

HATCHERY HIGHLIGHTS



Hagerman National Fish Hatchery

New Zealand Mudsnail Work Shop

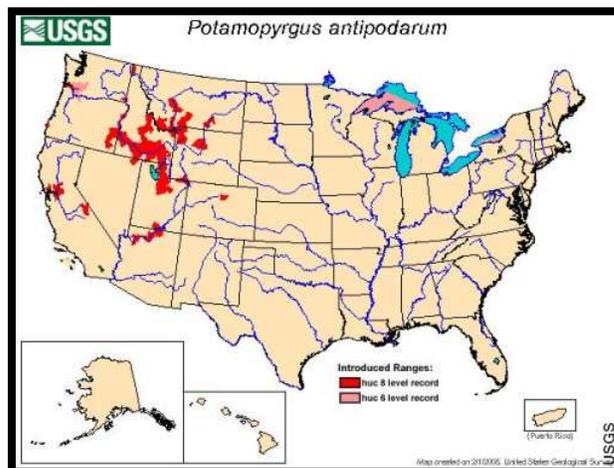
U.S. Fish and Wildlife Service

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Hatchery Hosts Workshop May 4th & 5th



Private Sector, State, Federal and University scientists met at Hagerman National Fish Hatchery to expand their collaboration and to formulate plans to focus resources on methods and technology to control New Zealand Mud Snails (NZMS), *Potamopyrgus antipodarum*, at fish hatcheries.



NZMS have been documented in the Thousand Springs reach of the Snake River in Idaho since the mid – 1980's.

Hagerman NFH implemented a HACCP Plan in 2002 to address presence of NZMS in several Hatchery spring sources.



Photo: Montana State University

The presence of the NZMS limits the potential of the Hagerman National Fish hatchery to be fully utilized as a management tool for fisheries restoration. Steelhead stocking is limited to the upper Salmon River, Idaho where populations of the NZMS are found.

Hatchery Operations



Springs

Open Spring Ponds

Participants toured Hagerman State Fish Hatchery's Tucker Spring, a NZMS free water source used by Idaho Department of Fish and Game for their resident trout program. ↓



Participants discuss control of NZMS at Hagerman National Fish Hatchery and HACCP Plan implementation. The presence of the Threatened Bliss Rapids Snail in several of the hatchery's spring water sources complicates use of control measures. ↓



Dr. Barnaby Watten, USGS Scientist, demonstrates operation of hyperbolic chamber to test CO₂ toxicity on the NZMS. ↓



↑ Brian Brazil, Environmental Engineer, USDA Agriculture Research Service, National Center for Cool and Cold Water Aquaculture, presented information on new developments in fish rearing technology such as the "mixed cell" rearing unit, pictured above, as a potential strategy that could be used for management of the NZMS in the hatchery environment.

Partnerships in Action



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