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:**
- **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
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