

Resolution No. 8

Ohio River Natural Resource Damage Settlement

Re: Transfer of funds from the United States Department of Interior's Natural Resource Damage Assessment and Restoration Fund to the U.S. Fish and Wildlife Service, the Ohio Department of Natural Resources, the West Virginia Division of Natural Resources, and the U.S. Geological Survey for restoration of mussels and snails to the Belleville Pool of the Ohio River in calendar year 2014.

Whereas the Ohio River Trustee Council was established pursuant to the February 2, 2007 Memorandum of Understanding entered into by the U.S. Department of the Interior, the West Virginia Division of Natural Resources, and the Ohio Environmental Protection Agency;

Whereas, an Ohio River Restoration Account (#0237) has been established in the U. S. Department of the Interior's Natural Resource Damage Assessment and Restoration Fund (NADAR Fund);

Whereas, the Ohio River Trustee Council, by unanimous consent, agrees that Two Hundred Seventy Five Thousand, Three Hundred Twelve Dollars (275,312.00) should be transferred from the Ohio River Restoration Account in the NADAR Fund to the West Virginia Division of Natural Resources, the Ohio Department of Natural Resources, the Columbus Zoo Mussel Conservation and Research Center, U.S. Fish and Wildlife Service (White Sulphur Springs National Fish Hatchery, Ohio River Islands National Wildlife Refuge, Genoa National Fish Hatchery), Tennessee Tech Cooperative Unit/U. S. Geological Survey, Missouri State University, and the Kentucky Center for Mollusk Conservation for the purpose of providing funds to implement restoration activities in calendar year 2014. The funds so transferred shall be utilized as described in the attached "Proposed Work Plan - 2014". In summary the funds will be used to:

1. continue fish host studies on elephantear and Ohio pigtoe;
2. captive propagation of three species of endangered mussels (pink mucket, fanshell, and sheepsnose) by four facilities;
3. captive propagation of up to 7 species of common mussel (Ohio pigtoe, butterfly, elephantear, round hickorynut, deertoe, fawnfoot, and black sandshell) by six facilities.
Tasks include:
 - a. collection and holding of broodstock mussels and host fish;
 - b. transformation of juvenile mussels on fish (in labs and in cages) and *in vitro*;
 - c. captive care and grow out of juveniles,
 - d. tagging and stocking of juvenile mussels into the restoration area.
4. translocation of endangered fanshell adult mussels from KY to approved sites in WV and OH;
5. collection, captive care and propagation of two species of rare snails; and
6. coordination, evaluation of results, reporting and planning for subsequent years.

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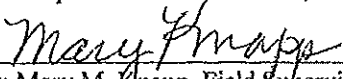
Funds will be distributed as follows:

WV Division of Natural Resources – WVDNR	\$25,224
Ohio Department of Natural Resources – ODNR and Columbus Zoo Mussel Conservation and Research Center – CZ/OSU	\$75,000
White Sulphur Springs National Fish Hatchery – WSSNFH	\$40,276
Ohio River Islands National Wildlife Refuge – ORINWR	\$13,380
Genoa National Fish Hatchery – Genoa NFH	\$14,500
Tennessee Tech Coop Unit/USGS	\$50,428
Missouri State University	\$25,254
Kentucky Center for Mollusk Conservation (KYDFWR)	\$31,250
TOTAL for 2014	\$275,312

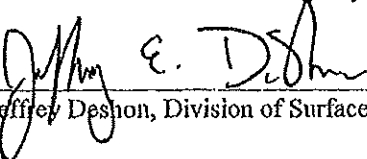
NOW THEREFORE BE IT RESOLVED that the Trustee Council agrees, by unanimous consent, that Two Hundred Seventy Five, Three Hundred Twelve Dollars (275,312.00) be transferred from the United States Department of the Interior's NRDAR Fund to U. S. Fish and Wildlife Service, the West Virginia Division of Natural Resources, the Ohio Department of Natural Resources, the Columbus Zoo Mussel Conservation and Research Center, Tennessee Tech Cooperative Unit/U. S. Geological Survey, Missouri State University, and the Kentucky Center for Mollusk Conservation for the purposes described above.

Dated this 15th day of April, 2014

U.S. Department of the Interior, U.S. Fish and Wildlife Service


By: Mary M. Knapp, Field Supervisor, Columbus Ohio Field Office

Ohio Environmental Protection Agency

 5/14/14
By: Jeffrey Deshon, Division of Surface Water, Ecological Assessment Section

West Virginia Division of Natural Resources

By: Curtis Taylor, Wildlife Resources Section

West Virginia Department of Environmental Protection

By: Jeremy Bandy, Office of Environmental Enforcement

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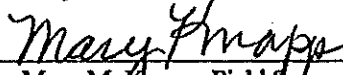
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U.S. Department of the Interior, U.S. Fish and Wildlife Service


By: Mary M. Knapp, Field Supervisor, Columbus Ohio Field Office

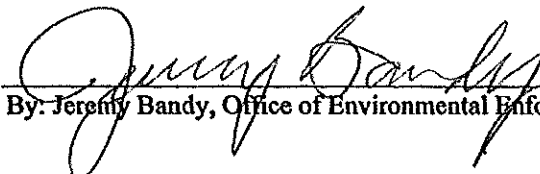
Ohio Environmental Protection Agency

By: Jeffrey Deshon, Division of Surface Water, Ecological Assessment Section

West Virginia Division of Natural Resources

By: Curtis Taylor, Wildlife Resources Section

West Virginia Department of Environmental Protection

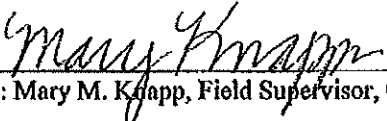

By: Jeremy Bandy, Office of Environmental Enforcement

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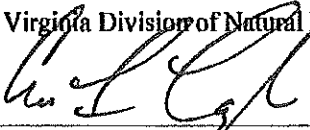
U.S. Department of the Interior
U.S. Fish and Wildlife Service


By: Mary M. Knapp, Field Supervisor, Columbus Ohio Field Office

Ohio Environmental Protection Agency

By: Brian Tucker, Division of Environmental Response and Revitalization

West Virginia Division of Natural Resources


By: Curtis Taylor, Wildlife Resources Section

West Virginia Department of Environmental Protection

By: Michael Zeto, Office of Environmental Enforcement