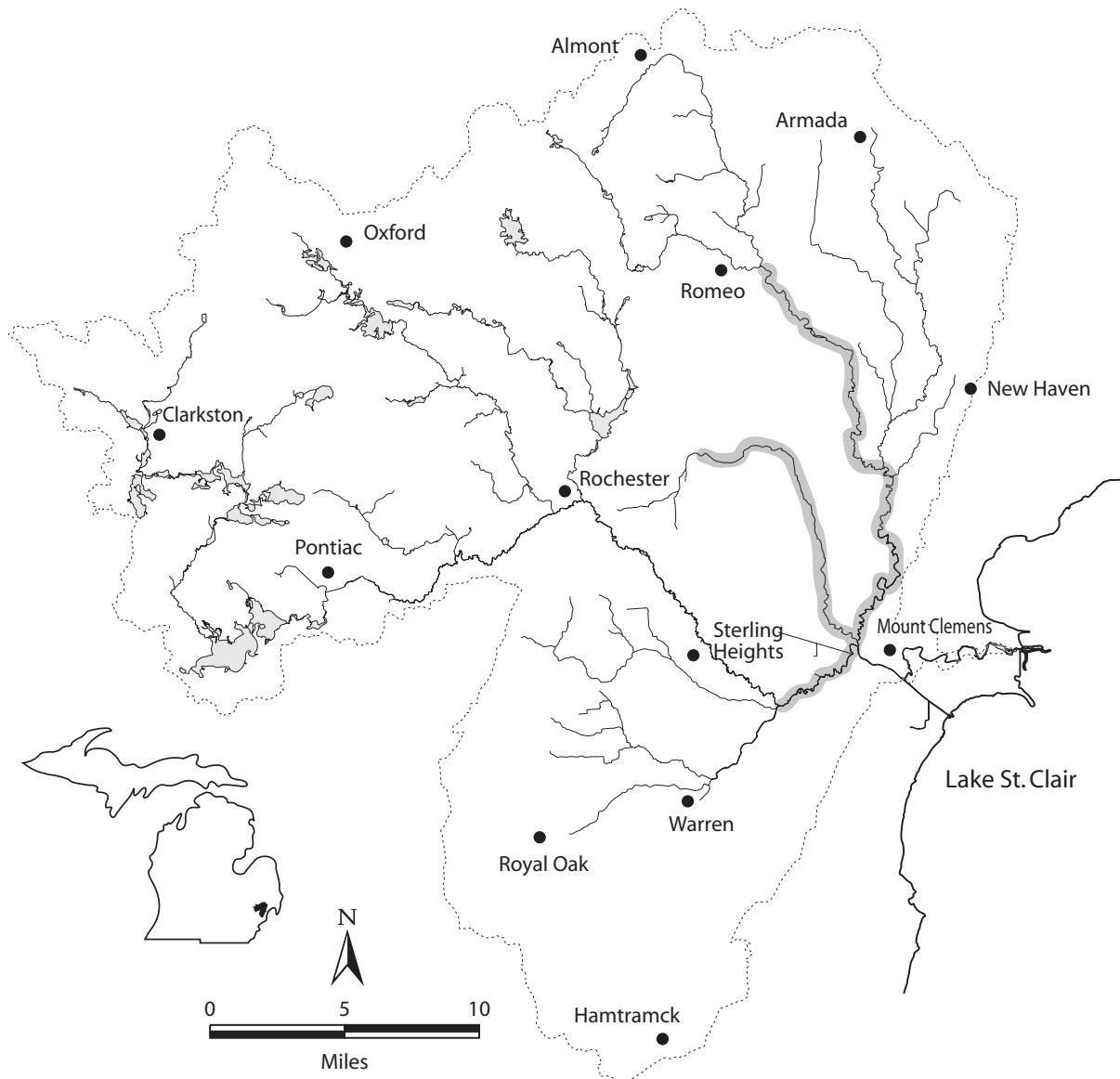
- feeding - gravel substrate
- clear water, intolerant of siltation, turbidity, and low gradients
- medium size streams
- cooler swifter streams and short rocky pools with current
  
