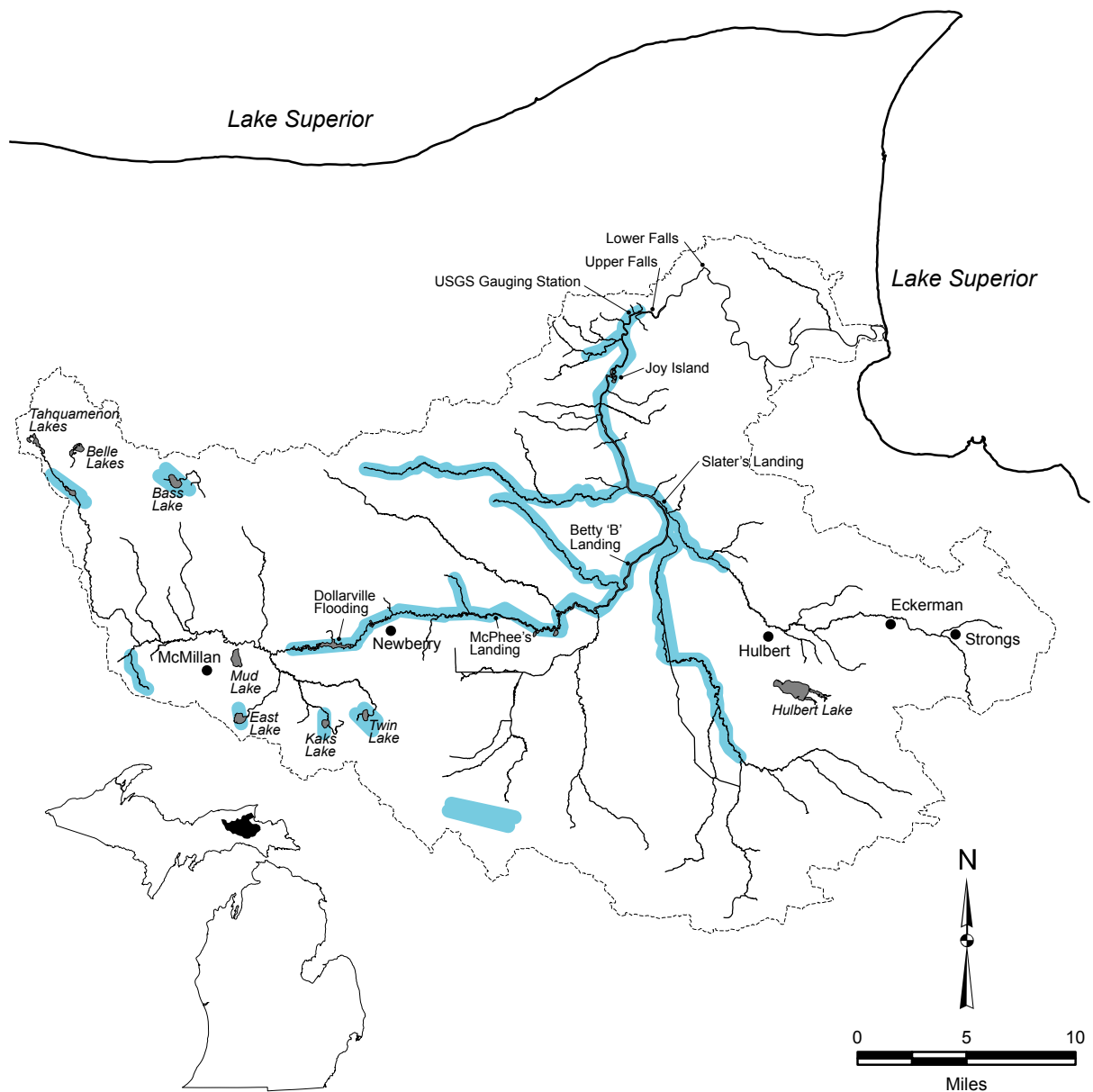


Golden shiner *Notemigonus crysoleucas*

Habitat:

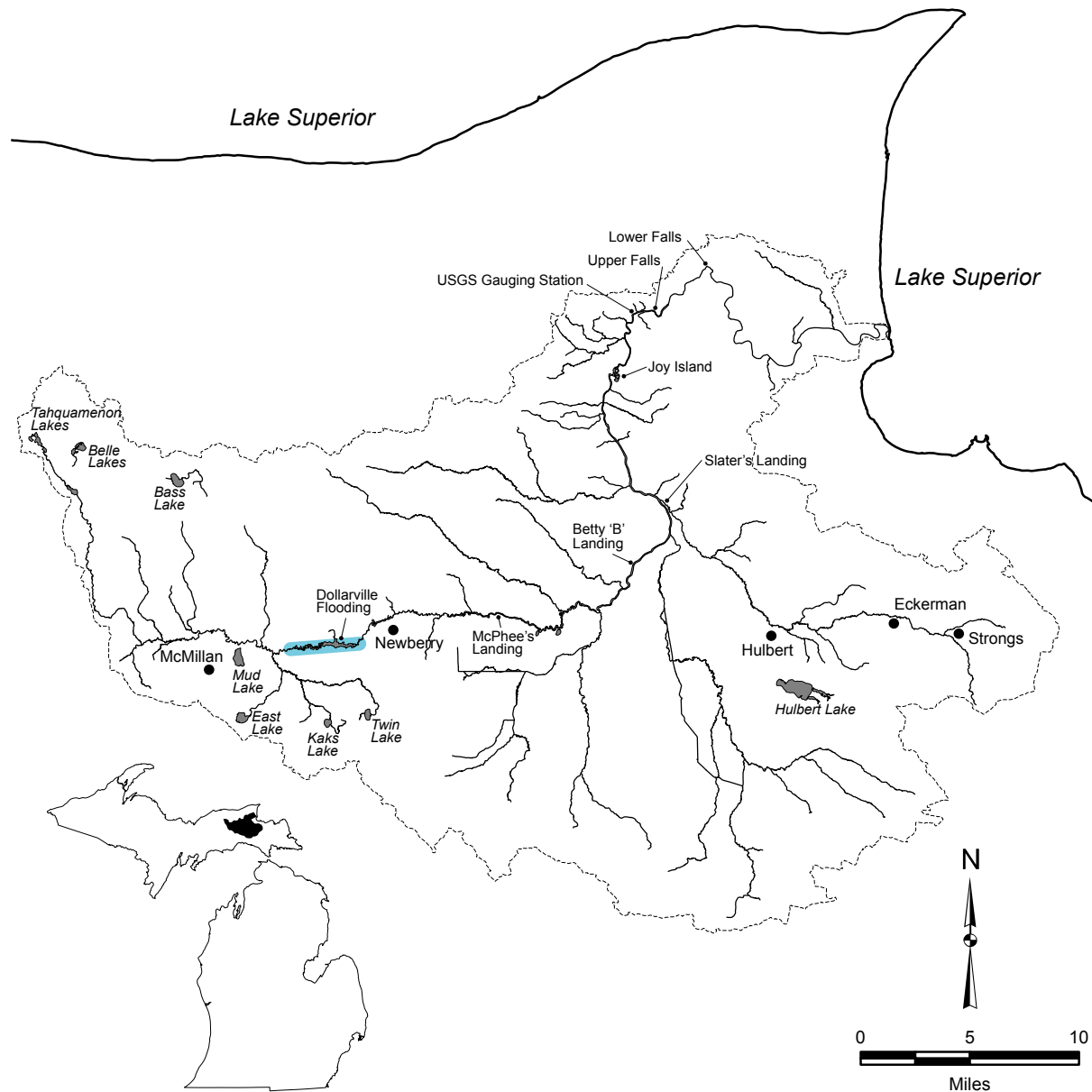
- feeding - lakes and impoundments and quiet pools of low gradient streams
- clear shallow water
- heavy vegetation
- spawning - vegetation



Blackchin shiner *Notropis heterodon*

Habitat:

