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

Maps of Species Detections

Prepared by:

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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).

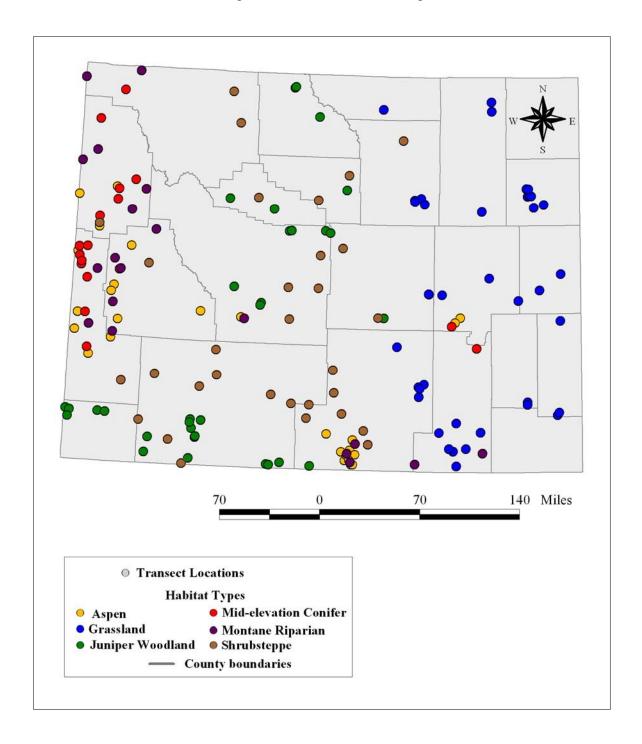
This addendum serves as a visual reference for the distribution of species detections during the 2002-2004 field seasons. The maps depict only those species detected during transects. It should be stressed that the maps depict the *transects on which the species were detected* and not the *overall distribution 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.

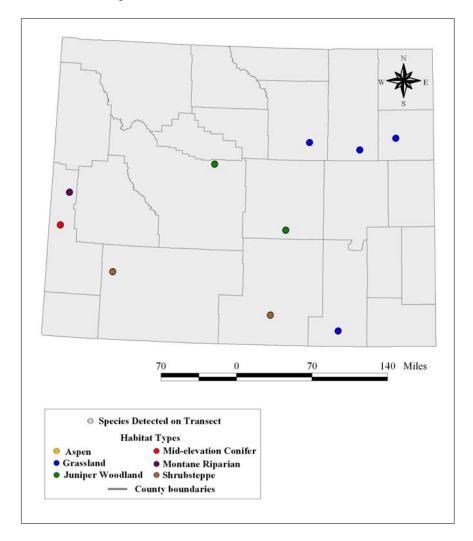
Statewide Monitoring Maps

Species	Page	Species	Page	Species	Page
American Avocet	24	Eastern Kingbird	45	Red Squirrel	95
American Coot	22	European Starling	69	Red-breasted Nuthatch	58
American Crow	51	Evening Grosbeak	95	Red-eyed Vireo	47
American Dipper	62	Ferruginous Hawk	19	Red-naped Sapsucker	36
American Goldfinch	94	Field Sparrow	78	Red-tailed Hawk	19
American Kestrel	20	Fox Sparrow	82	Red-winged Blackbird	87
American Pipit	70	Gadwall	4	Ring-billed Gull	28
American Robin	67	Golden Eagle	20	Ring-necked Duck	8
American White Pelican	13	Golden-crowned Kinglet	62	Ring-necked Pheasant	11
American Wigeon	5	Grasshopper Sparrow	81	Rock Pigeon	29
Ash-throated Flycatcher	44	Gray Catbird	67	Rock Wren	60
Bald Eagle	15	Gray Flycatcher	42	Ruby-crowned Kinglet	63
Bank Swallow	54	Gray Jay	48	Ruffed Grouse	11
Barn Swallow	55	Great Blue Heron	14	Rufous Hummingbird	35
Barrow's Goldeneye	9	Great Horned Owl	30	Sage Sparrow	80
Belted Kingfisher	35	Greater Sage-Grouse	12	Sage Thrasher	68
Bewick's Wren	61	Green-tailed Towhee	76	Sandhill Crane	23
Black-backed Woodpecker	38	Green-winged Teal	7	Savannah Sparrow	81
Black-billed Magpie	50	Hairy Woodpecker	37	Say's Phoebe	43
Black-capped Chickadee	56	Hammond's Flycatcher	41	Scott's Oriole	91
Black-chinned Hummingbird	33	Hermit Thrush	66	Sharp-shinned Hawk	16
Black-headed Grosbeak	85	Horned Lark	52	Short-eared Owl	31
Black-throated Gray Warbler	73	House Finch	92	Song Sparrow	82
Blue Grosbeak	86	House Wren	61	Sora	22
Blue Grouse	12	Juniper Titmouse	57	Spotted Sandpiper	25
Blue-gray Gnatcatcher	63	Killdeer	23	Spotted Towhee	77
Blue-winged Teal	6	Lark Bunting	80	Steller's Jay	48
Brewer's Blackbird	88	Lark Sparrow	79	Swainson's Hawk	18
Brewer's Sparrow	78	Lazuli Bunting	86	Swainson's Thrush	66
Broad-tailed Hummingbird	34	Least Flycatcher	41	Three-toed Woodpecker	38
Broad-winged Hawk	18	Lesser Scaup	8	Townsend's Solitaire	65
Brown Creeper	59	Lincoln's Sparrow	83	Tree Swallow	53
Brown Thrasher	69	Loggerhead Shrike	46	Turkey Vulture	14
Brown-headed Cowbird	89	Long-billed Curlew	26	Upland Sandpiper	26
Bufflehead	9	MacGillivray's Warbler	74	Veery	65
Bullock's Oriole	90	Mallard	5	Vesper Sparrow	79
Burrowing Owl	31	McCown's Longspur	84	Violet-green Swallow	53
Bushtit	57	Merlin	21	Virginia's Warbler	71
California Gull	28	Mountain Bluebird	64	Warbling Vireo	47
Calliope Hummingbird	34	Mountain Chickadee	56	Western Bluebird	64
Canada Goose	4	Mountain Plover	24	Western Kingbird	45
Canyon Wren	60	Mourning Dove	29	Western Meadowlark	87
Cassin's Finch	92	N. Rough-winged Swallow	54	Western Scrub-Jay	49
Cassin's Kingbird	44	Northern Flicker	39	Western Tanager	76
Cedar Waxwing	70	Northern Goshawk	17	Western Wood-Pewee	40
Chestnut-collared Longspur	85	Northern Harrier	16	White-breasted Nuthatch	58
Chipping Sparrow	77	Northern Mockingbird	68	White-crowned Sparrow	83
Chukar	10	Northern Pintail	7	White-throated Swift	33
Cinnamon Teal	6	Northern Pygmy-Owl	30	White-winged Crossbill	93
Clark's Nutcracker	50	Northern Waterthrush	73	Wild Turkey	13
Cliff Swallow	55	Olive-sided Flycatcher	39	Willet	25
Common Grackle	89	Orange-crowned Warbler	71	Williamson's Sapsucker	36
Common Merganser	10	Orchard Oriole	90	Willow Flycatcher	40
Common Nighthawk	32	Osprey	15	Wilson's Phalarope	27
Common Poorwill	32	Pine Grosbeak	91	Wilson's Snipe	27
Common Raven	51	Pine Siskin	94	Wilson's Warbler	75
Common Yellowthroat	74	Pinyon Jay	49	Yellow Warbler	72
Cooper's Hawk	17	Plumbeous Vireo	46	Yellow-breasted Chat	75
Cordilleran Flycatcher	43	Prairie Falcon	21	Yellow-headed Blackbird	88
Dark-eyed Junco	84	Purple Martin	52	Yellow-rumped Warbler	72
Downy Woodpecker	37	Pygmy Nuthatch	59	-	
Dusky Flycatcher	42	Red Crossbill	93		

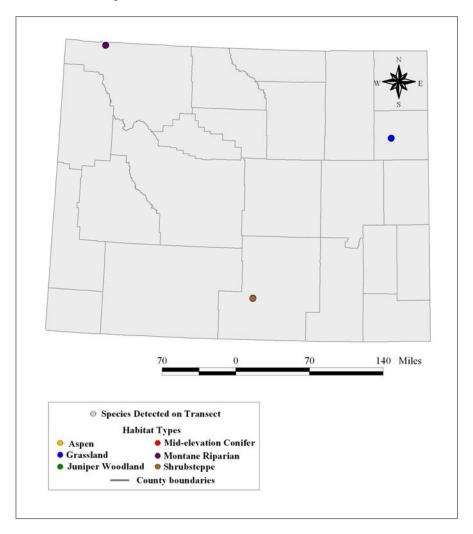
Index to all Statewide Monitoring Transects conducted during the 2002-2004 field seasons



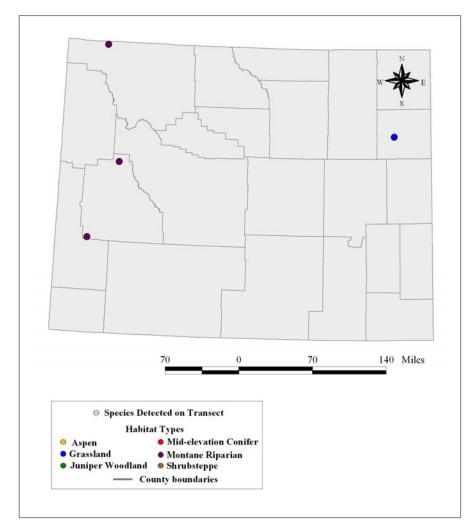
Distribution of **Canada Goose** detections on Statewide Monitoring transects during the 2002-2004 field seasons



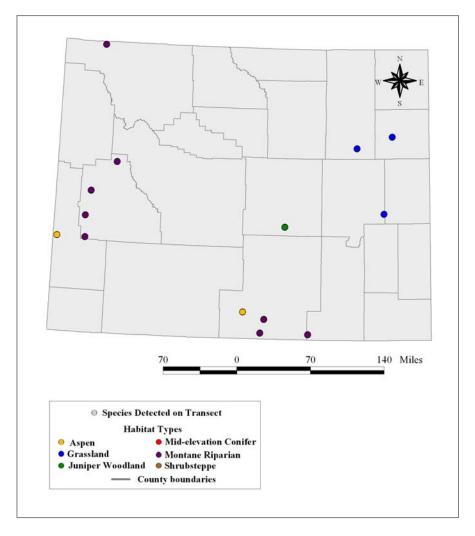
Distribution of **Gadwall** detections on Statewide Monitoring transects during the 2002-2004 field seasons



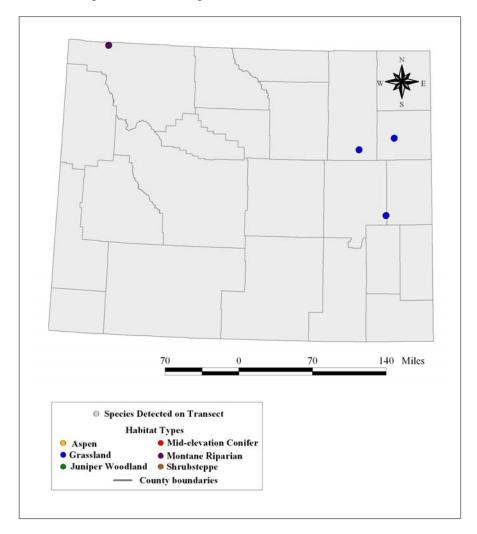
Distribution of **American Wigeon** detections on Statewide Monitoring transects during the 2002-2004 field seasons



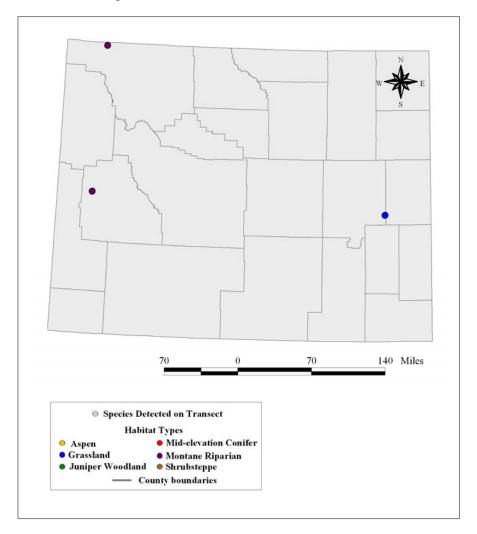
Distribution of **Mallard** detections on Statewide Monitoring transects during the 2002-2004 field seasons



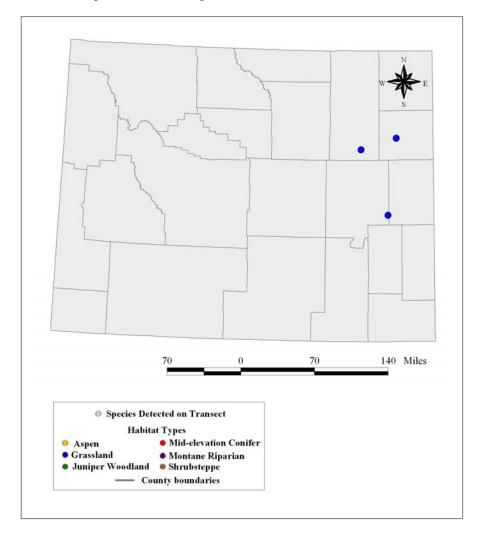
Distribution of **Blue-winged Teal** detections on Statewide Monitoring transects during the 2002-2004 field seasons



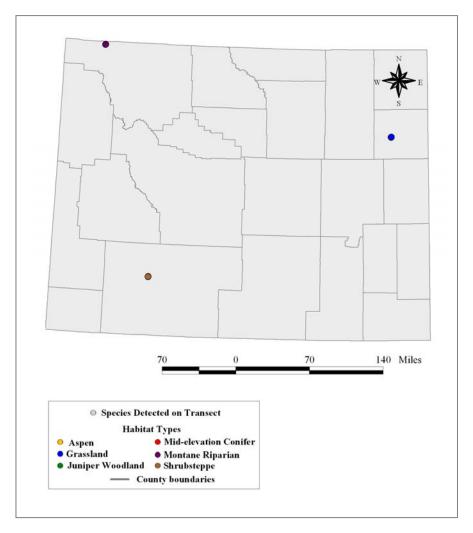
Distribution of **Cinnamon Teal** detections on Statewide Monitoring transects during the 2002-2004 field seasons



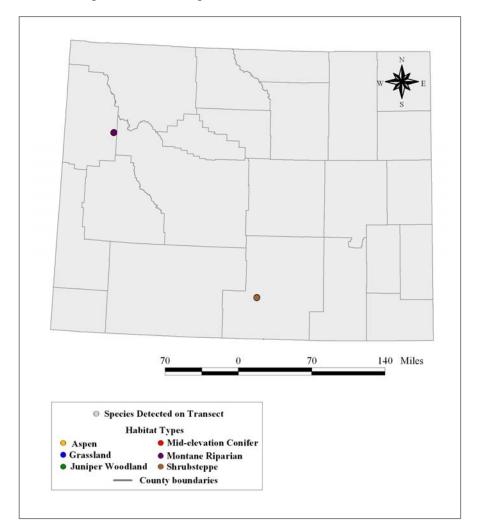
Distribution of **Northern Pintail** detections on Statewide Monitoring transects during the 2002-2004 field seasons



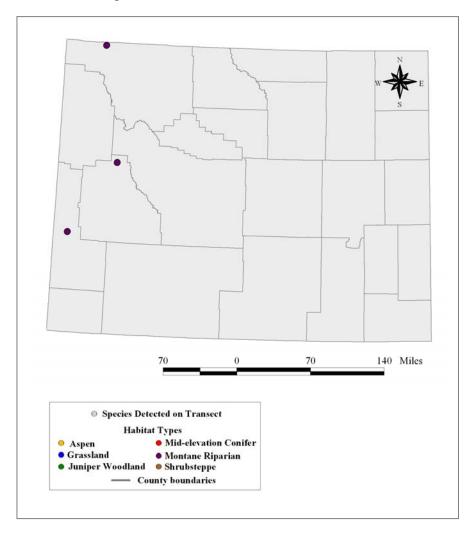
Distribution of **Green-winged Teal** detections on Statewide Monitoring transects during the 2002-2004 field seasons



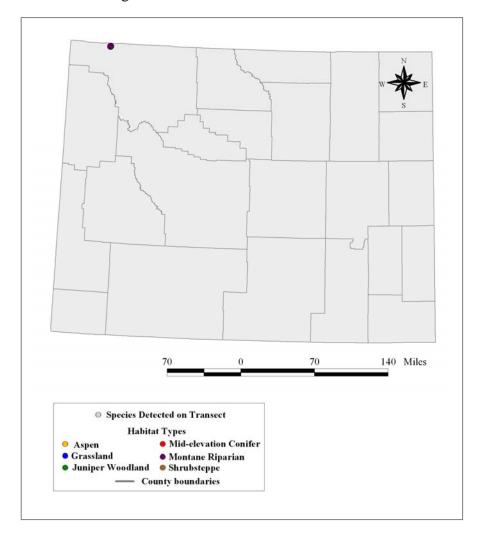
Distribution of **Ring-necked Duck** detections on Statewide Monitoring transects during the 2002-2004 field seasons



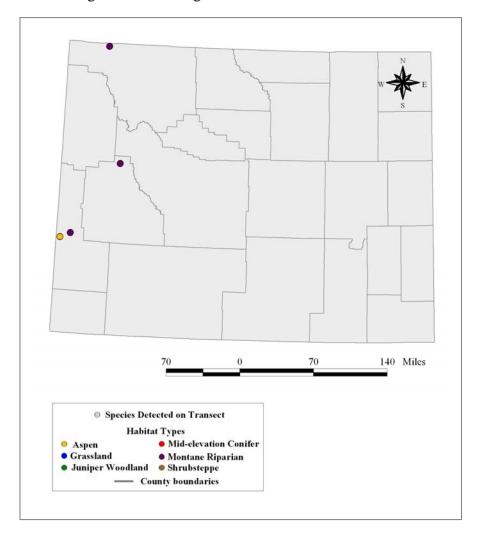
Distribution of **Lesser Scaup** detections on Statewide Monitoring transects during the 2002-2004 field seasons



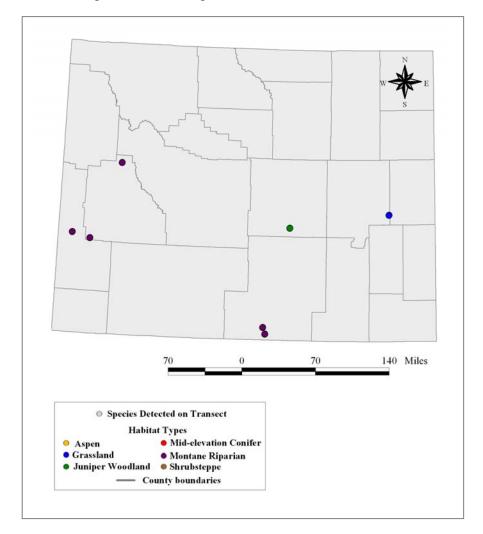
Distribution of **Bufflehead** detections on Statewide Monitoring transects during the 2002-2004 field seasons



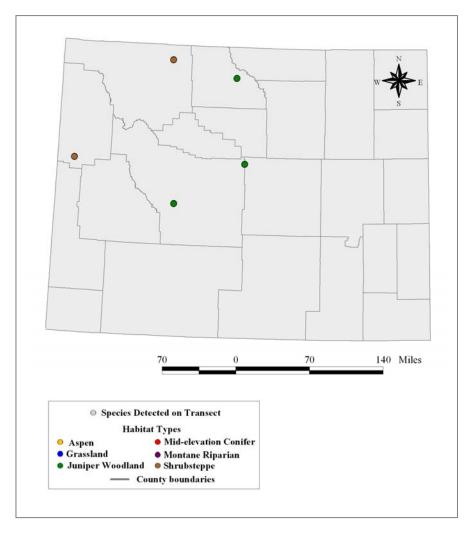
Distribution of **Barrow's Goldeneye** detections on Statewide Monitoring transects during the 2002-2004 field seasons



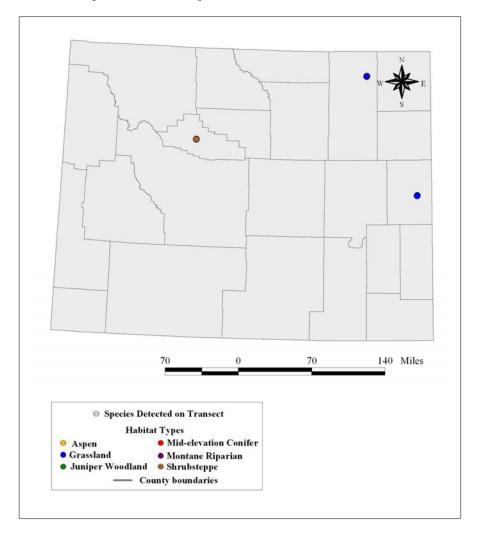
Distribution of **Common Merganser** detections on Statewide Monitoring transects during the 2002-2004 field seasons



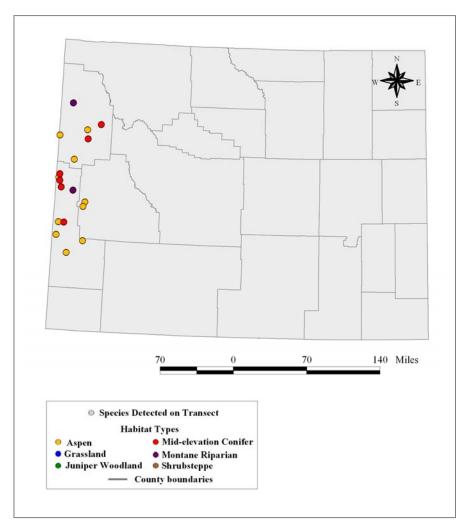
Distribution of **Chuckar** detections on Statewide Monitoring transects during the 2002-2004 field seasons



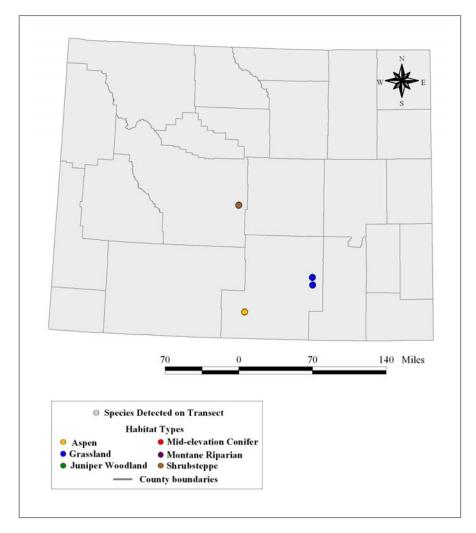
Distribution of **Ring-necked Pheasant** detections on Statewide Monitoring transects during the 2002-2004 field seasons



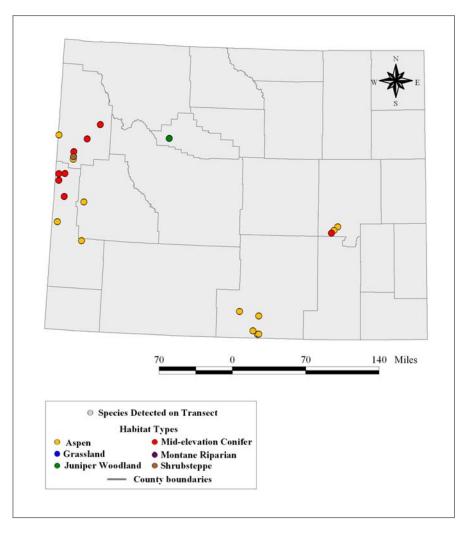
Distribution of **Ruffed Grouse**detections on Statewide Monitoring transects during the 2002-2004 field seasons



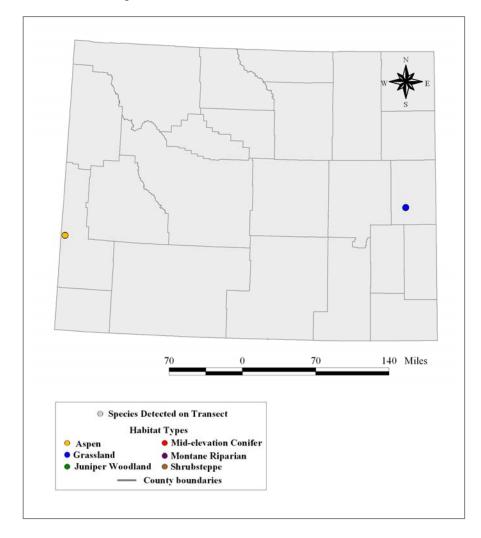
Distribution of **Greater Sage-Grouse** detections on Statewide Monitoring transects during the 2002-2004 field seasons



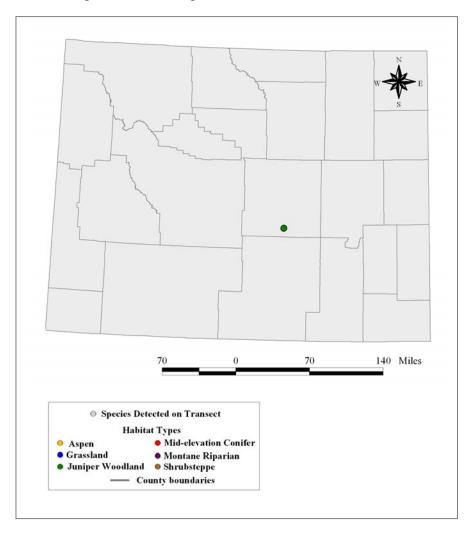
Distribution of **Blue Grouse** detections on Statewide Monitoring transects during the 2002-2004 field seasons



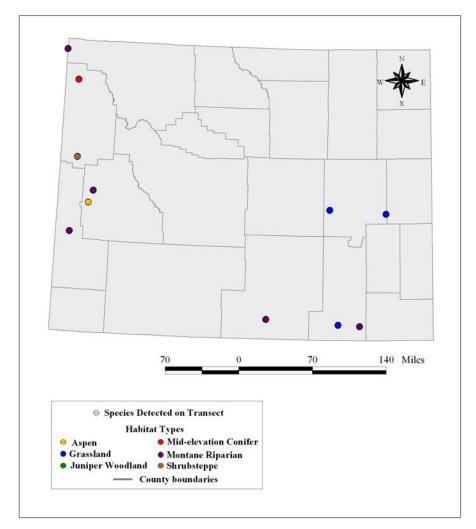
Distribution of **Wild Turkey** detections on Statewide Monitoring transects during the 2002-2004 field seasons



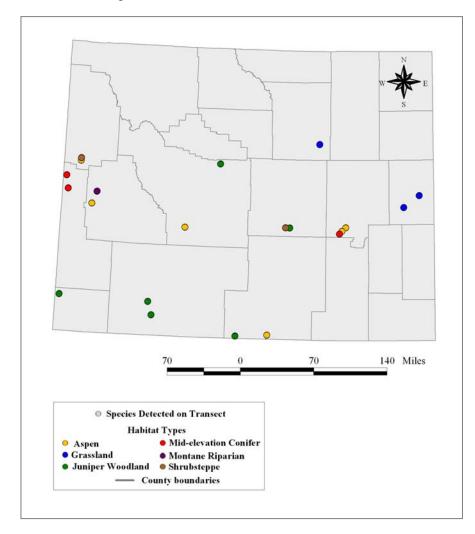
Distribution of **American White Pelican** detections on Statewide Monitoring transects during the 2002-2004 field seasons



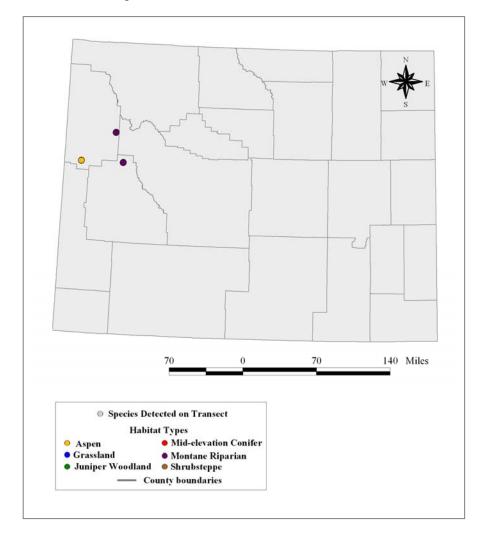
Distribution of **Great Blue Heron** detections on Statewide Monitoring transects during the 2002-2004 field seasons



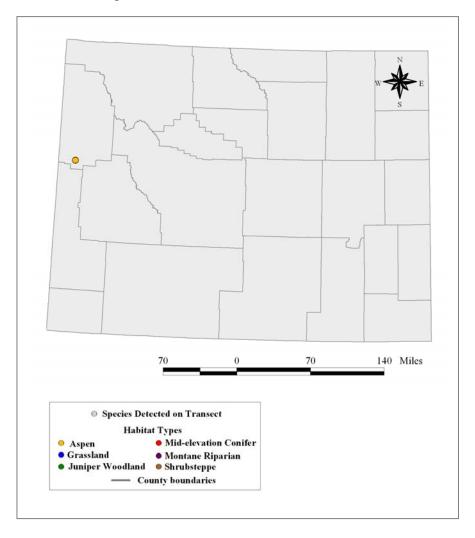
Distribution of **Turkey Vulture** detections on Statewide Monitoring transects during the 2002-2004 field seasons



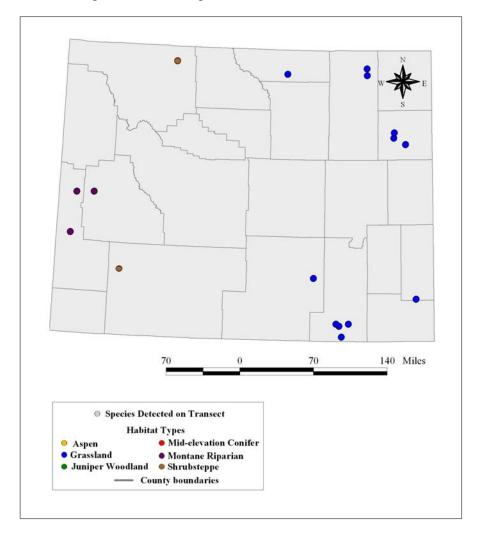
Distribution of **Osprey** detections on Statewide Monitoring transects during the 2002-2004 field seasons



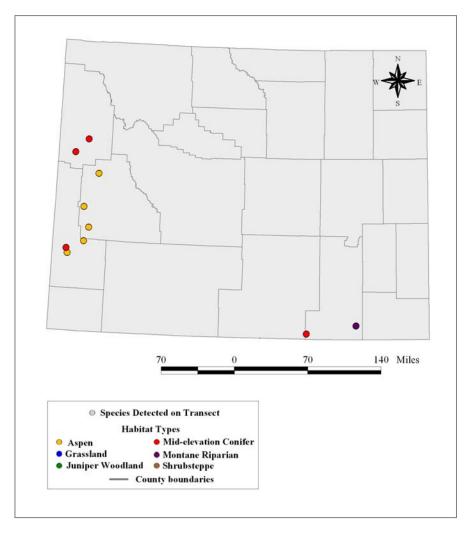
Distribution of **Bald Eagle** detections on Statewide Monitoring transects during the 2002-2004 field seasons



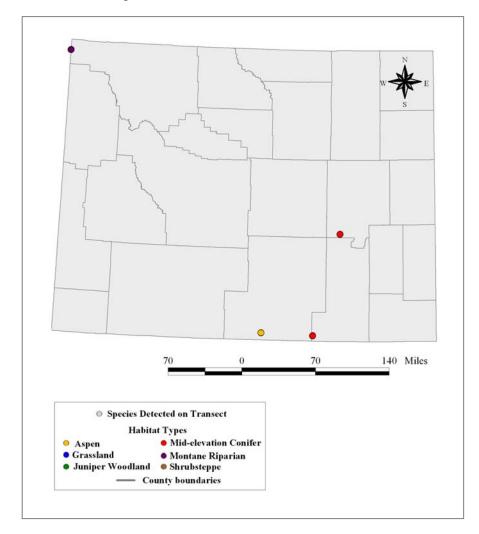
Distribution of **Northern Harrier** detections on Statewide Monitoring transects during the 2002-2004 field seasons



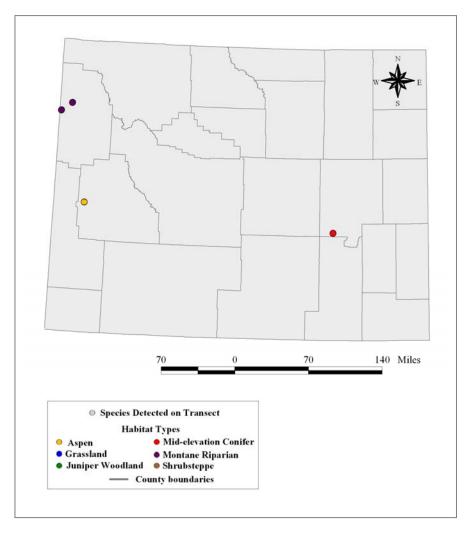
Distribution of **Sharp-shinned Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



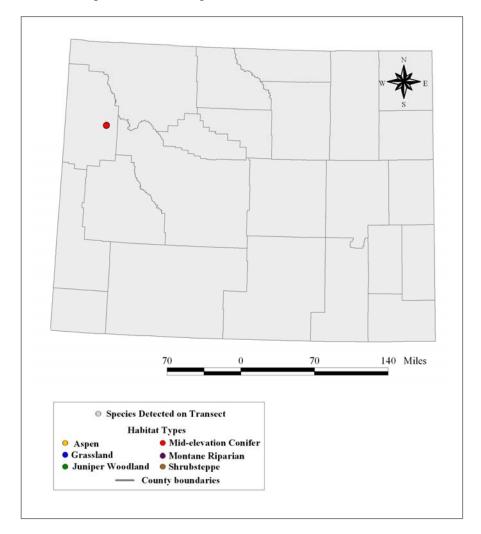
Distribution of **Cooper's Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



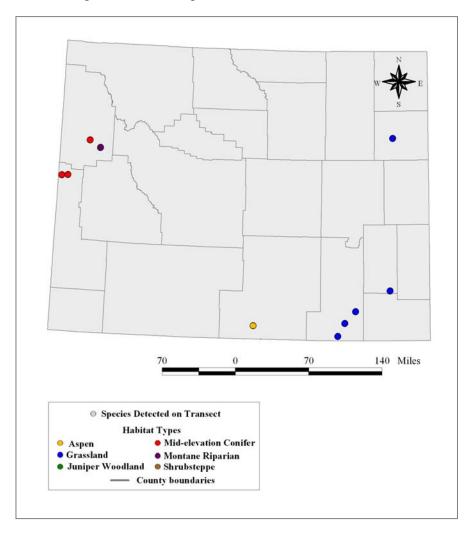
Distribution of **Northern Goshawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



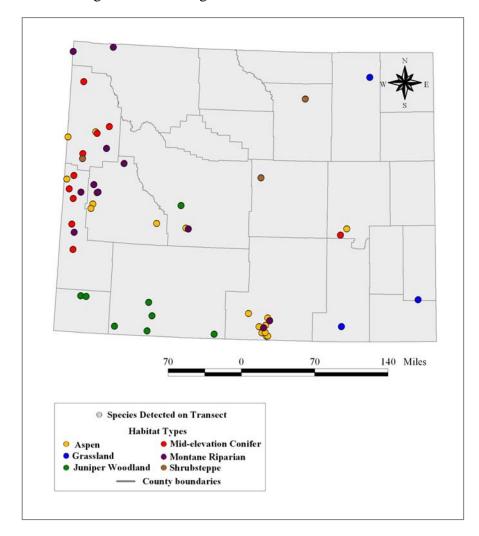
Distribution of **Broad-winged Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



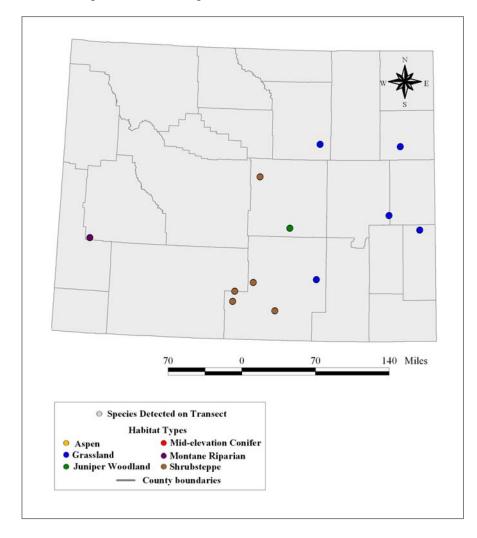
Distribution of **Swainson's Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



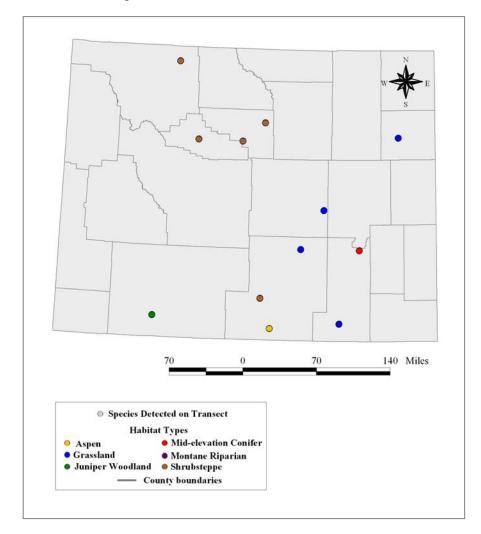
Distribution of **Red-tailed Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



