Addendum to
Monitoring Wyoming’s Birds
2002-2004 Final Report

Maps of Species Detections

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Executive Summary

In 2002, Rocky Mountain Bird Observatory (RMBO), in cooperation with Bureau of Land Management, U.S. Forest Service, Wyoming Game and Fish Department, and the Wyoming Partners In Flight group, implemented a long-term, habitat-based bird monitoring program designed to provide rigorous population trend data on most diurnal, regularly occurring breeding bird species in Wyoming (Leukering et al. 2001). Modeled after Monitoring Colorado’s Birds (Leukering et al. 2000), this program is entitled Monitoring Wyoming’s Birds (MWB). Monitoring Wyoming’s Birds is consistent with goals emphasized in the Partners In Flight National Landbird Monitoring Strategy (Bart et al. 2001) and, in addition to monitoring bird populations, generates a wealth of information useful in managing birds (e.g., habitat associations, spatial distribution).

This addendum serves as a visual reference for the distribution of species detections during the 2002-2004 field seasons. The maps depict only those species detected during transects. It should be stressed that the maps depict the transects on which the species were detected and not the overall distribution of the bird species. Many species are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

The maps were generated with program Arc View, using Universal Transverse Mercator (UTM) coordinates collected during the 2002-2004 field seasons. The transect locations on the maps represent the mid-point (point 8) of each transect.
### Statewide Monitoring Maps

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Index to all Statewide Monitoring Transects conducted during the 2002-2004 field seasons
Distribution of **Canada Goose** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Gadwall** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
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Distribution of **Blue-winged Teal** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Cinnamon Teal** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Northern Pintail** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Green-winged Teal** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Ring-necked Duck** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Bufflehead** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Barrow’s Goldeneye** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Common Merganser** detections on Statewide Monitoring transects during the 2002-2004 field seasons.

Distribution of **Chuckar** detections on Statewide Monitoring transects during the 2002-2004 field seasons.

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Distribution of **Ring-necked Pheasant** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Ruffed Grouse** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Greater Sage-Grouse** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Blue Grouse** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Wild Turkey** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **American White Pelican** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Great Blue Heron** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Turkey Vulture** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Osprey** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Bald Eagle** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Northern Harrier** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Sharp-shinned Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Cooper’s Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Northern Goshawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Broad-winged Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Red-tailed Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Ferruginous Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Golden Eagle** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **American Kestrel** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Merlin** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Prairie Falcon** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Sora** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **American Coot** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Sandhill Crane** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Killdeer** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Mountain Plover** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Willet** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Spotted Sandpiper** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Upland Sandpiper** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Long-billed Curlew** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Wilson’s Snipe** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Rock Pigeon** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Great Horned Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Northern Pygmy-Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Burrowing Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Short-eared Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Common Nighthawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Common Poorwill** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **White-throated Swift** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Black-chinned Hummingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Calliope Hummingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
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Distribution of **Downy Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Hairy Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Three-toed Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Black-backed Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
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Distribution of **Western Wood-Pewee** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Willow Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Least Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Hammond’s Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Gray Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Dusky Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Cordilleran Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Say’s Phoebe** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Ash-throated Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Cassin’s Kingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Western Kingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Eastern Kingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Loggerhead Shrike** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Plumbeous Vireo** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of Warbling Vireo detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of Red-eyed Vireo detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Gray Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Steller’s Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Western Scrub-Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Pinyon Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Clark’s Nutcracker** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Black-billed Magpie** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict **the point-count transects on which the species were detected** and **not the overall statewide distribution of the species**. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
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Distribution of **Horned Lark** detections on Statewide Monitoring transects during the 2002-2004 field seasons

**Note:** The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Purple Martin** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Tree Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Violet-green Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Northern Rough-winged Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Bank Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Cliff Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Barn Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Black-capped Chickadee** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Mountain Chickadee** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of Juniper Titmouse detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of Bushtit detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Red-breasted Nuthatch** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **White-breasted Nuthatch** detections on Statewide Monitoring transects during the 2002-2004 field seasons

