

SPECIES: Scientific [common]	<i>Myotis thysanodes</i> [Fringed Myotis]
Forest:	Bridger-Teton National Forest
Forest Reviewer:	Randall Griebel, James Wilder
Date of Review:	01/29/2018; reviewed 4/24/2025
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 _____
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 X ___ No ___

If no, provide explanation and stop assessment.
2. Is the Species Known to Occur within the Planning Area? Yes ___ No X ___

If no, stop assessment.

According to the Wyoming Natural Diversity Database, there has been one potential Fringed myotis occurrence record on the Bridger-Teton National Forest in 1991. However, the record notes that the ID was made by recording of echolocation, which is not reliably diagnostic for this species. Given the uncertainty of the observation, it is not considered a known occurrence on the Forest and there are no other observation records of this species on the BTNF. No Fringed myotis were recorded during the 2024 NaBat surveys on the BTNF.

The Fringed myotis prefers dry habitat including grassland, shrubland, and desert that is interspersed with mature Ponderosa pine, Pinyon juniper, or Oak forest (WGFD 2017). Throughout Wyoming, the species roosts in rock structures, Ponderosa pine, mines, caves, and building structures.

The modeled distribution of this species encompasses large areas of the Bridger-Teton National Forest (Map 2). While there are occurrence records of the species in the vicinity, these locations are largely associated with the suitable habitat adjacent to the Forest (Map 3).

Wyoming Game and Fish Department. 2017. State Wildlife Action Plan. Fringed Myotis (*Myotis thysanodes*).