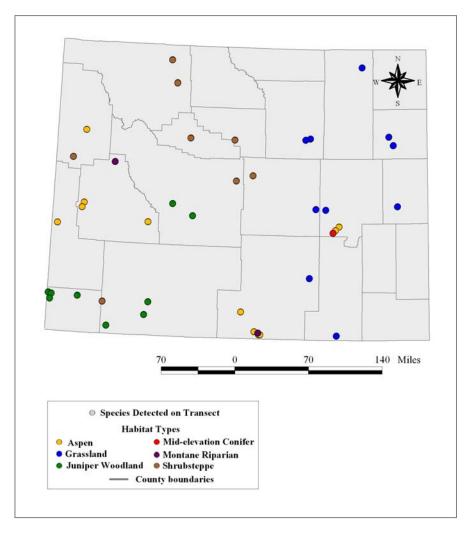
Distribution of **Ferruginous Hawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



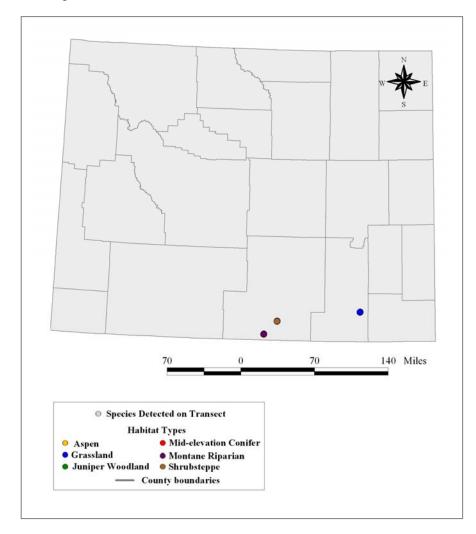
Distribution of **Golden Eagle** detections on Statewide Monitoring transects during the 2002-2004 field seasons



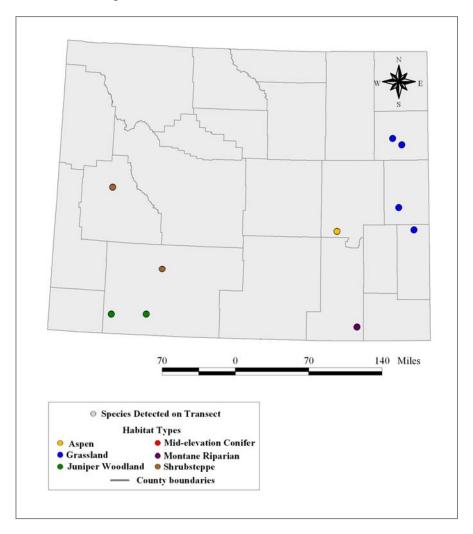
Distribution of **American Kestrel** detections on Statewide Monitoring transects during the 2002-2004 field seasons



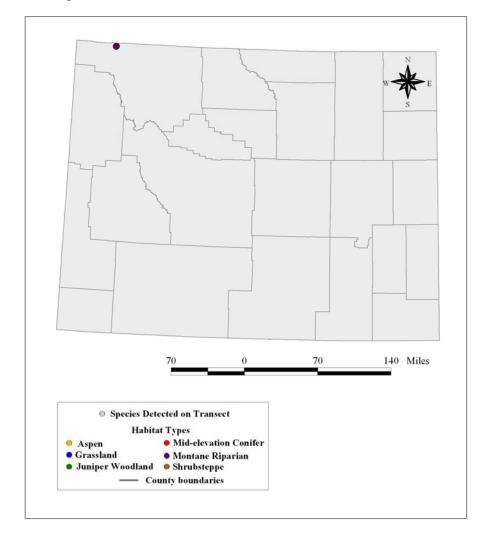
Distribution of **Merlin** detections on Statewide Monitoring transects during the 2002-2004 field seasons



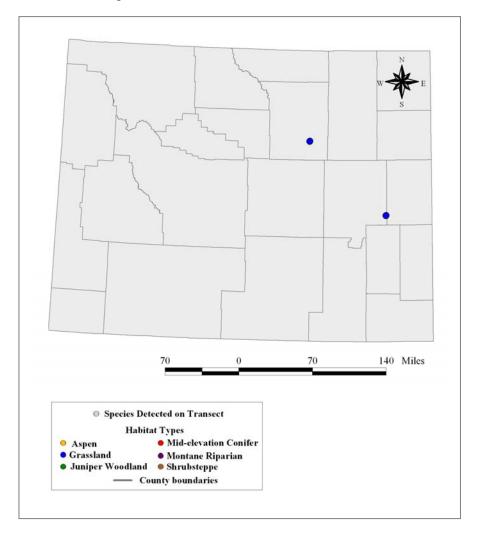
Distribution of **Prairie Falcon** detections on Statewide Monitoring transects during the 2002-2004 field seasons



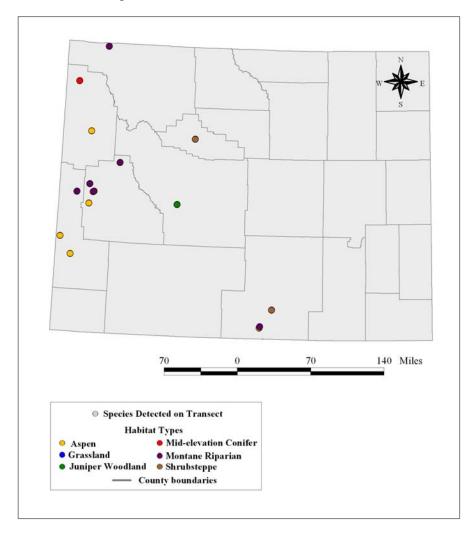
Distribution of **Sora** detections on Statewide Monitoring transects during the 2002-2004 field seasons



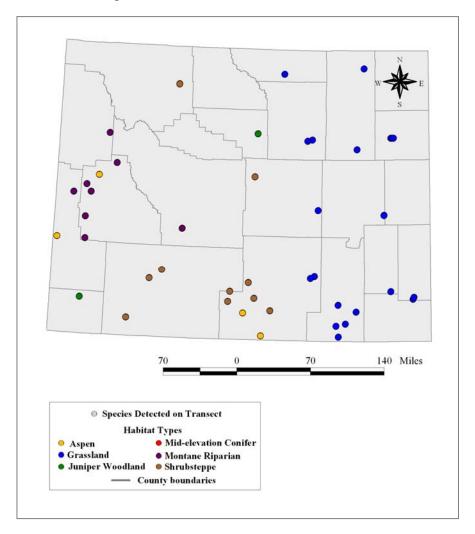
Distribution of **American Coot** detections on Statewide Monitoring transects during the 2002-2004 field seasons



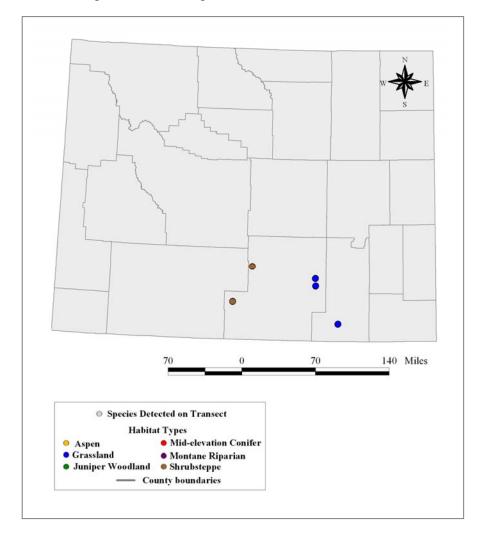
Distribution of **Sandhill Crane** detections on Statewide Monitoring transects during the 2002-2004 field seasons



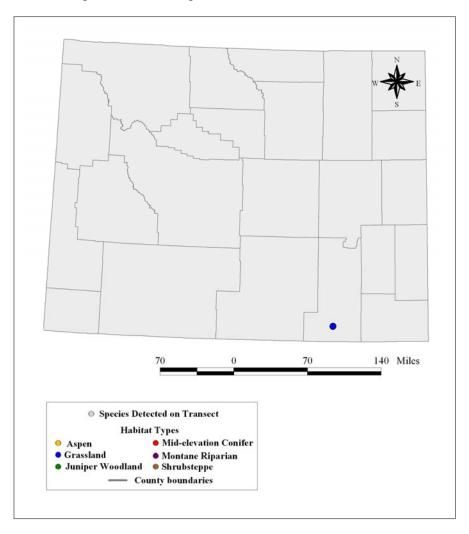
Distribution of **Killdeer** detections on Statewide Monitoring transects during the 2002-2004 field seasons



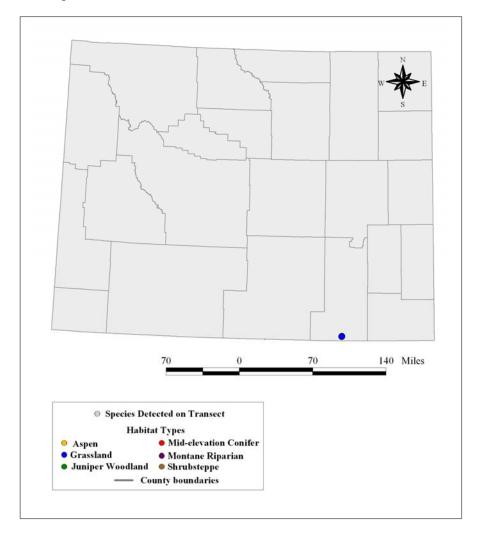
Distribution of **Mountain Plover** detections on Statewide Monitoring transects during the 2002-2004 field seasons



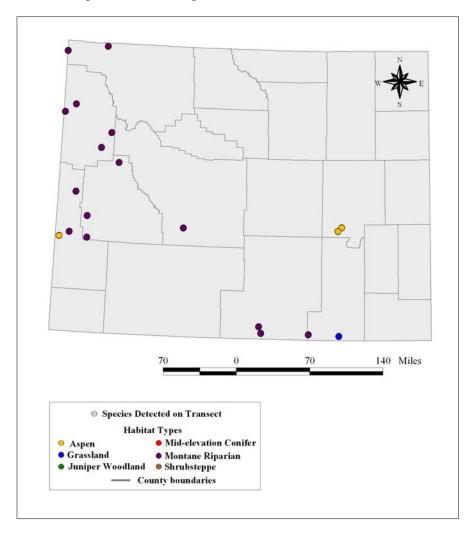
Distribution of **American Avocet** detections on Statewide Monitoring transects during the 2002-2004 field seasons



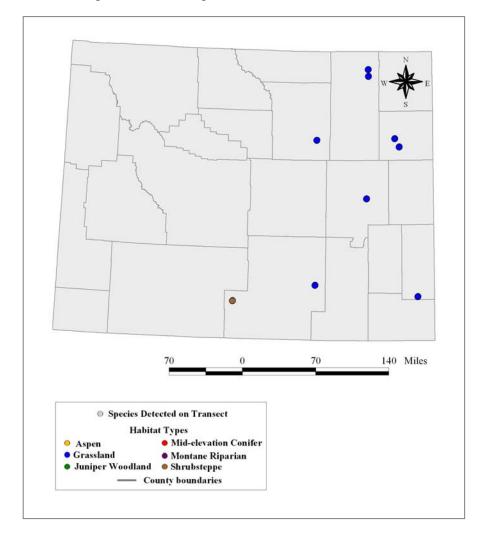
Distribution of **Willet** detections on Statewide Monitoring transects during the 2002-2004 field seasons



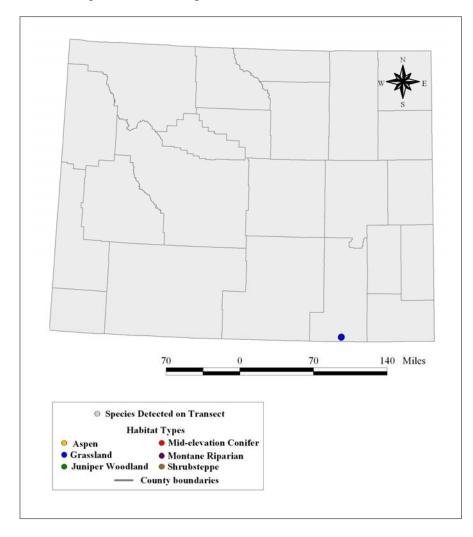
Distribution of **Spotted Sandpiper** detections on Statewide Monitoring transects during the 2002-2004 field seasons



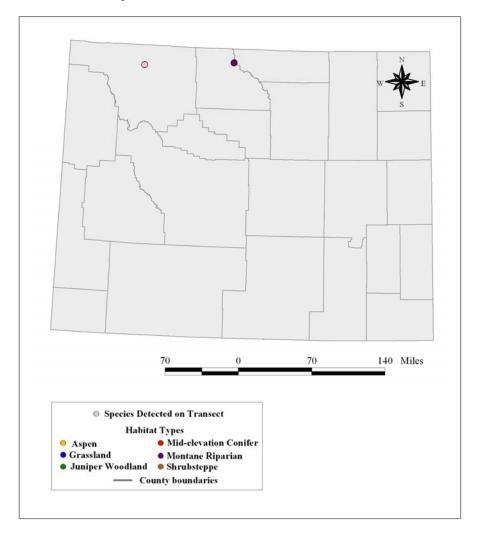
Distribution of **Upland Sandpiper** detections on Statewide Monitoring transects during the 2002-2004 field seasons



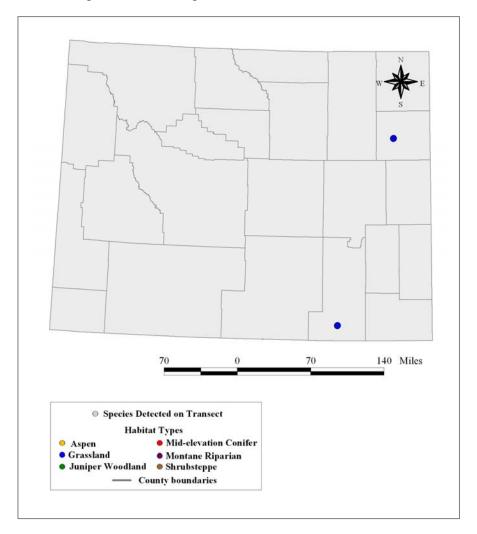
Distribution of **Long-billed Curlew** detections on Statewide Monitoring transects during the 2002-2004 field seasons



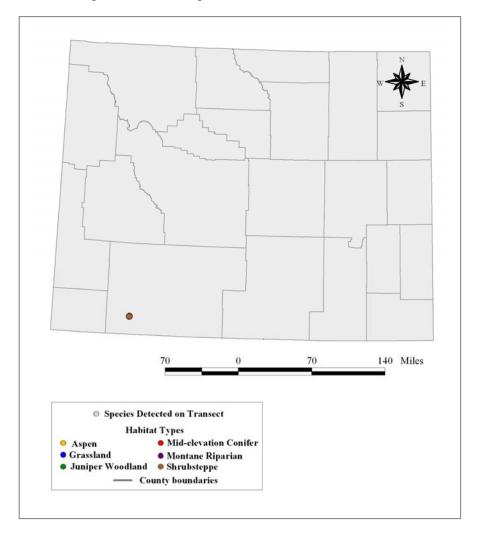
Distribution of **Wilson's Snipe** detections on Statewide Monitoring transects during the 2002-2004 field seasons



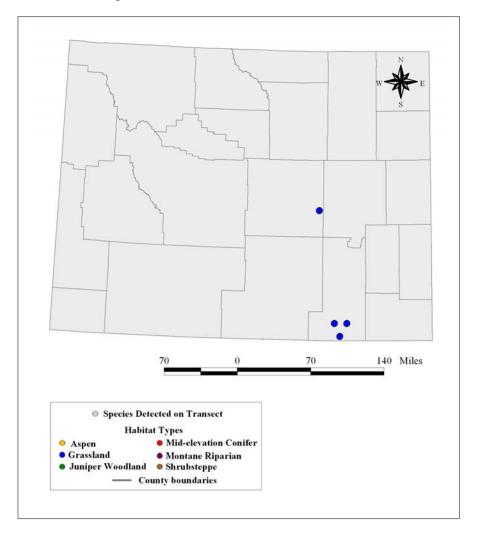
Distribution of **Wilson's Phalarope** detections on Statewide Monitoring transects during the 2002-2004 field seasons



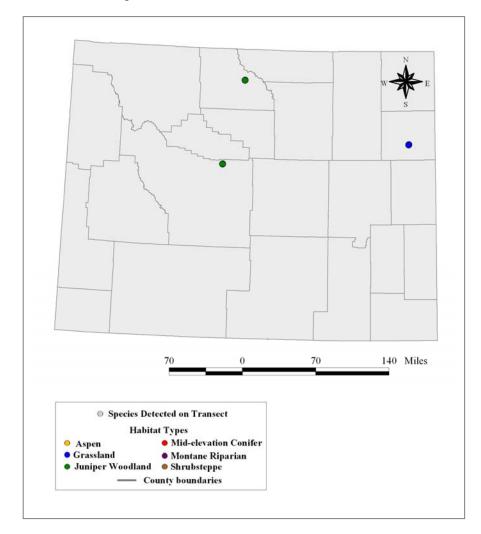
Distribution of **Ring-billed Gull** detections on Statewide Monitoring transects during the 2002-2004 field seasons



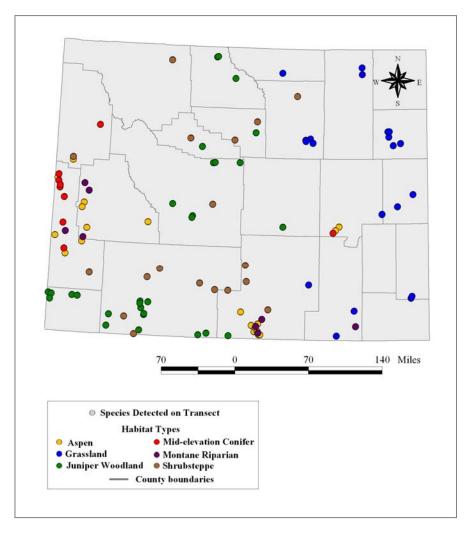
Distribution of **California Gull** detections on Statewide Monitoring transects during the 2002-2004 field seasons



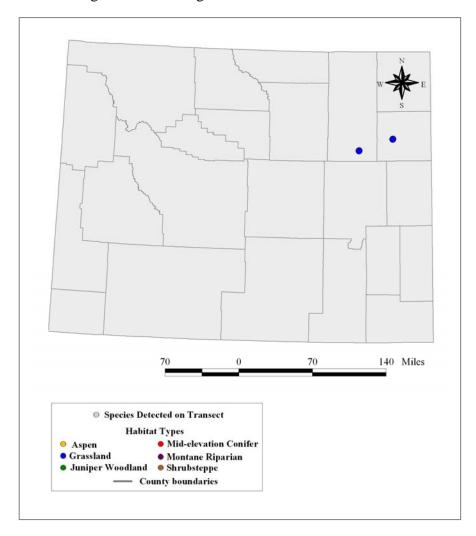
Distribution of **Rock Pigeon** detections on Statewide Monitoring transects during the 2002-2004 field seasons



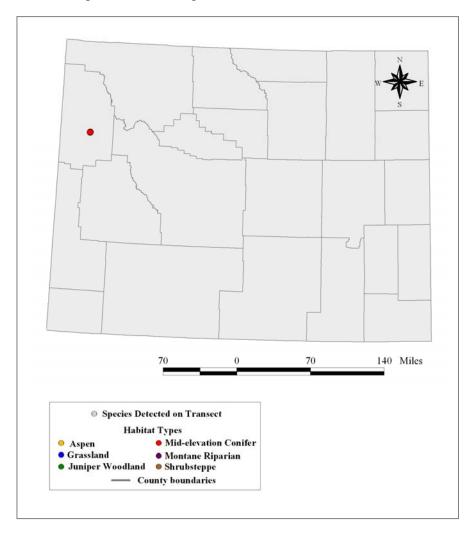
Distribution of **Mourning Dove** detections on Statewide Monitoring transects during the 2002-2004 field seasons



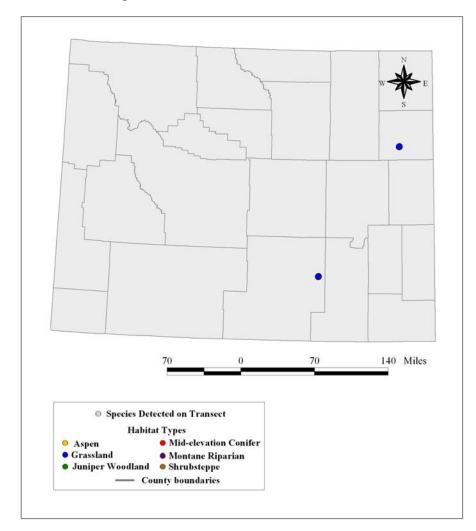
Distribution of **Great Horned Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons



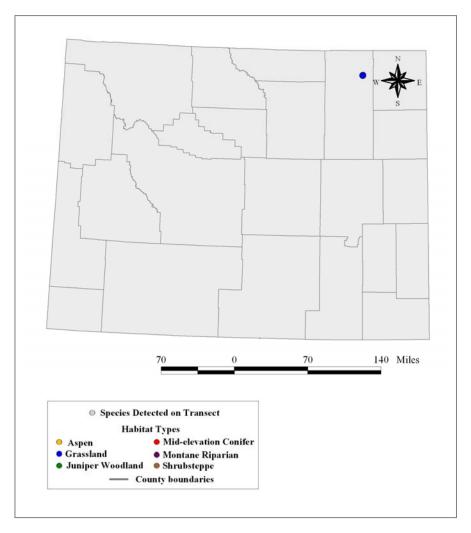
Distribution of **Northern Pygmy-Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons



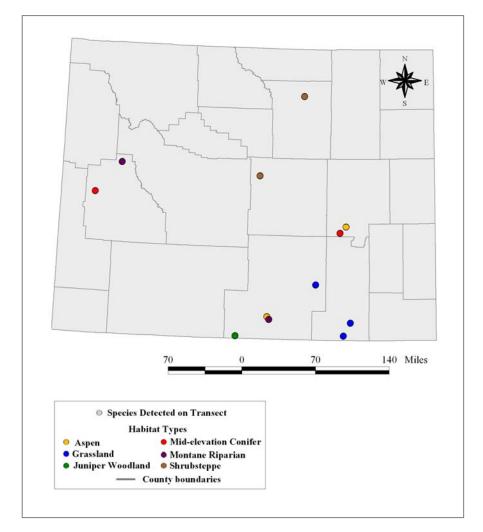
Distribution of **Burrowing Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons



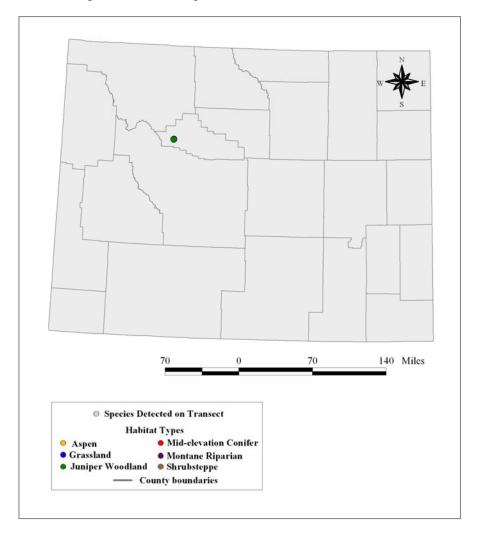
Distribution of **Short-eared Owl** detections on Statewide Monitoring transects during the 2002-2004 field seasons



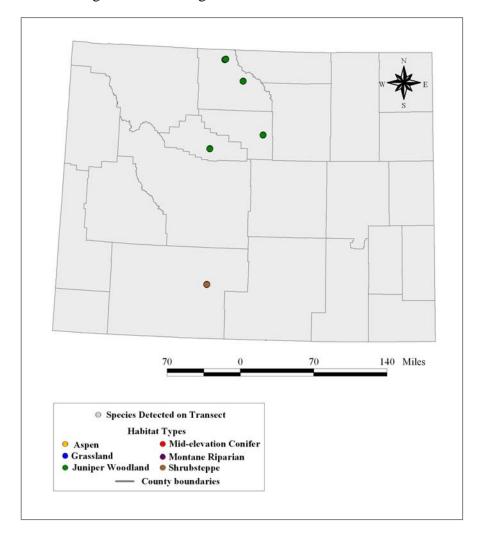
Distribution of **Common Nighthawk** detections on Statewide Monitoring transects during the 2002-2004 field seasons



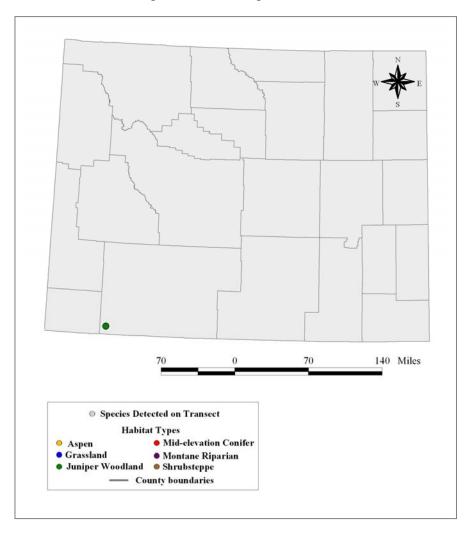
Distribution of **Common Poorwill** detections on Statewide Monitoring transects during the 2002-2004 field seasons



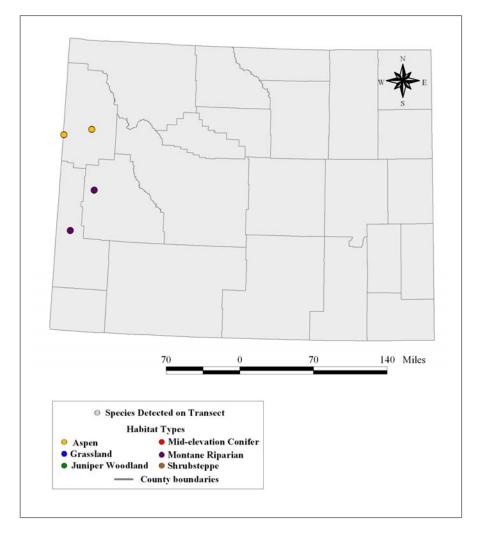
Distribution of **White-throated Swift** detections on Statewide Monitoring transects during the 2002-2004 field seasons



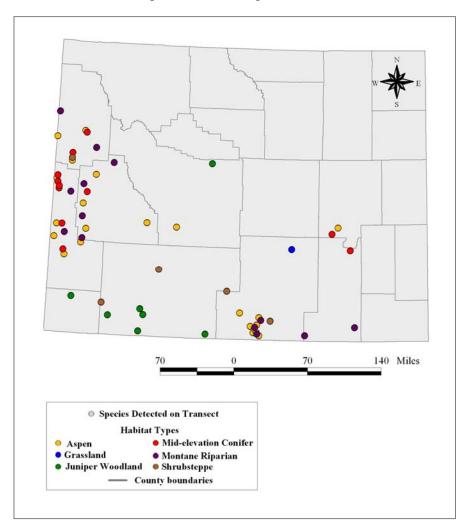
Distribution of **Black-chinned Hummingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



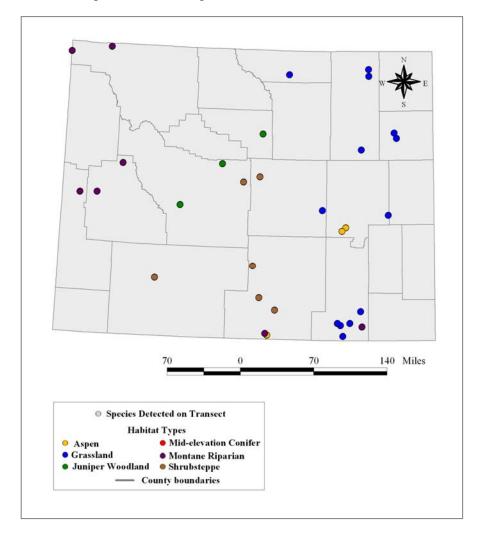
Distribution of **Calliope Hummingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



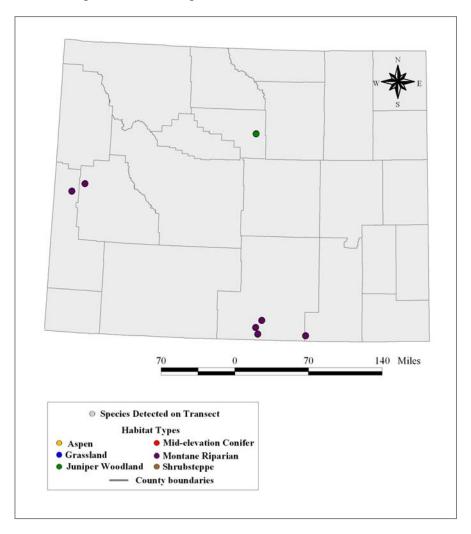
Distribution of **Broad-tailed Hummingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



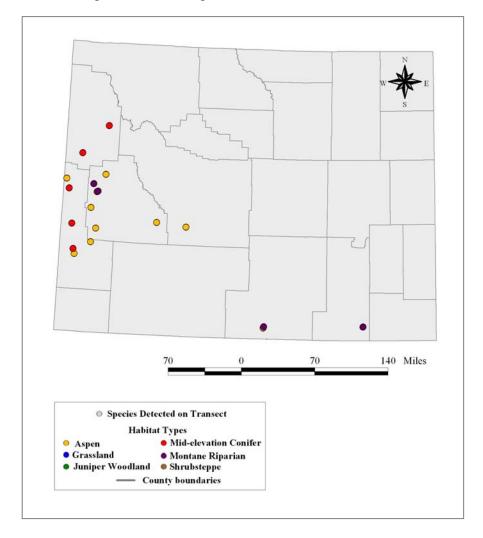
Distribution of **Rufous Hummingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



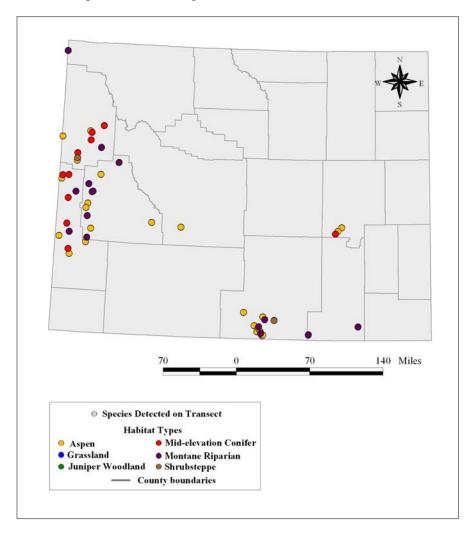
Distribution of **Belted Kingfisher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



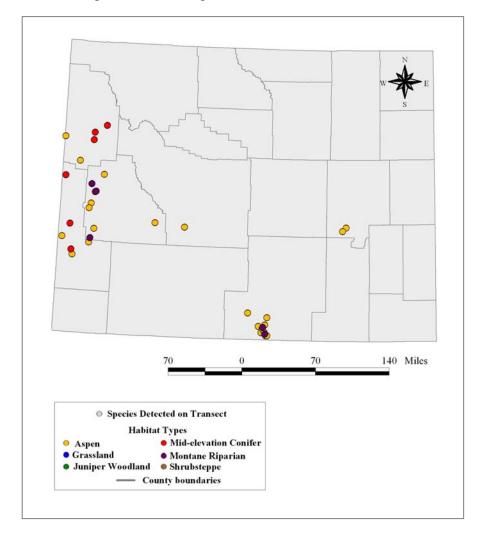
Distribution of **Williamson's Sapsucker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



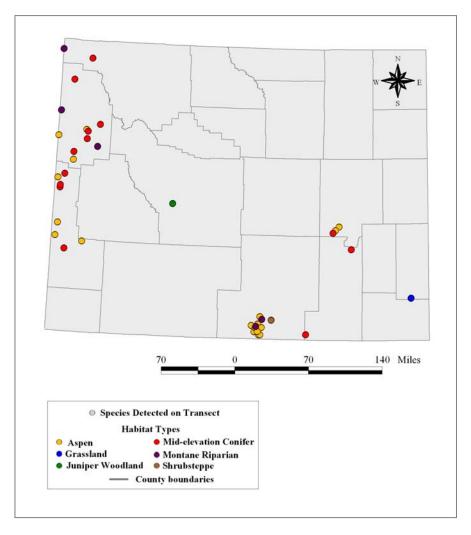
Distribution of **Red-naped Sapsucker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



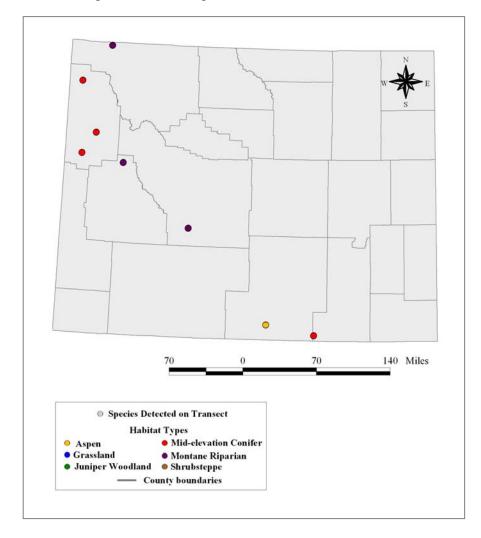
Distribution of **Downy Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



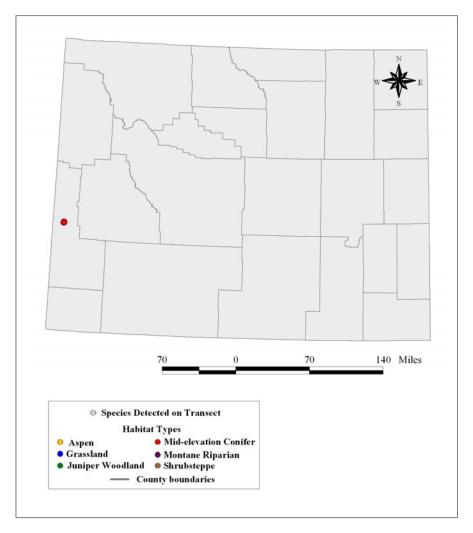
Distribution of **Hairy Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



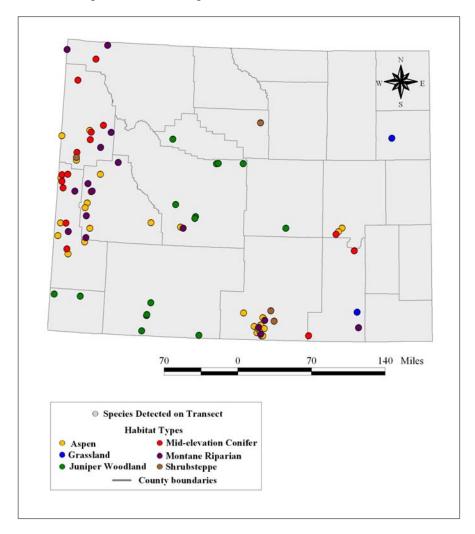
Distribution of **Three-toed Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



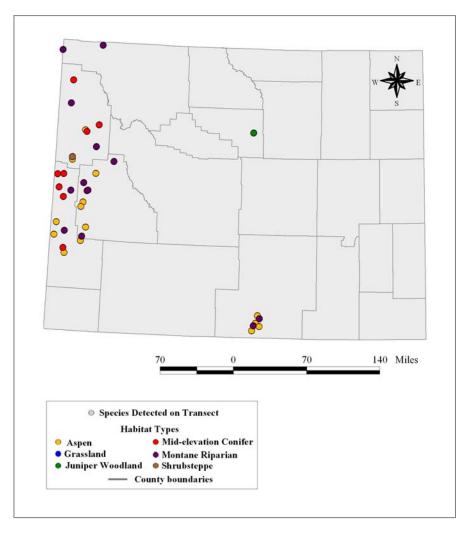
Distribution of **Black-backed Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



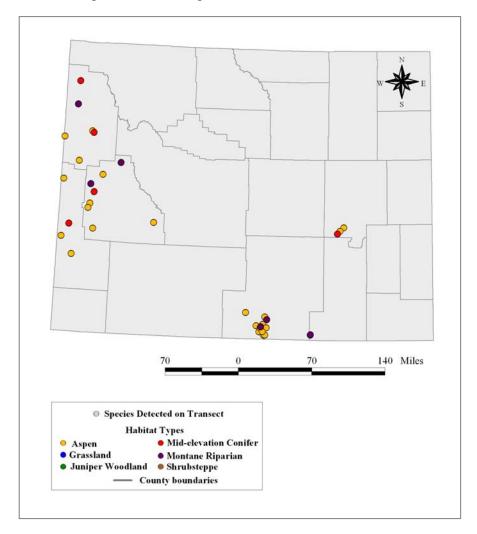
Distribution of **Northern Flicker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