**Note:** The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Pygmy Nuthatch** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Brown Creeper** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Rock Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Canyon Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Bewick’s Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **House Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons

**Note:** The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **American Dipper** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Golden-crowned Kinglet** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Western Bluebird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Mountain Bluebird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
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Distribution of **Swainson’s Thrush** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Hermit Thrush** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **American Robin** detections on Statewide Monitoring transects during the 2002-2004 field seasons

**Note:** The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Northern Mockingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Sage Thrasher** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
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Distribution of **American Pipit** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Cedar Waxwing** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Orange-crowned Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Virginia’s Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Yellow Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Yellow-rumped Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Black-throated Gray Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Northern Waterthrush** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **MacGillivray’s Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Common Yellowthroat** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the **point-count transects on which the species were detected** and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Wilson’s Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Western Tanager** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict **the point-count transects on which the species were detected** and **not the overall statewide distribution of the species**. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Spotted Towhee** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Chipping Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Brewer’s Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Field Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons
Distribution of **Vesper Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Sage Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Lark Bunting** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Savannah Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Grasshopper Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Fox Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Song Sparrow** detections on Statewide Monitoring transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
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Distribution of **Dark-eyed Junco** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **McCown’s Longspur** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the *point-count transects on which the species were detected* and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Chestnut-Collared Longspur** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Black-headed Grosbeak** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Blue Grosbeak** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Lazuli Bunting** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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Distribution of **Red-winged Blackbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Western Meadowlark** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Yellow-headed Blackbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Brewer’s Blackbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

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*Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Common Grackle** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Brown-headed Cowbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Orchard Oriole** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Bullock’s Oriole** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Scott’s Oriole** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **Pine Grosbeak** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Cassin’s Finch** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **House Finch** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Red Crossbill** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Distribution of **White-winged Crossbill** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Pine Siskin** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Evening Grosbeak** detections on Statewide Monitoring transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall statewide distribution of the species. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
## Bighorn National Forest Maps

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Distribution of **Green-winged Teal** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Northern Harrier** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Northern Goshawk** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Swainson’s Hawk** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Golden Eagle** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of Wilson’s Snipe detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of Mourning Dove detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Broad-tailed Hummingbird** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Williamson’s Sapsucker** detections on Bighorn National Forest transects during the 2002-2004 field seasons
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Distribution of **Downy Woodpecker** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Three-toed Woodpecker** detections on Bighorn National Forest transects during the 2002-2004 field seasons
Distribution of **Northern Flicker** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Olive-sided Flycatcher** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Western Wood-Pewee** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Hammond’s Flycatcher** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Dusky Flycatcher** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Cordilleran Flycatcher** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Eastern Kingbird** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Warbling Vireo** detections on Bighorn National Forest transects during the 2002-2004 field seasons
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Distribution of **Steller’s Jay** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Clark’s Nutcracker** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Black-billed Magpie** detections on Bighorn National Forest transects during the 2002-2004 field seasons
Distribution of **American Crow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Common Raven** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Horned Lark** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Tree Swallow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Violet-green Swallow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Cliff Swallow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Black-capped Chickadee** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Mountain Chickadee** detections on Bighorn National Forest transects during the 2002-2004 field seasons
Distribution of **Red-breasted Nuthatch** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **White-breasted Nuthatch** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of Rock Wren detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **House Wren** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Winter Wren** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Ruby-crowned Kinglet** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Townsend’s Solitaire** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Swainson’s Thrush** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Hermit Thrush** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **American Robin** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Gray Catbird** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Sage Thrasher** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Cedar Waxwing** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Yellow Warbler** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Ovenbird** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Wilson’s Warbler** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of Western Tanager detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of Green-tailed Towhee detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Chipping Sparrow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Brewer’s Sparrow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