- spawning - gravelly riffles
  
- winter refuge - deeper holes



**Golden redhorse** *Moxostoma erythrurum*

**Habitat:**

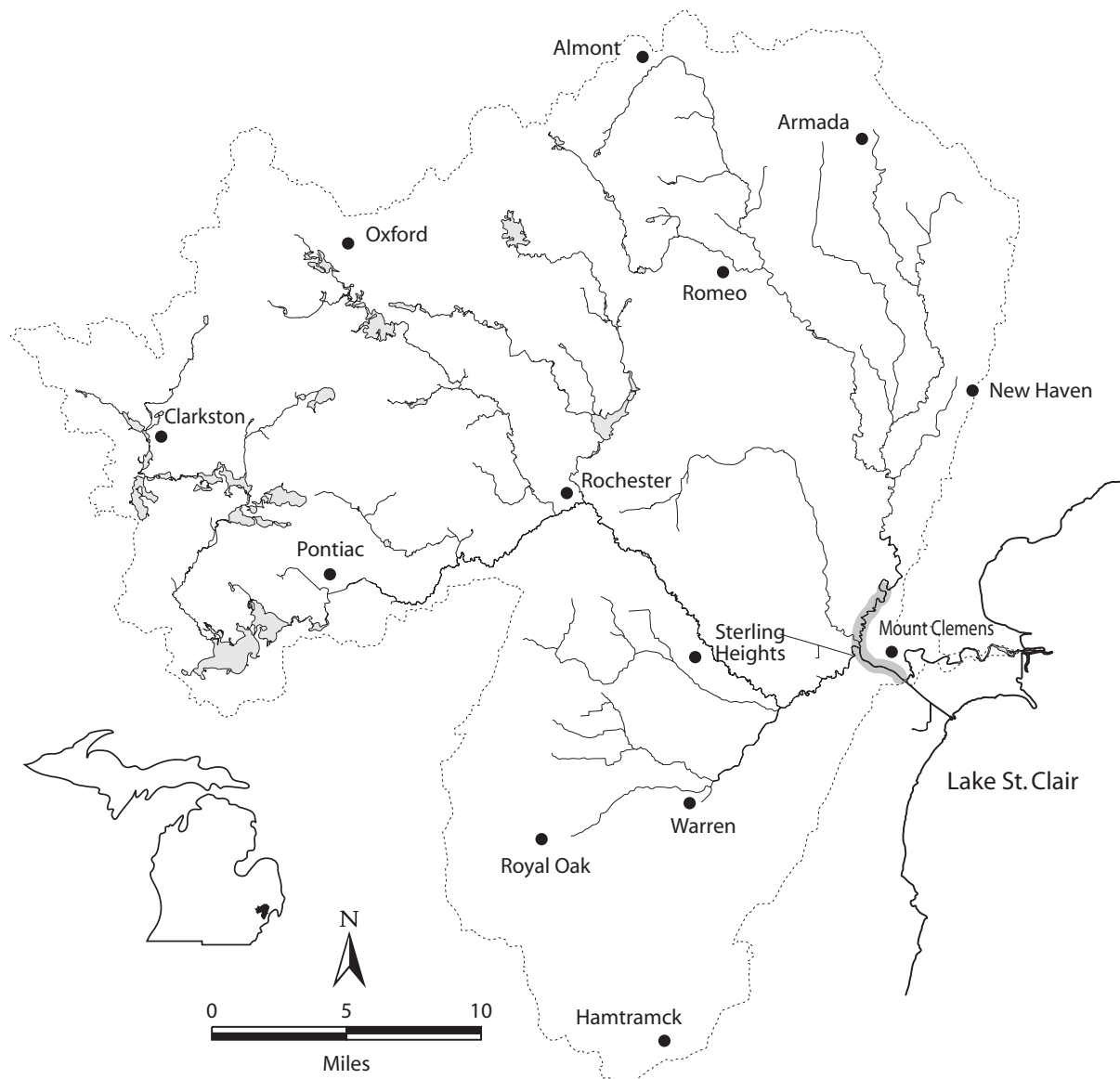
- feeding - warm medium gradient streams and rivers
- clear riffly streams
- medium size streams and rivers
- tolerates some turbidity and silt
  
