

Midwest Pleistocene Vertigo *Vertigo hubrichti*

Habitat Preference: Cold, undisturbed, well-forested Algific slopes. Often found in or adjacent to cold air vents.

Threats:

- Human disturbance of slope habitat
 - Overgrazing
 - Causes compaction of the vents which prevents the cold air flow the snails are dependent upon.
 - Directly crushes individuals.
 - Logging
 - Causes erosion
 - Causes compaction of the vents which prevents the cold air flow the snails are dependent upon.
 - Causes fragmentation that further isolates the populations
 - Creates a loss of shade which creates warmer and drier conditions.
 - Contributes to direct harm from falling or removing logs.
 - Road Construction
 - Quarrying
 - Foot traffic
 - Pesticides
- Human disturbance of sink holes that feed the slopes
 - Filling in of sink holes
- Invasion of non-native species; especially garlic mustard.

Appropriate Practices:

- Fencing to exclude grazing.
- Do not spray pesticides aerially within 100 yards of known habitat or ground spray within 20 yards of known habitat.
- Buffer sink holes to prevent them from filling with sediment.
- Limit human access to areas known to harbor Midwest Pleistocene Vertigo.