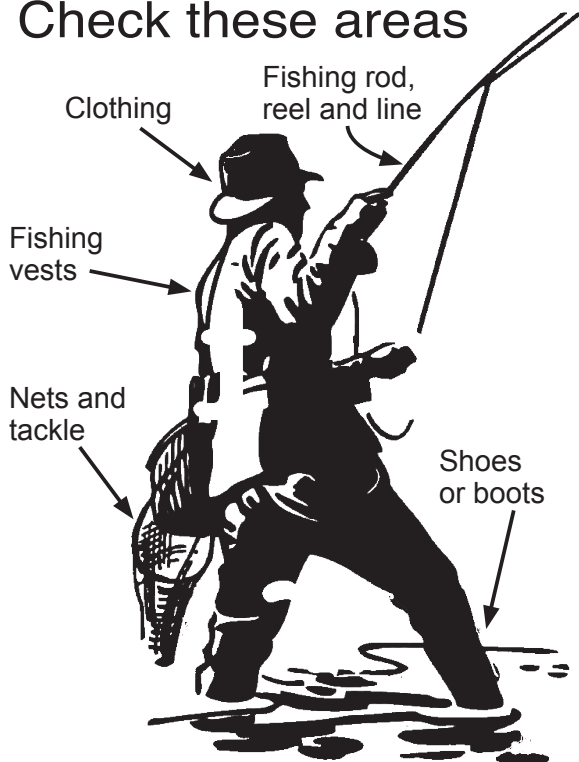


Aquatic Invasive Species Alert New Zealand Mudsnail

New Zealand mudsnail (NZM) is in this waterway. The snails are very small, measuring less than ¼ inch, with a dark, narrow, coiled shell with deep grooves. Like other Aquatic Invasive Species (AIS), they disrupt ecosystems by rapidly multiplying and competing with native species for space and food. NZM have the potential to decrease the food supply for fish in this stream. The snails are found on rocks and vegetation and can attach to fishing gear, boats and other equipment where they can easily go unseen. **Anglers, boaters, swimmers and tubers can unknowingly spread NZM!**

Help Stop the Spread of NZM. Clean Your Gear!

Check these areas



New Zealand mudsnail requires specialized disinfection measures:

- Visually inspect gear and remove and dispose of any clinging matter in the trash. Do not move mud, organic matter or NZM from this area!
- To kill NZM, three methods are effective:
 - ✓ Freeze gear for a minimum of 6 hours
 - ✓ Soak gear in hot water (120°F to 140°F) for 5 minutes. This method is not recommended for GOR-TEX®
 - ✓ Soak gear for 5 minutes in a 1 to 1 solution of *Formula 409® Cleaner Degreaser Disinfectant* and water. After soaking, thoroughly rinse the gear with plain water. **Simply spraying gear with the disinfectant or the mixture does not work.** Also, general cleaners (including other 409 products) have not been shown to be effective against NZM.

STOP AQUATIC HITCHHIKERS!™



For more information about New Zealand mudsnail, visit "Resources" on the PA Sea Grant website at www.paseagrant.org/fact_sheet_group/invasive-species/ and scroll down to Fact Sheets – Invertebrates and the mudsnail photo/link.