- spawning - shallow gravelly riffles
  
- winter refuge - larger streams



**Shorthead redhorse** *Moxostoma macrolepidotum*

**Habitat:**

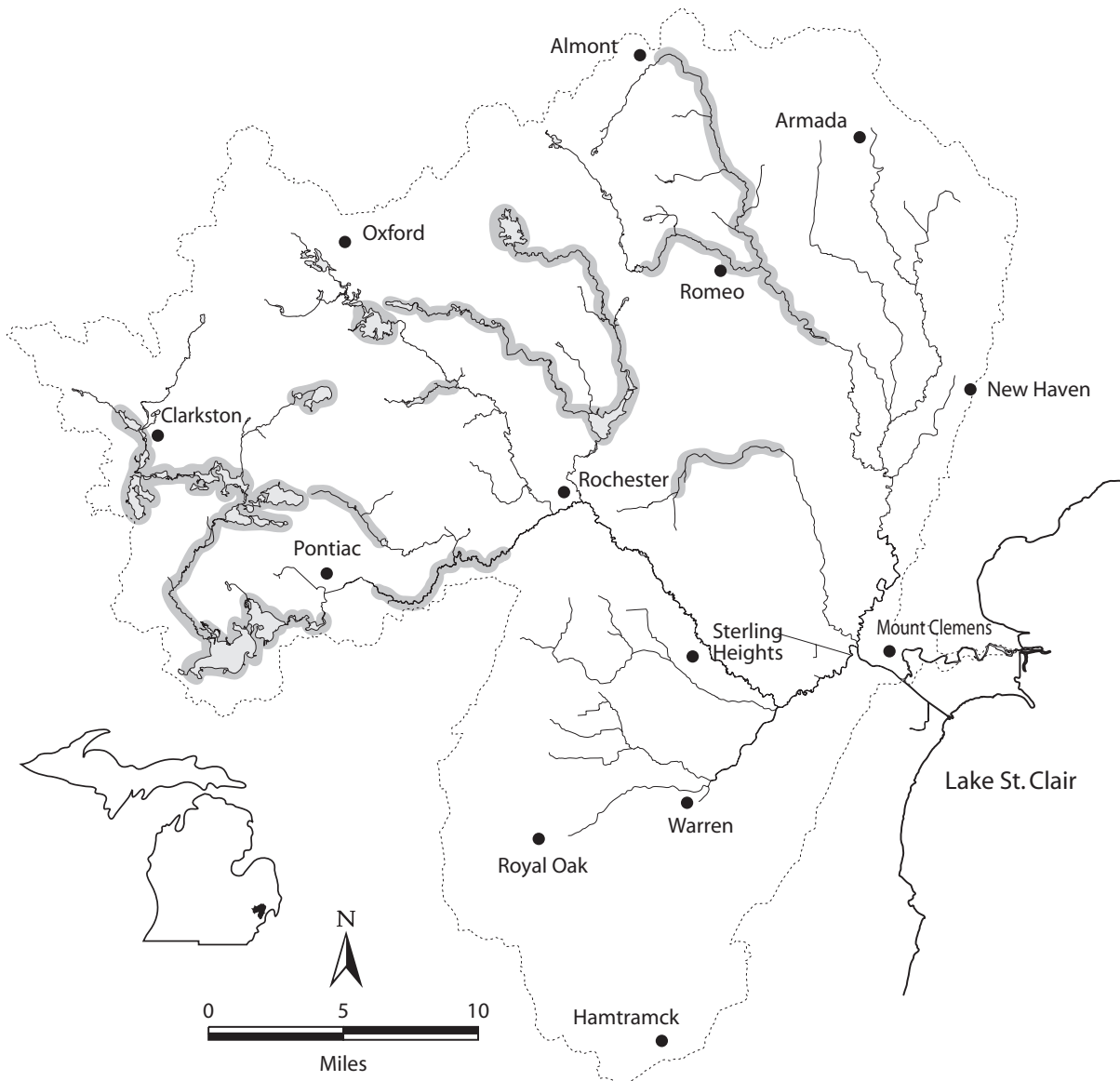
- feeding - downstream sections of large rivers, lakes, and impoundments
- rocky substrates
- swift water near riffles
- clear to slightly turbid water
  