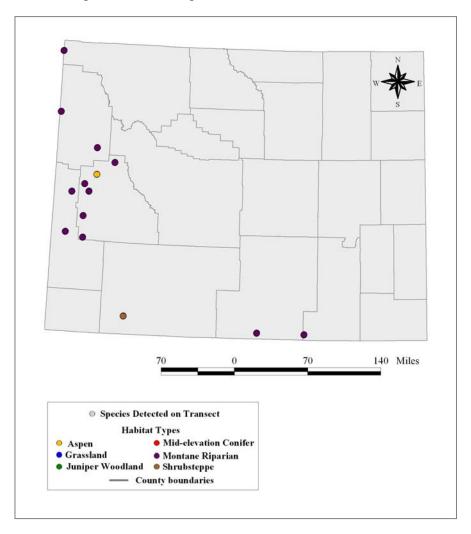
Distribution of **Olive-sided Woodpecker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



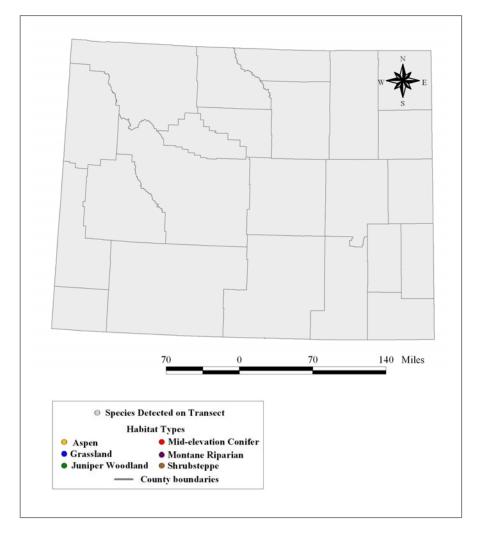
Distribution of **Western Wood-Pewee** detections on Statewide Monitoring transects during the 2002-2004 field seasons



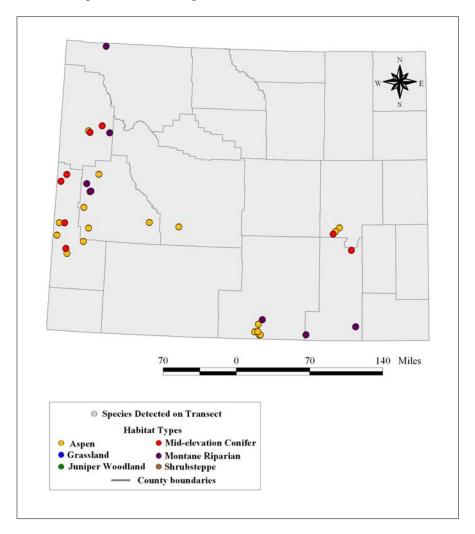
Distribution of **Willow Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



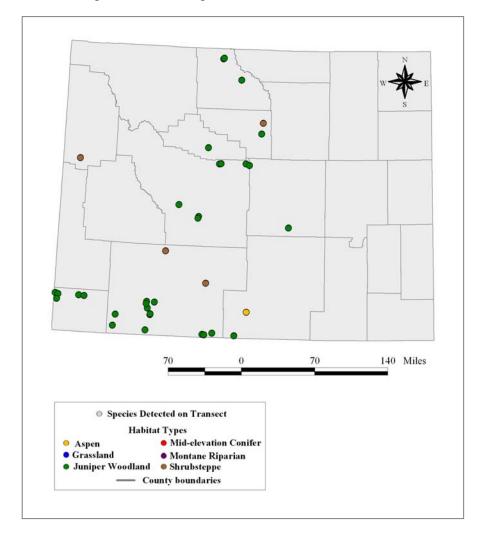
Distribution of **Least Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



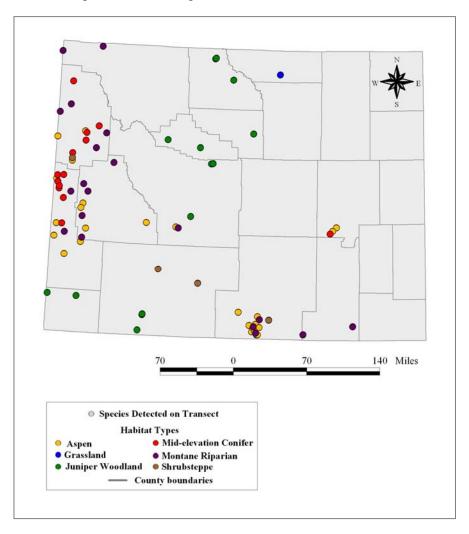
Distribution of **Hammond's Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



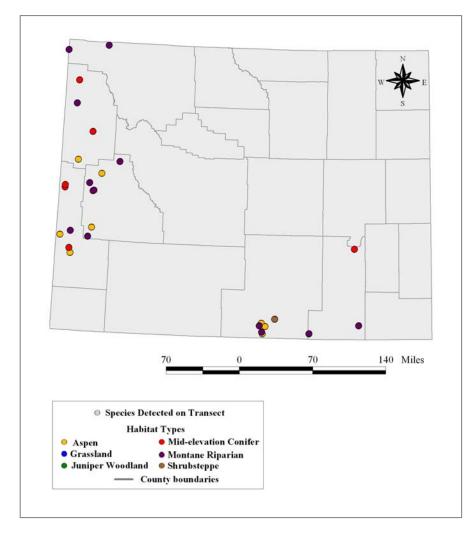
Distribution of **Gray Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



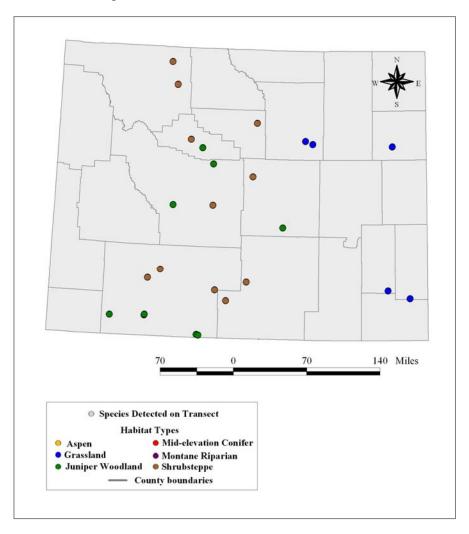
Distribution of **Dusky Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



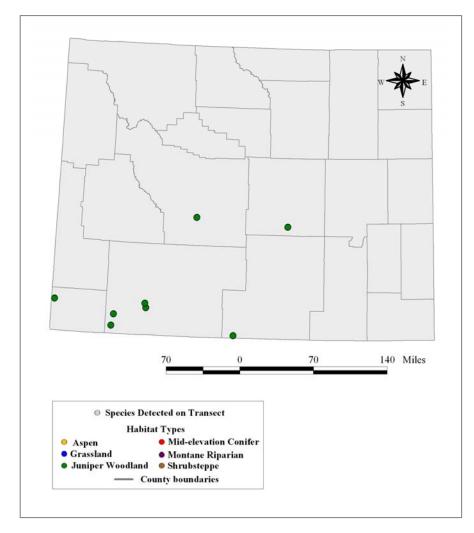
Distribution of **Cordilleran Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



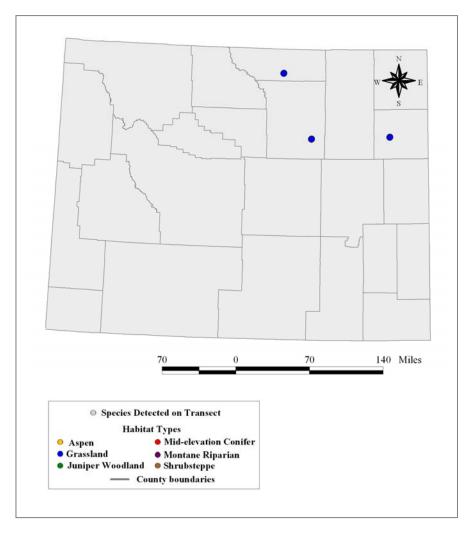
Distribution of **Say's Phoebe** detections on Statewide Monitoring transects during the 2002-2004 field seasons



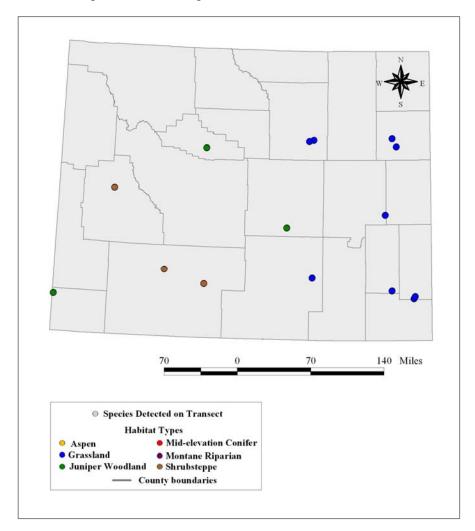
Distribution of **Ash-throated Flycatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



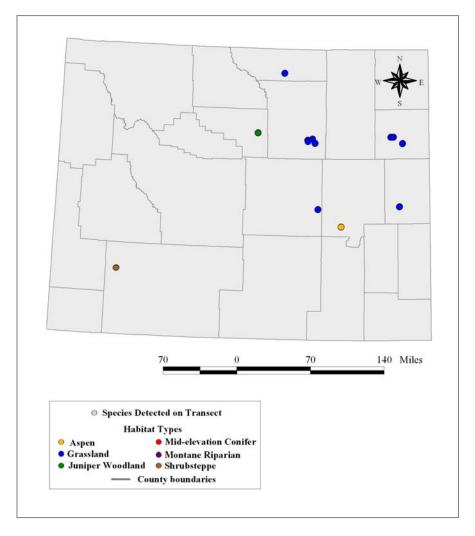
Distribution of **Cassin's Kingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



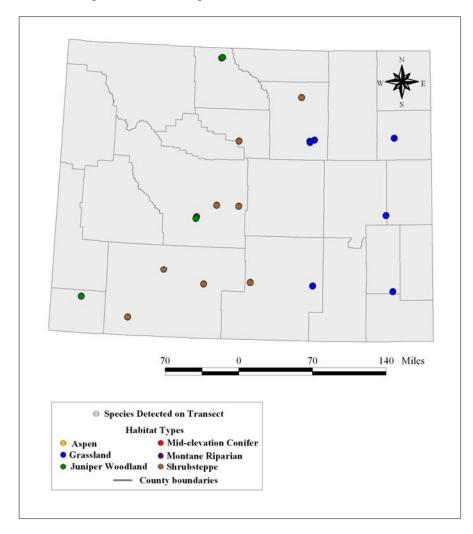
Distribution of **Western Kingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



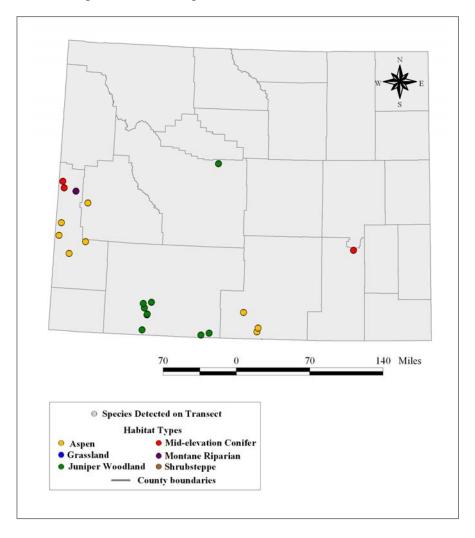
Distribution of **Eastern Kingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



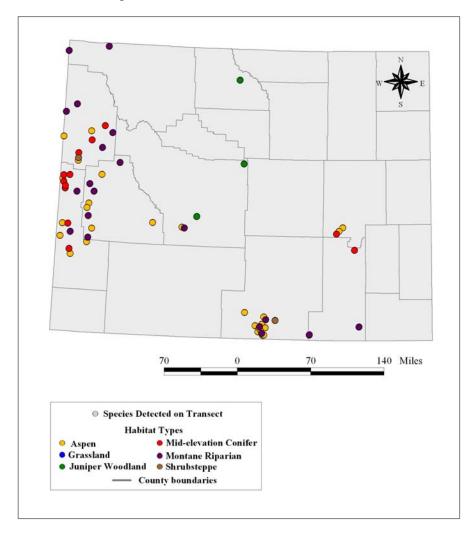
Distribution of **Loggerhead Shrike** detections on Statewide Monitoring transects during the 2002-2004 field seasons



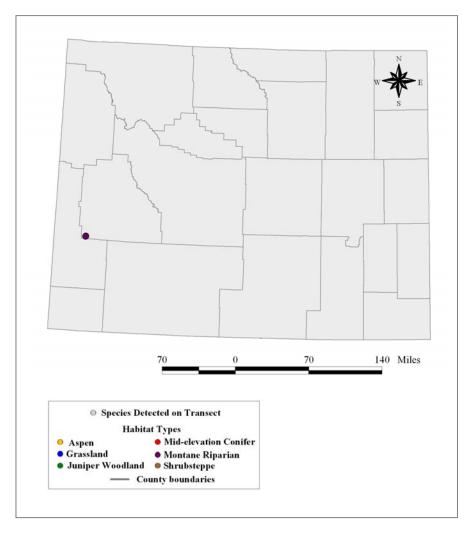
Distribution of **Plumbeous Vireo** detections on Statewide Monitoring transects during the 2002-2004 field seasons



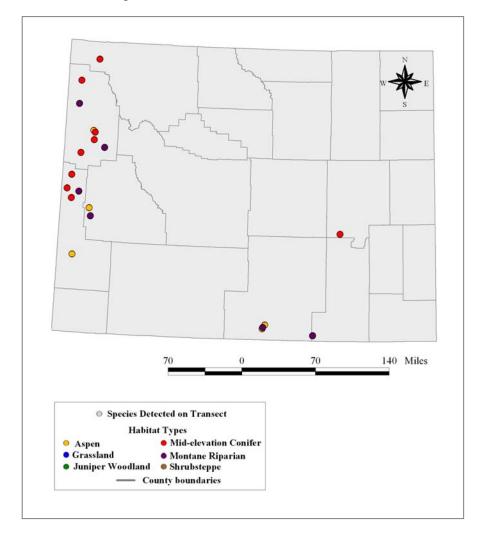
Distribution of **Warbling Vireo** detections on Statewide Monitoring transects during the 2002-2004 field seasons



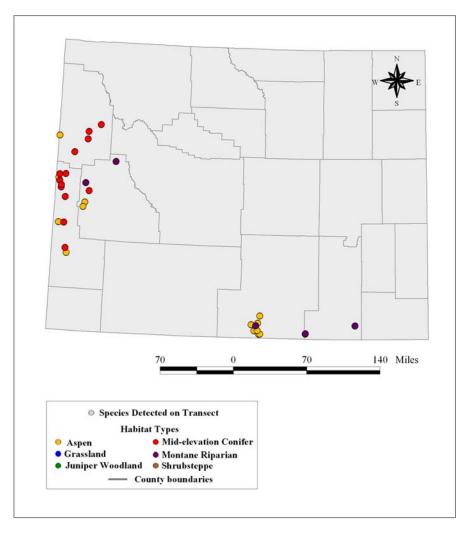
Distribution of **Red-eyed Vireo** detections on Statewide Monitoring transects during the 2002-2004 field seasons



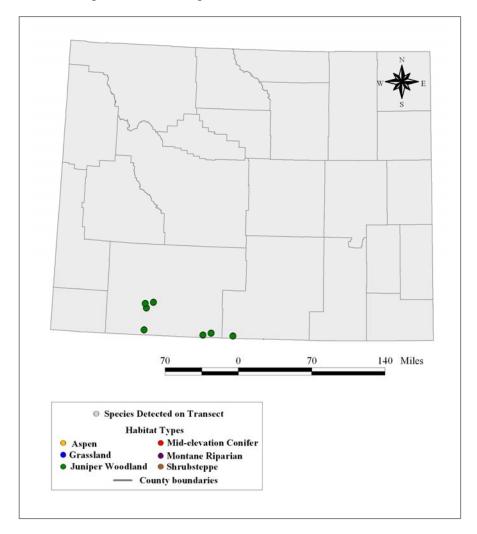
Distribution of **Gray Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons



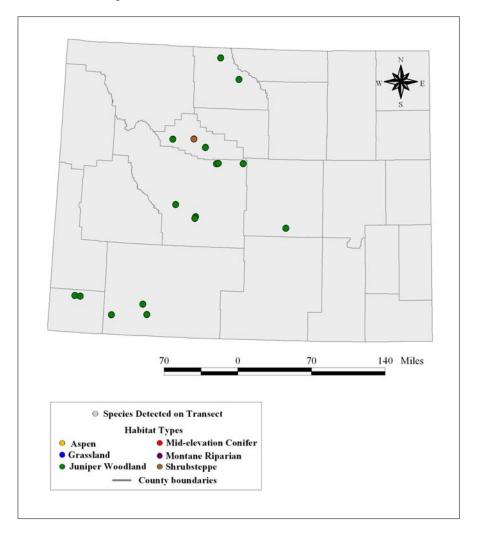
Distribution of **Steller's Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons



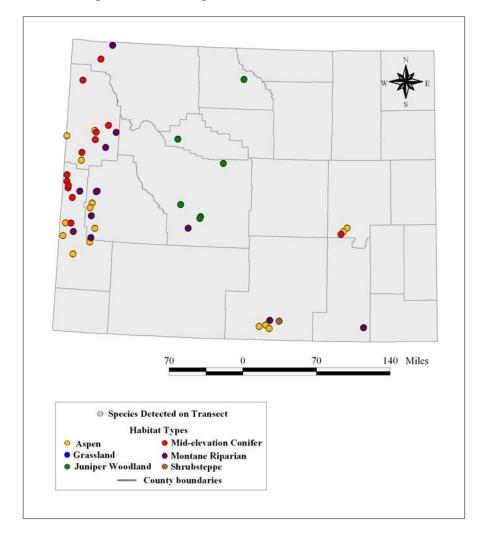
Distribution of **Western Scrub-Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons



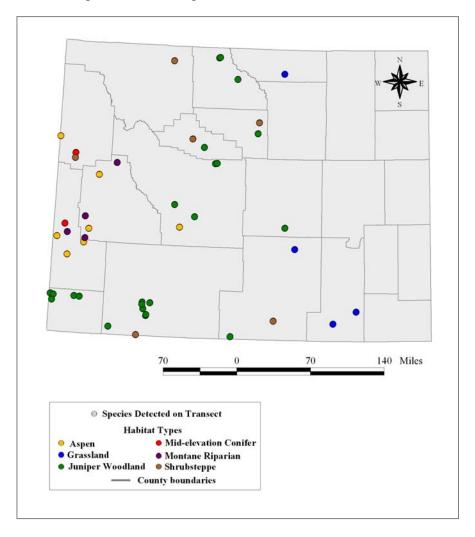
Distribution of **Pinyon Jay** detections on Statewide Monitoring transects during the 2002-2004 field seasons



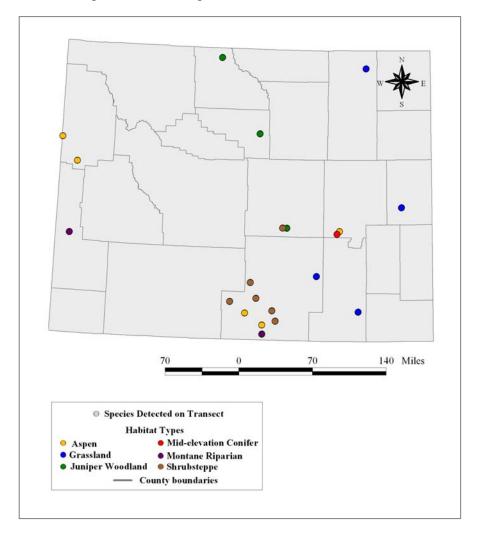
Distribution of **Clark's Nutcracker** detections on Statewide Monitoring transects during the 2002-2004 field seasons



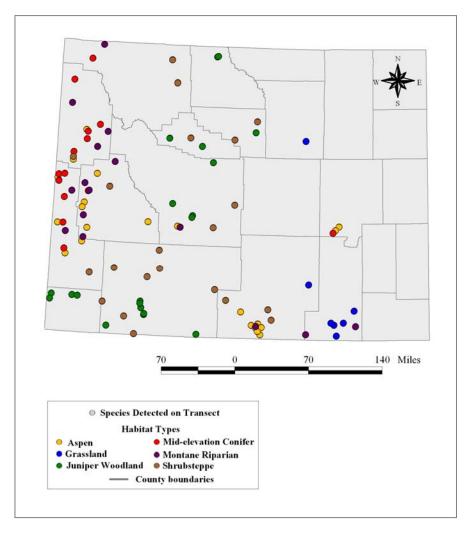
Distribution of **Black-billed Magpie** detections on Statewide Monitoring transects during the 2002-2004 field seasons



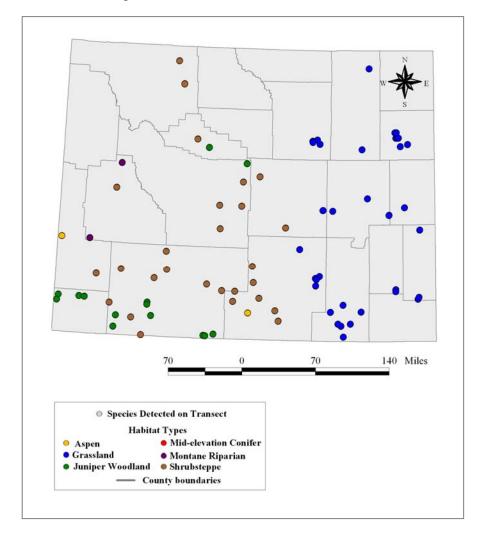
Distribution of **American Crow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



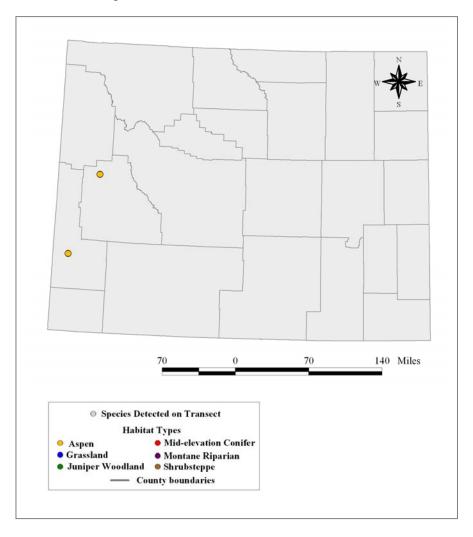
Distribution of **Common Raven** detections on Statewide Monitoring transects during the 2002-2004 field seasons



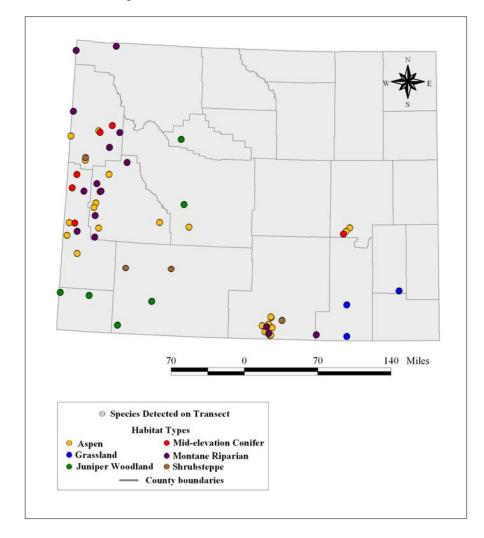
Distribution of **Horned Lark** detections on Statewide Monitoring transects during the 2002-2004 field seasons



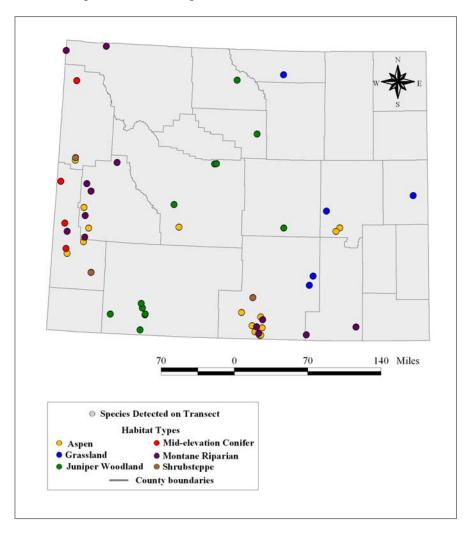
Distribution of **Purple Martin** detections on Statewide Monitoring transects during the 2002-2004 field seasons



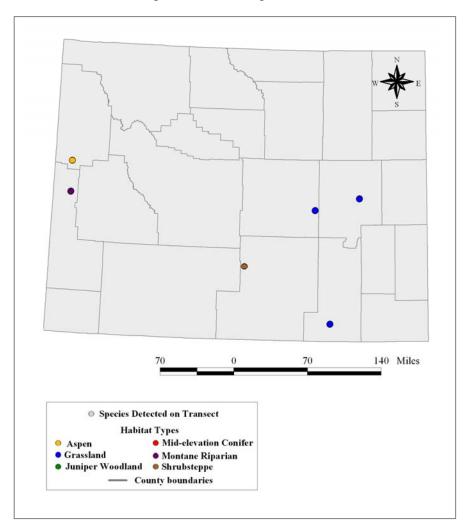
Distribution of **Tree Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



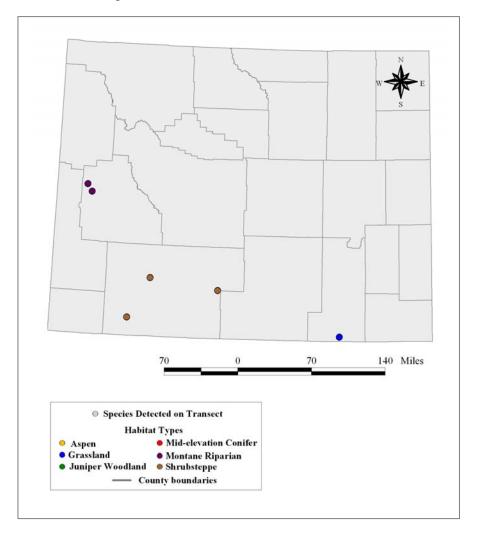
Distribution of **Violet-green Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



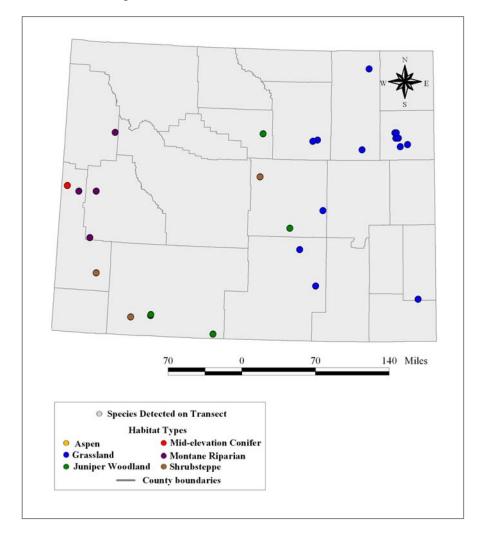
Distribution of **Northern Rough-winged Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



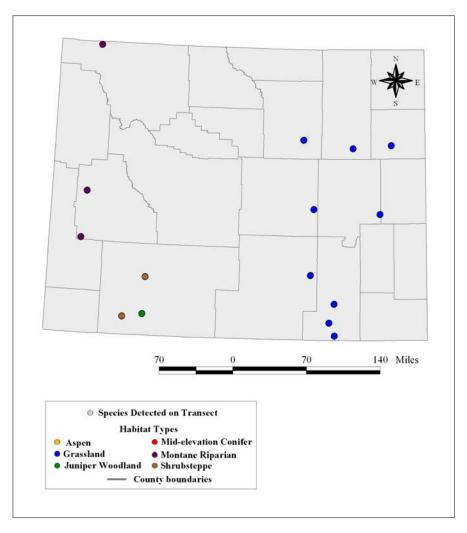
Distribution of **Bank Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



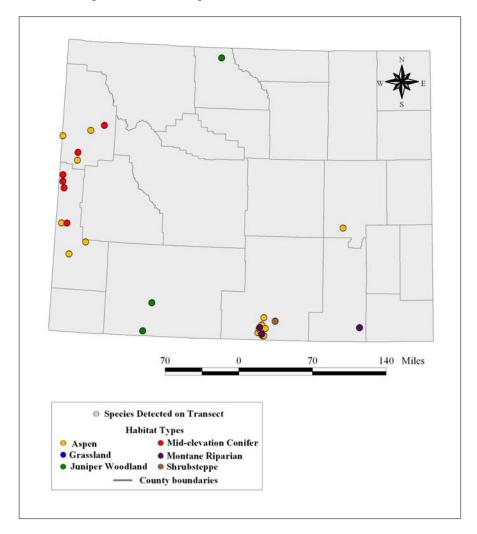
Distribution of **Cliff Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



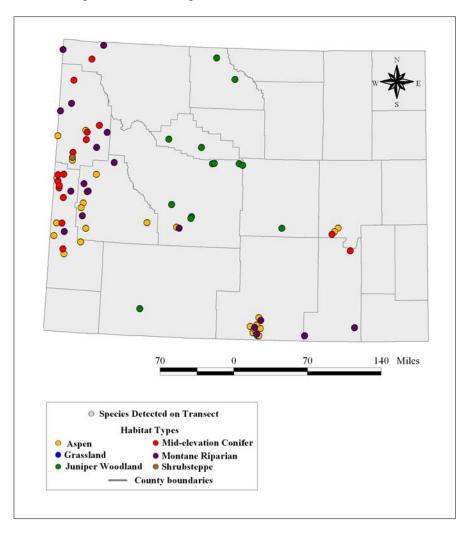
Distribution of **Barn Swallow** detections on Statewide Monitoring transects during the 2002-2004 field seasons



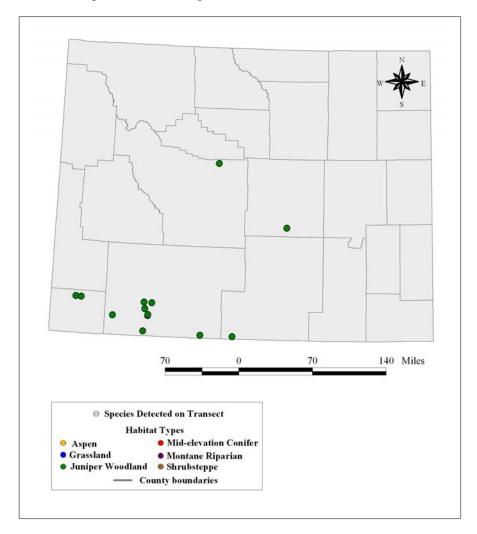
Distribution of **Black-capped Chickadee** detections on Statewide Monitoring transects during the 2002-2004 field seasons



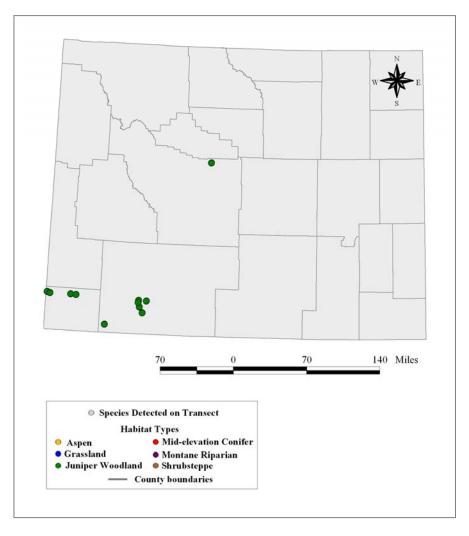
Distribution of **Mountain Chickadee** detections on Statewide Monitoring transects during the 2002-2004 field seasons



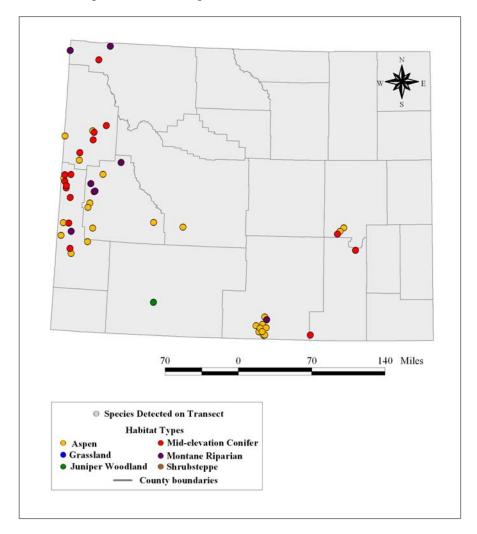
Distribution of **Juniper Titmouse** detections on Statewide Monitoring transects during the 2002-2004 field seasons



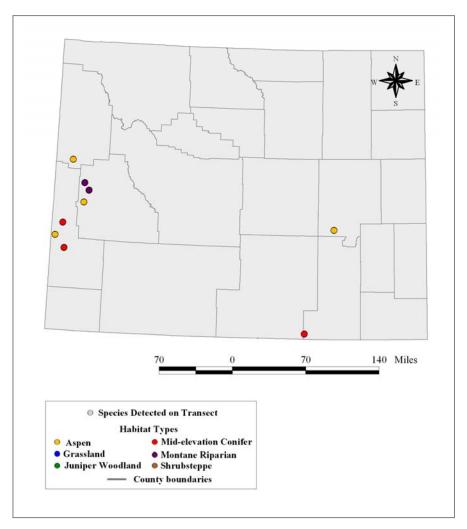
Distribution of **Bushtit** detections on Statewide Monitoring transects during the 2002-2004 field seasons



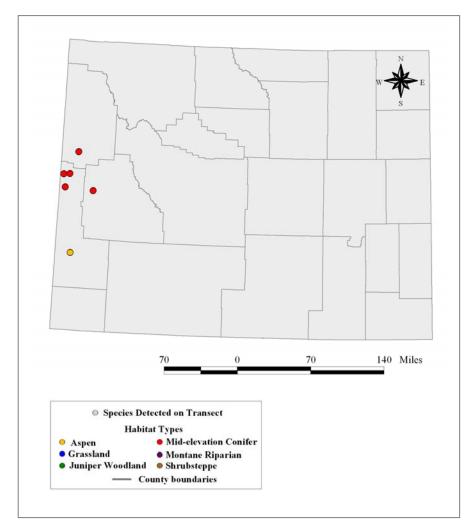
Distribution of **Red-breasted Nuthatch** detections on Statewide Monitoring transects during the 2002-2004 field seasons



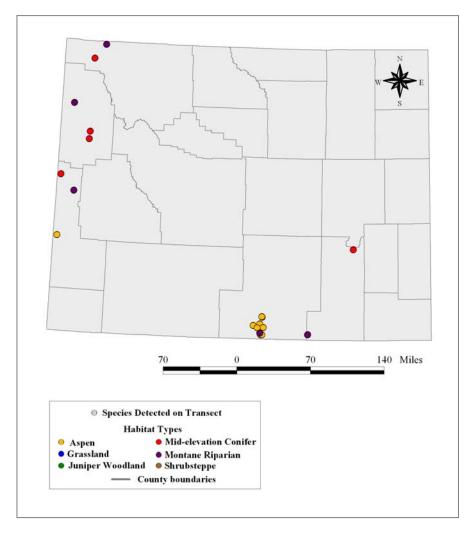
Distribution of **White-breasted Nuthatch** detections on Statewide Monitoring transects during the 2002-2004 field seasons



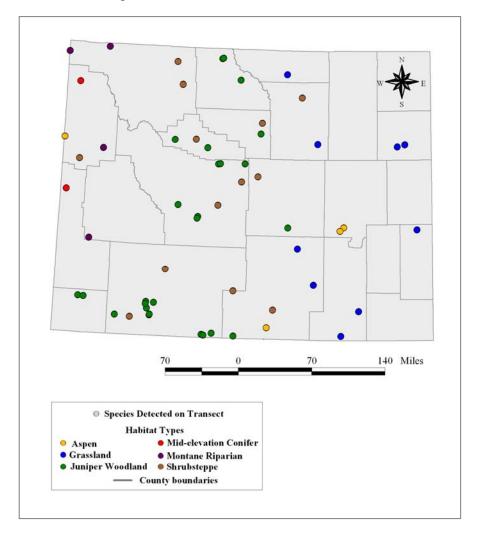
Distribution of **Pygmy Nuthatch** detections on Statewide Monitoring transects during the 2002-2004 field seasons



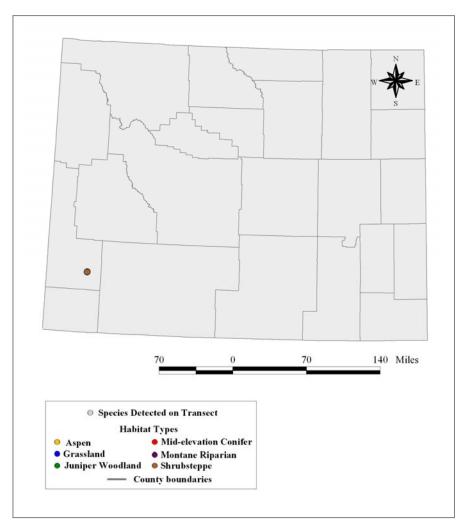
Distribution of **Brown Creeper** detections on Statewide Monitoring transects during the 2002-2004 field seasons



