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ARKANSAS DEPARTMENT OF AGRICULTURE

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Wes Ward
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ANS Inspection Report

January 13, 2023

Sample Source: Keo Fish Farms
PO Box 166
Keo, AR 72083

Sample Description: Movements of fish and water within Keo Fish Farms are such that the probability of an ANS species introduction is similar for all ponds. For this inspection, we randomly selected ponds on the farm. The entire farm will be tested in rotation during the future inspections.

Inspection Performed: Hard surfaces and pond margins were examined for the presence of zebra mussel (*Dreissena polymorpha*), quagga mussel (*Dreissena rostriformis bugensis*), Conrad's false mussel (*Mytilopsis leucophaeata*), and the New Zealand mud snail (*Potamopyrgus antipodarum*).

Results: No zebra mussels, quagga mussels, Conrad's false mussel or New Zealand mud snails were detected.

Summary: On the farm as inspected, Keo Fish Farms is free of zebra mussel, quagga mussel, Conrad's false mussel, and the New Zealand mud snail. Keo Fish Farms cultures fish only in levee type ponds using well water and, to the best of our knowledge, does not import fish or water from potentially infested sources.

Additional Background: Zebra mussels are present in the Arkansas River system but have never been detected on an Arkansas fish farm. Summer temperatures in Arkansas commercial culture ponds exceed, for several months, the maximum temperature survived by zebra mussels. Quagga mussels have not been found in the Arkansas River system and have never been detected on an Arkansas fish farm. New Zealand mud snails and Conrad's false mussels have not been found in Arkansas waters. Summer temperatures in Arkansas commercial culture ponds exceed, for several months, the maximum temperature survived by New Zealand mud snails.

Inspected by:

Zac Wellman



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