**WV Approved Freshwater Mussel Surveyors \***

|  |  |
| --- | --- |
| Heidi Dunn, Eric Belt, Emily Grossman, Nathan Badgett, Ryan Foley, David FordEcoAnalysts, Inc. (Previously known as Ecological Specialist, Inc.)Contact: Heidi Dunn1417 Hoff Industrial DriveO’Fallon, MO 63366phone: 636-281-1982email: hdunn@ecoanalysts.com | Michael DavisonCivil & Environmental Consultants, Inc.333 Baldwin RoadPittsburgh, PA 15205phone: 412-429-2324 ext. 1160 800-365-2324email: mdavison@cecinc.com |
| Sarah Veselka, Brian CarlsonAllStar Ecology, LLC.1582 Meadowdale Rd.Fairmont, WV 26554phone: 304-816-3490toll free: 866-213-2666cell: 304-282-9493email: sarah@allstarecology.com | Casey Swecker, Kyle McGill, John Spaeth, Adam Benshoff, David Foltz Environmental Solutions & Innovations, Inc.8 Betty LaneScott Depot WV 25560phone: 304-760-5803cell: 304-633-5808email: cswecker@envsi.com |
| Greg Zimmerman, Marty Huehner, Ryan Schwegman, Dale Dunford, Philip MathiasEnviroScience, Inc.5070 Stow RoadStow, OH 44224phone: 330-688-0111email: gzimmerman@enviroscienceinc.com | Chad Lewis, Clarissa LawlisLewis Environmental Consulting, LLC223 Rocky LaneFarmington, KY 42040phone: 270-489-6711cell: 270-227-6935email: lewis\_environmental@yahoo.com |
| Matt JohnsonEnviroScience, Inc.1722 General George Patton Drive, Suite B100Brentwood, TN 37027phone: 809-943-3457email: matt.johnson@enviroscienceinc.com | Becca Winterringer, Lindsey MossTRC Environmental Corp.Cleveland, Ohiophone: 216-403-6041email: rwinterringer@trcsolutions.comemail: LMoss@trcsolutions.com |
| Gerald DinkinsDinkins Biological Consulting. LLCPO Box 18513720 West Beaver Creek DrivePowell, TN 37849phone: 865-938-7739fax: 865-938-5081email: biodink@frontiernet.net | Dr. Michael HoggarthOtterbein UniversityDept. of Biology and Earth ScienceScience Hall 306Westerville, OH 43081phone: 614-823-1667cell: 614-374-7724email: mhoggarth@otterbein.edu  |
| Doug Locy Aquatic Systems, Inc.4621 Baptist RoadPittsburgh, PA 15227phone: 412-427-2758email: aquatic.systems@comcast.net | James Kiser, Cody FleeceStantec Consulting Services, Inc.10509 Timberwood Circle, Suite 100Louisville, KY 40223phone: 502-396-3199email: james.kiser@stantec.com  |
| Charlie MorganMainstream Commercial Divers, INC.322 C.C. Lowry DriveMurray, KY 42071phone: 270-753-9654fax: 270-753-0165email: charlie@mainstreamdivers.com | Price SewellCopperhead Environmental Consulting, Inc.11641 Richmond Rd.P.O. Box 73Paint Lick, KY 40461phone: 859-925-9012email: www.copperheadconsulting.com |
| Travis BrownWEST, Inc.408 West 6th StreetBloomington, IN 47404phone: (812) 339-1756 ext. 8 cell: (812) 272-2054email: tbrown@west-inc.com  | Joseph C. SnavelyNormandeau Associated, Inc.400 Old Reading Pike, Building A, Suite 101Stowe, PA 19464phone: 484-945-2631cell: 267-644-8928email: jsnavely@normandeau.com |
| Nathan Click (Group 1 and 3 only)200 Mero StreetFrankfort, KY 40622phone: 502-782-5009email: Nathan.click@ky.gov | William A. Tolin (Group 1 Only)4528 Georgetown RdElkins, WV 26241phone: 304-636-6004email: tolinwilliam9@gmail.com |
| Robert Oney (Group 1 & 3 Only)Jackson Group3945 Simpson LaneRichmond, KY 40475phone: 859-200-6061email: roney@jacksongroupco.com | Ben Humphrey (Group 1 and 3 only)cell: 704-778-6096email: ben.s.humphrey522@gmail.com |
| Jeff HawkinsKentucky Division of WaterWater Quality Monitoring Section300 Sower Blvd, 3rd Floor WK#22Frankfort, KY 40601Office: 502-782-6274Lab: 502-782-6144Cell: 859-339-9414Email: Jeffrey.hawkins@ky.gov | Steve Johnson (Pending)SWCA Environmental Consultants15 Research DriveAmherst, MA 01002Phone: 413.256.0202Cell: 413-323-5748 |
| Jeff GordonLawhon & Associates, Inc.Office: 614.481.8600Cell: 614.593.1530Fax: 614.481.8610 Jgordon@lawhon-assoc.com |  |

\* This list includes *individuals* who are certified to conduct surveys for freshwater mussels, this list may not include all individuals qualified to conduct such surveys. Inclusion of names on this list does not constitute endorsement by the WV Division of Natural Resources (WVDNR), the US Fish and Wildlife Service, nor any other government agency. **A WV Scientific Collecting Permit is required from the WVDNR to sample mussels in WV**.

Other contractors may be used but must be approved. See qualifications below.

**WV Certified Mussel Surveyor:** All mussels are protected in the State of West Virginia thus any construction activities such as construction of pipeline crossings on mussel streams first require a mussel survey. You must be certified to be able to conduct such surveys. Certification is in two parts.

* Identification testing is required through the WVDNR.
	+ Approved for endangered species streams (Groups 2 and 4):  overall score of 85% and score 100% on the endangered species.
	+ Non-endangered mussel streams (Groups 1 and 3): overall score of 85%.
	+ The test is closed book and closed shell (simulating live condition).
* Must possess adequate experience and submit references.
	+ Endangered species streams (Groups 2 and 4): at least 3 years of field experience conducting surveys similar to the WV Mussel Survey Protocols and submit two acceptable letters of reference.
	+ Non-endangered species streams (Groups 1 and 3): at least 2 years of field experience conducting surveys similar to the WV Mussel Survey Protocols and submit two acceptable letters of reference.
	+ To maintain certification the surveyor must:
		- Provide documentation that the surveyor is maintaining familiarity with WV’s federally listed species through training or fieldwork. Minimum requirements based on a running two year average: Must handle 5 individuals (5 each of males and females if applicable) of each species per year in the field; or 0.5 hours per species in a museum or reference collection. Specimens can be from outside WV.
		- Provide training hours and location of reference collection with approximate number of each federally listed species, by sex, handled each year.
			* If reference collection is not a recognized museum such as Ohio State University, Carnegie, etc. then the collection must have prior approval from the State Mussel Program leader.
		- Provide approximate number of each federally listed species, by sex, handled each year in the field.
		- Provide a yearly tally of number of surveys conducted by Stream Group. These may include surveys in other states and placed into equivalent Stream Group.
		- Reporting is due February 15 for the previous year’s efforts.

**Additional Individuals for Group 1 & 3 only. Not listed above as someone in company already approved for all levels:**

Taylor Fagin, Copperhead Environmental Consulting, Inc.

Mitchell Kriege, Environmental Solutions and Innovations, Inc.

Aaron Prewitt, Environmental Solutions and Innovations, Inc.

Sarah Bender, TRC Environmental Corp.