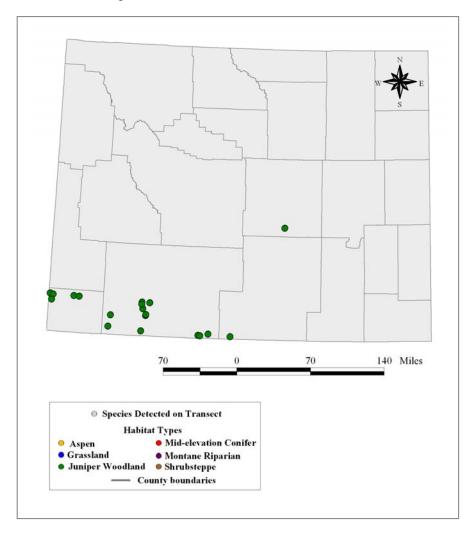
Distribution of **Rock Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons



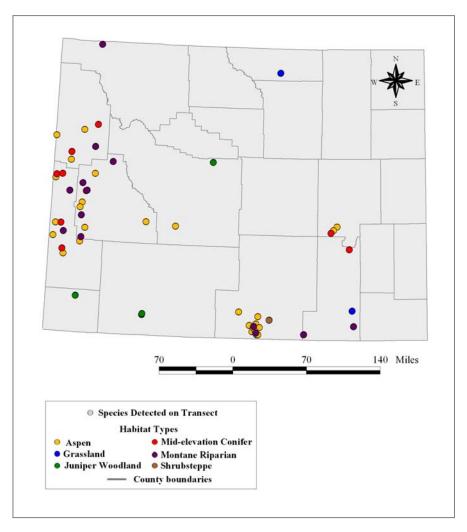
Distribution of **Canyon Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons



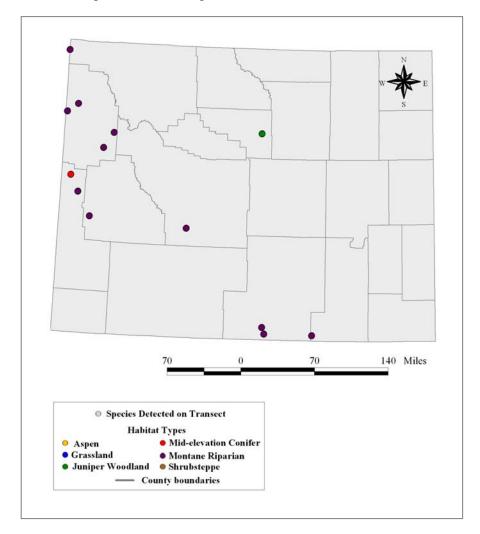
Distribution of **Bewick's Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons



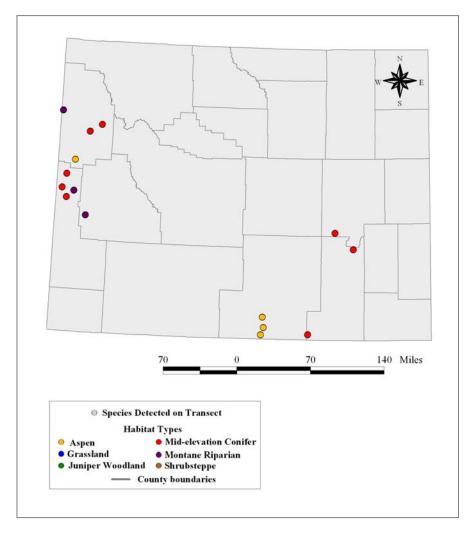
Distribution of **House Wren** detections on Statewide Monitoring transects during the 2002-2004 field seasons



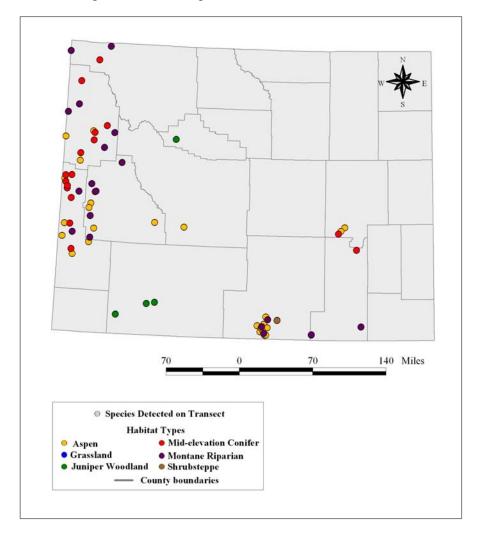
Distribution of **American Dipper** detections on Statewide Monitoring transects during the 2002-2004 field seasons



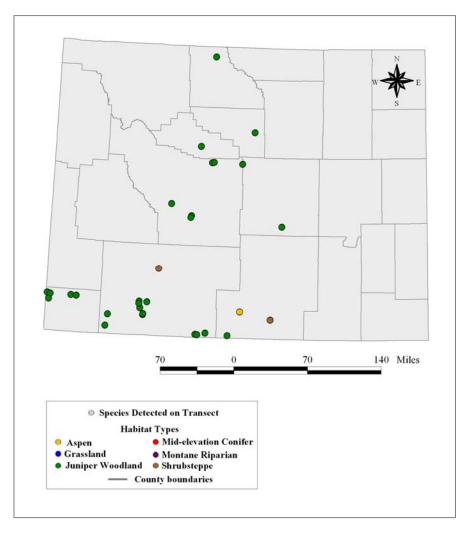
Distribution of **Golden-crowned Kinglet** detections on Statewide Monitoring transects during the 2002-2004 field seasons



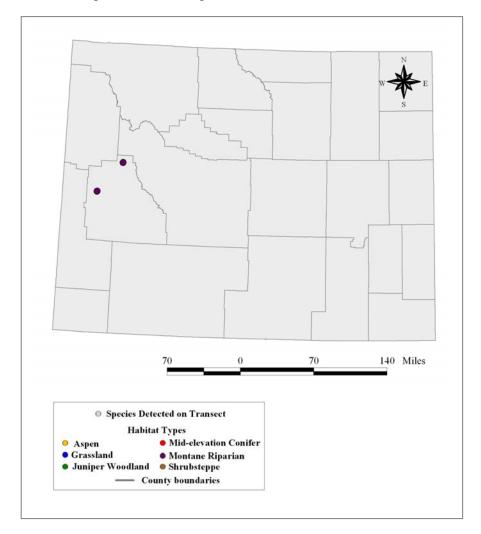
Distribution of **Ruby-crowned Kinglet** detections on Statewide Monitoring transects during the 2002-2004 field seasons



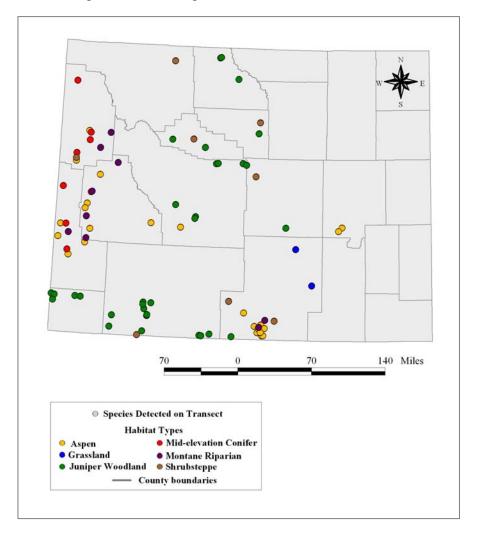
Distribution of **Blue-gray Gnatcatcher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



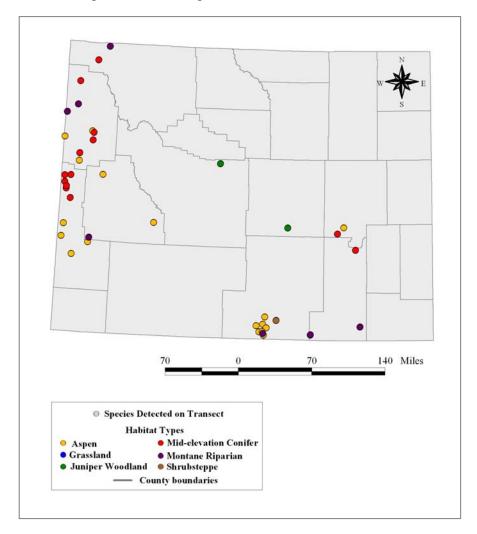
Distribution of **Western Bluebird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



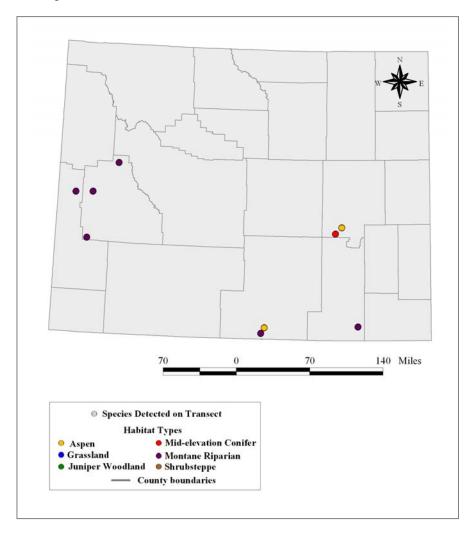
Distribution of **Mountain Bluebird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



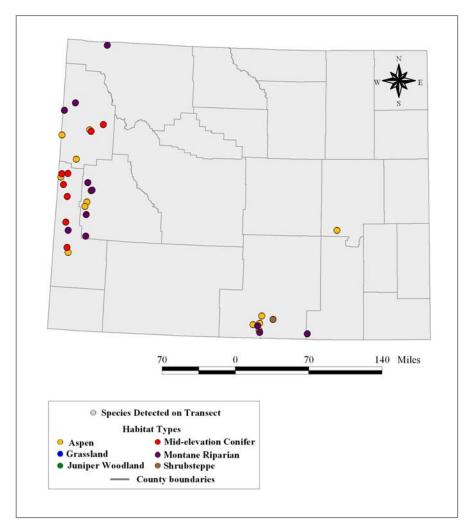
Distribution of **Townsend's Solitaire** detections on Statewide Monitoring transects during the 2002-2004 field seasons



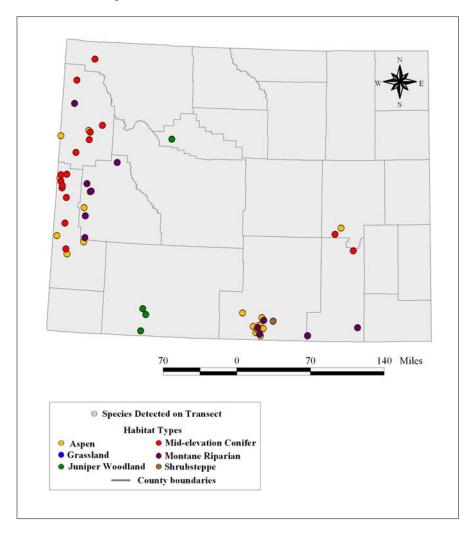
Distribution of **Veery** detections on Statewide Monitoring transects during the 2002-2004 field seasons



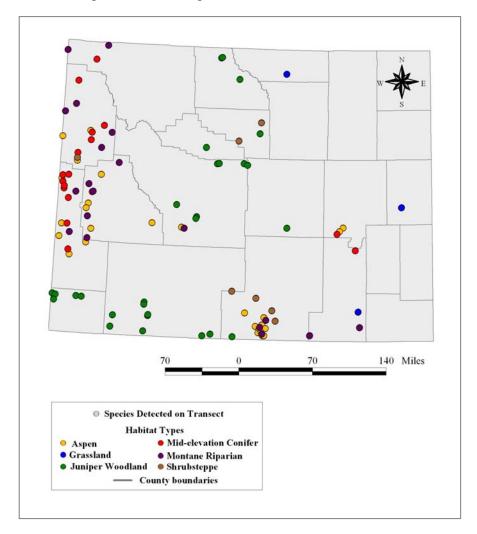
Distribution of **Swainson's Thrush** detections on Statewide Monitoring transects during the 2002-2004 field seasons



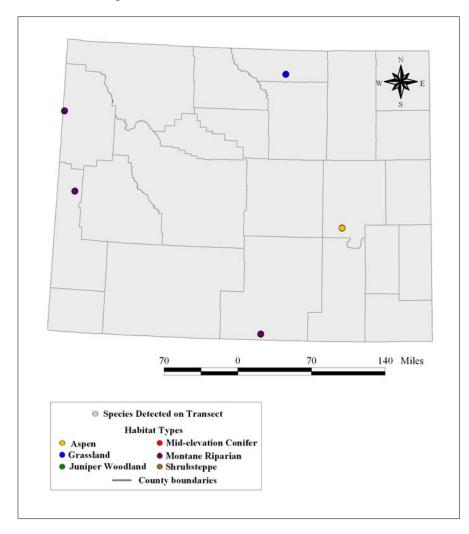
Distribution of **Hermit Thrush** detections on Statewide Monitoring transects during the 2002-2004 field seasons



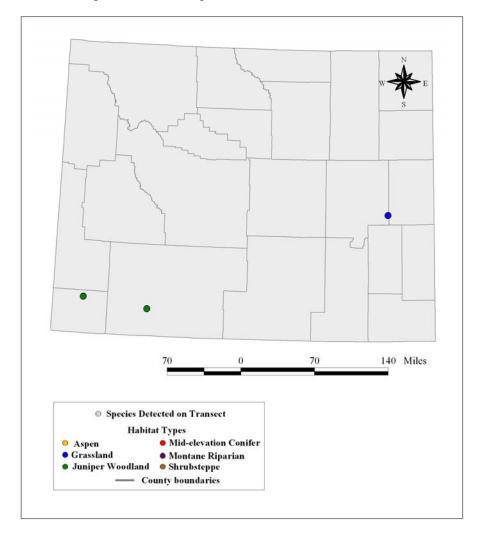
Distribution of **American Robin** detections on Statewide Monitoring transects during the 2002-2004 field seasons



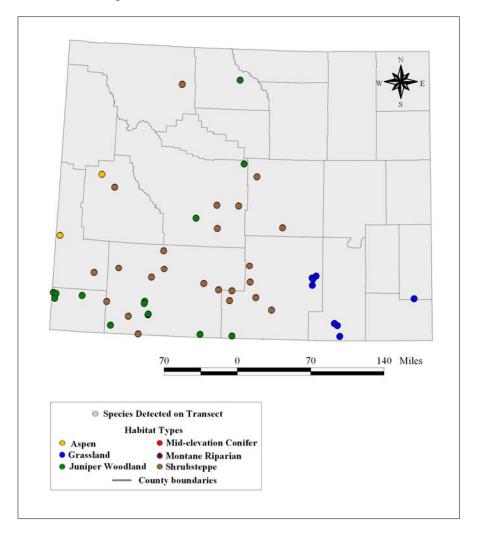
Distribution of **Gray Catbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



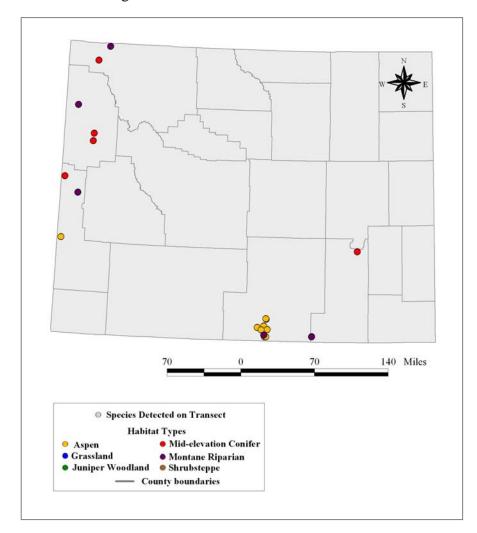
Distribution of **Northern Mockingbird** detections on Statewide Monitoring transects during the 2002-2004 field seasons



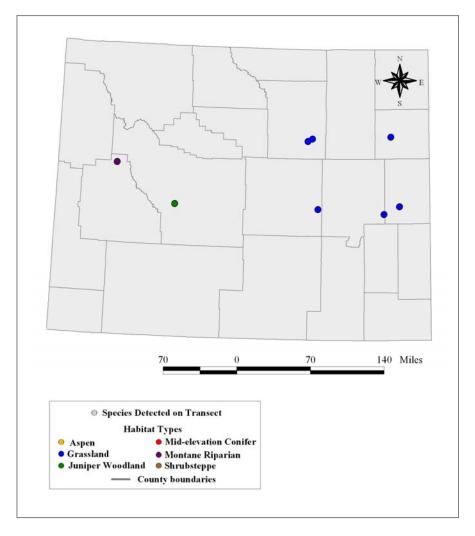
Distribution of **Sage Thrasher** detections on Statewide Monitoring transects during the 2002-2004 field seasons



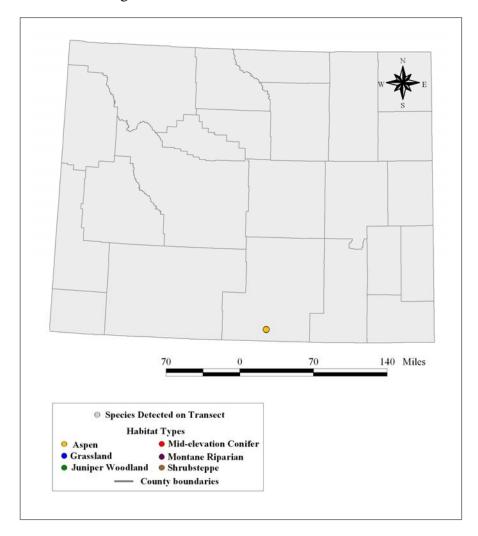
Distribution of **Brown Creeper** detections on Statewide Monitoring transects during the 2002-2004 field seasons



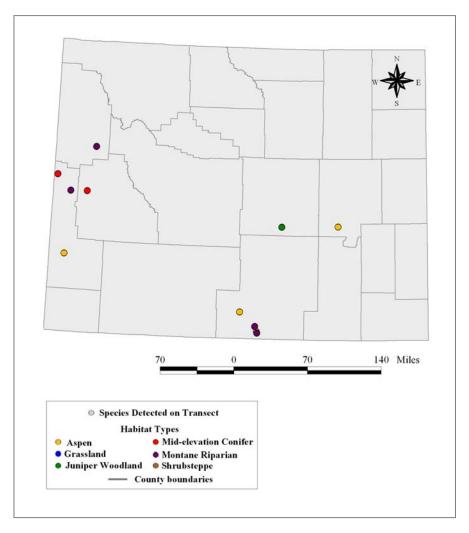
Distribution of **European Starling** detections on Statewide Monitoring transects during the 2002-2004 field seasons



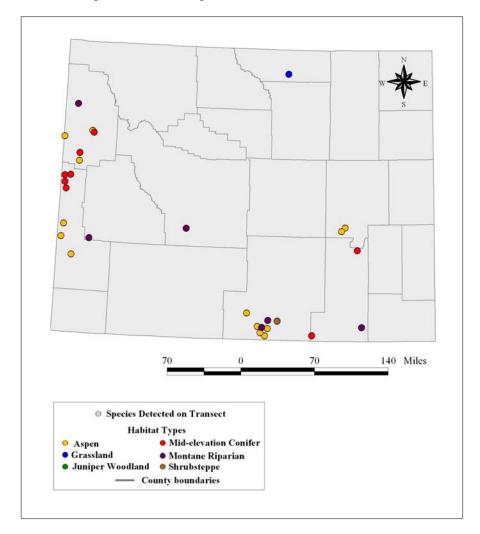
Distribution of **American Pipit** detections on Statewide Monitoring transects during the 2002-2004 field seasons



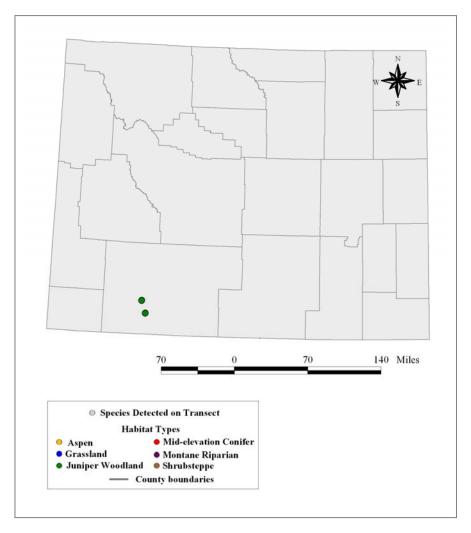
Distribution of **Cedar Waxwing** detections on Statewide Monitoring transects during the 2002-2004 field seasons



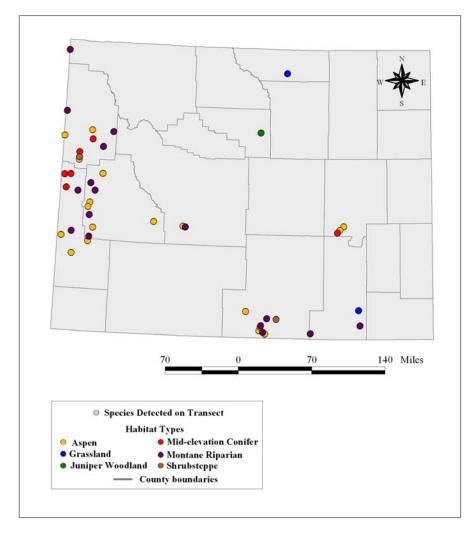
Distribution of **Orange-crowned Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



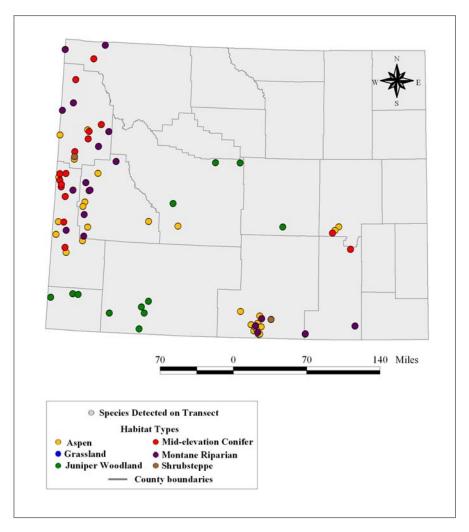
Distribution of **Virginia's Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



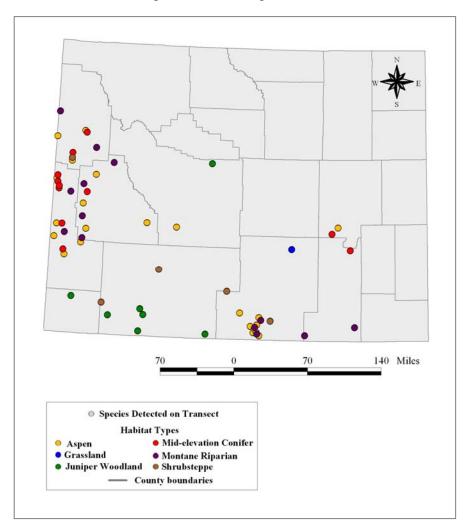
Distribution of **Yellow Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



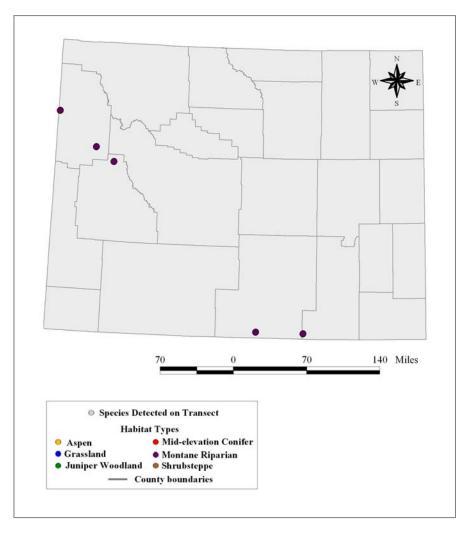
Distribution of **Yellow-rumped Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



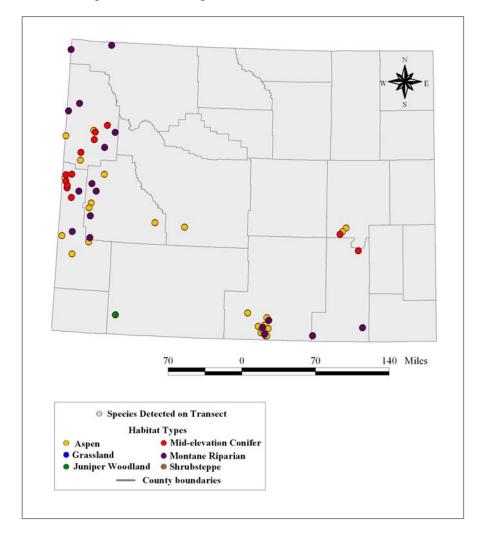
Distribution of **Black-throated Gray Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



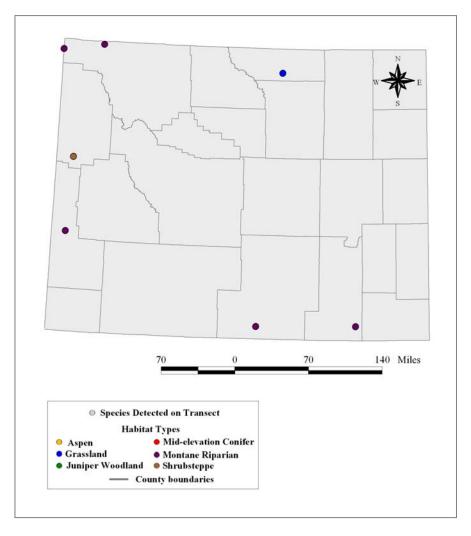
Distribution of **Northern Waterthrush** detections on Statewide Monitoring transects during the 2002-2004 field seasons



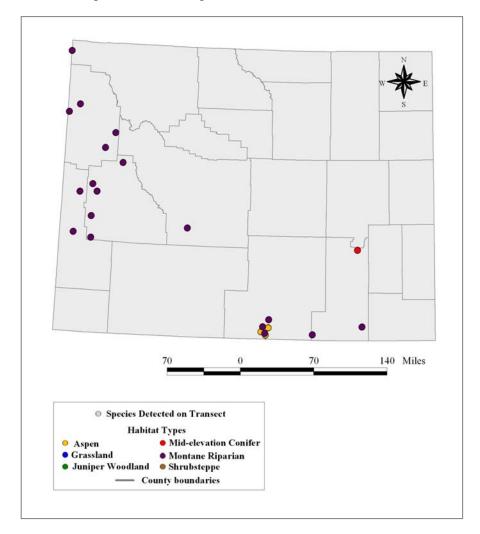
Distribution of **MacGillivray's Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



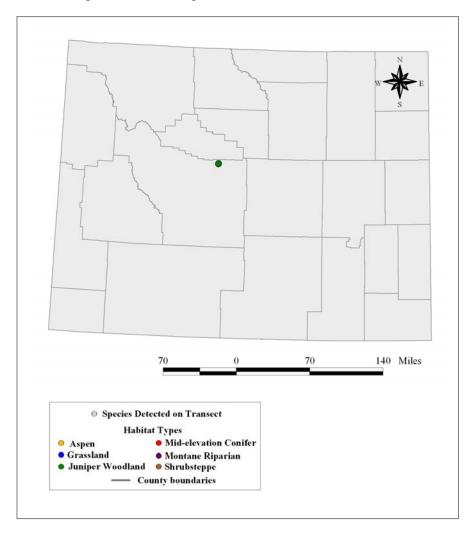
Distribution of **Common Yellowthroat** detections on Statewide Monitoring transects during the 2002-2004 field seasons



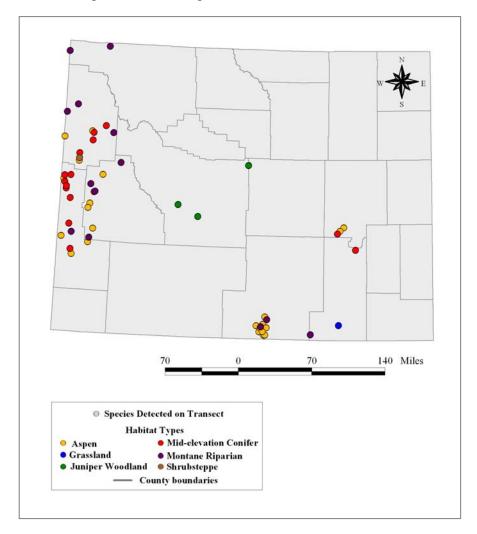
Distribution of **Wilson's Warbler** detections on Statewide Monitoring transects during the 2002-2004 field seasons



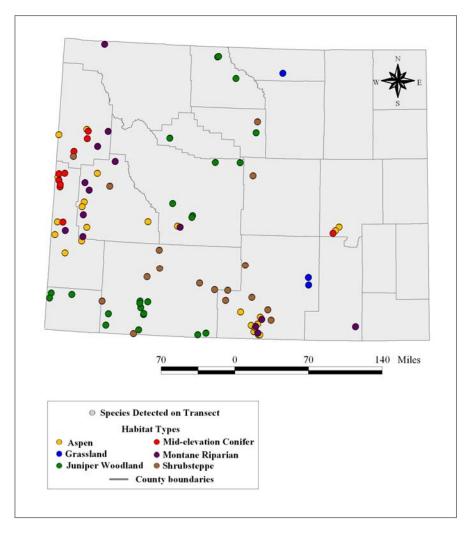
Distribution of **Yellow-breasted Chat** detections on Statewide Monitoring transects during the 2002-2004 field seasons



