

## American Brook Lamprey *Lampetra appendix*

**Habitat Preference:** Small, high-quality streams and mid-sized rivers.

### Threats:

- Loss of spawning habitat due to siltation and nutrients.
  - Nutrients cause the growth of attached algae (i.e. periphyton) that covers coarse substrates and thus degrades habitat quality for this species.
- Channelization
  - A naturally meandering channel is needed to maintain the variety of substrates and current velocities that lead to high quality habitats (e.g. clean riffles and sandy runs).
  - Streams with a naturally meandering channel form can better accommodate high silt loads than channelized streams.



Photograph by: Daryl Howell

### Appropriate Practices:

- Implement proper upland management such as contour farming and soil erosion control methods.
- Avoid additional channel modifications for commercial navigation; allow, to the extent possible, natural river processes (e.g., meandering, sandbar formation) to occur.
- Reestablish natural riparian vegetation.