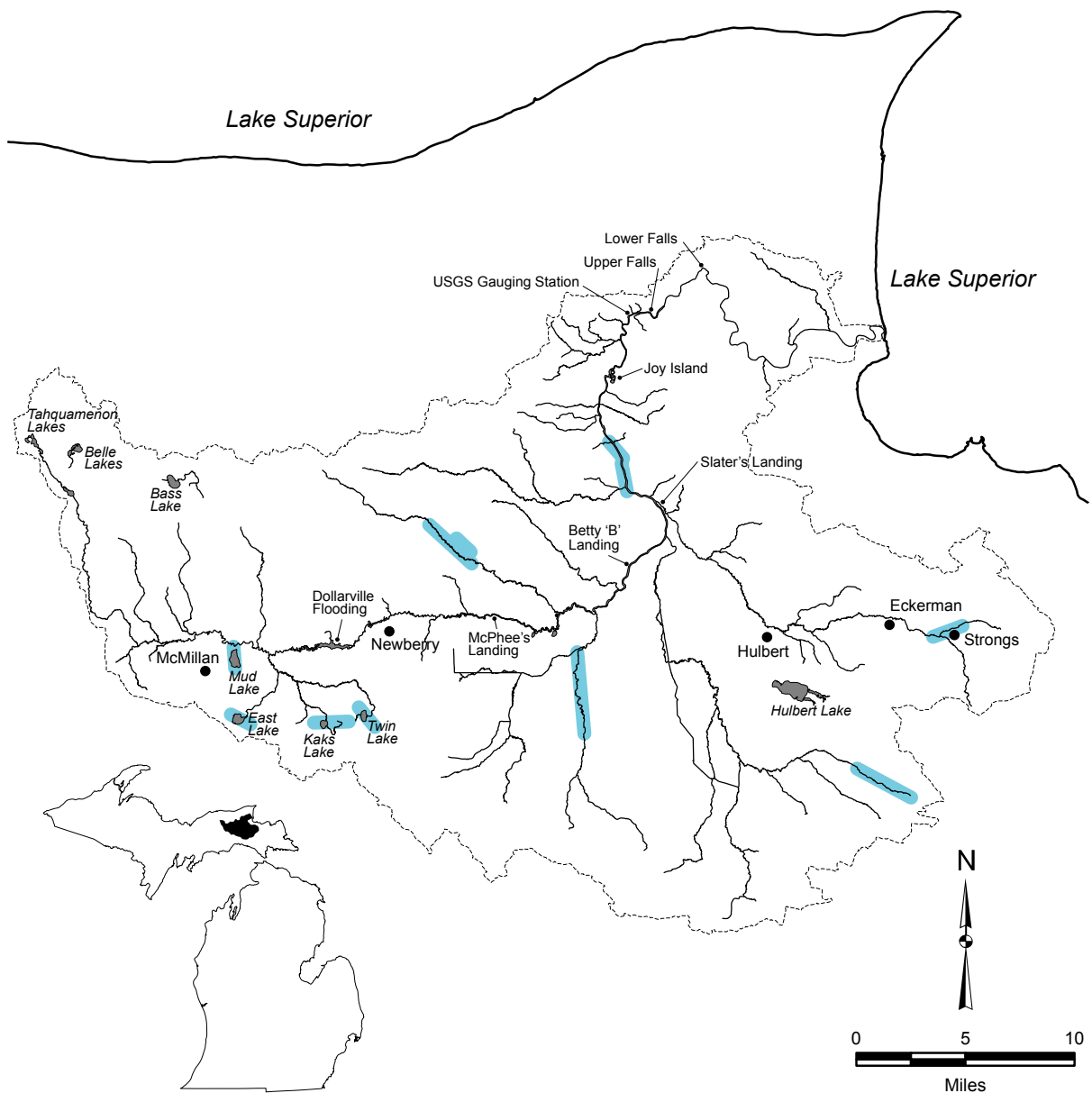
- feeding - lakes, impoundments, and quiet pools in streams and rivers
- clear water
- clean sand, gravel, or organic debris substrate
- dense beds of submerged aquatic vegetation
- cannot tolerate turbidity, silt, or loss of aquatic vegetation



Blacknose shiner *Notropis heterolepis*

Habitat:

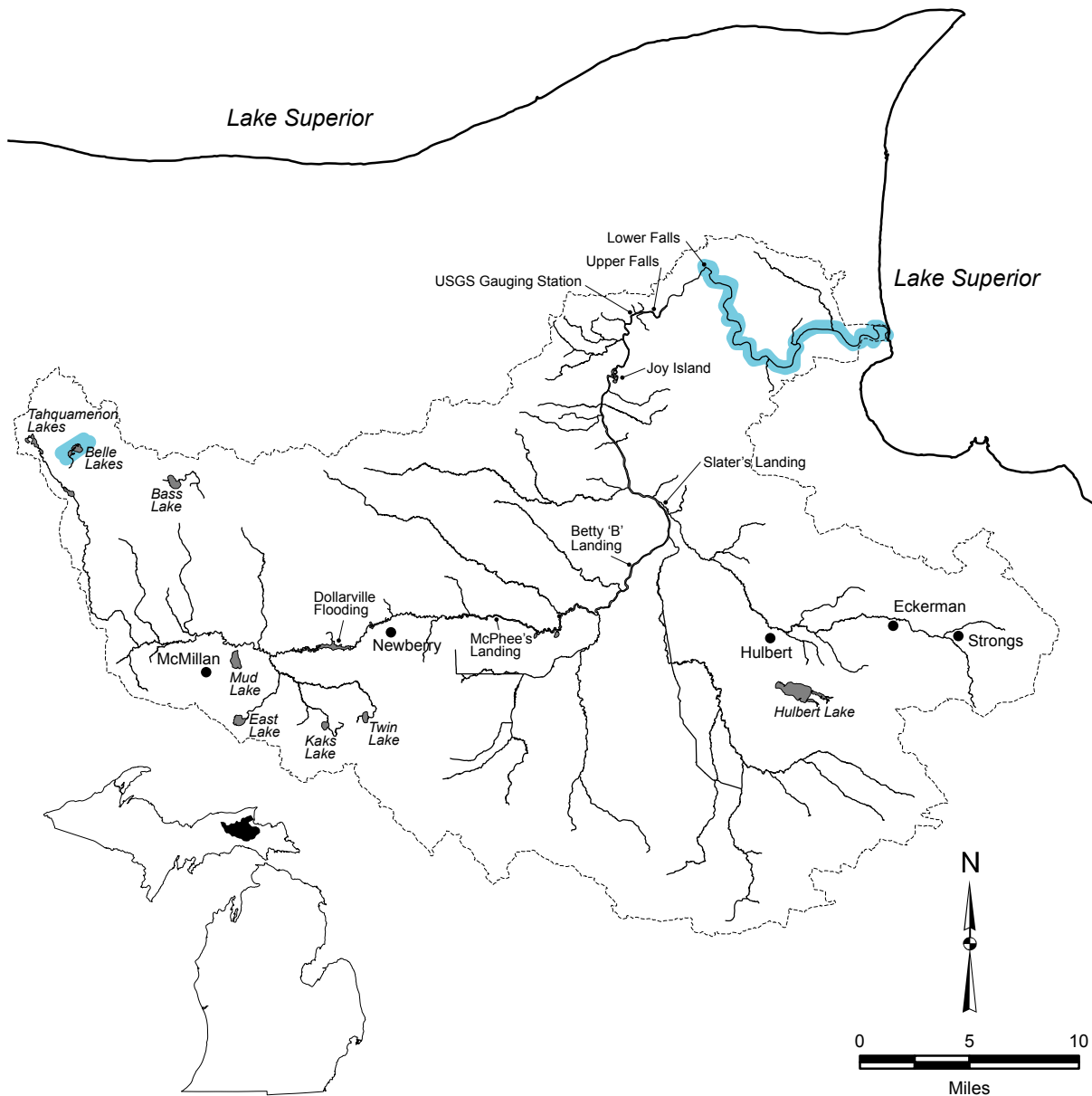
- feeding - clear lakes, impoundments, and pools of small, clear, low-gradient streams
- aquatic vegetation
- clean sand, gravel, marl, muck, peat, or organic debris substrate
- cannot tolerate much turbidity, much siltation, or loss of aquatic vegetation
- spawning - sandy substrate



Spottail shiner *Notropis hudsonius*

Habitat:

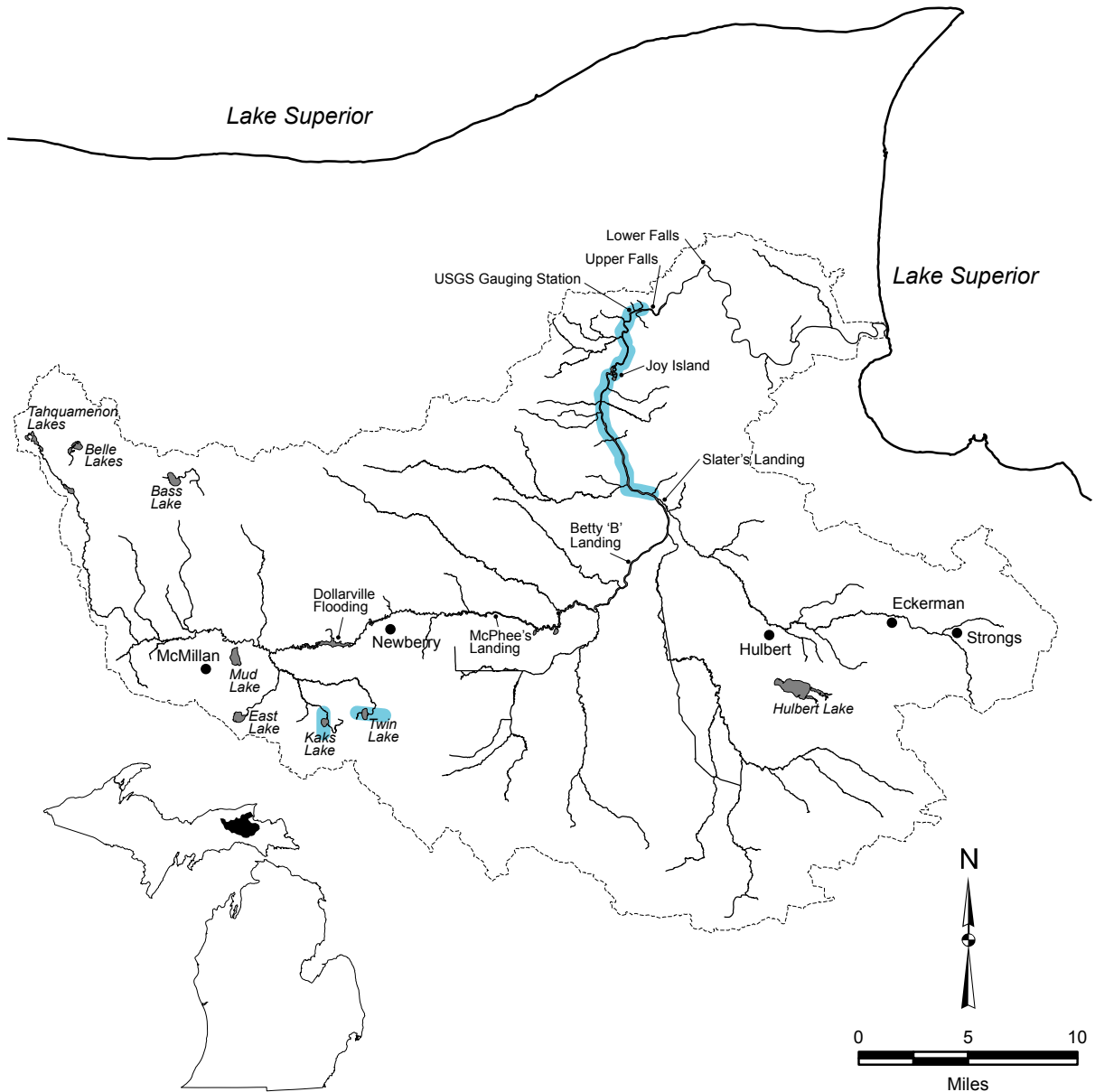
- feeding - large rivers, lakes, and impoundments
- firm sand and gravel substrate
- low current
- sparse to moderate vegetation
- avoids turbidity
- spawning - over sandy shoals or gravelly riffles
- near the mouths of small streams