Distribution of **Vesper Sparrow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Song Sparrow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Black-headed Grosbeak** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Red-winged Blackbird** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **Cassin’s Finch** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **White-winged Crossbill** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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Distribution of **House Sparrow** detections on Bighorn National Forest transects during the 2002-2004 field seasons

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## Shoshone National Forest Maps

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Distribution of **Mallard** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Green-winged Teal** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Common Merganser** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Chukar** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Ruffed Grouse** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Greater Sage-Grouse** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Blue Grouse** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Osprey** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Sharp-shinned Hawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Cooper’s Hawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Northern Goshawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Red-tailed Hawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Golden Eagle** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **American Kestrel** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Prairie Falcon** detections on Shoshone National Forest transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
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Distribution of **Killdeer** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Spotted Sandpiper** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Long-billed Curlew** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Wilson’s Snipe** detections on Shoshone National Forest transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Mourning Dove** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Common Nighthawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **White-throated Swift** detections on Shoshone National Forest transects during the 2002-2004 field seasons.

Distribution of **Broad-tailed Hummingbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons.

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Distribution of **Rufous Hummingbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Belted Kingfisher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Williamson’s Sapsucker** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Red-naped Sapsucker** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Downy Woodpecker** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Hairy Woodpecker** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Three-toed Woodpecker** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Northern Flicker** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Least Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Hammond’s Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Gray Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Dusky Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Cordilleran Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Warbling Vireo** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Gray Jay** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Steller’s Jay** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Clark’s Nutcracker** detections on Shoshone National Forest transects during the 2002-2004 field seasons.

Distribution of **Black-billed Magpie** detections on Shoshone National Forest transects during the 2002-2004 field seasons.

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Distribution of **American Crow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the **point-count transects on which the species were detected** and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Common Raven** detections on Shoshone National Forest transects during the 2002-2004 field seasons
Distribution of **Horned Lark** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Tree Swallow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Black-capped Chickadee** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Mountain Chickadee** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Brown Creeper** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Rock Wren** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **House Wren** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **American Dipper** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Golden-crowned Kinglet** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Ruby-crowned Kinglet** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Western Bluebird** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Mountain Bluebird** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Townsend’s Solitaire** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Veery** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Swainson’s Thrush** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Hermit Thrush** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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**Note:** The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **American Robin** detections on Shoshone National Forest transects during the 2002-2004 field seasons

\[ \text{Distribution of **Gray Catbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons} \]

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Sage Thrasher** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **American Pipit** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Orange-crowned Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Yellow Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Wilson’s Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Western Tanager** detections on Shoshone National Forest transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Green-tailed Towhee** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict **the point-count transects on which the species were detected** and **not the overall distribution of the species in Shoshone National Forest**. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.

Distribution of **Chipping Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons
Distribution of **Brewer’s Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Vesper Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Lark Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Song Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Lincoln’s Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **White-crowned Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Dark-eyed Junco** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Black-headed Grosbeak** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Lazuli Bunting** detections on Shoshone National Forest transects during the 2002-2004 field seasons

*Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.*
Distribution of **Red-winged Blackbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Western Meadowlark** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Brewer’s Blackbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Common Grackle** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Brown-headed Cowbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Cassin’s Finch** detections on Shoshone National Forest transects during the 2002-2004 field seasons

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Distribution of **Red Crossbill** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Pine Siskin** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **American Goldfinch** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Distribution of **Evening Grosbeak** detections on Shoshone National Forest transects during the 2002-2004 field seasons

Note: The maps depict the point-count transects on which the species were detected and not the overall distribution of the species in Shoshone National Forest. Many individuals are sure to occur in areas that were not sampled by transects, or were present but not detected in areas that were sampled.
Distribution of **Red Squirrel** detections on Shoshone National Forest transects during the 2002-2004 field seasons.

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