- spawning - gravelly riffles in smaller feeder streams



**Black bullhead** *Ameiurus melas*

**Habitat:**

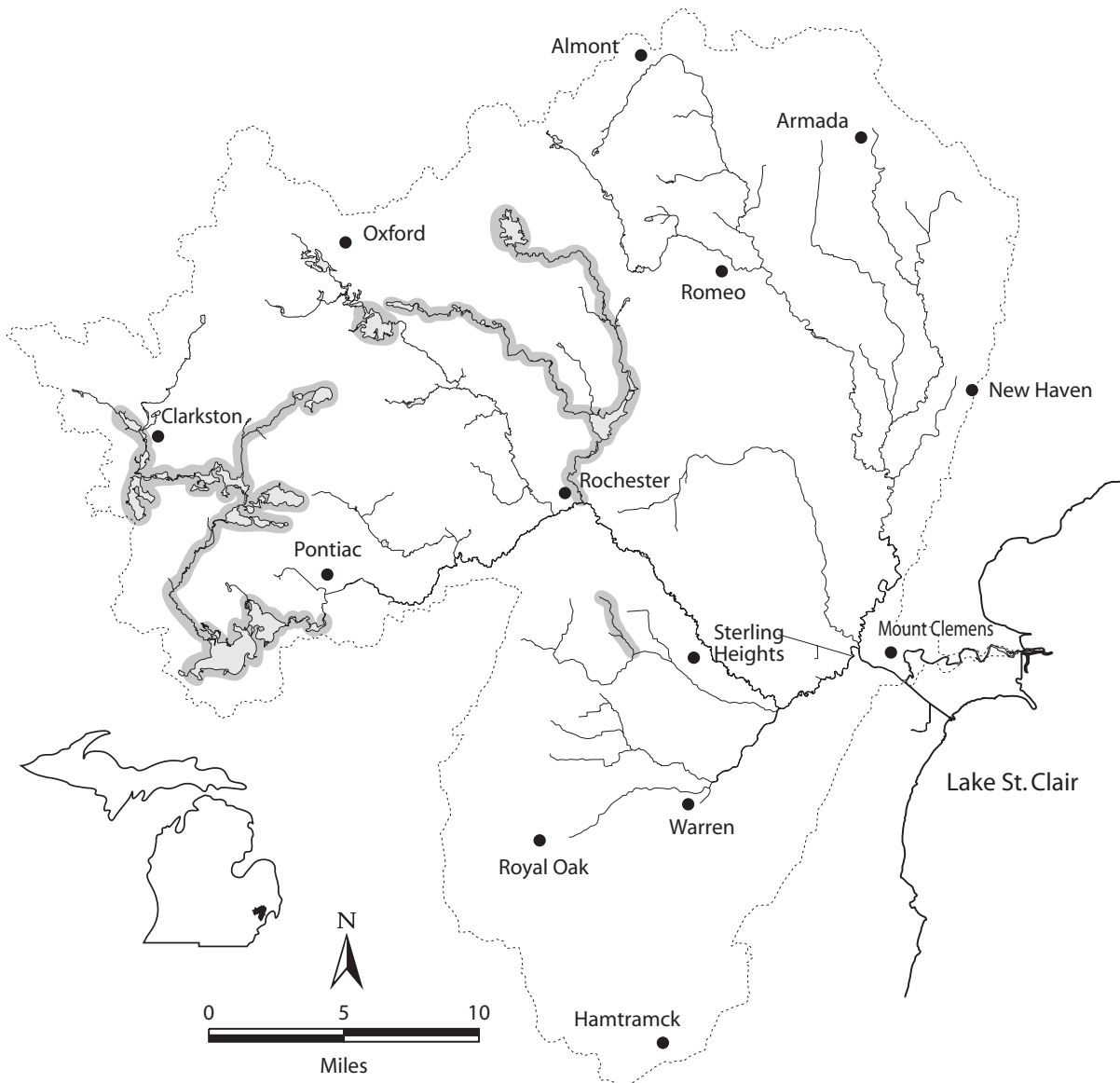
- feeding - turbid water
  - silt bottom
  - low gradient small to medium streams, pools, and headwaters of large rivers; also in lakes and impoundments
  - can tolerate very warm water and very low dissolved oxygen
- spawning - nest in moderate to heavy vegetation or woody debris and under overhanging banks