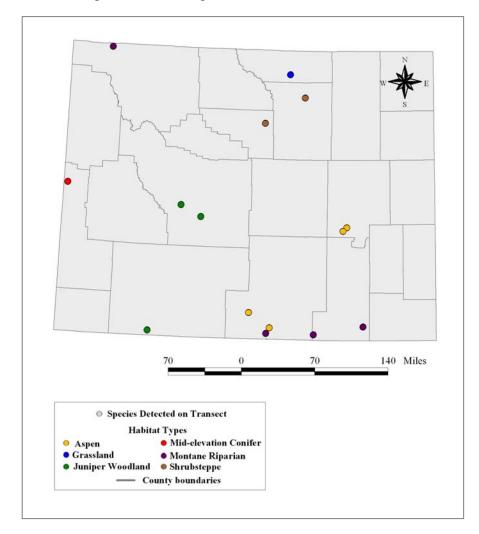
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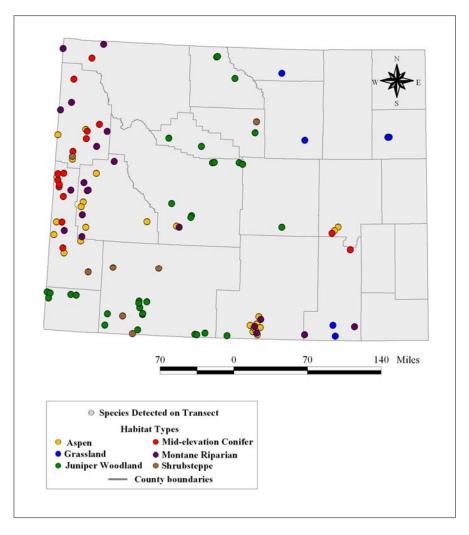
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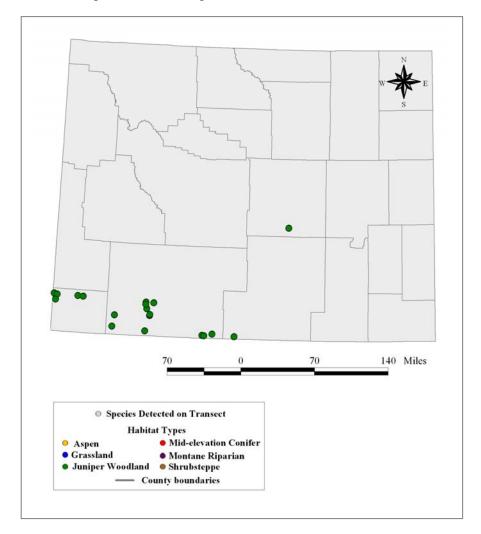
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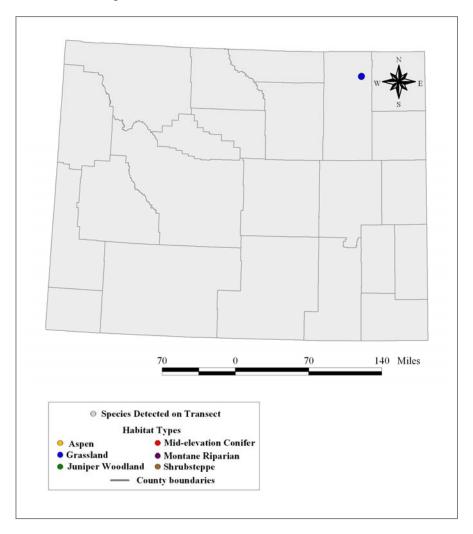
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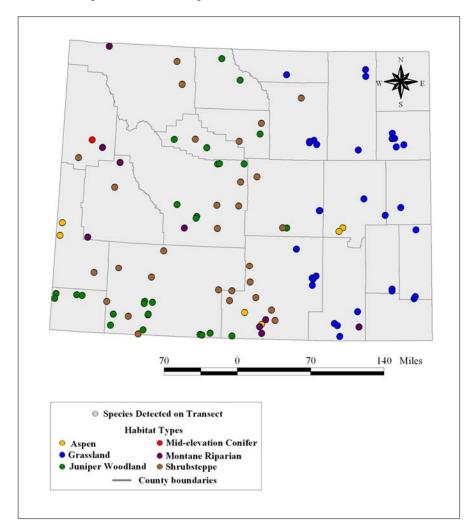
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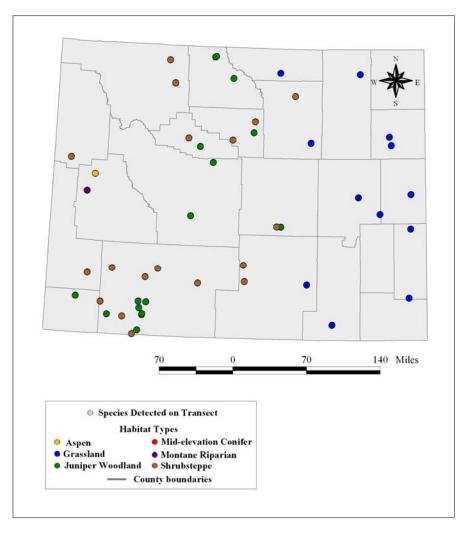
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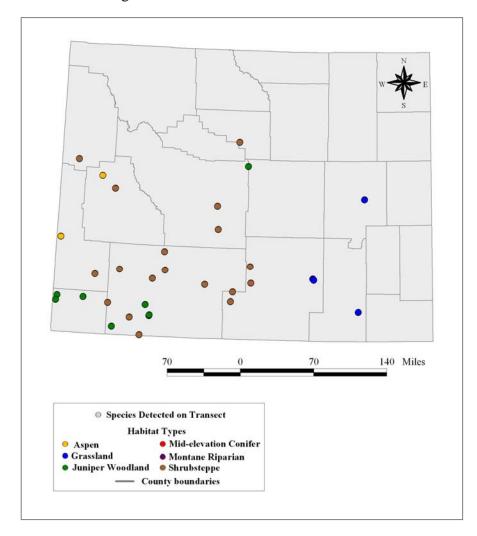
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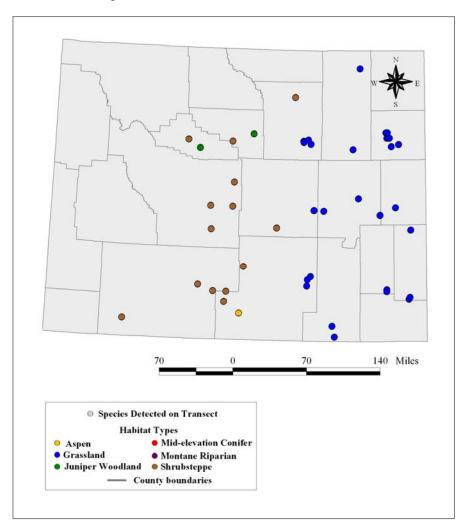
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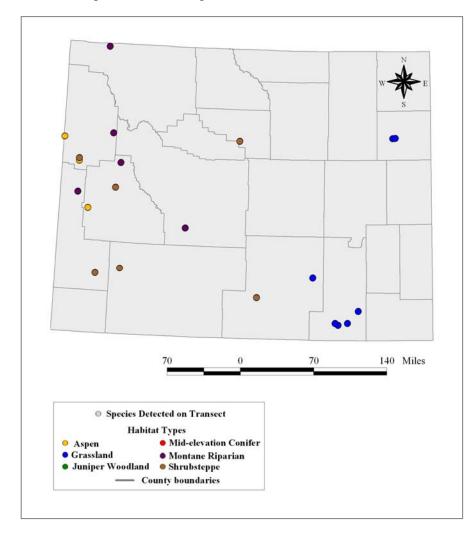
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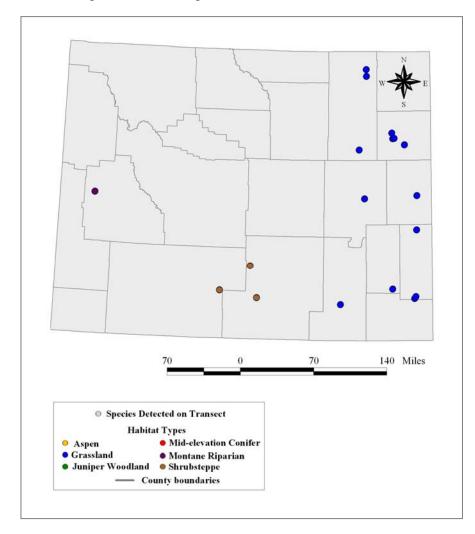
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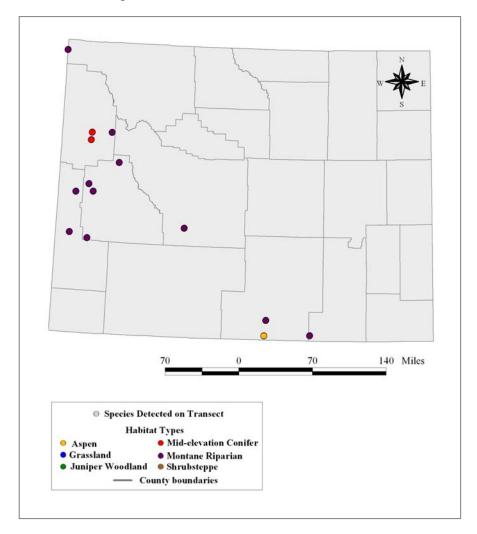
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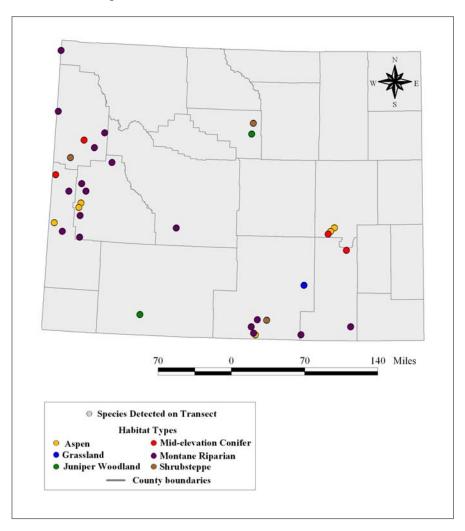
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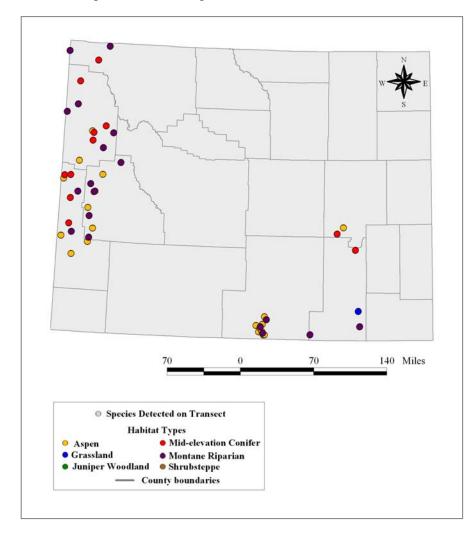
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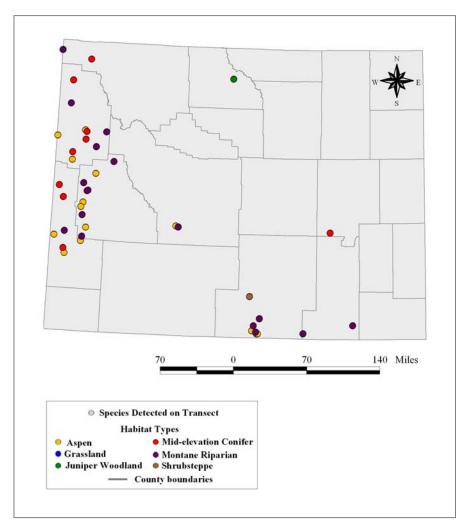
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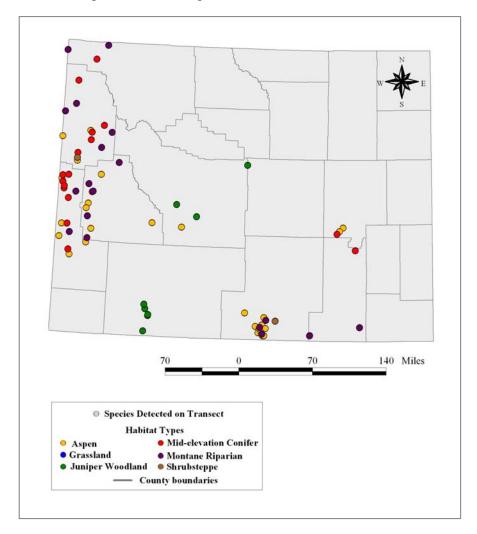
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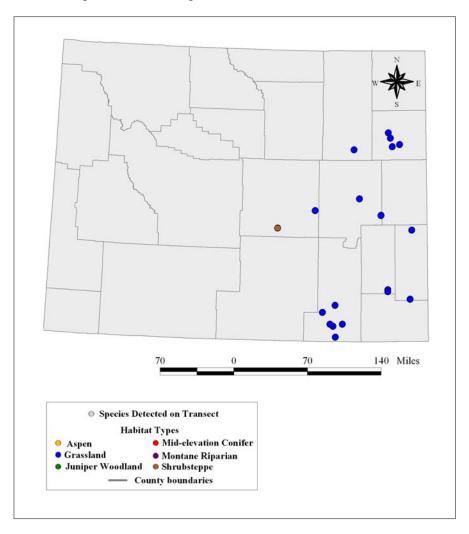
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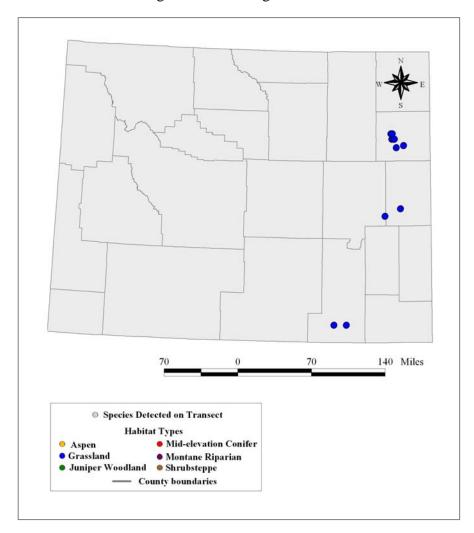
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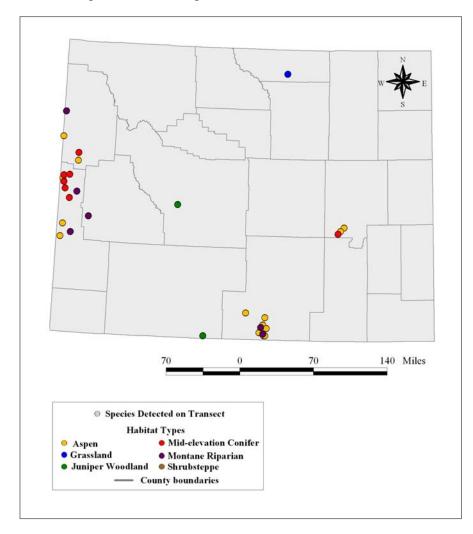
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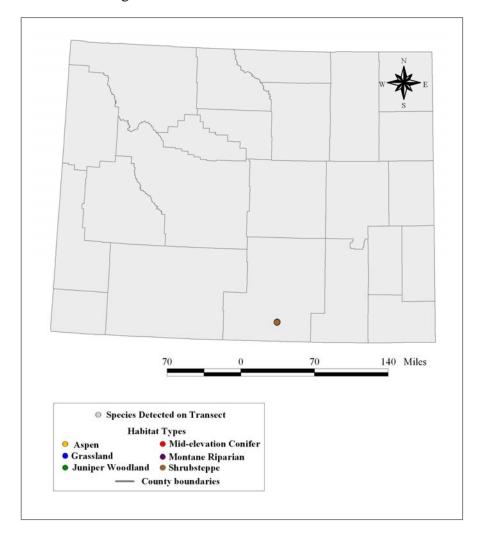
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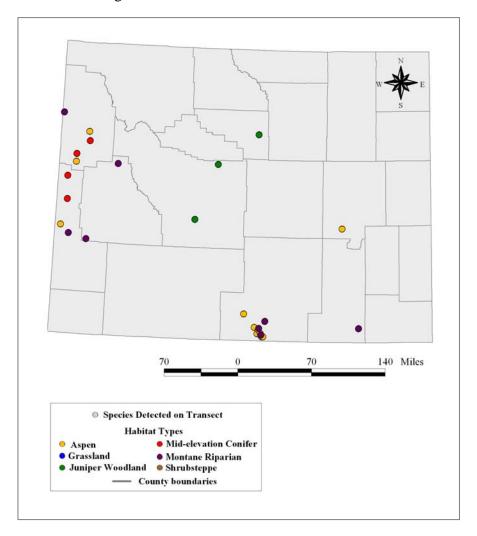
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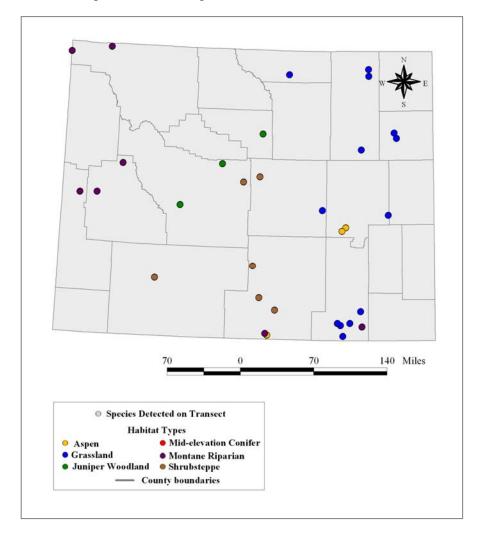
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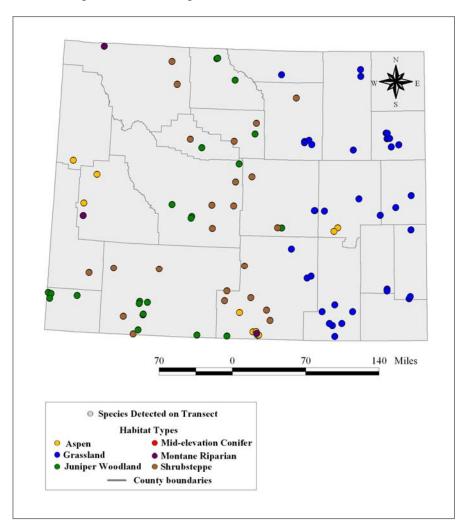
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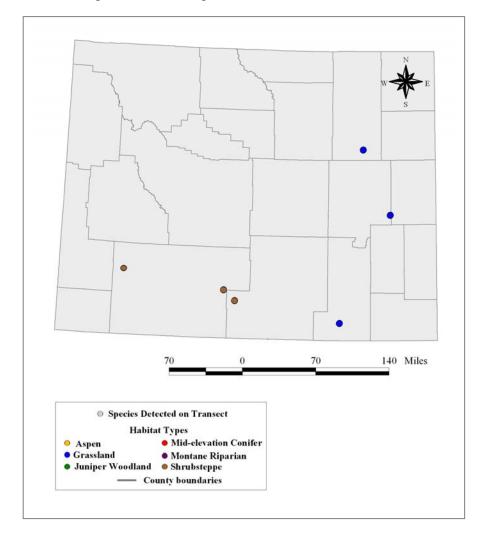
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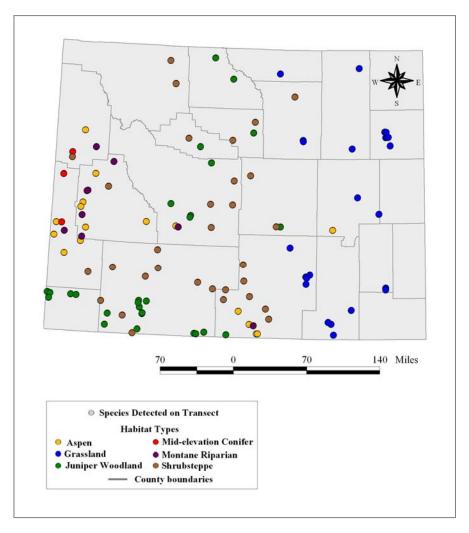
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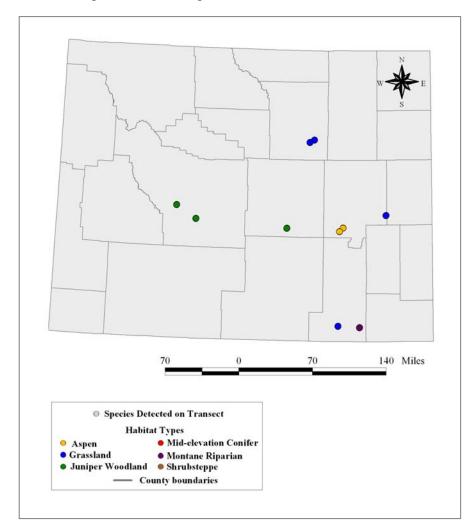
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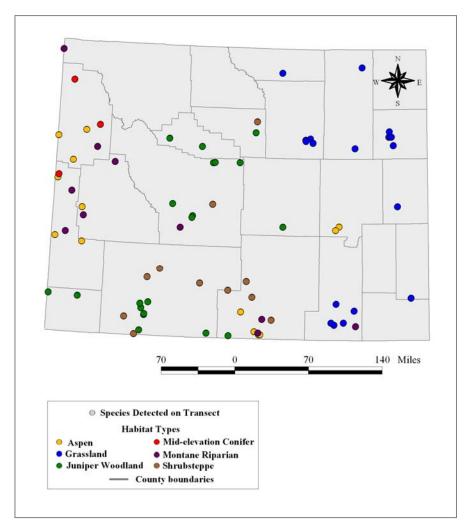
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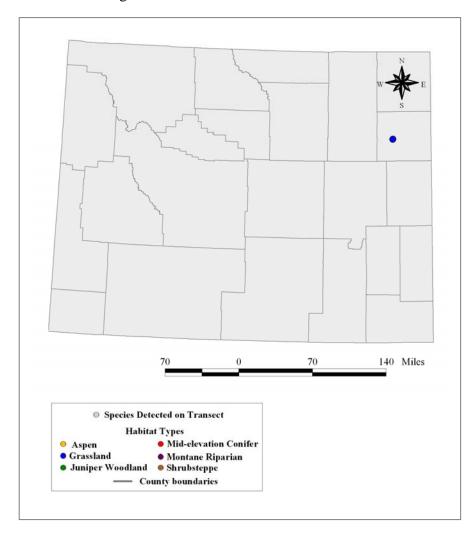
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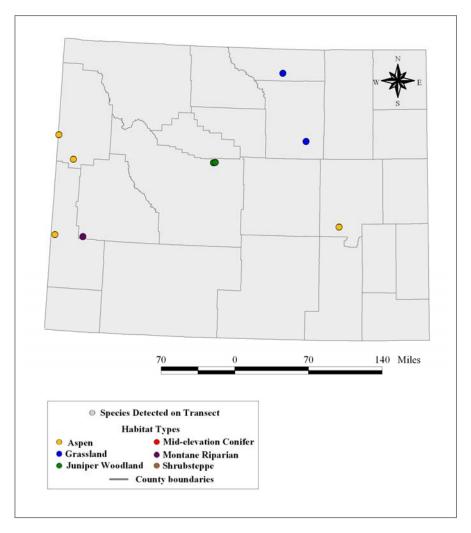
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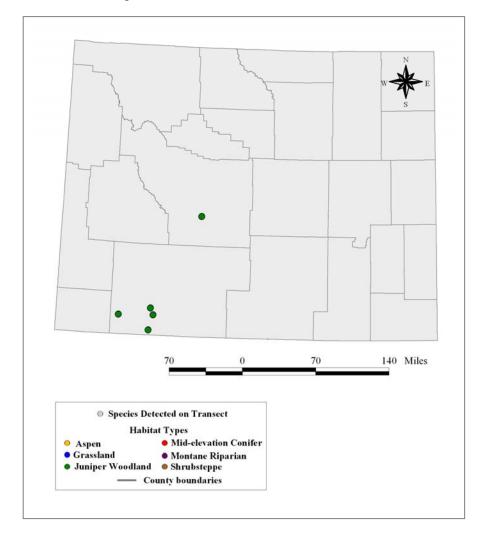
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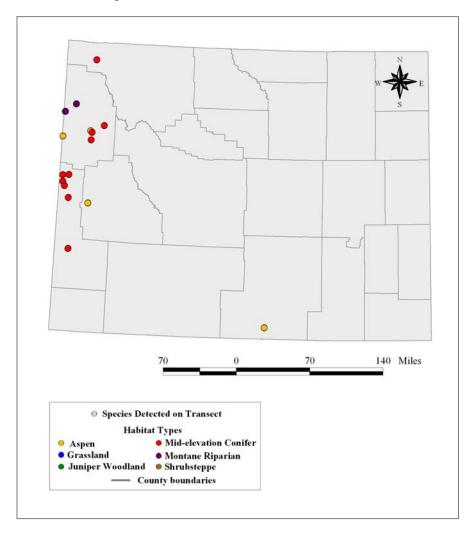
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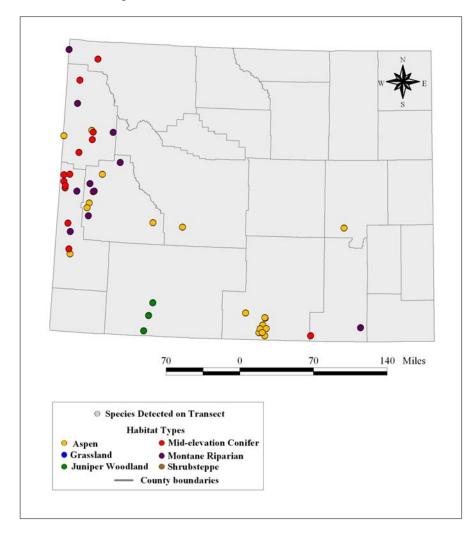
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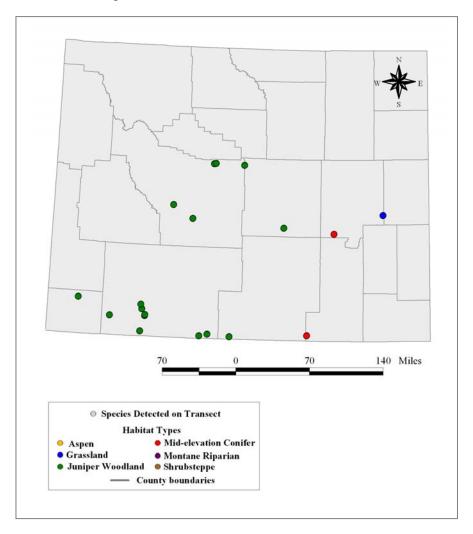
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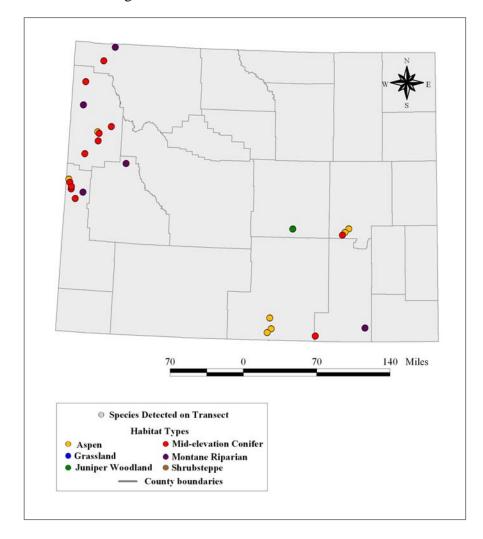
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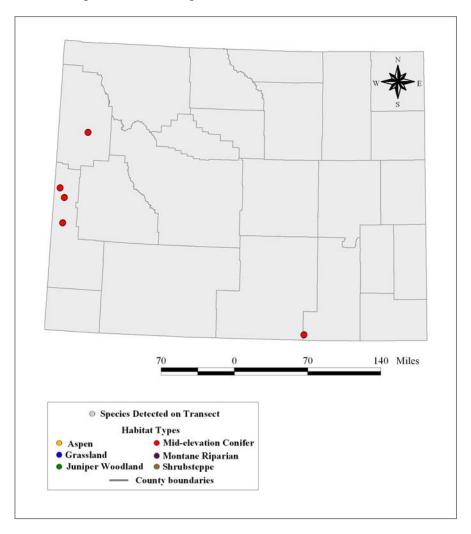
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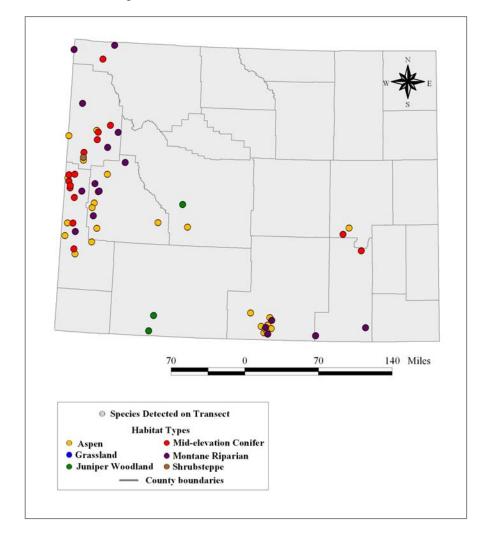
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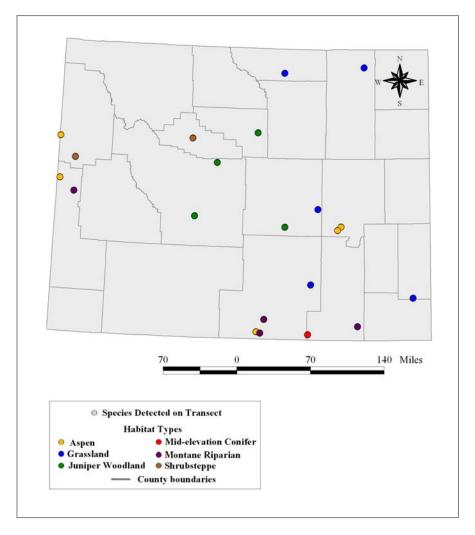
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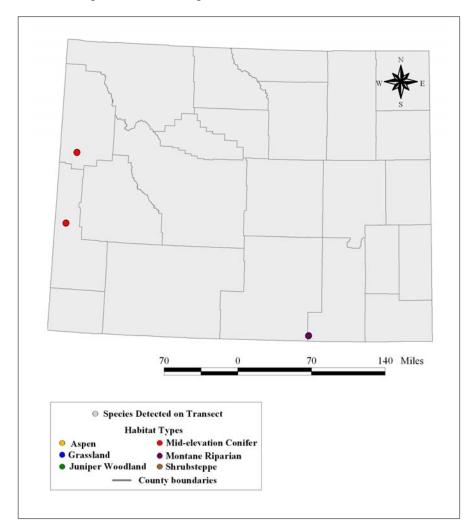
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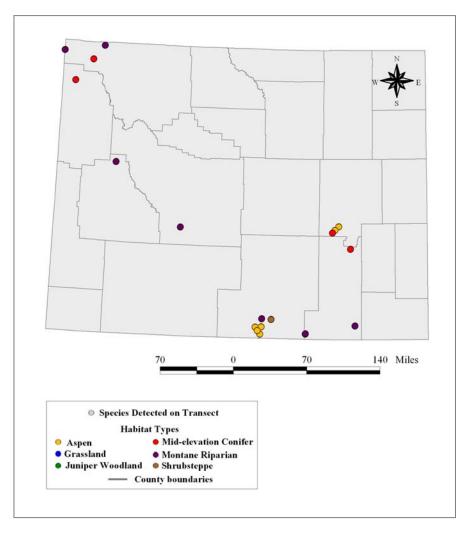
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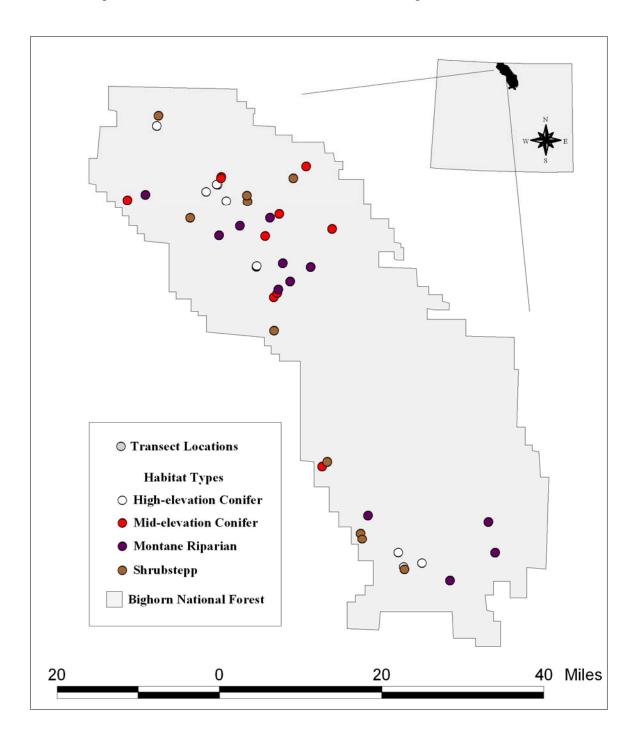
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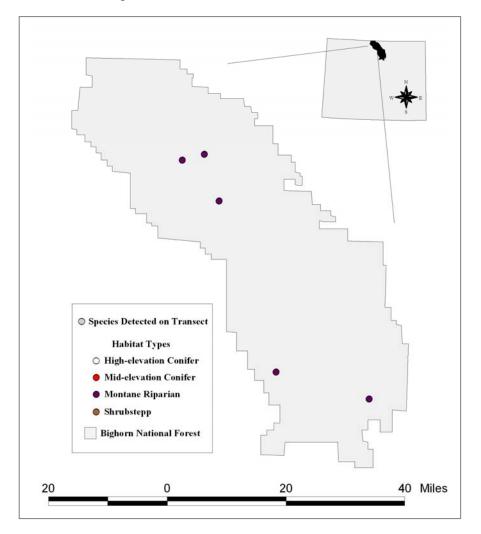
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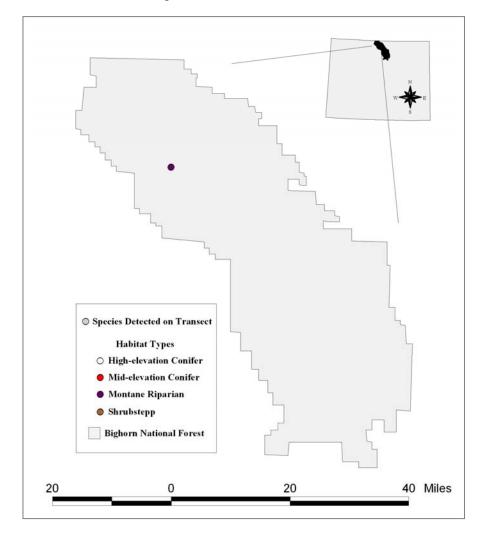
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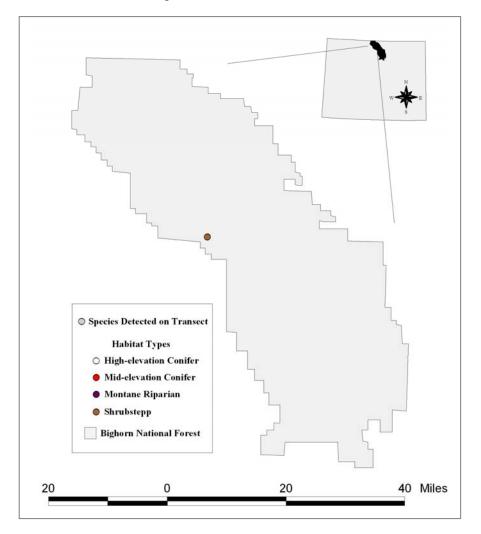
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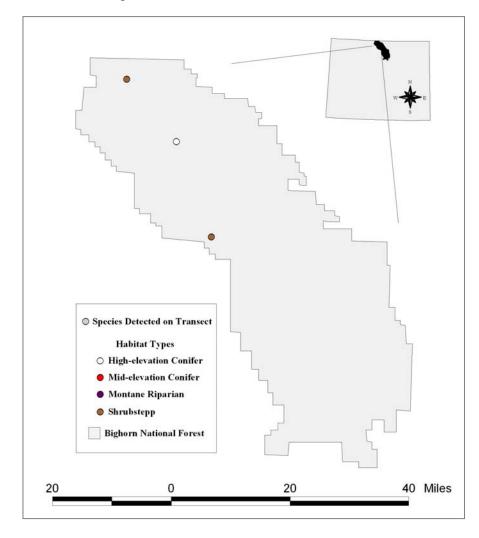
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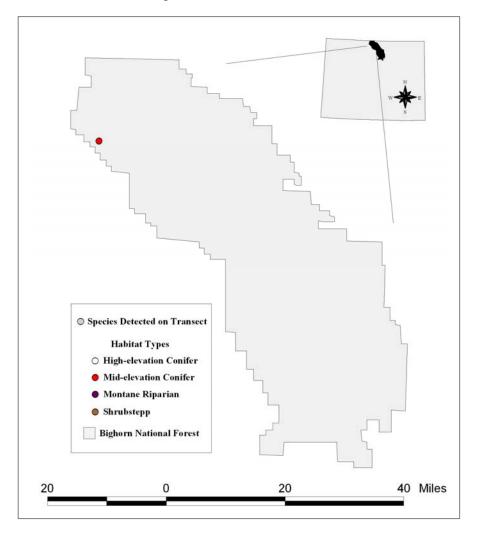
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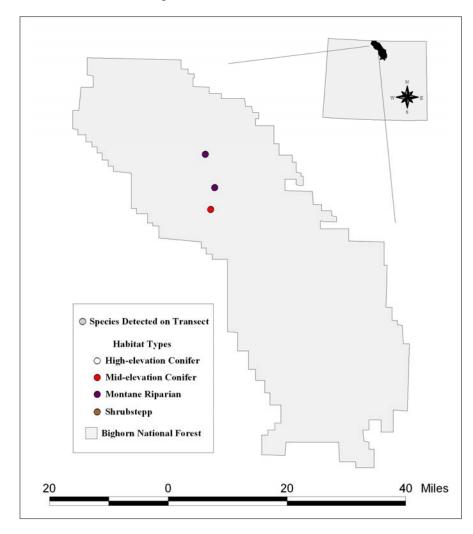
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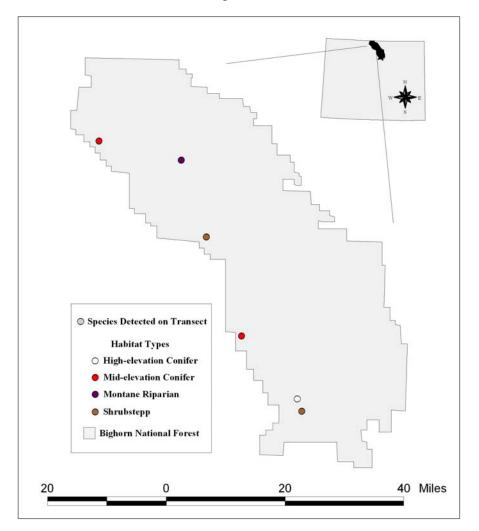
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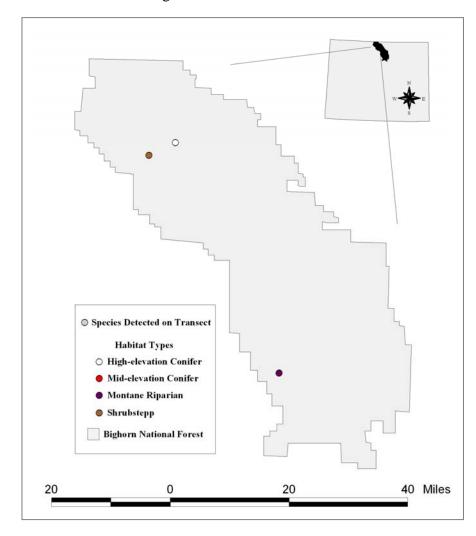
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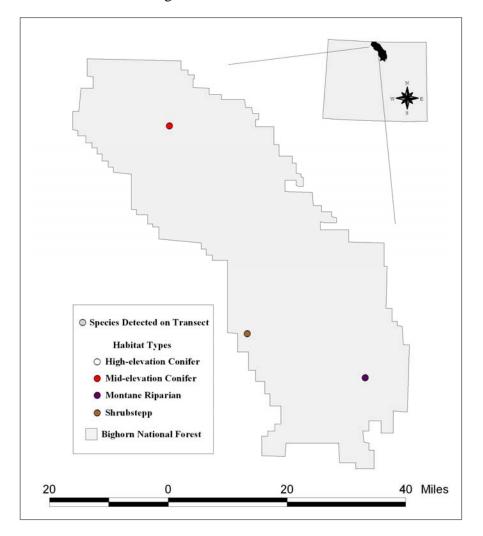
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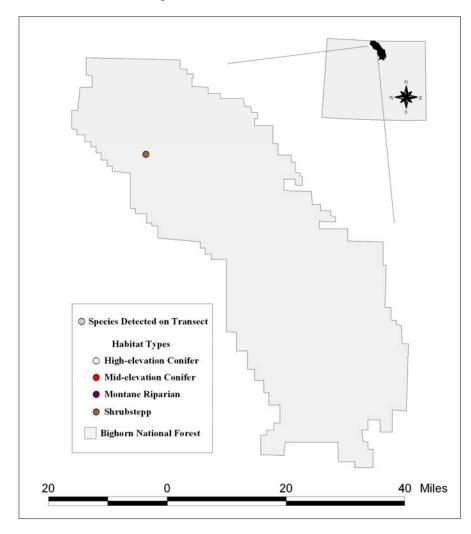
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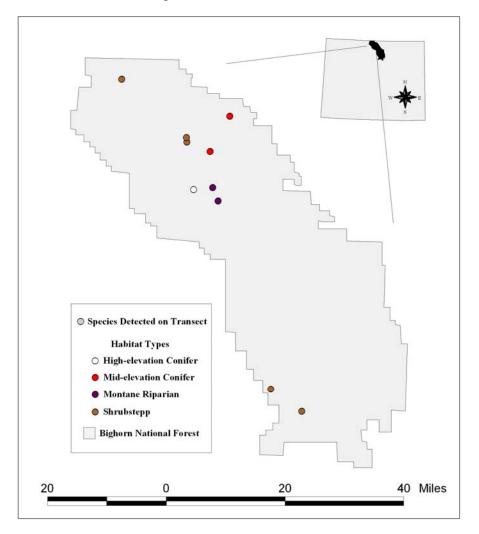
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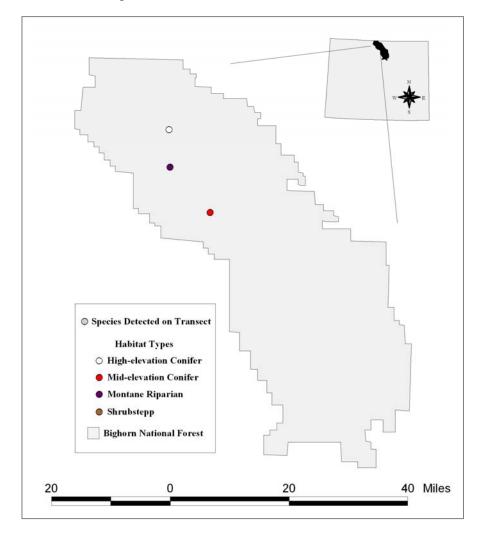
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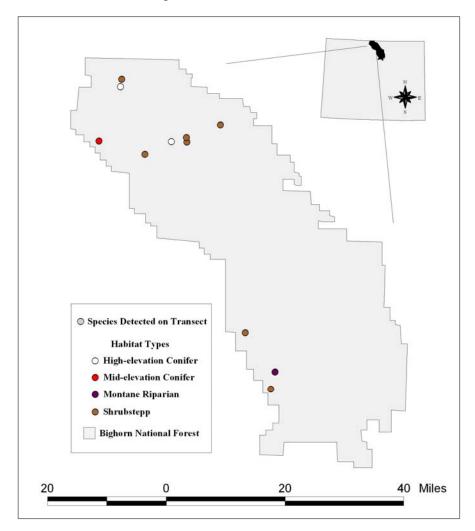
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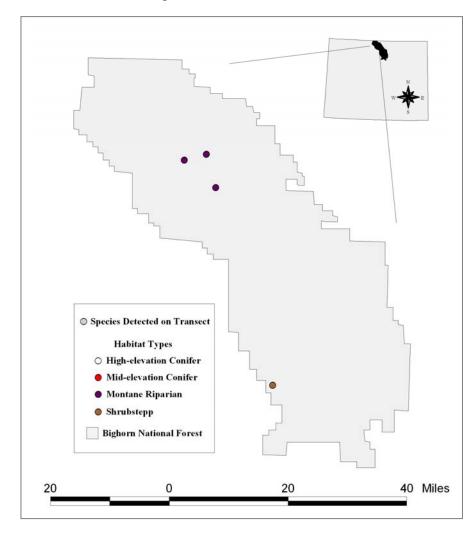
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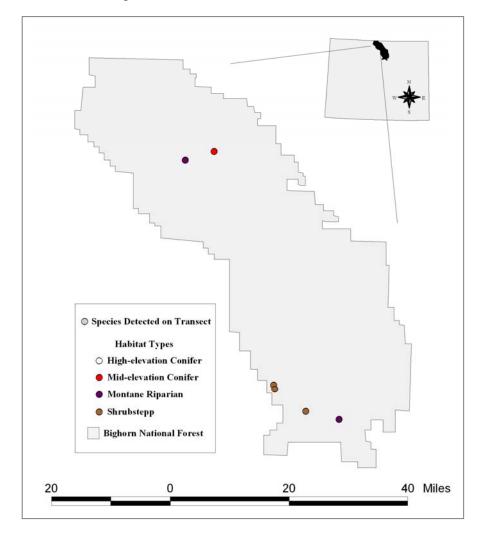
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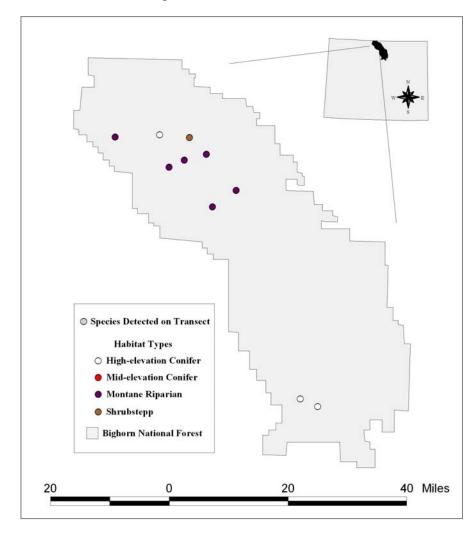
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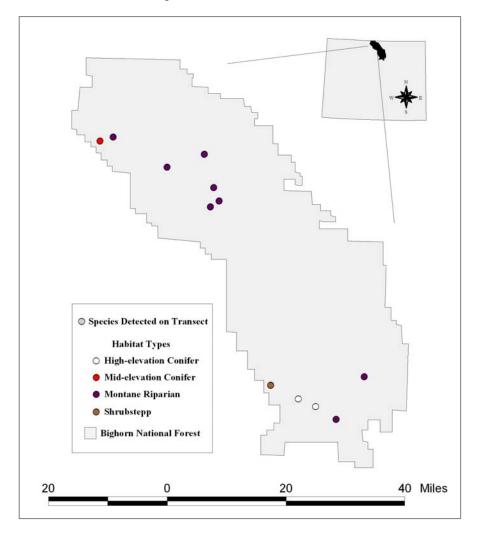
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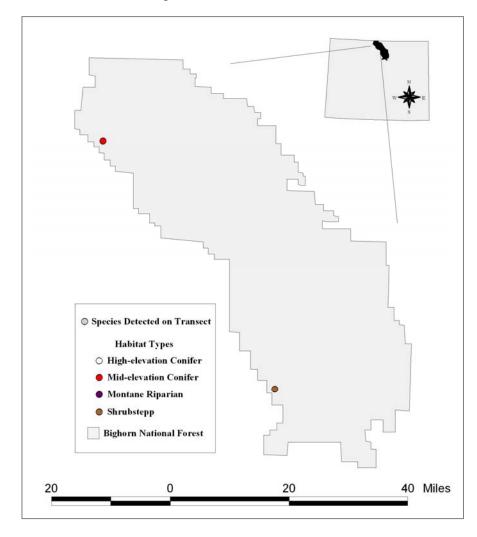
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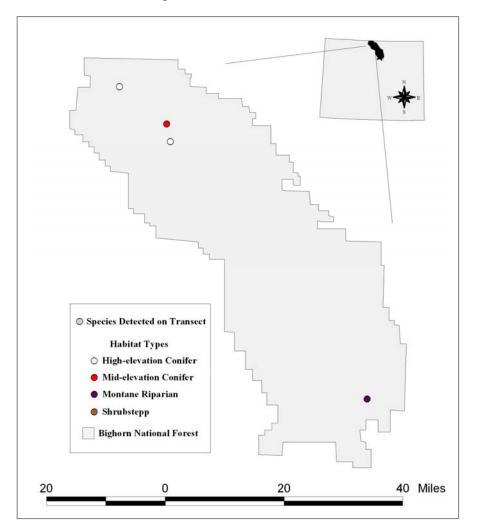
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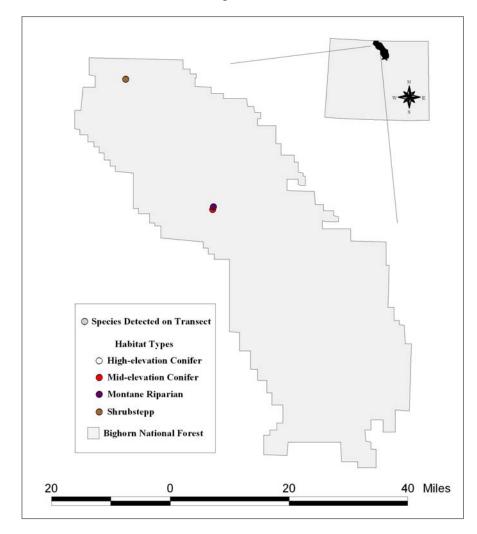
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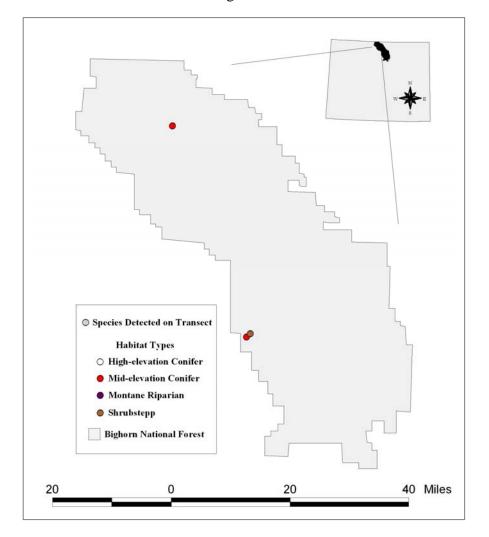
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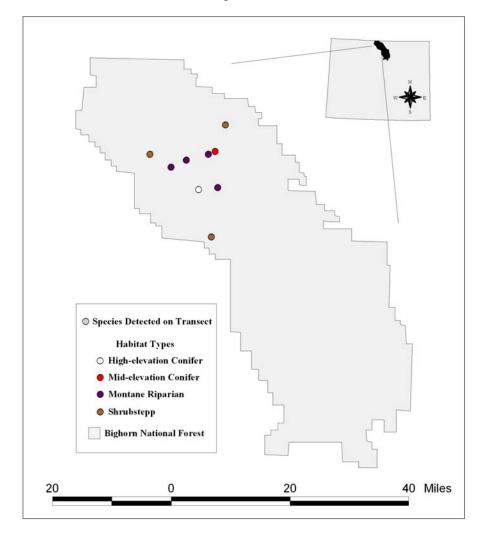
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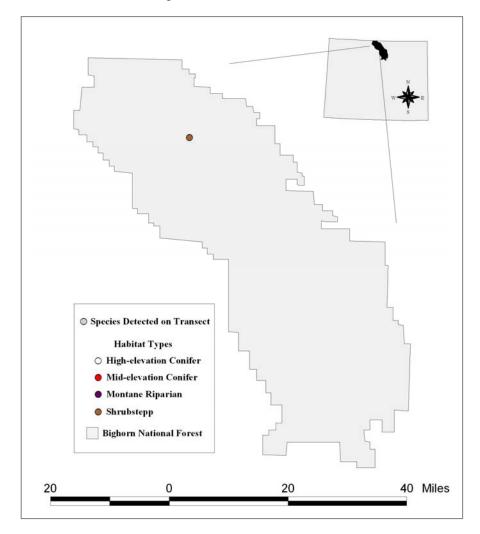
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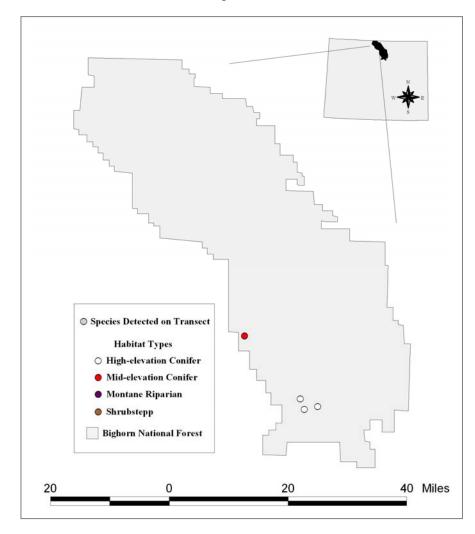
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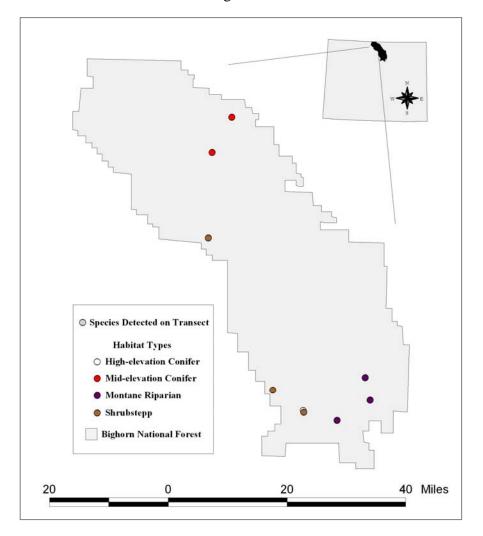
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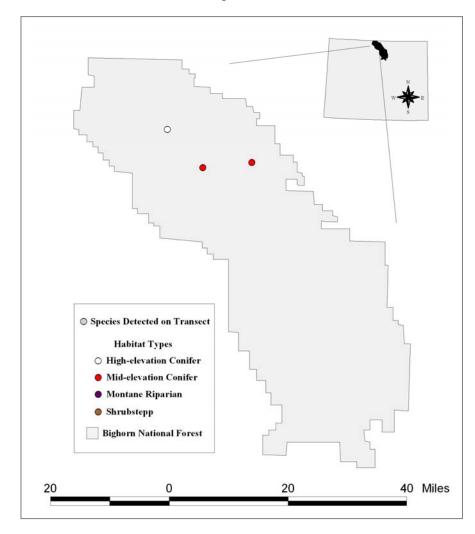
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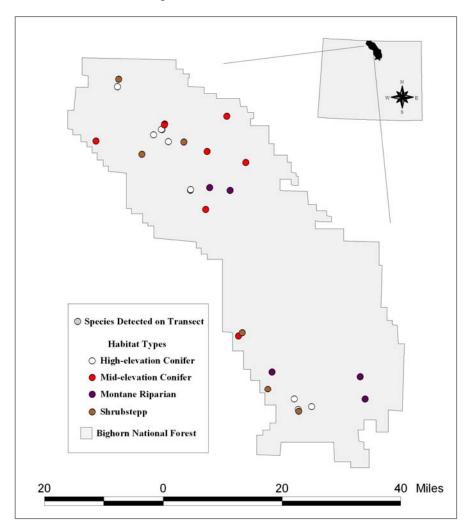
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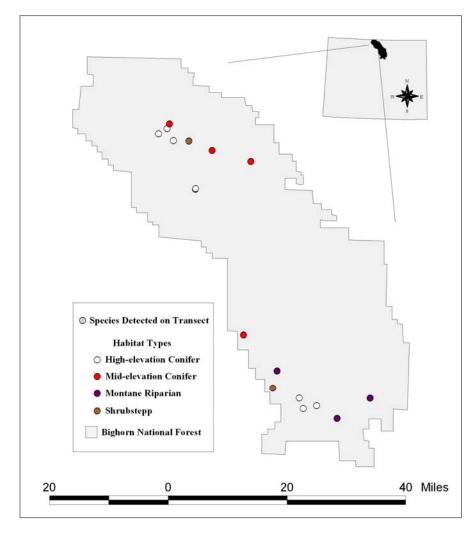
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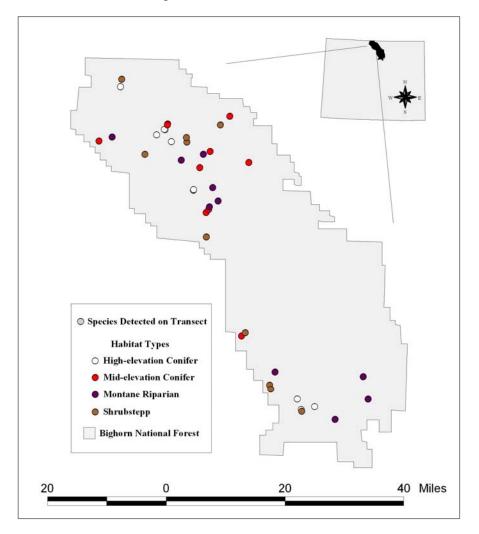
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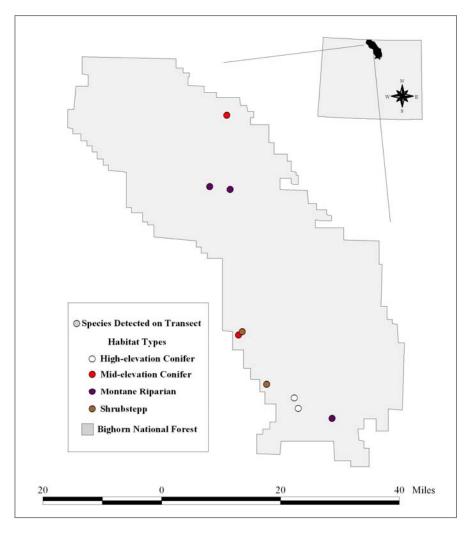
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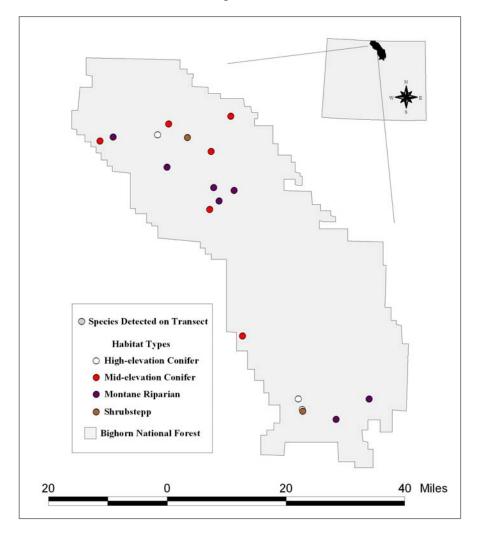
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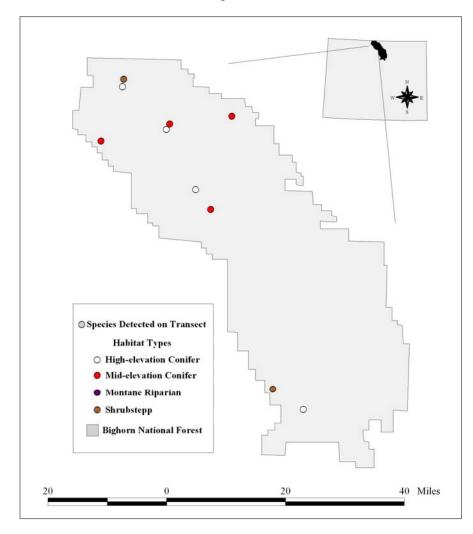
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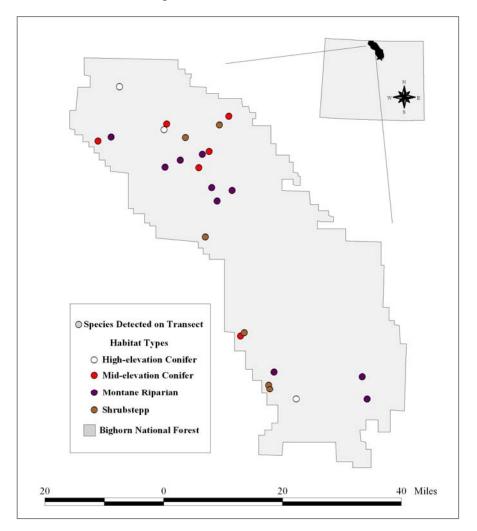
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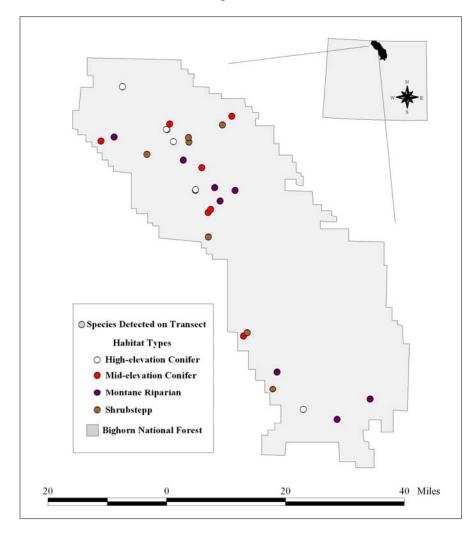
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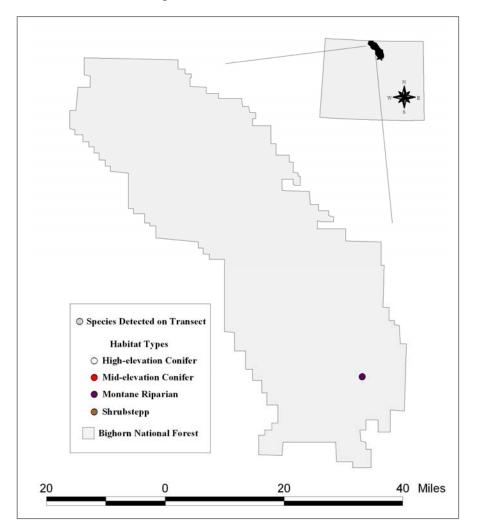