Mimic shiner *Notropis volucellus*

Habitat:

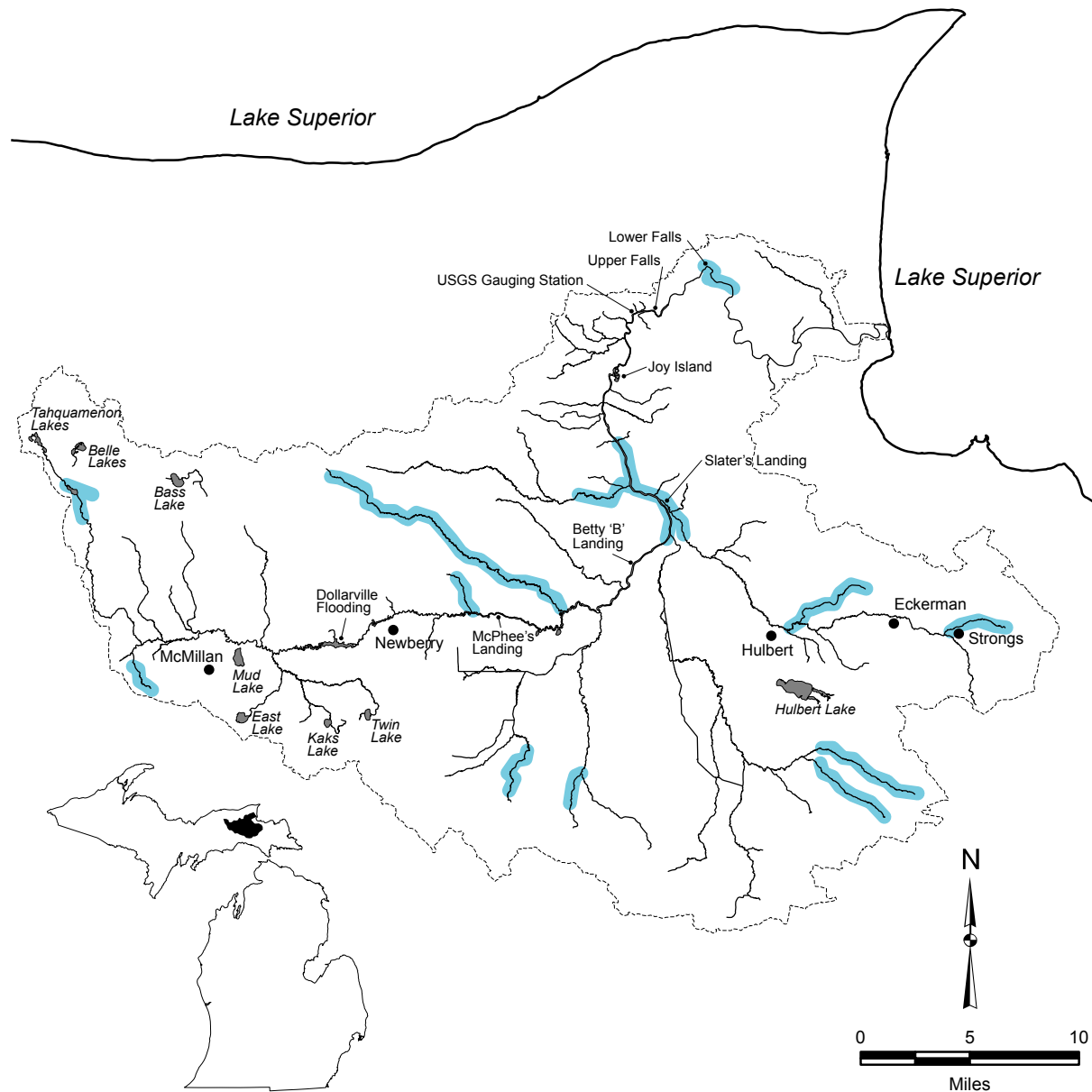
- feeding - pools and backwater of streams, moderately weedy lakes and impoundments
- quiet or still water
- clear shallow water
- spawning - aquatic vegetation necessary



