ADDIE R. SHANOR, CAILTIN N. de VRIES, TAYLOR R. WHITSON, and DR. ZACHARY J. LOUGHMAN,
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26074. Epigean Crayfishes of the Greenbrier River Drainage.

Although the distribution and status of West Virginia’s crayfishes has received more attention since the
publication of Jezerinac et al.’s monograph of the state fauna in 1995, the crayfishes of the Greenbrier
River Drainage have been neglected. Conservation concerns for imperiled crayfish fauna have increased
in recent years. However, in order to form effective management plans, a thorough understanding of
the distribution and conservation status of a region’s fauna is necessary. In order to establish this
understanding of crayfish fauna within the Greenbrier River Drainage, the West Liberty University
Crayfish Conservation Laboratory performed surveys during the summers of 2008 and 2009 within the
drainage. These efforts have revealed new information regarding the distribution, life history, natural
history, taxonomy, and conservation status of the complete assemblage of epigean crayfish species
found in the Greenbrier River Drainage: *Cambarus appalachiensis, C. carinirostris, C. chasmodactylus, C.
smilax, Faxonius cristavarius, F. obscurus, F. sanbornii, and F. virilis*. This novel information regarding the
distribution and life history of the epigean crayfishes present within the drainage can be used to combat
the major conservation threats affecting the native crayfish within the drainage including nonnative
crayfishes, land-use practices, and pollutants.