

Completed reports will be available at: <http://www.uwyo.edu/wyndd/reports-and-publications/>

Completed between 1 June – 1 November 2018

Tronstad, L.M. and M. D. Andersen. 2018. Aquatic snails of the Snake and Green River Basins of Wyoming. Report prepared for the Wyoming Game and Fish Department by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M., K.M. Brown and M.D. Andersen. 2018. Using species distribution models to guide field surveys for an apparently rare aquatic beetle. *Journal of Fish and Wildlife Management* 9:330-339.

In-progress as of 1 November 2018

Andersen, M.D., B. Heidel, P. O'Toole, M. Arnett, D. Ratz and B. Maxell. 2018 *in preparation*. The Wyoming Field Guide: an online platform for species account information. Report prepared for the USDI Bureau of Land Management by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming

Crawford, M., C. Bell and L.M. Tronstad. 2018 *in preparation*. Investigating potential effects of bloom density on attracting rare pollinating insects. Report prepared for the Wyoming NASA Undergraduate Fellowship and Wyoming Research Scholars Program by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Dority, D., L.M. Tronstad, M.E. Dillon and M.I. Dority. 2018 *in preparation*. Effects of wind turbines on insects, plants, and ecological cascades. Report prepared for the Wyoming NASA Undergraduate Research Fellowship, Wyoming EPSCoR, and National Science Foundation by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Handley, J. and L. Tronstad. 2018 *in preparation*. Investigating the status, pollen-limitation and pollinators of *Yermo xanthocephalus* (desert yellowhead) in central Wyoming. Report prepared for USDI Bureau of Land Management-Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Handley, J. and L. Tronstad. 2018 *in preparation*. Investigating the status, pollen-limitation and pollinators of *Trifolium barnebyi* (Barneby's clover) in central Wyoming. Report prepared for USDI Bureau of Land Management-Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Handley, J. and L. Tronstad. 2018 *in preparation*. Investigating the status, pollen-limitation and pollinators of *Penstemon absarokensis* (Absaroka Range beardtongue) in northwest Wyoming. Report prepared for USDI Bureau of Land Management-Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Heidel, B., I. Abernethy, L. Tronstad and Z. Wallace. 2018 *in preparation*. Inventory and monitoring of sensitive species in the Oregon Buttes and Whitehorse Creek Wilderness Study Areas, Wyoming. Report prepared for the USDI Bureau of Land Management by the Wyoming Natural Diversity Database – University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. 2018 *in preparation*. Investigating the distribution of *Zapada glacier* in Wyoming. Report prepared for the USDA Forest Service-Region 2 by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. 2018 *in preparation*. Investigating the status and distribution of the aquatic beetle, Narrow-foot Hygrotus Diving Beetle (*Hygrotus diversipes*). Report prepared for the USDI Bureau of Land Management–Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. 2018 *in preparation*. Aquatic invertebrate monitoring at Agate Fossil Beds National Monument: annual report. Report prepared for the USDI National Park Service–Great Plains Network by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. 2018 *in preparation*. Life history of *Oreohelix* in the Snowy Mountains, Wyoming. Report prepared for the Wyoming Game and Fish Department by the Wyoming Natural Diversity Database-University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. 2018 *in preparation*. Statewide assessment of rare invertebrates in Wyoming. Report prepared for the Wyoming Governor's Office and the Wyoming Game and Fish Department by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. and M.D. Andersen. 2018 *in preparation*. Aquatic snails of Wyoming. Report prepared for the Wyoming Game and Fish Department by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. and M.E. Dillon. 2018 *in preparation*. Wyoming native bee guide. Prepared for the USDA Forest Service–Rocky Mountain Region and the USDI Bureau of Land Management–Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. and T.M. Koel. 2018 *in preparation*. Nutrient cycling and plankton dynamics of Yellowstone Lake, Yellowstone National Park. Report prepared for the USDI National Park Service–Yellowstone National Park by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. and T.M. Koel. 2018 *in preparation*. Investigating the food web dynamics in Yellowstone Lake 30 years after the invasion of lake trout. Report prepared for the USDI National Park Service–Yellowstone National Park by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. and O.J. Wilmot. 2018 *in preparation*. The status and distribution of the Regal Fritillary (*Speyeria idalia*) in Wyoming. Report prepared for the Wyoming Governor's Office and the Wyoming Game and Fish Department by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M. and O.J. Wilmot. 2018 *in preparation*. Native freshwater mussel follow-up and eDNA investigations: using new techniques to search for Plain Pocketbook and Giant Floater. Report prepared for the Wyoming Game and Fish Department by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L., I.M. Abernethy and G. Jones. 2018 *in preparation*. Investigating how riparian vegetation affects aquatic health and animal diversity in Wyoming basins. Report prepared for the USDI Bureau of Land Management–Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L., G. Jones, M. Andersen and G. Beauvais. 2018 *in preparation*. Modeling and mapping the distribution of insect prey used by Greater Sage-Grouse during the early brood rearing period. Report prepared for the USDI Bureau of Land Management–Wyoming State Office by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M., C. Bell and M.E. Dillon. 2018 *in preparation*. Investigating the current status of the declining Western Bumblebee, *Bombus occidentalis*, in Wyoming. Report prepared for the USDI Bureau of Land Management, USGS Wyoming Landscape Conservation Initiative, University of Wyoming Biodiversity Institute, Wyoming NASA Graduate Fellowship, and USDA National Forest Service by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.

Tronstad, L.M., J.J. Giersch, S. Hotaling, A. Shah, L. Zeglin, R.J. Bixby and D.S. Finn. 2018 *in preparation*. Assessing thermal tolerance of vulnerable alpine stream insects as part of a long-term monitoring project in the Teton Range, Wyoming. Report prepared for the University of Wyoming-National Park Service Research Center by the Wyoming Natural Diversity Database - University of Wyoming, Laramie, Wyoming.