Northern redbelly dace *Phoxinus eos*

Habitat:

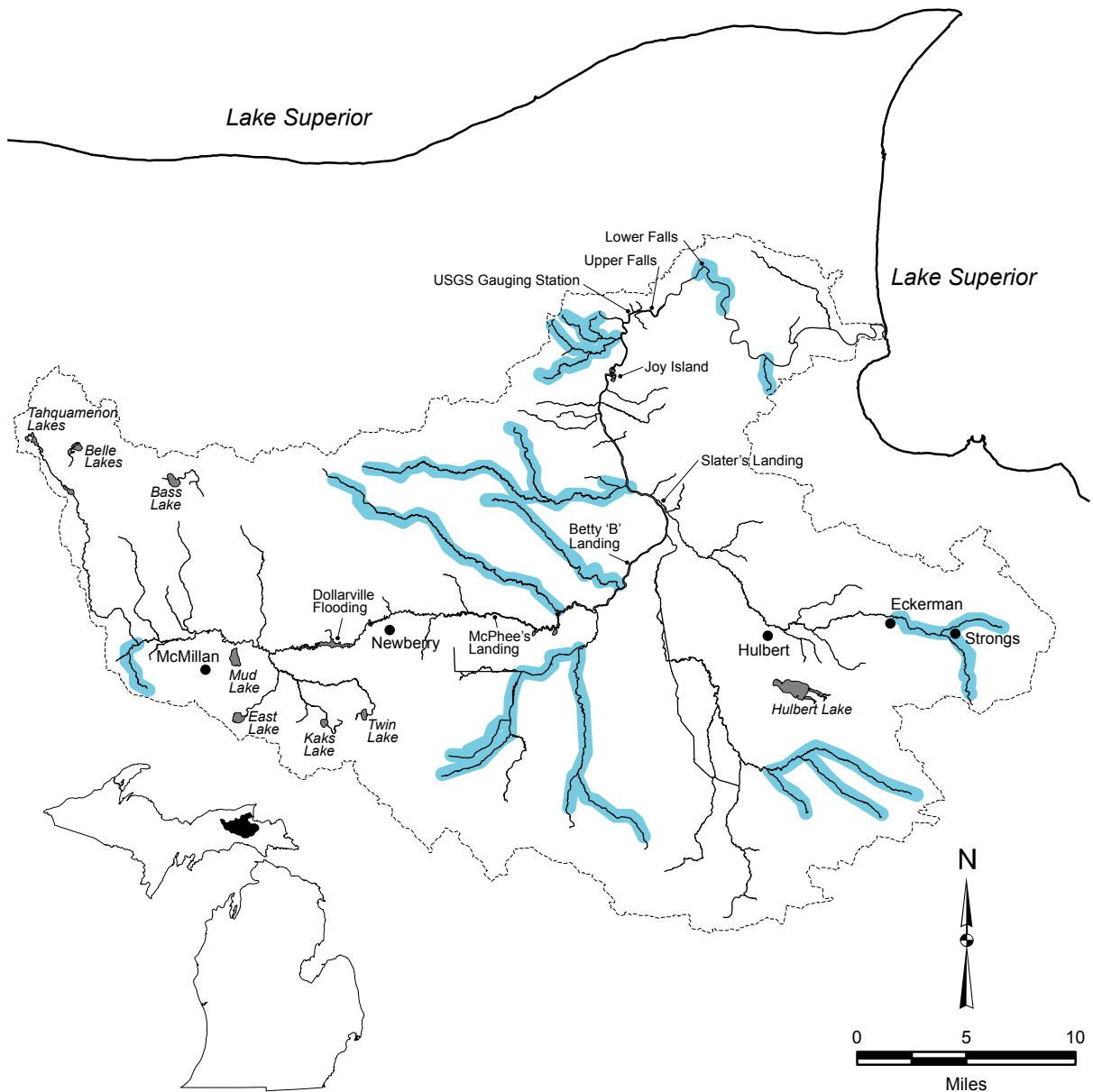
- feeding - slow current
- in boggy lakes and streams
- detritus or silt substrate
- clear to slightly turbid water
- spawning - filamentous algae needed for egg deposition



