

**Not R2 SS, But Should Be Considered for other
Emphasis Species Lists**

Recommendations and Evaluations

Common Name: Mystery Vertigo

Scientific Name: *Vertigo paradoxa sterki*

Recommendation: **Not R2 SS, be should be considered for other Emphasis Species Lists**

Recommendation Rationale:

Black Hills endemic; limited to the Black Hills NF (G2). Poor dispersal capability. Fossil and bleached shell evidence indicates that through climate change a once broad distribution during glacial periods has receded during glacial retreat, leaving an apparent relict population in the Black Hills. Relict populations raise concern because they are limited to a very limited and narrow ecological setting remaining after glacial retreat. Often, such habitats are then inherently vulnerable to loss or modification, with concomitant species loss. Nonetheless, after review of the evaluation, it is not clear that a current viability threat or shrinkage of populations and habitat is in evidence. Twenty-seven populations are apparently known on the Black Hills, with no information provided that they are declining or that identified risks pose a threat to Regional viability. Still, localized endemism, uncommon status, and tendency to be found in rich, relatively undisturbed habitats seem to indicate that some level of protective and management attention may be warranted. Therefore, we move the species to the “....Other emphasis species lists” category, with the recommendation that the Black Hills NF evaluate for special management emphasis where appropriate.