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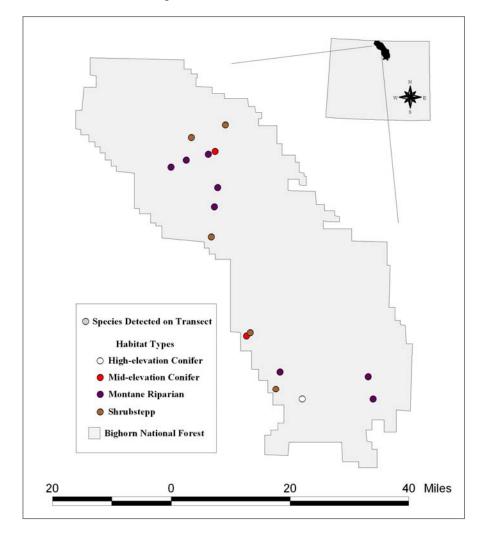
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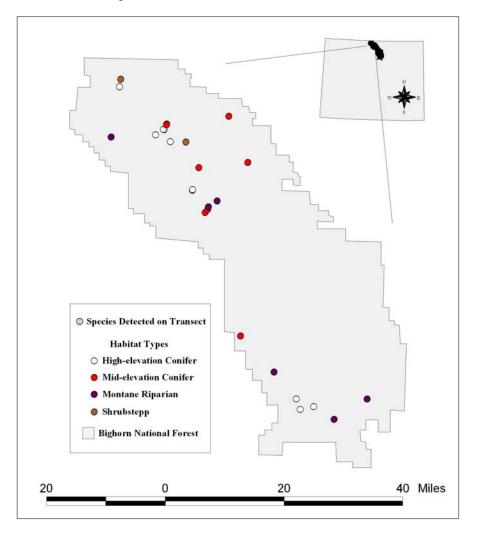
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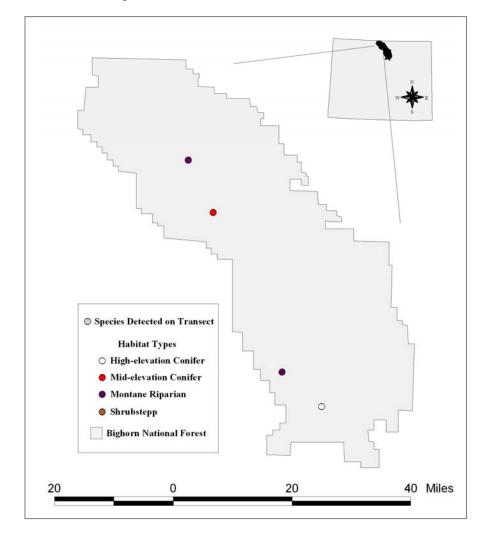
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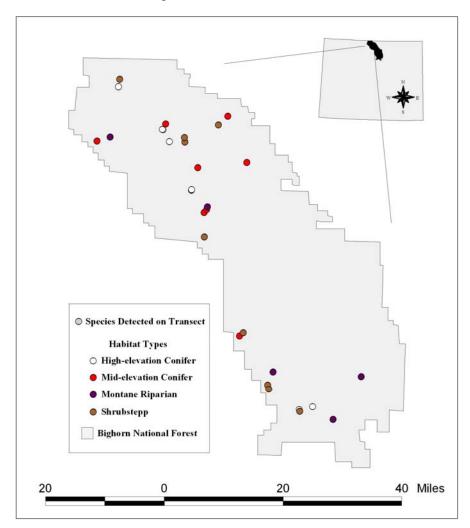
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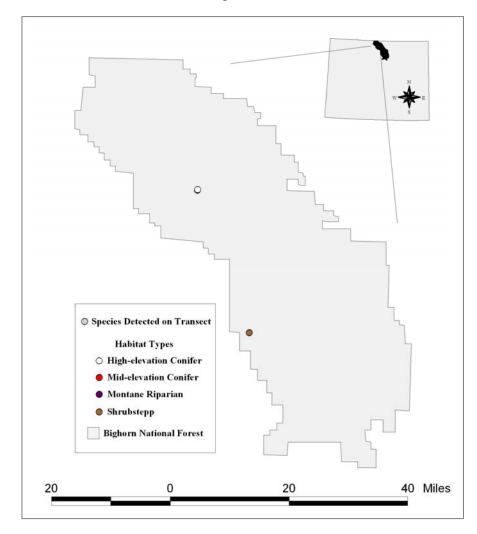
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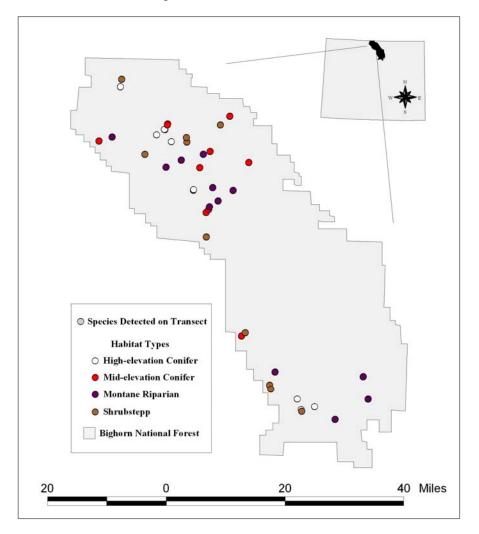
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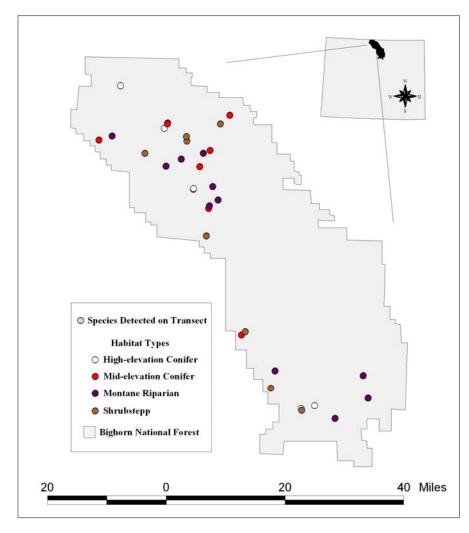
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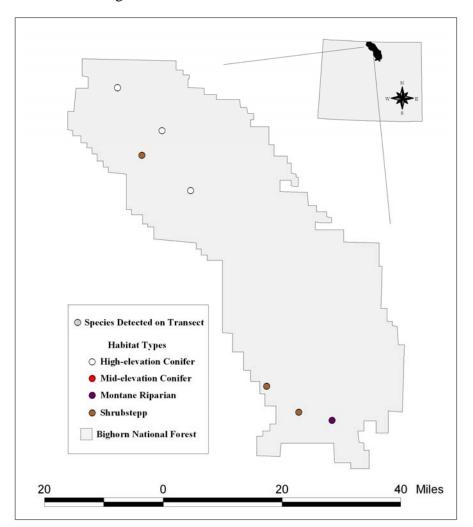
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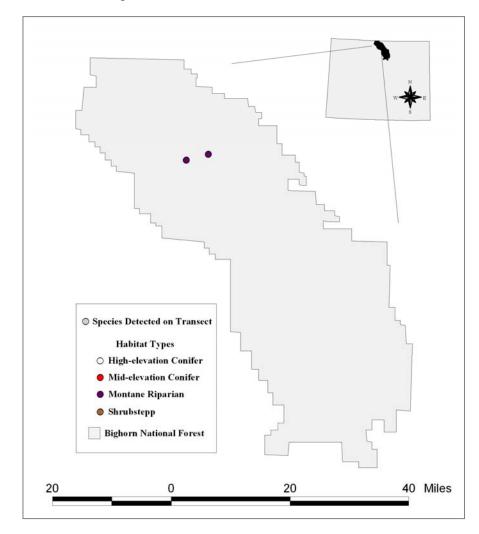
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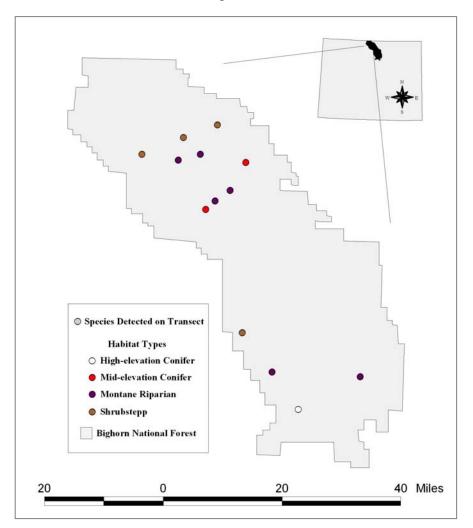
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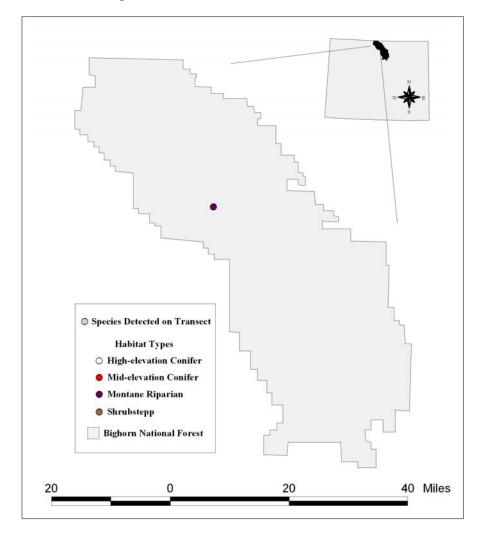
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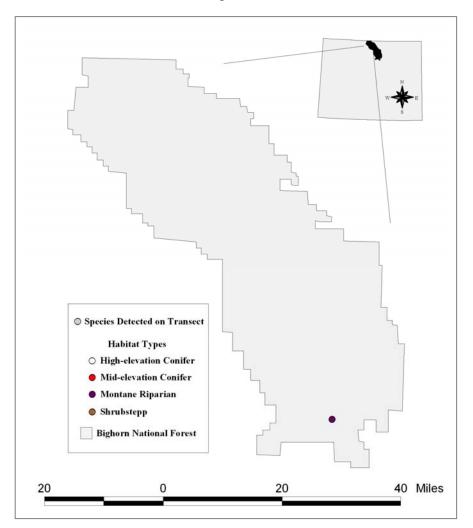
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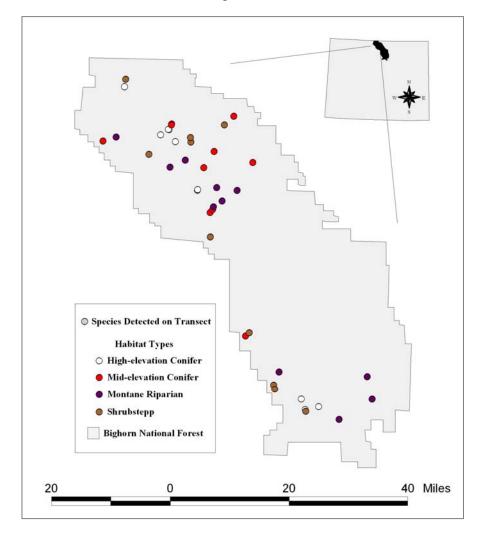
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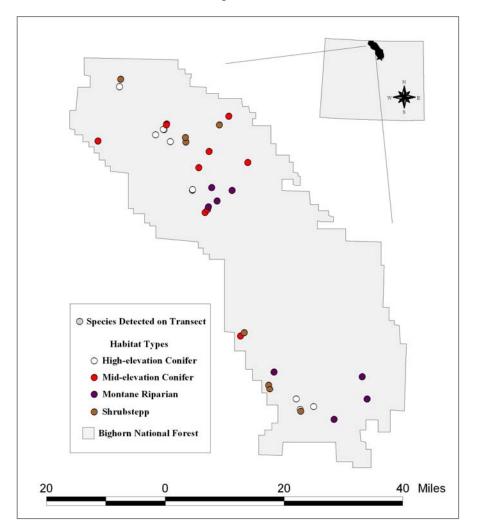
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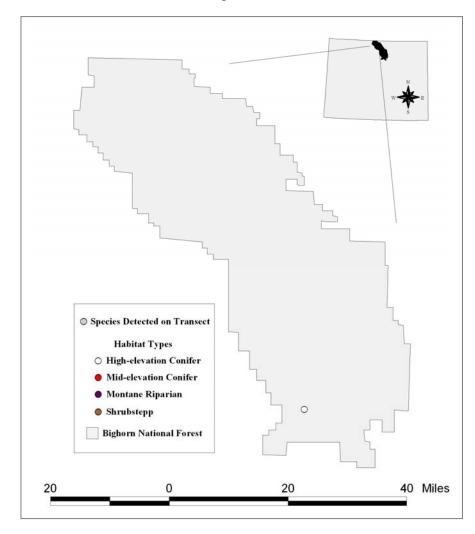
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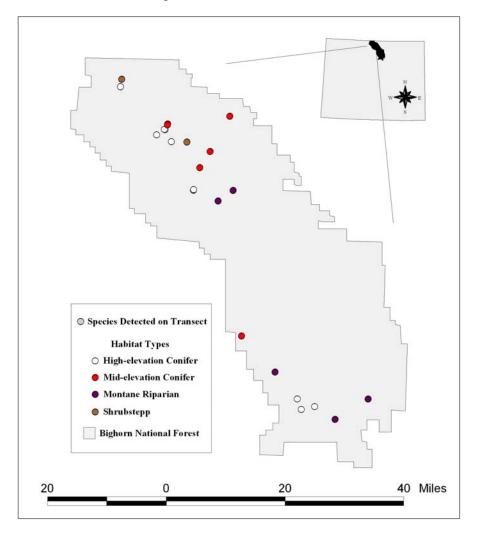
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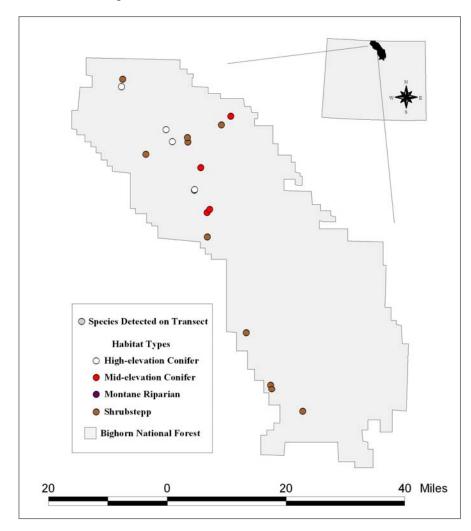
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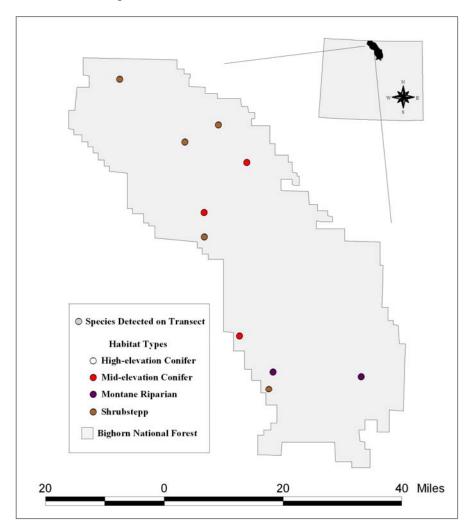
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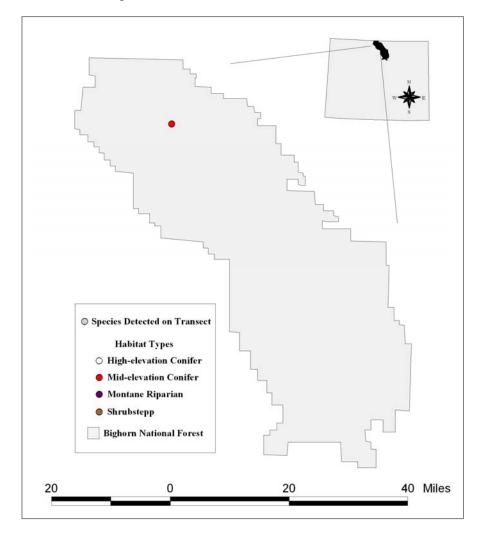
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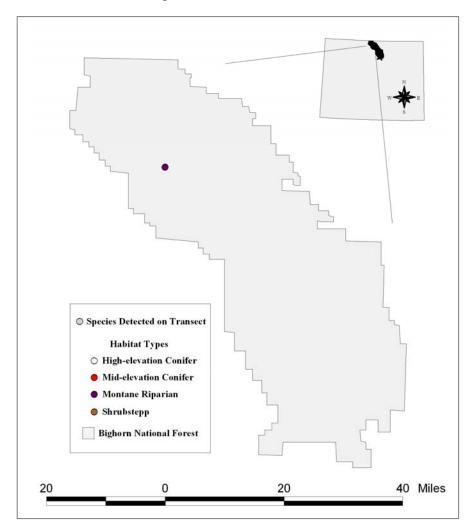
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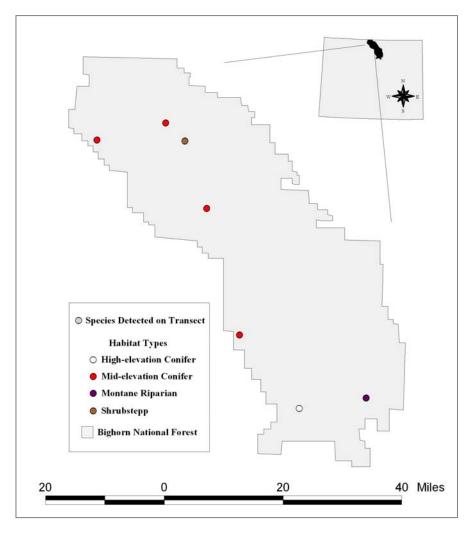
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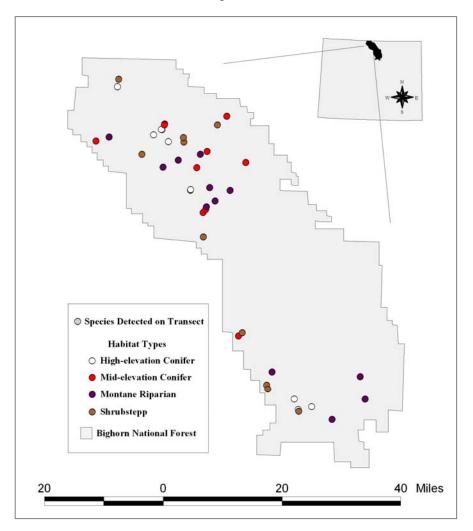
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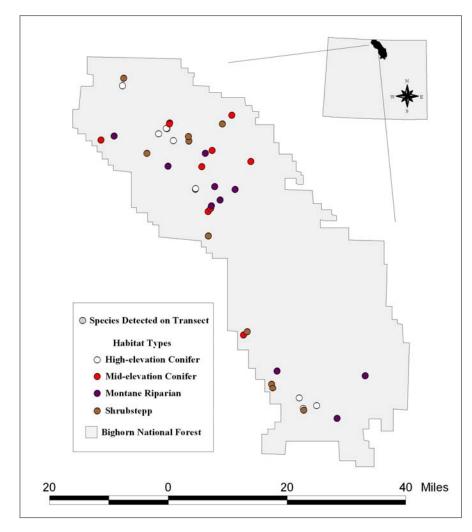
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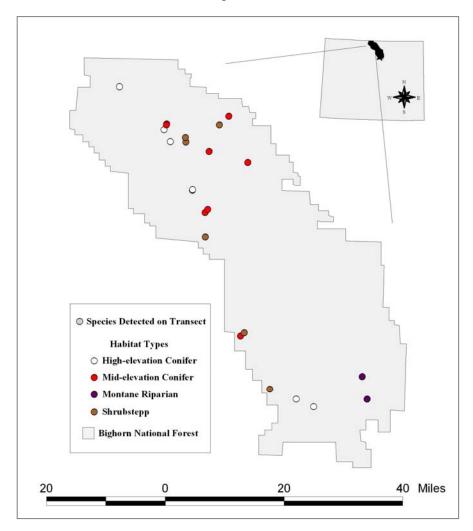
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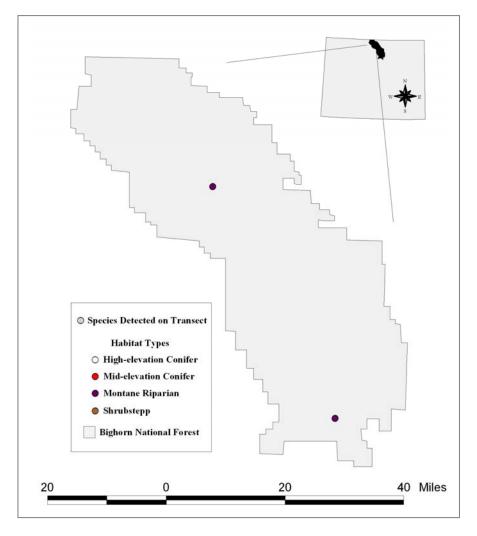
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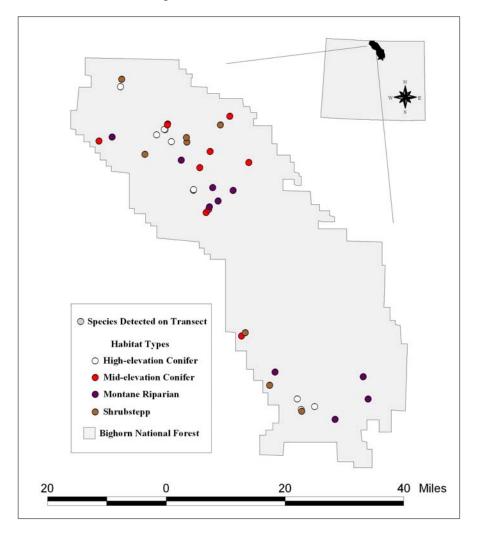
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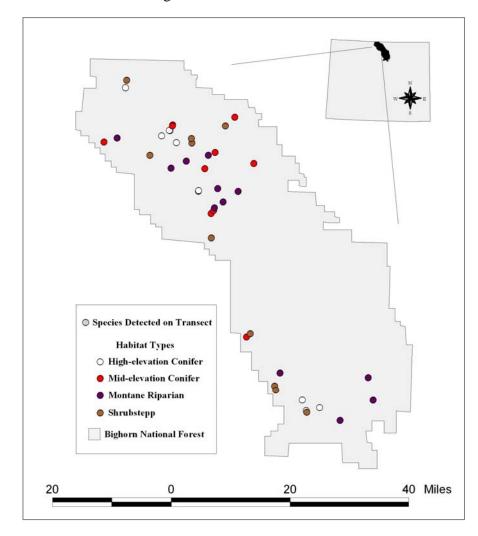
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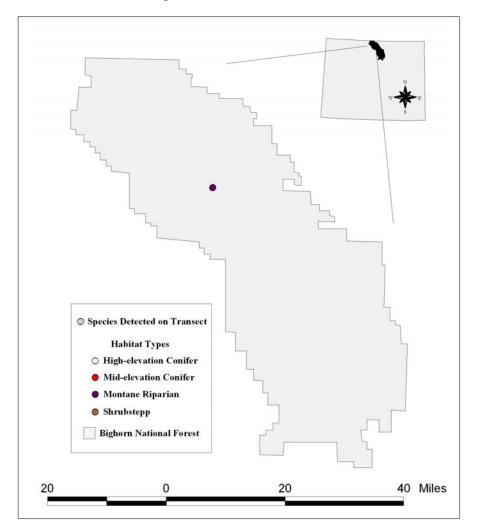
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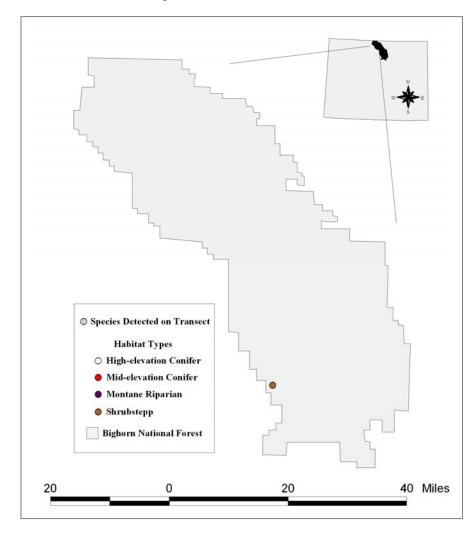
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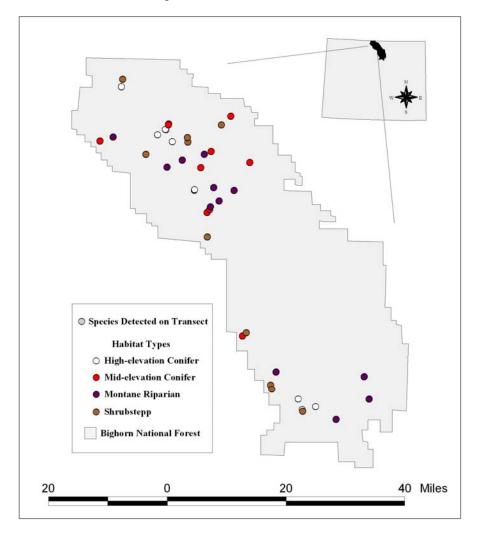
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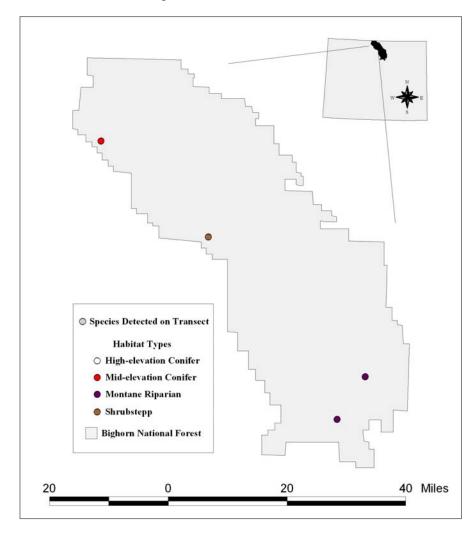
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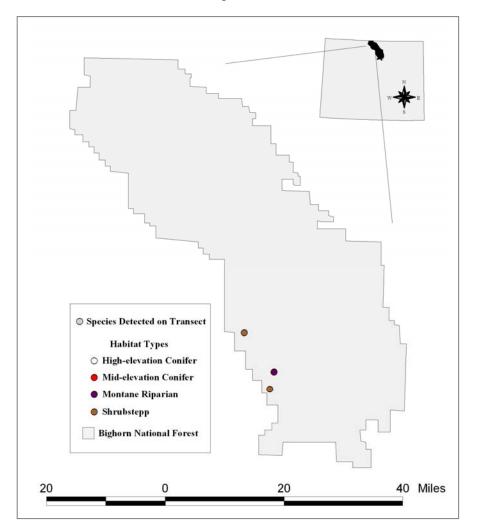
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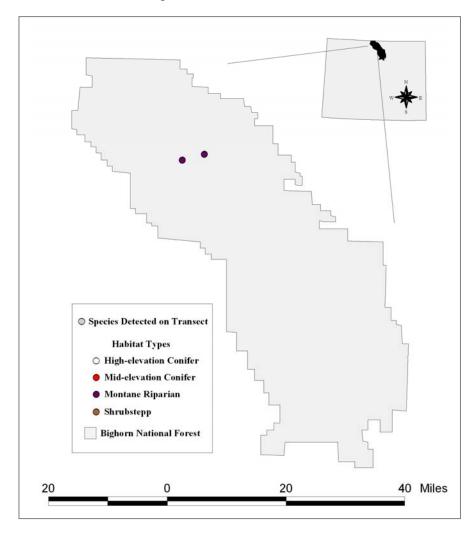
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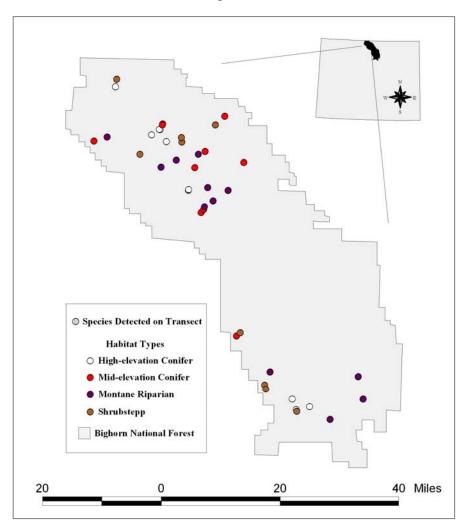
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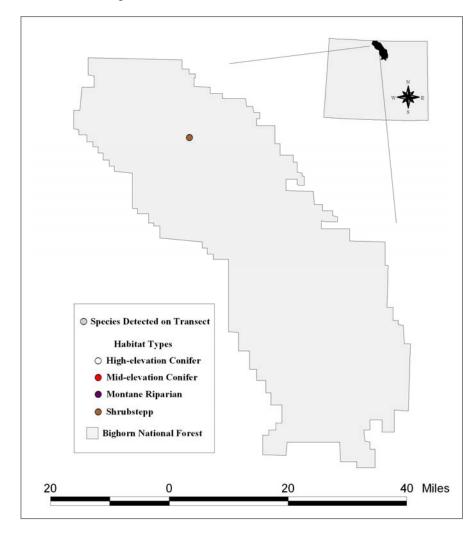
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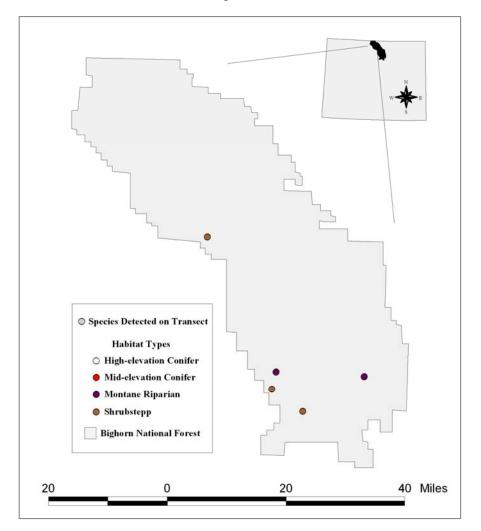
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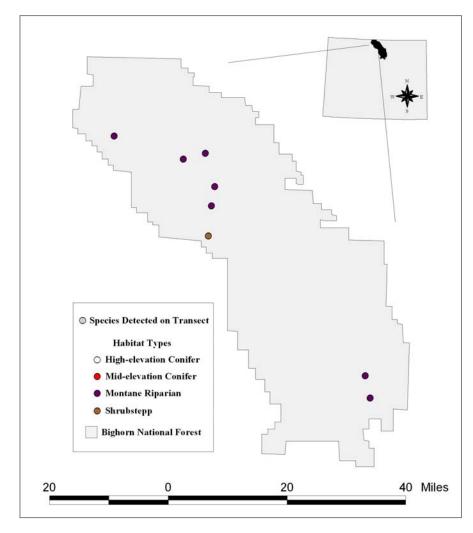
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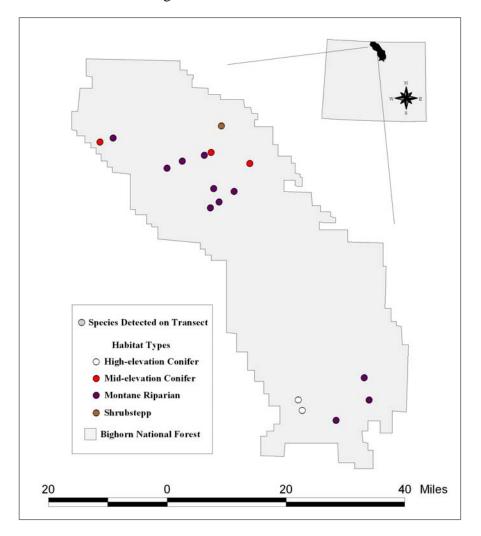
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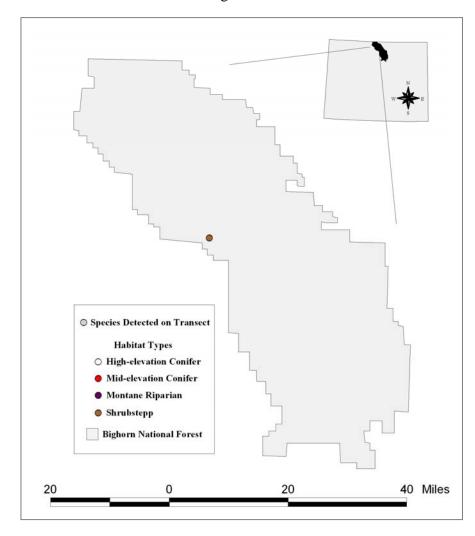
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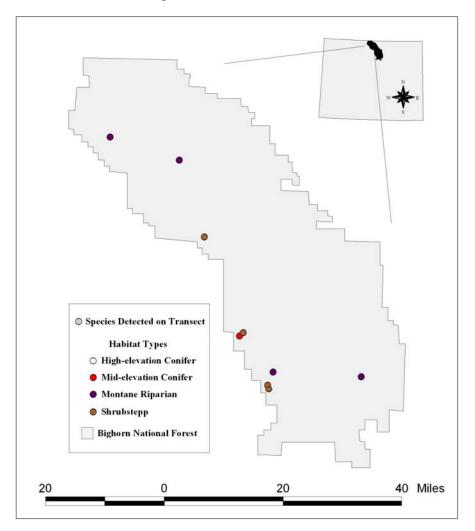
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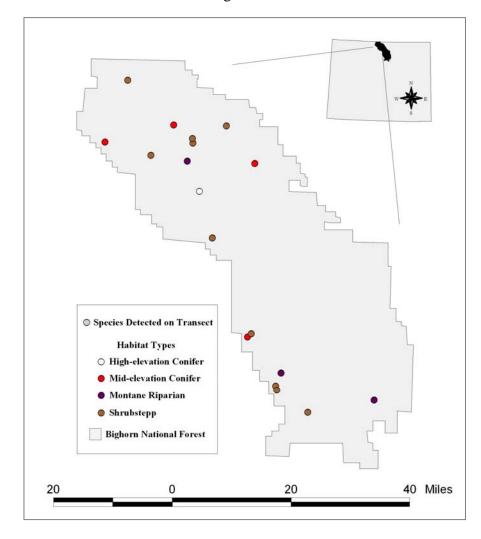
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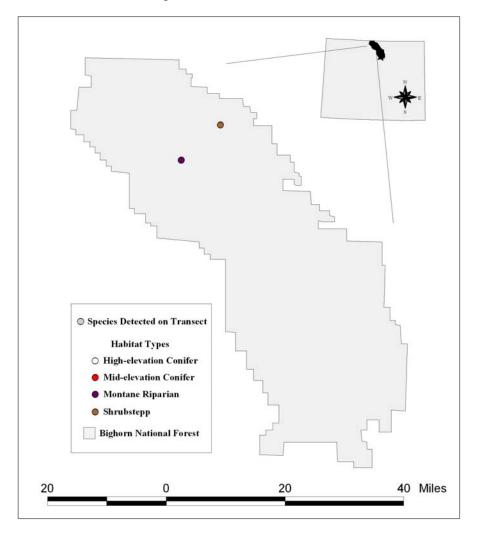
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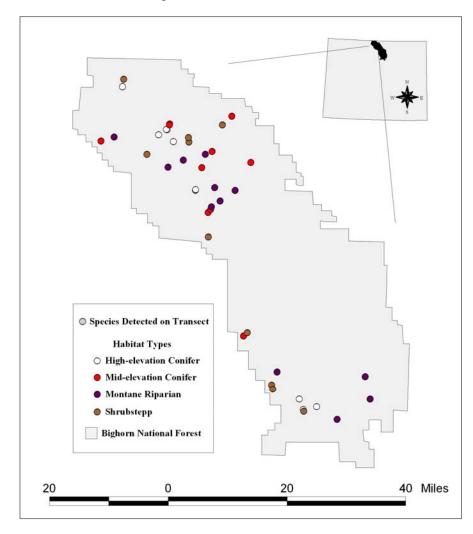
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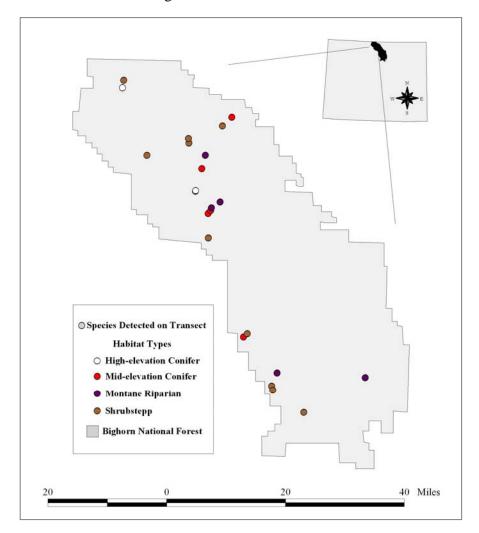
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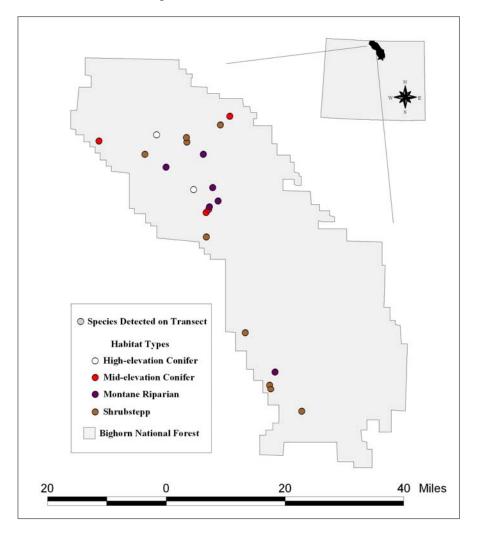
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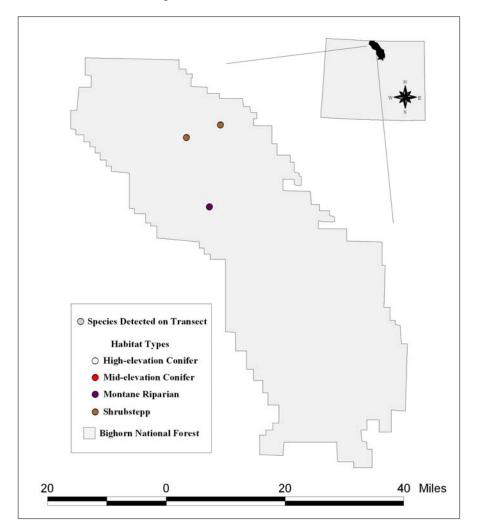
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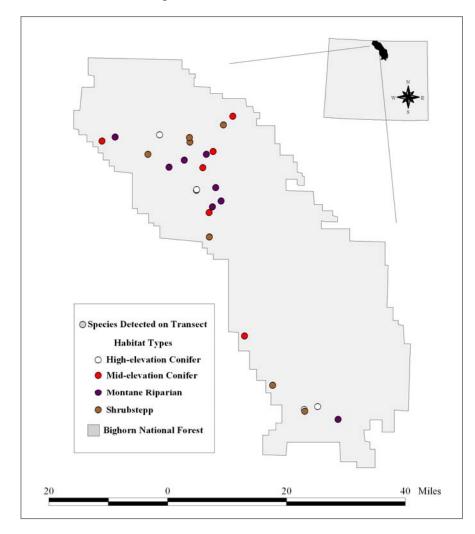
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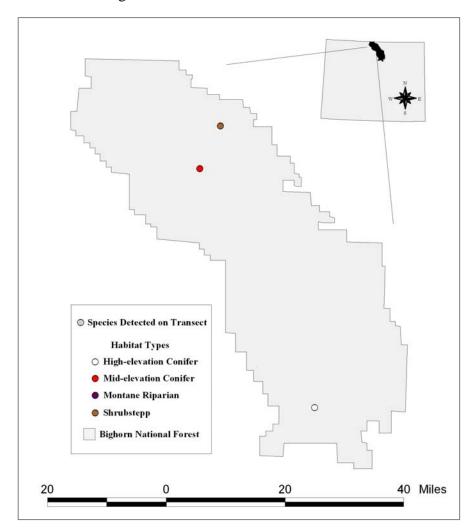
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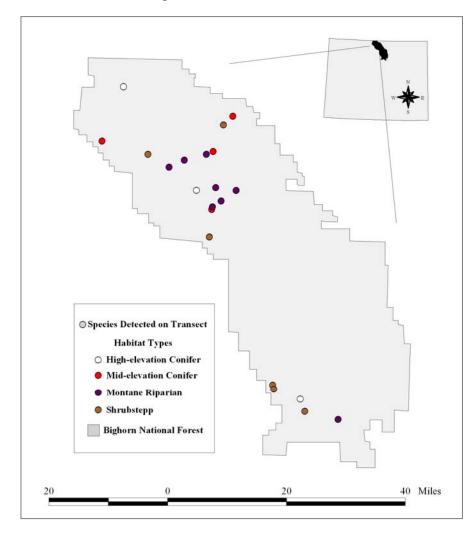
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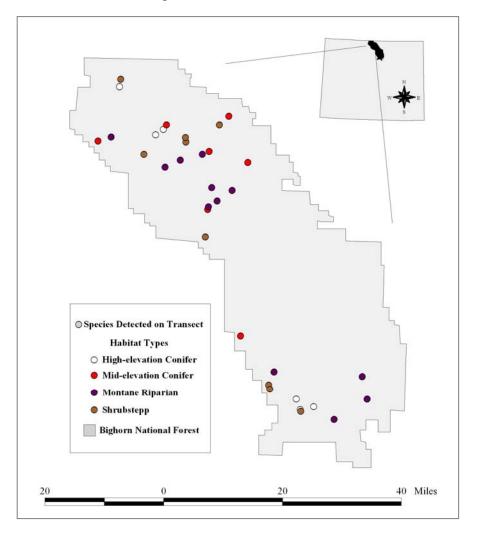
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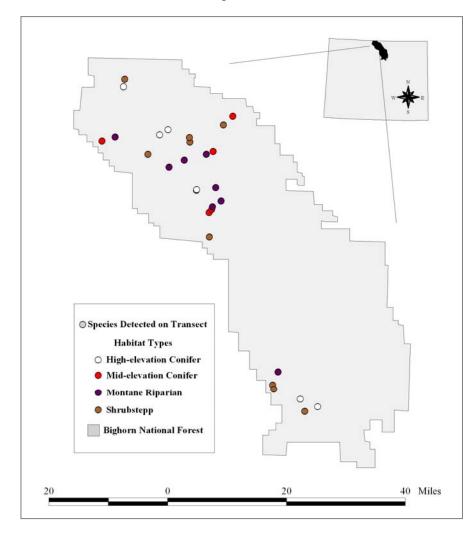
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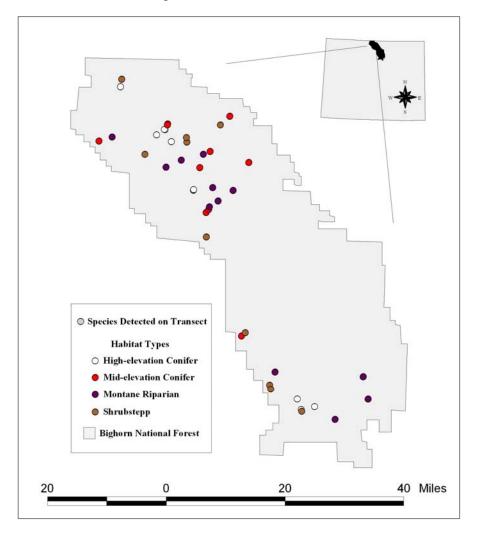
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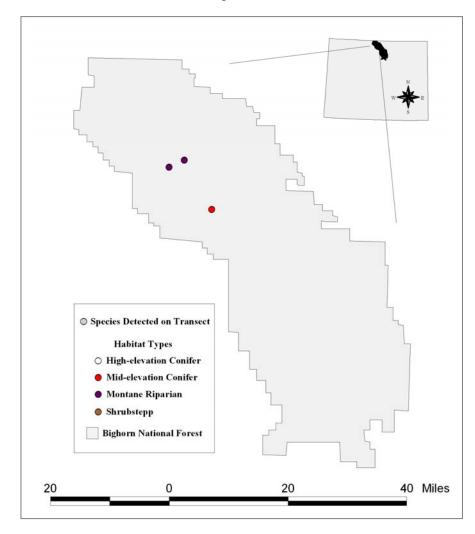
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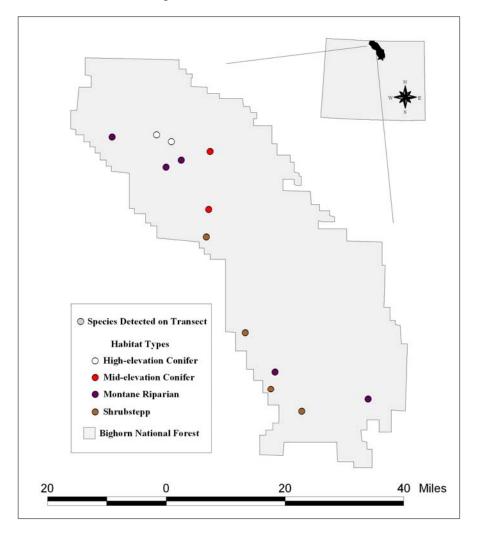
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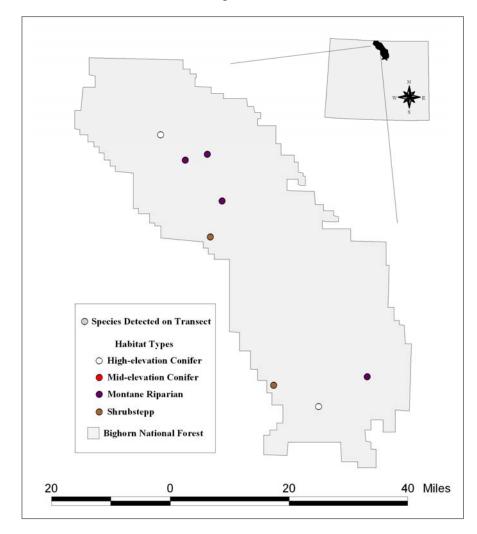
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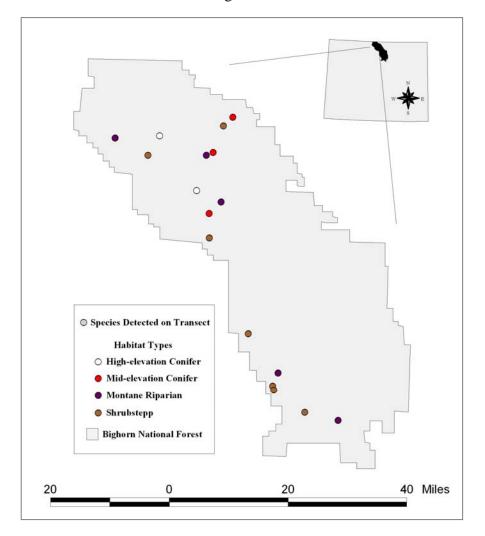
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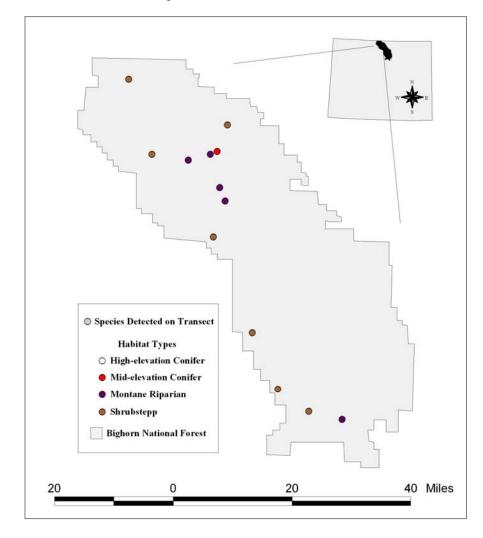
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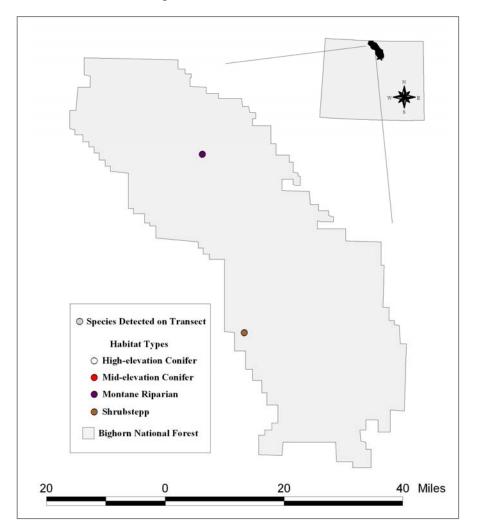
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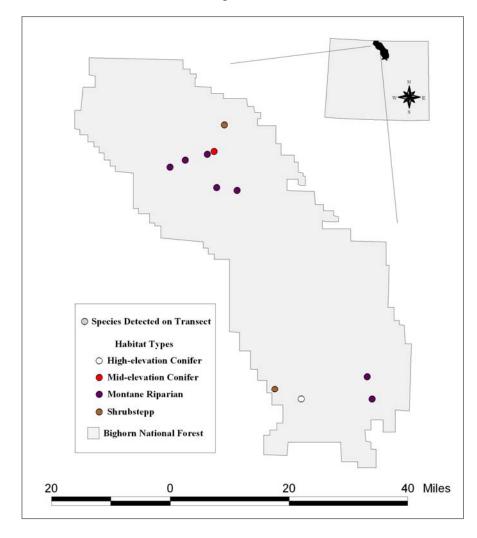
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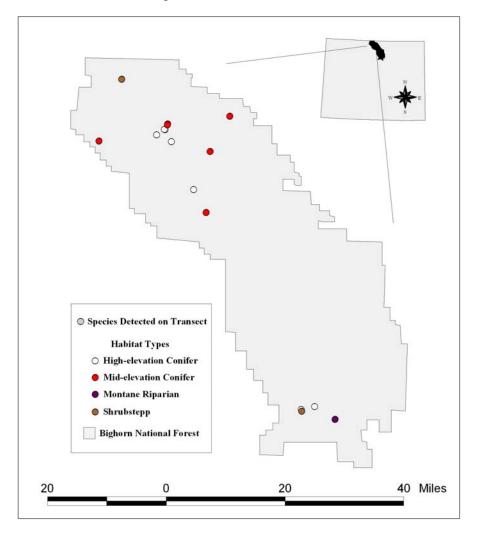
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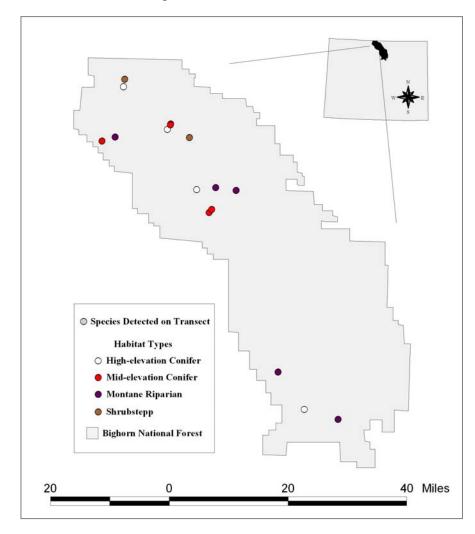
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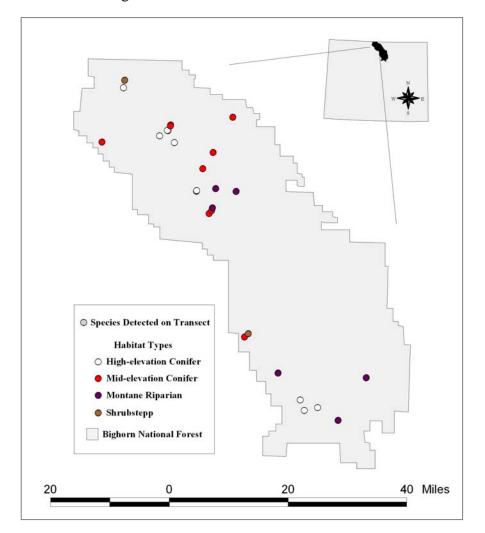
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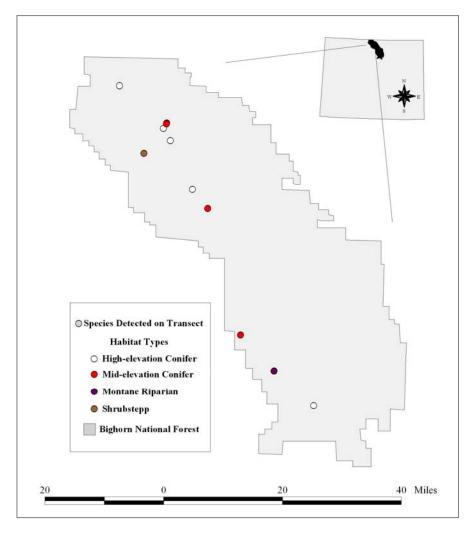
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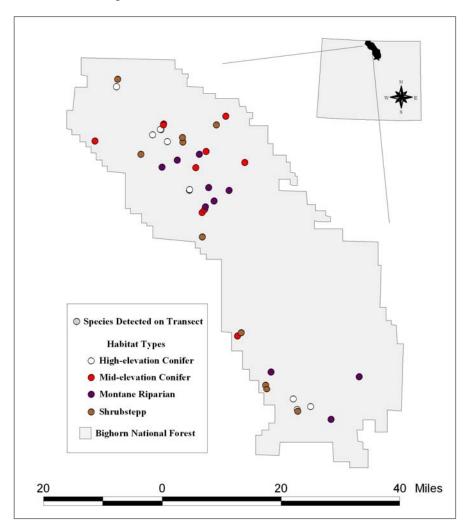
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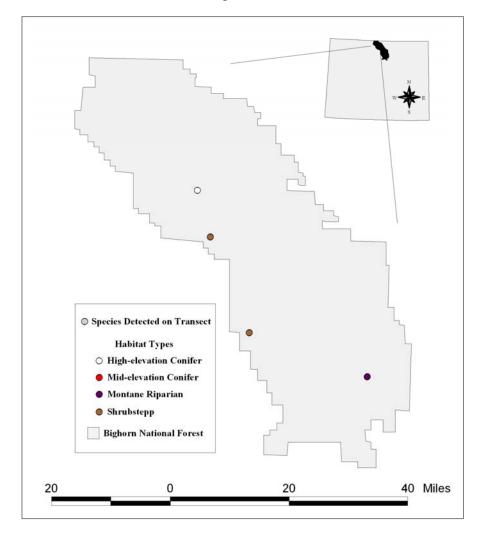
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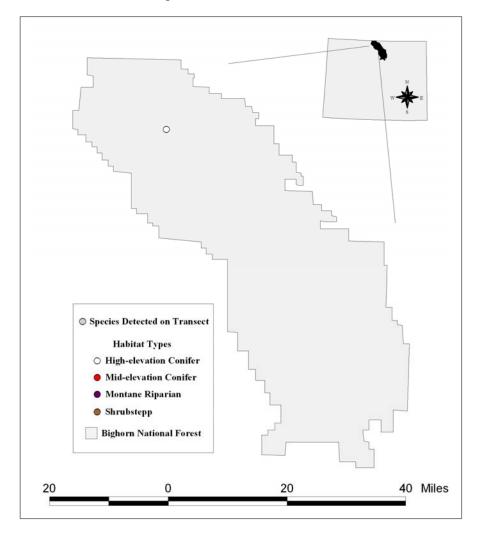
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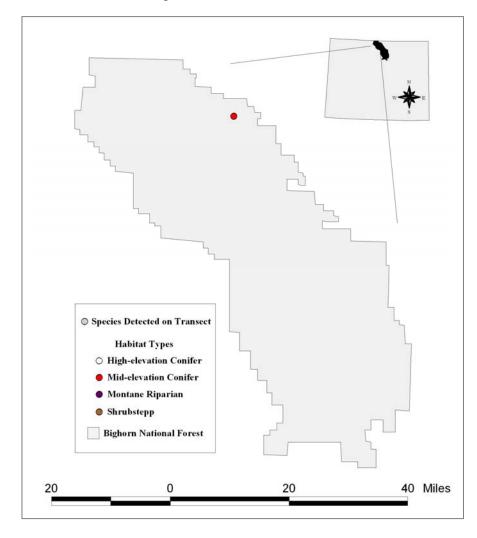
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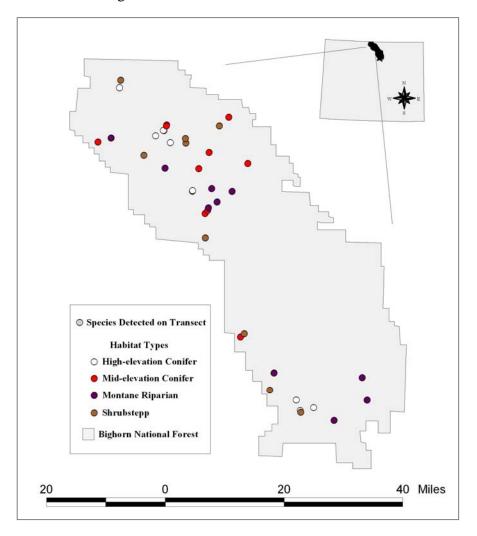
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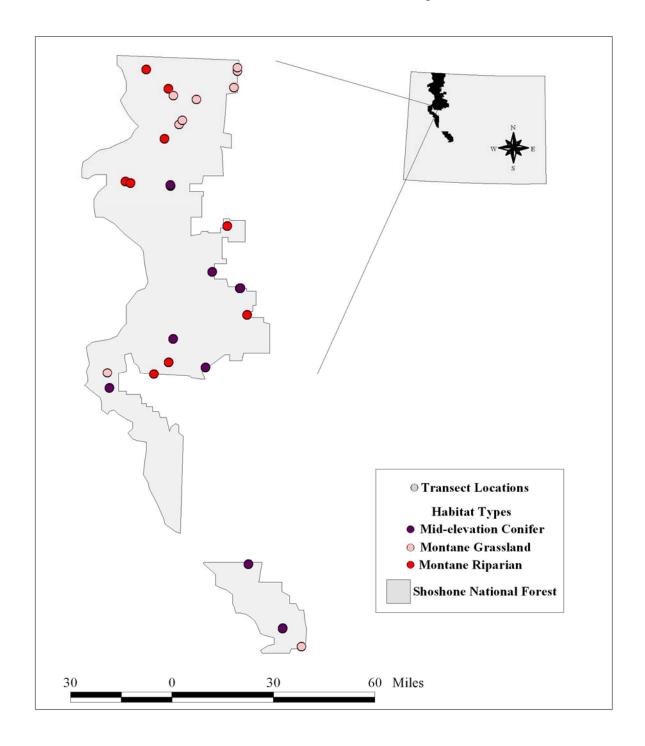
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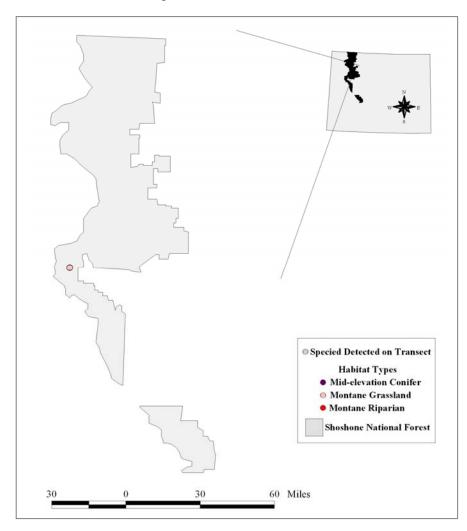
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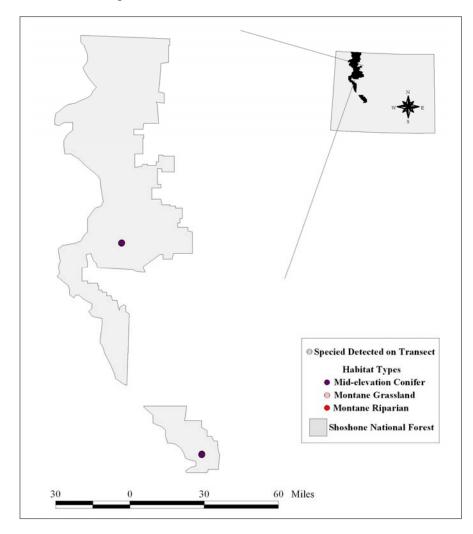
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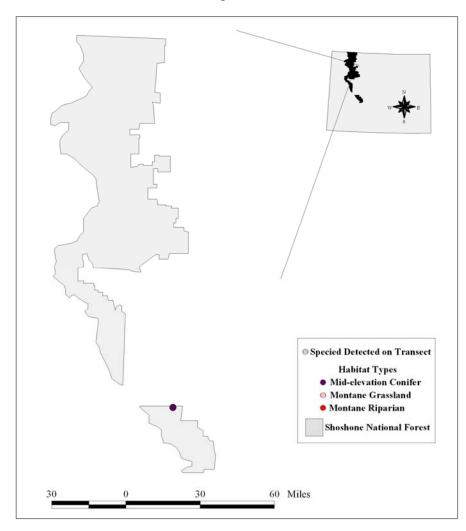
Distribution of **Canada Goose** detections on Shoshone National Forest transects during the 2002-2004 field seasons