Finescale dace *Phoxinus neogaeus*

Habitat:

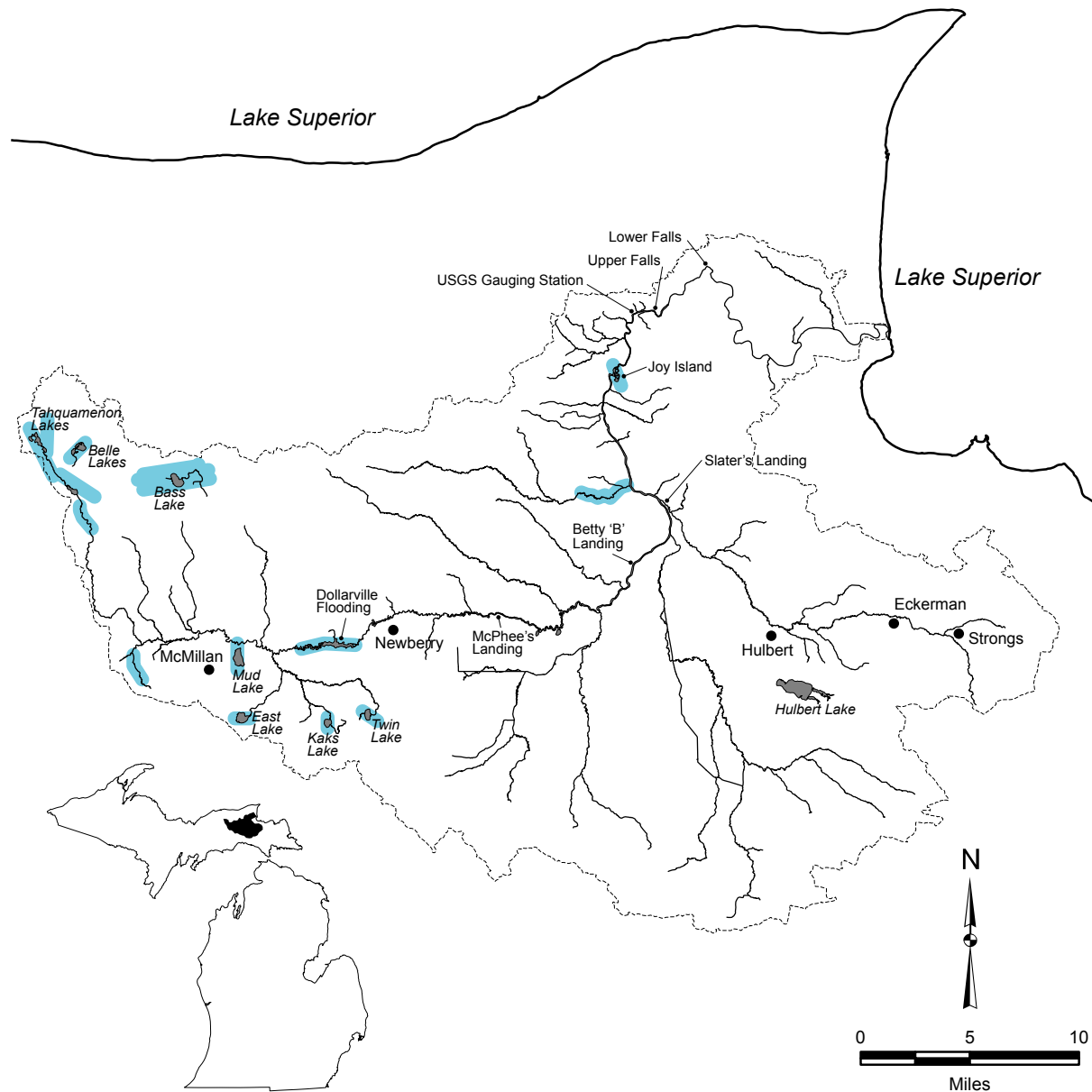
- feeding - cool bog lakes and streams
- neutral to slightly acidic waters
- various substrates



Bluntnose minnow *Pimephales notatus*

Habitat:

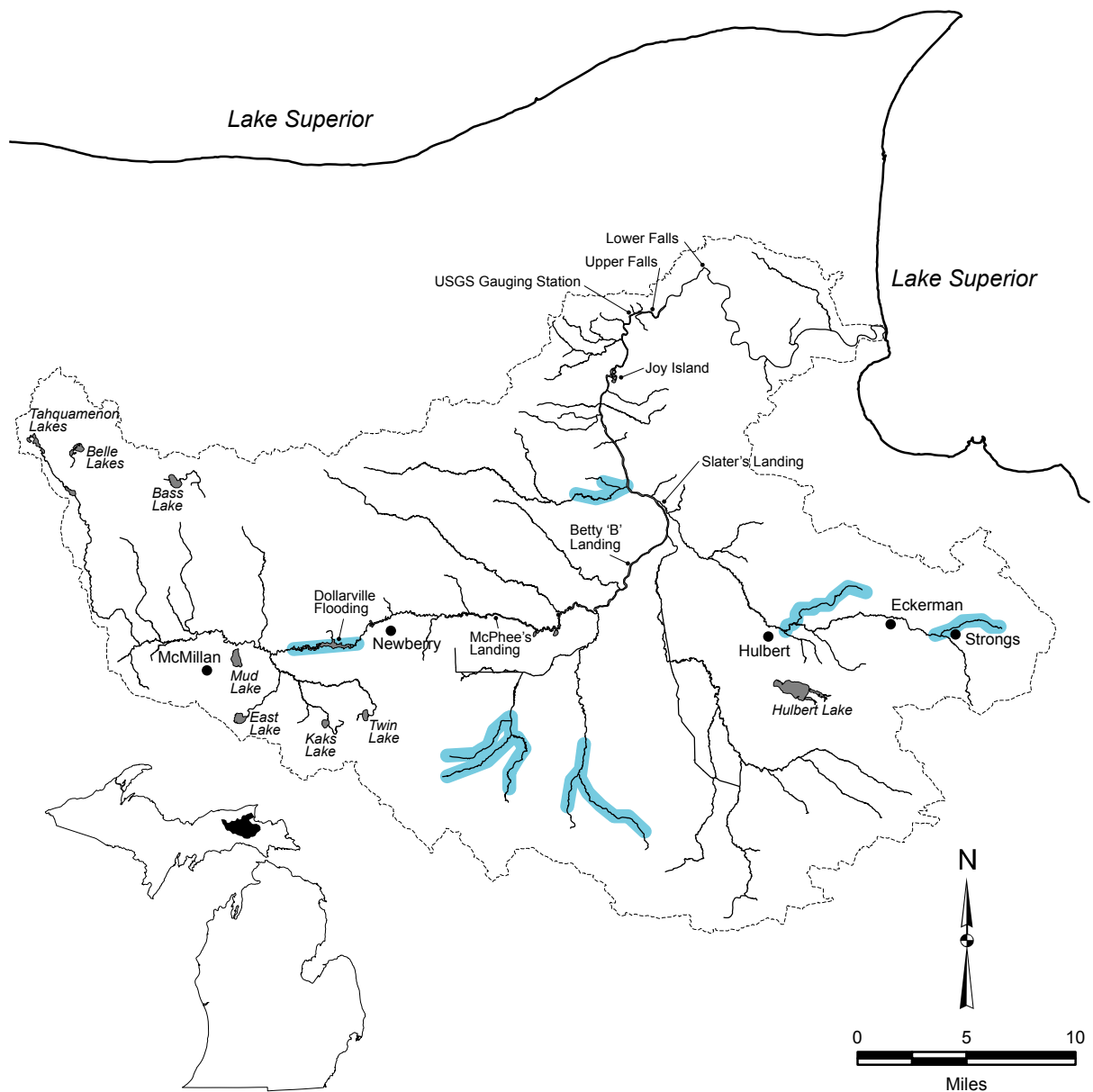
- feeding - quiet pools and backwaters of medium to large streams, lakes, and impoundments
 - clear warm water
 - some aquatic vegetation
 - firm substrates
 - tolerates all gradients, turbidity, organic and inorganic pollutants
- spawning - eggs deposited on the underside of flat stones or objects
 - nests in sand or gravel substrate



Fathead minnow *Pimephales promelas*

Habitat:

- feeding - pools of small streams, lakes, and impoundments
- tolerant of turbidity, high temperatures, and low oxygen
- spawning - on underside of objects in water 2 to 3 feet deep
- prefer sand, marl, or gravel substrate



Longnose dace *Rhinichthys cataractae*

Habitat:

- feeding - lakes and streams
- high gradient
- gravel or boulder substrate