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

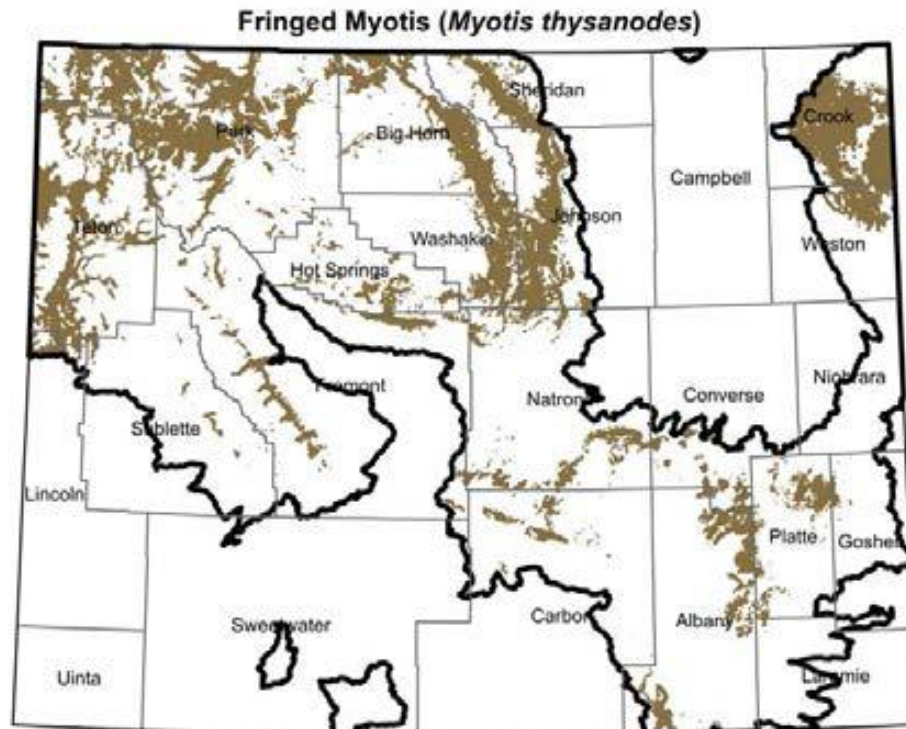
If determination is no, stop assessment

d. **Map 1**, Fringed myotis range map of North America

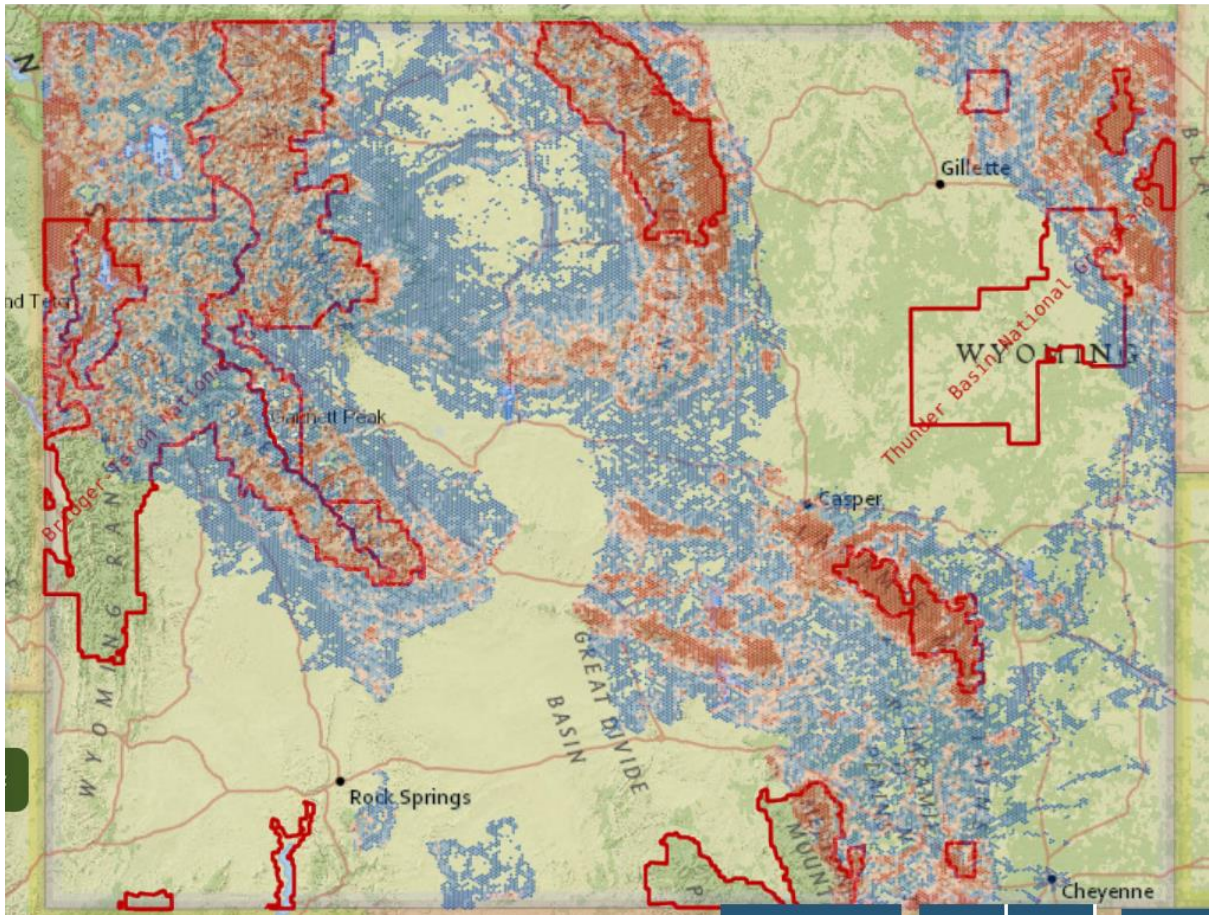


Wyoming Game and Fish Department. 2017. State Wildlife Action Plan. Fringed Myotis (*Myotis thysanodes*).