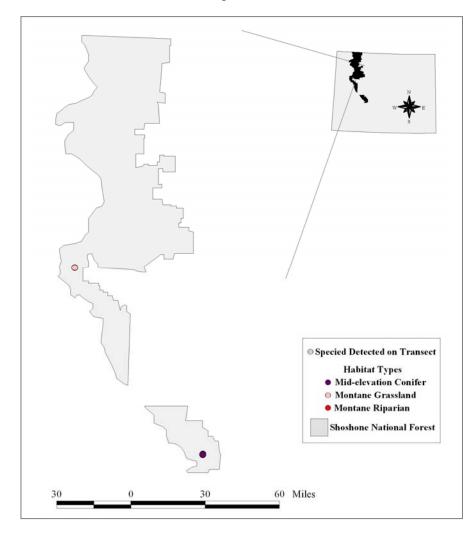
Distribution of **Mallard** detections on Shoshone National Forest transects during the 2002-2004 field seasons



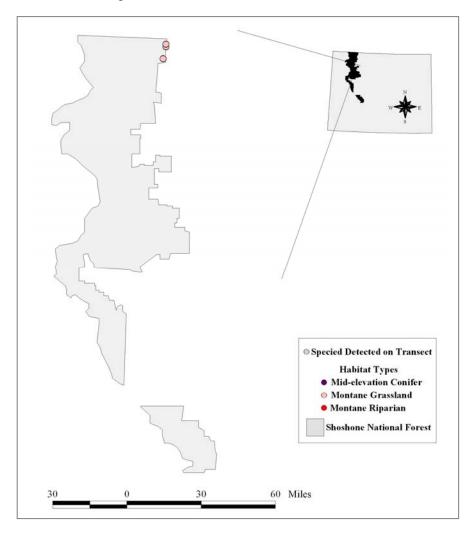
Distribution of **Green-winged Teal** detections on Shoshone National Forest transects during the 2002-2004 field seasons



