

Heritage Ranking Form - Global Rank

Scientific Name: Thelypodium howellii ssp. spectabilis

Common Name: Howell's spectacular thelypody

Classification: Vascular Plant

Range Extent: AB = <100-250 sq km (< ~40 to 100 sq miles)

Currently only known from the Powder River Valley in northern Baker and southern Union Counties. Presumed extant locations cover 104 km² calculated by convex hull.

Population Size: CF = 250 - 100,000 individuals

Comments: Highest population counts in 1990s of about 25,000 to 50,000 plants. Comprehensive surveys have not been done since. Plants in right-of-way surveys in 2000s number about 200.

Number of

Occurrences: B = 6 - 20

Comments: 6 extant EOs using 1 km separation distance.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: 11 km² grid cells occupied with presumed extant populations.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: Two with good viability due to easements or management by landowner, though complete surveys have not been done since 1990s due to locations being on private land.

Environmental

Specificity: Not Evaluated

Comments: None

Short Term Trends: DE = Decline of 30 - 70%

Comments: Revisits to several sites have not relocated plants.

Long Term Trends: DE = Decline of 30 - 70%

Comments: Conversion of habitat to agricultural land.

Threat Impact: A = Very High

Comments: Known sites are all privately owned and threatened by agriculture, rural development, grazing, and non-native species. Calculated as highly vulnerable to climate change.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: T1S1

Comments: Number of extant sites is declining. Small habitat range. All sites are on private land and are located in an area where the plant's habitat has been and continues to be modified for farming and grazing and other purposes. In particular, cattle like to eat this plant.

Rank Notes: Calculator Rank (unrevised)=T1. subspecies and state rank

Reference: US Fish and Wildlife Service. 2003. Recovery plan for Howell's spectacular thelypody (*Thelypodium howellii* ssp. *spectabilis*). U.S. Fish and Wildlife Service, Portland, Oregon. 47 pp.

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