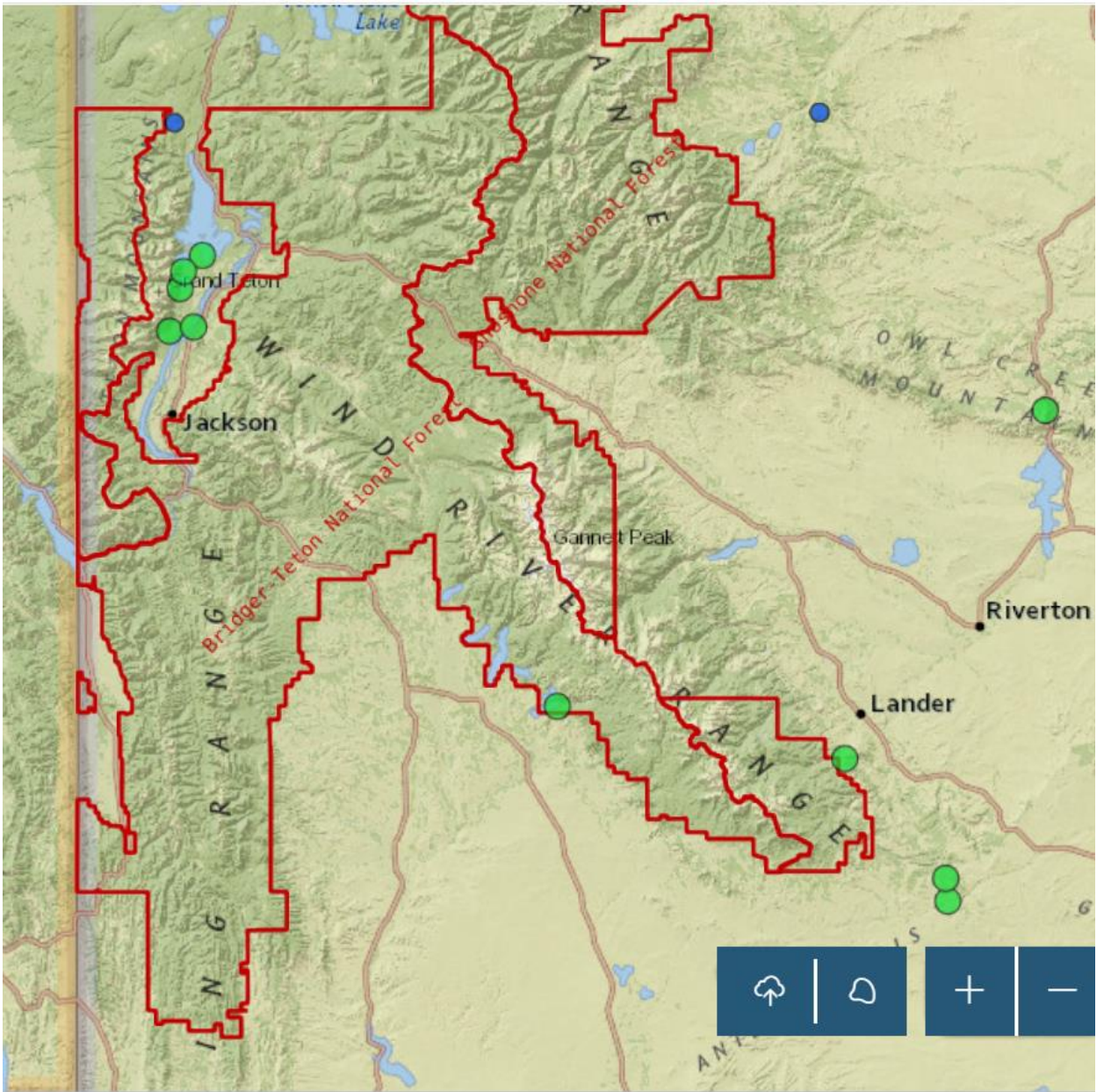
- e. **Map 2**, Range and predicted distribution of *Myotis thysanodes* in Wyoming (Wyoming Natural Diversity Database [April 2025])



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.



f. **Map 3**, Map of Fringed myotis occurrences on the Bridger-Teton National Forest from 1990 to current (Wyoming Natural Diversity Database [April 2025])



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>Myotis thysanodes</i> [Fringed Myotis]		
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 within the modeled distribution for the Fringed myotis but there is very little suitable habitat for this species on the Forest. The occurrence records suggest that this species is found within the vicinity of the BTNF, where suitable habitat for this species is present. At this time, there is no concern for this species capability to persist on the planning unit and therefore it is recommended that the Fringed myotis is not a Species of Conservation Concern for the Bridger-Teton National Forest.</p> <p>Evaluator(s): Ashley Egan, Randall Griebel</p>		Date: January 23, 2018