**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





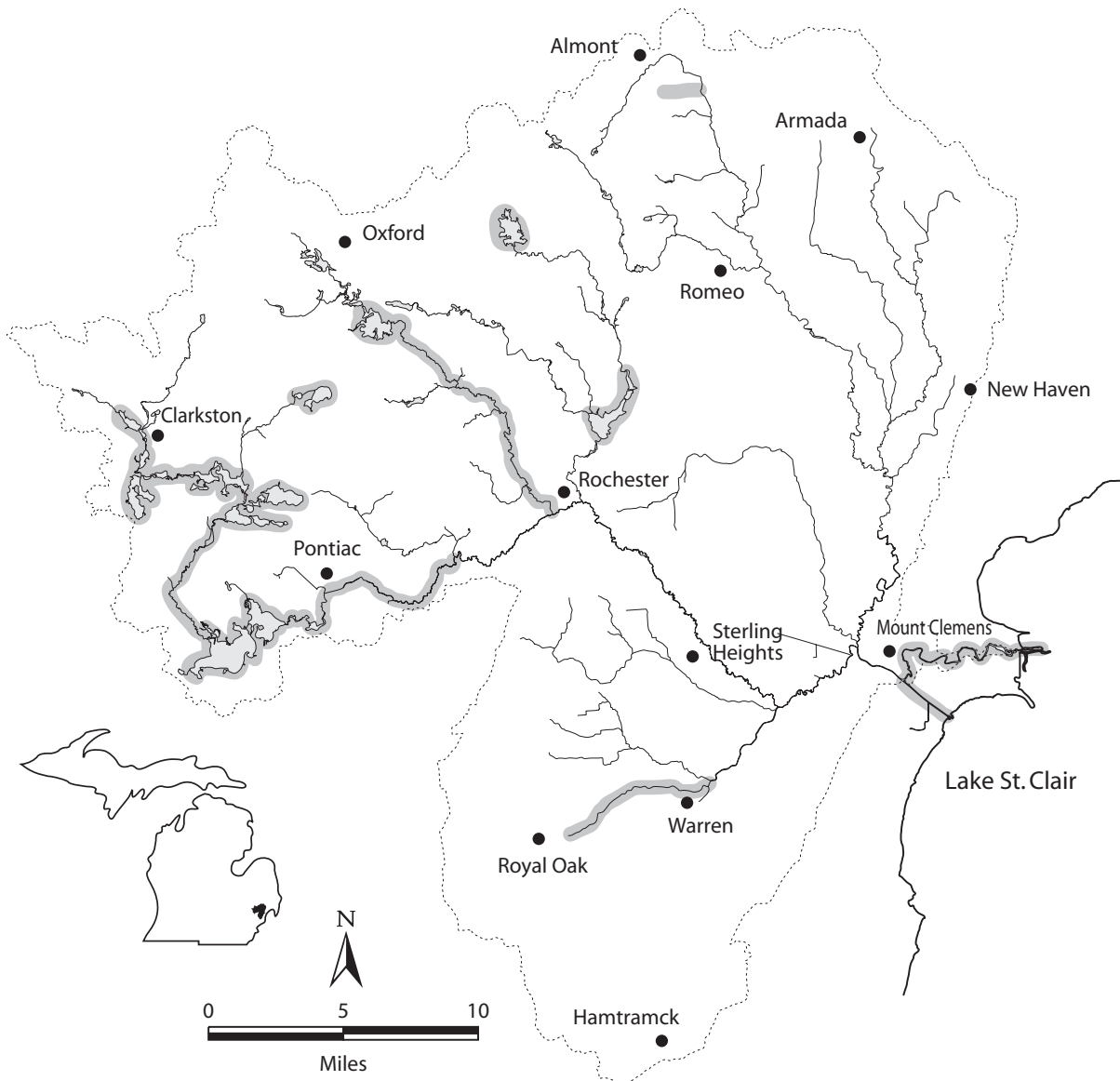
**Brown bullhead** *Ameiurus nebulosus*

**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



**Channel catfish** *Ictalurus punctatus*

**Habitat:**

- feeding - moderately-clear, deeper waters of rivers, lakes, and impoundments
- sand, gravel, or rubble substrate
- low to moderate gradient
  
- spawning - secluded semi-dark areas such as holes, under banks, log jams, or rocks

