

SPECIES: Scientific [common]	<i>Zapus hudsonius campestris</i> [Bear Lodge Meadow Jumping Mouse]
Forest:	Bridger-Teton National Forest
Forest Reviewer:	Randall Griebel, James Wilder
Date of Review:	01/29/2018; reviewed 4/22/2025
Forest concurrence (or recommendation if new) for inclusion of species on list of potential SCC: (Enter Yes or No)	NO

FOREST REVIEW RESULTS:

1. The Forest concurs or recommends the species for inclusion on the list of potential SCC:
Yes ___ No X ___
2. Rationale for not concurring is based on (check all that apply):
Species is not native to the plan area X ___
Species is not known to occur in the plan area X ___
Species persistence in the plan area is not of substantial concern X ___

FOREST REVIEW INFORMATION:

1. Is the Species Native to the Plan Area? Yes ___ No X ___

If no, provide explanation and stop assessment.

There are two sub-species of Meadow jumping mouse in Wyoming – the Preble’s meadow jumping mouse (Z. h. preblei) and the Bear Lodge meadow jumping mouse (Z. h. campestris). The Bridger-Teton National Forest is outside the range of both sub-species (Map 1). The Bear Lodge meadow jumping mouse is found in the Black Hills (Map 2) and does not overlap with the distribution of the Preble’s meadow jumping mouse, found in the southeastern portion of the state (WGFD 2017). The meadow jumping mouse may be found in a variety of habitats but are most commonly found near water, including along ponds, streams, and marshes with dense vegetation (WGFD 2017). While there is habitat for the Bear Lodge meadow jumping mouse on the BTNF, the forest is outside the range of this species and the Bear Lodge meadow jumping mouse does not occupy the forest or the vicinity. Based on the range and distribution of this species, the Bear Lodge meadow jumping mouse is not native to the BTNF.

Wyoming Game and Fish Department. 2017. State Wildlife Action Plan. Meadow Jumping Mouse (*Zapus hudsonius*).

2. Is the Species Known to Occur within the Planning Area? Yes ___ No ___

If no, stop assessment.

Table 1. All Known Occurrences, Years, and Frequency within the Planning Area

Year Observed	Number of Individuals	Location of Observations (USFS District, Town, River, Road Intersection, HUC, etc.)	Source of Information
NA	0	NA	NA

- a. Are all Species Occurrences Only Accidental or Transient?

Yes___ No___

If yes, document source for determination and stop assessment.

- b. For species with known occurrences on the Forest since 1990, based on the number of observations and/or year of last observation, can the species be presumed to be established or becoming established in the plan area?

Yes___ No___

If no, provide explanation and stop assessment

- c. For species with known occurrences on the Forest predating 1990, does the weight of evidence suggest the species still occurs in the plan area?

Yes___ No___

Provide explanation for determination

If determination is no, stop assessment

- d. **Map 1**, Meadow jumping mouse range map of North America (Note: Map does not depict range of each sub-species).



Wyoming Game and Fish Department. 2017. State Wildlife Action Plan. Meadow Jumping Mouse (*Zapus hudsonius*).

- e. **Map 2**, Range and predicted distribution of *Zapus hudsonius campestris* in Wyoming (Note: *Z. h. preblei* is not depicted in map for clarity).



SOURCE: Digital maps of ranges for Wyoming Species of Greatest Conservation Need: Sept. 2016. Wyoming Game and Fish Department and Wyoming Natural Diversity Database, University of Wyoming, Laramie, Wyoming.
Note that brown indicates the predicted distribution of the species;
heavy black lines indicate outermost boundaries of possible occurrence.
Note: The range and distribution containing Preble's Meadow Jumping Mouse was removed from this map for clarity.
See the Preble's Meadow Jumping Mouse account for details on the subspecies.

Wyoming Game and Fish Department. 2017. State Wildlife Action Plan. Meadow Jumping Mouse (*Zapus hudsonius*).

3. Is There Substantial Concern for the Species' Capability to persist Over the Long-term in the Plan Area Based on Best Available Scientific Information?

Table 2. Status summary based on best available scientific information.

Species (Scientific and Common Name): <i>Zapus hudsonius campestris</i> [Bear Lodge Meadow Jumping Mouse]		
Criteria	Rationale	Literature Citations
Distribution on Bridger-Teton National Forest	NA	
Abundance on the Bridger-Teton National Forest	NA	
Population Trend on the Bridger-Teton National Forest	NA	
Habitat Trend on the Bridger-Teton National Forest	NA	
Vulnerability of Habitats on the Bridger-Teton National Forest	NA	
<p>Summary and recommendations: The Bridger-Teton National Forest is well outside the identified range and distribution of the Bear Lodge meadow jumping mouse and the species is not native to the planning area. Additionally, records suggest the Bear Lodge meadow jumping mouse does not occupy the Forest or the vicinity. For these reasons, there is no substantial concern for the Species' capability to persist in the planning area. Therefore, it is recommended that the Bear Lodge meadow jumping mouse is not a Species of Conservation Concern for the Bridger-Teton National Forest.</p> <p>Evaluator(s): Ashley Egan, Randall Griebel</p>		Date: January 24, 2018