

## **Pugnose Minnow** ***Notropis emiliae***

**Habitat Preference:** Usually in lowlands in clear to turbid, sluggish, often weedy waters of lakes, reservoirs, sloughs, swamps, and streams of all sizes.

### **Threats:**

- Increased siltation from poor upland treatment.
- Loss of weedy habitat.
- Altering of natural water flow through drainage, channelization, and creating dams.
- Water pollution from agricultural runoff and urban discharge.

### **Habitat Improvement Guidelines:**

- Implement proper upland management to keep sediment from reaching streams and rivers.
- Promote weedy habitat growth by
- Cease channelization of all streams, creeks, and rivers.
- Remove dams whenever possible and when not possible create fish passageways over dams.
- Create buffers along streams to filter nutrients out of agricultural runoff and urban discharge.