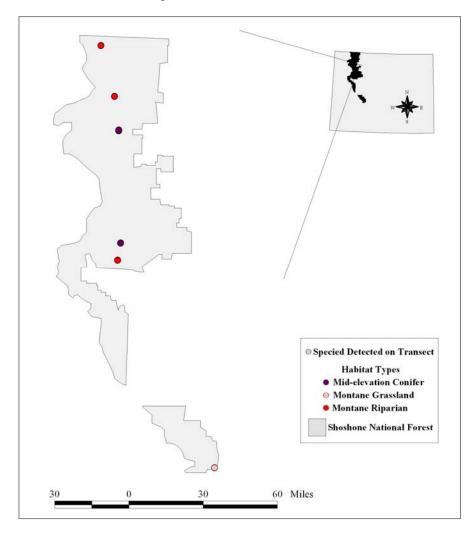
Distribution of **Common Merganser** detections on Shoshone National Forest transects during the 2002-2004 field seasons



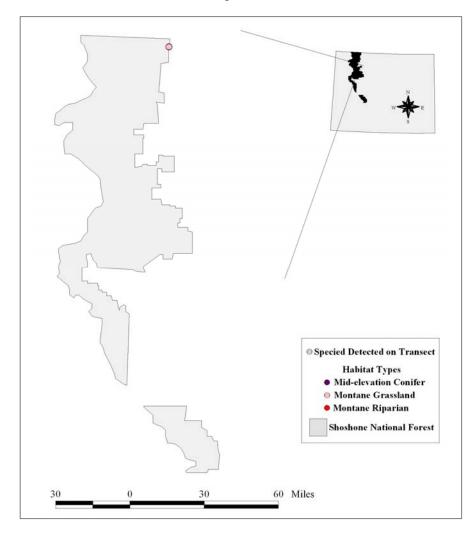
Distribution of **Chukar** detections on Shoshone National Forest transects during the 2002-2004 field seasons



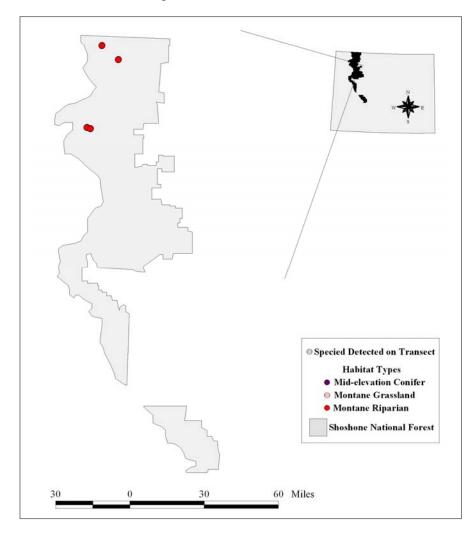
Distribution of **Ruffed Grouse** detections on Shoshone National Forest transects during the 2002-2004 field seasons



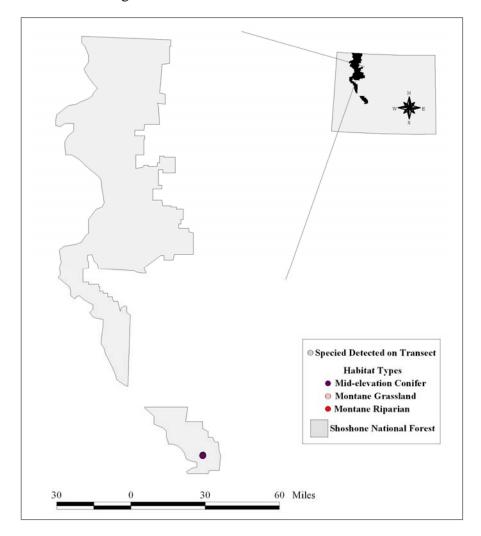
Distribution of **Greater Sage-Grouse** detections on Shoshone National Forest transects during the 2002-2004 field seasons



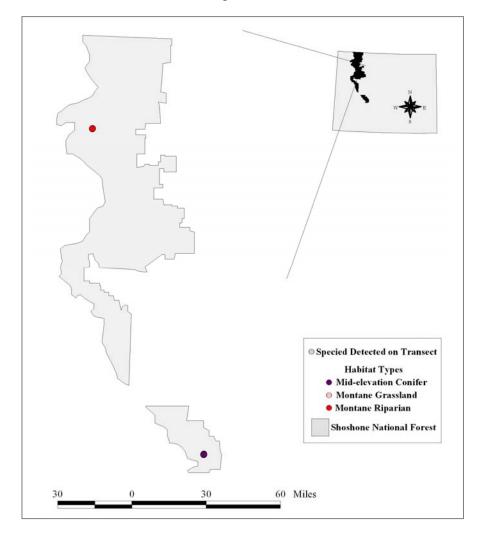
Distribution of **Blue Grouse** detections on Shoshone National Forest transects during the 2002-2004 field seasons



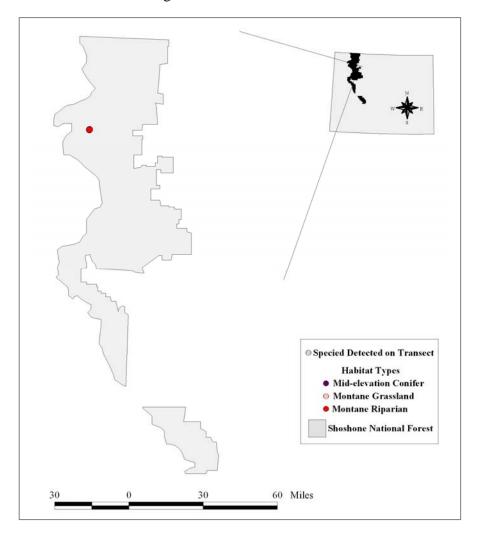
Distribution of **Osprey** detections on Shoshone National Forest transects during the 2002-2004 field seasons



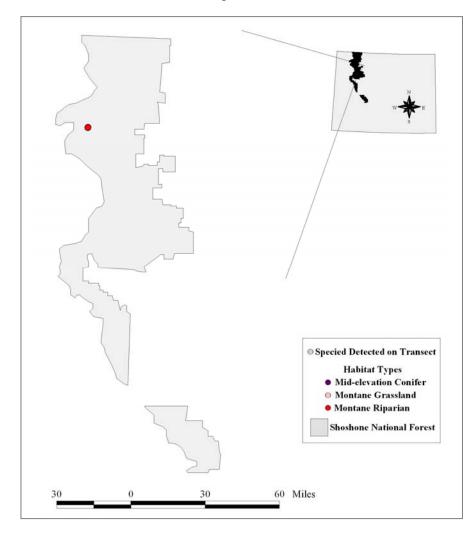
Distribution of **Sharp-shinned Hawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons



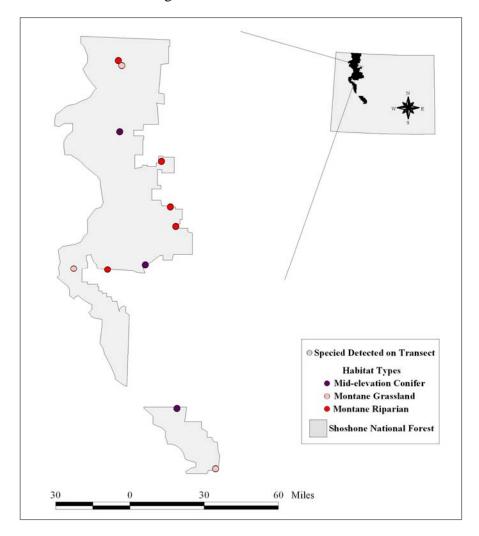
Distribution of **Cooper's Hawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons



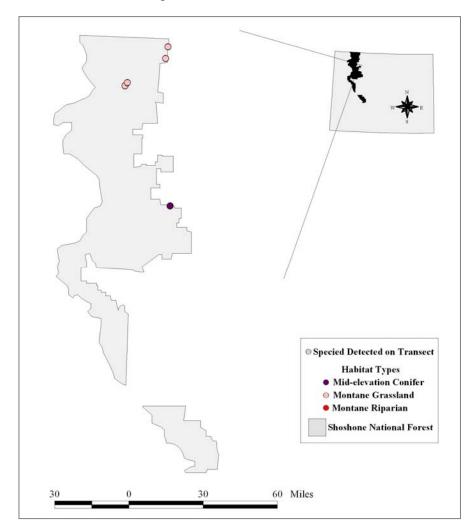
Distribution of **Northern Goshawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons



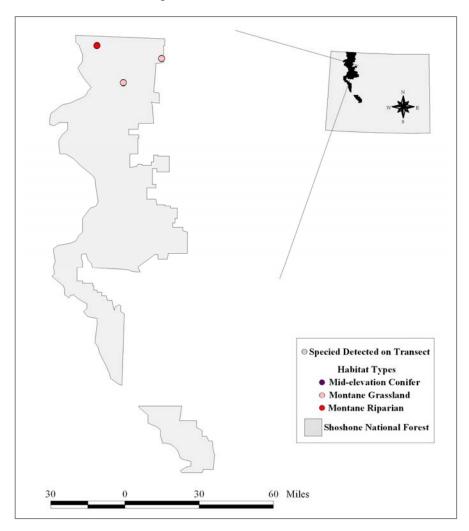
Distribution of **Red-tailed Hawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons



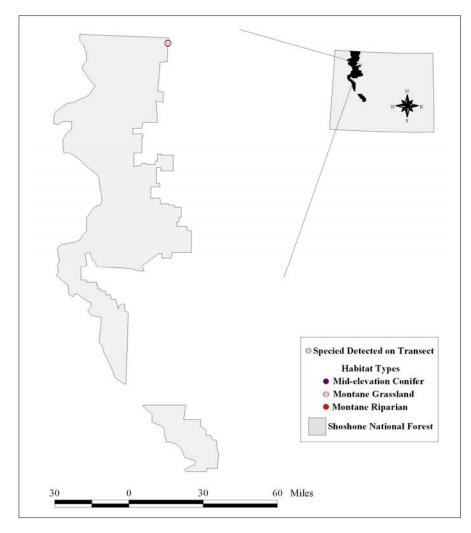
Distribution of **Golden Eagle** detections on Shoshone National Forest transects during the 2002-2004 field seasons



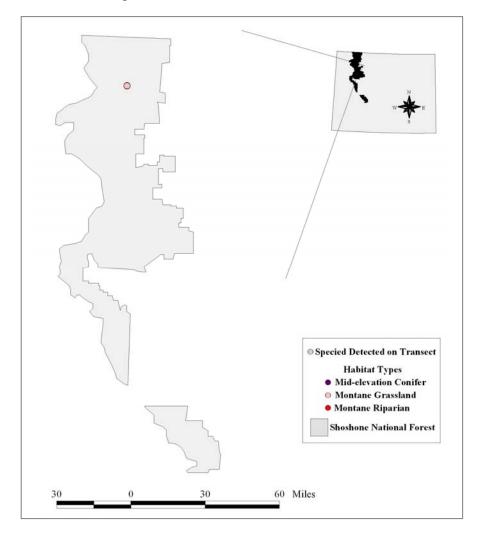
Distribution of **American Kestrel** detections on Shoshone National Forest transects during the 2002-2004 field seasons



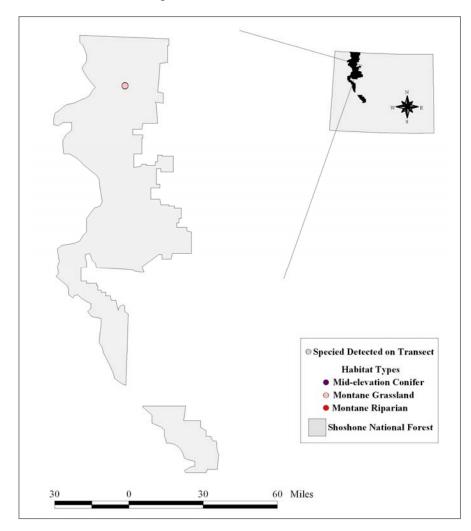
Distribution of **Prairie Falcon** detections on Shoshone National Forest transects during the 2002-2004 field seasons



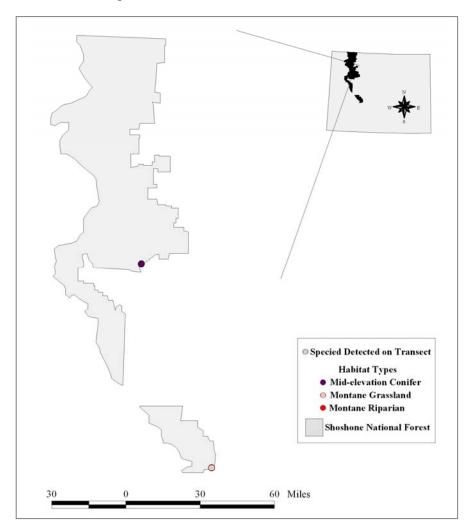
Distribution of **Sora** detections on Shoshone National Forest transects during the 2002-2004 field seasons



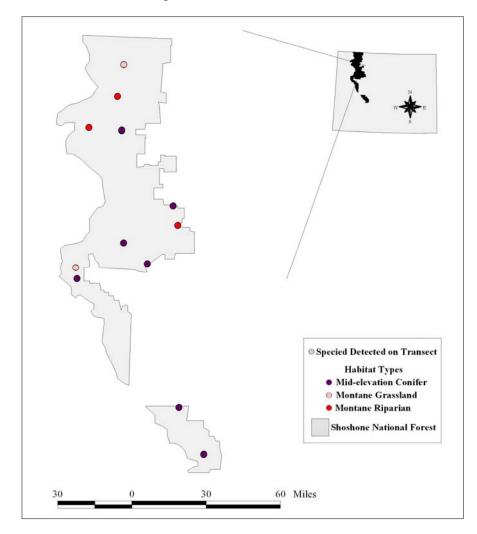
Distribution of **Sandhill Crane** detections on Shoshone National Forest transects during the 2002-2004 field seasons



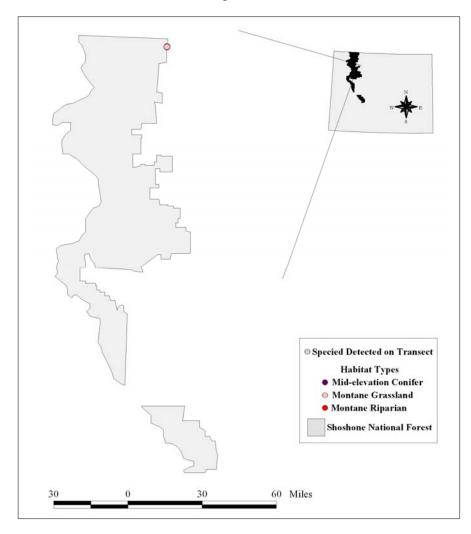
Distribution of **Killdeer** detections on Shoshone National Forest transects during the 2002-2004 field seasons



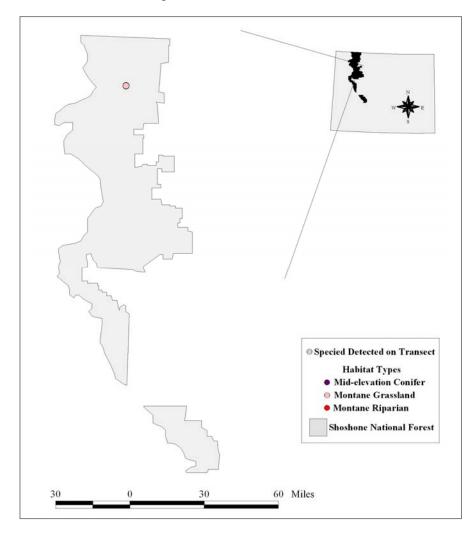
Distribution of **Spotted Sandpiper** detections on Shoshone National Forest transects during the 2002-2004 field seasons



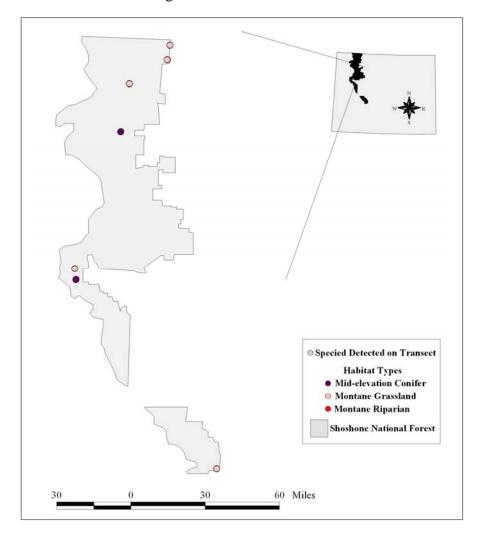
Distribution of **Long-billed Curlew** detections on Shoshone National Forest transects during the 2002-2004 field seasons



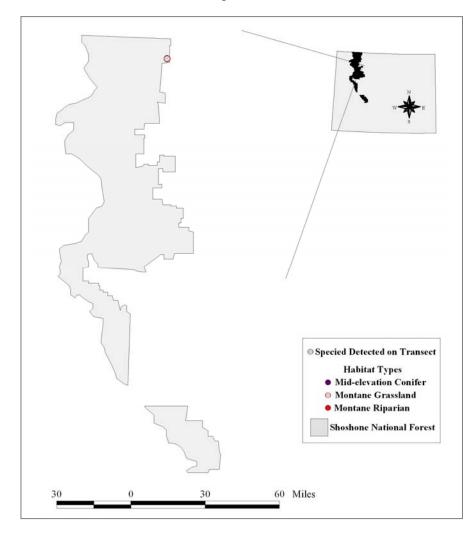
Distribution of **Wilson's Snipe** detections on Shoshone National Forest transects during the 2002-2004 field seasons



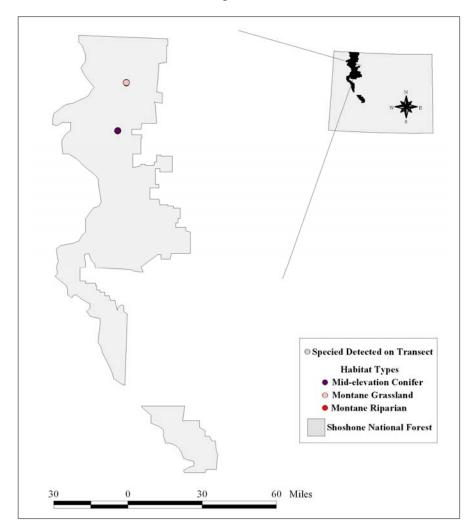
Distribution of **Mourning Dove** detections on Shoshone National Forest transects during the 2002-2004 field seasons



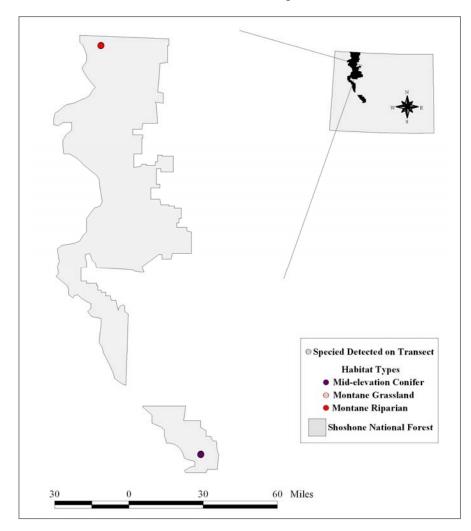
Distribution of **Common Nighthawk** detections on Shoshone National Forest transects during the 2002-2004 field seasons



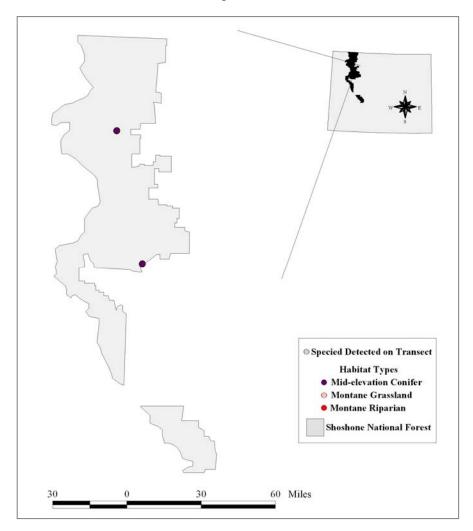
Distribution of **White-throated Swift** detections on Shoshone National Forest transects during the 2002-2004 field seasons



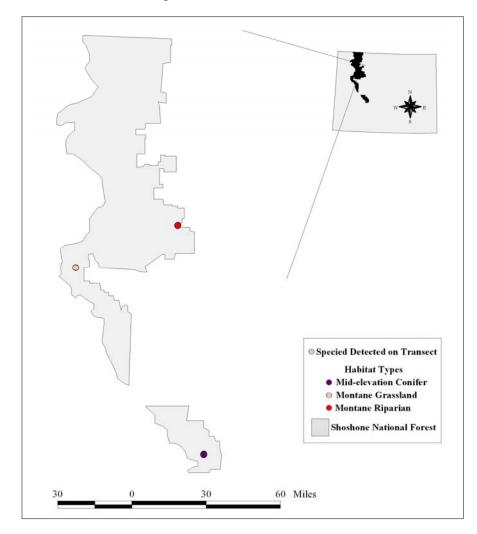
Distribution of **Broad-tailed Hummingbird** detections on Shoshone National Forest transects during the 2002-2004 field



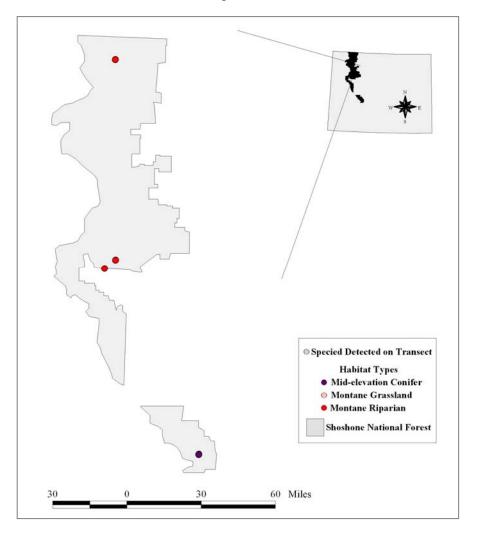
Distribution of **Rufous Hummingbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons



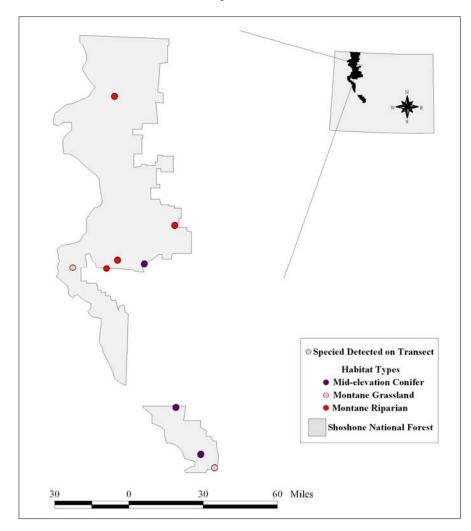
Distribution of **Belted Kingfisher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



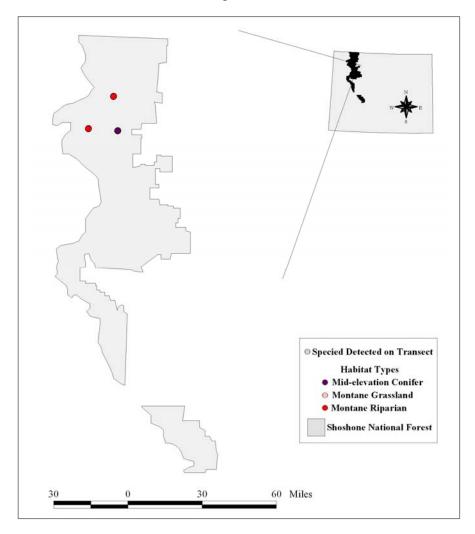
Distribution of **Williamson's Sapsucker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



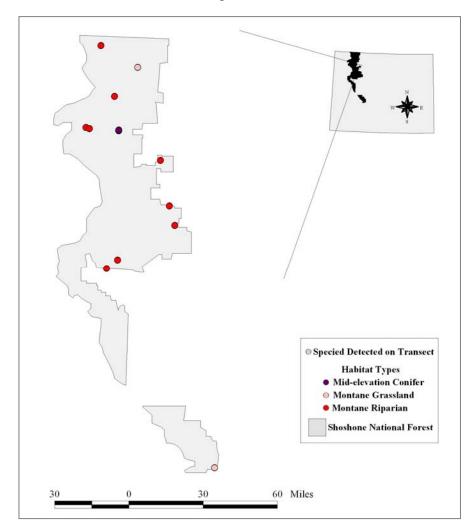
Distribution of **Red-naped Sapsucker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



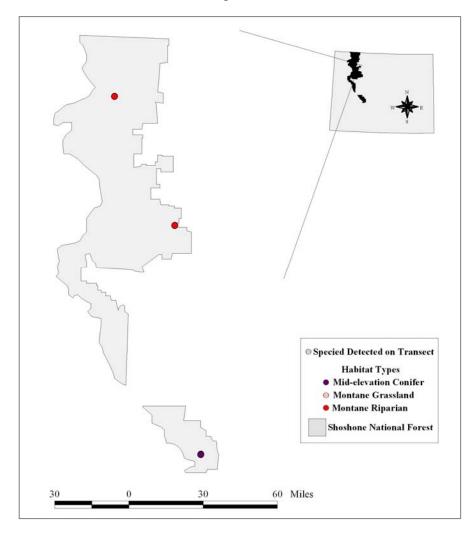
Distribution of **Downy Woodpecker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



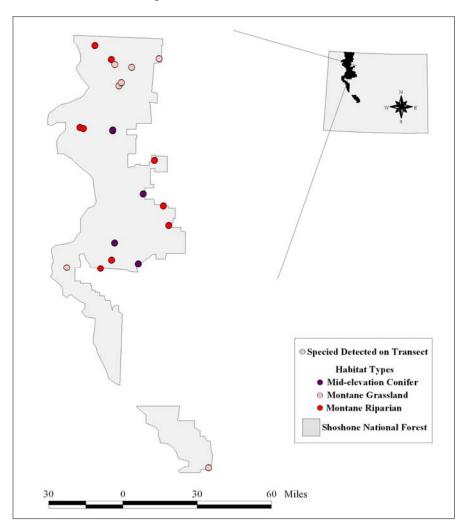
Distribution of **Hairy Woodpecker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



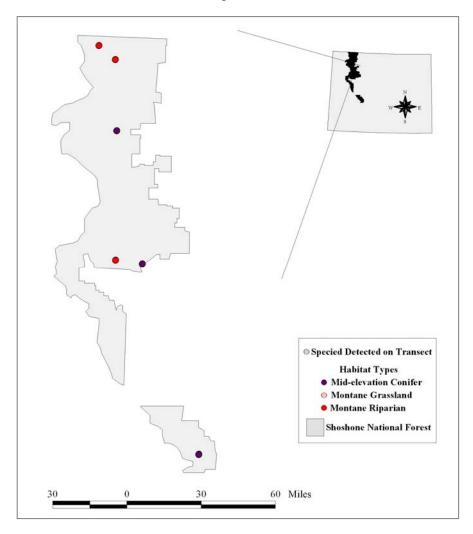
Distribution of **Three-toed Woodpecker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



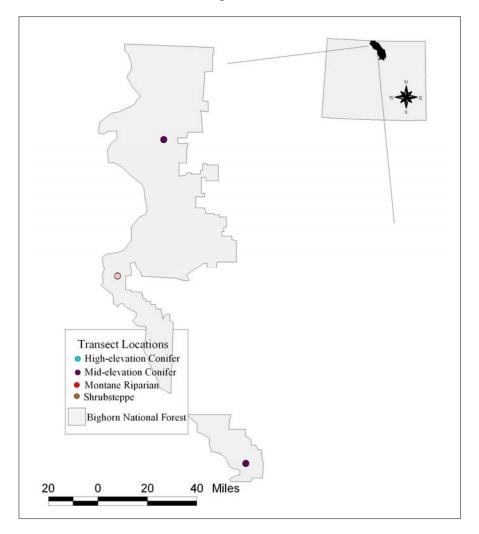
Distribution of **Northern Flicker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



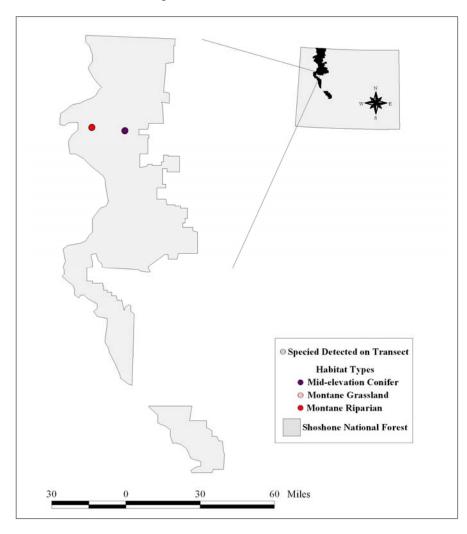
Distribution of **Olive-sided Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



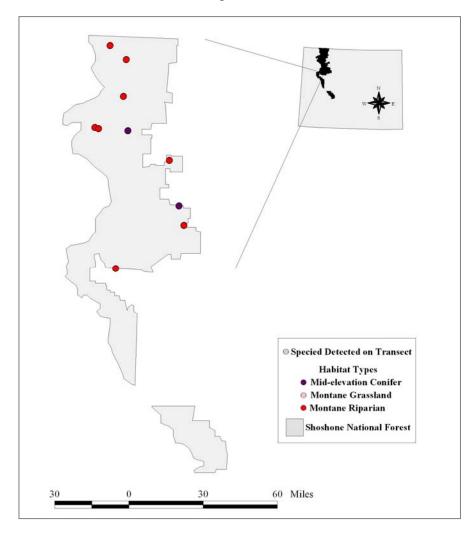
Distribution of **Western Wood-Pewee** detections on Shoshone National Forest transects during the 2002-2004 field seasons



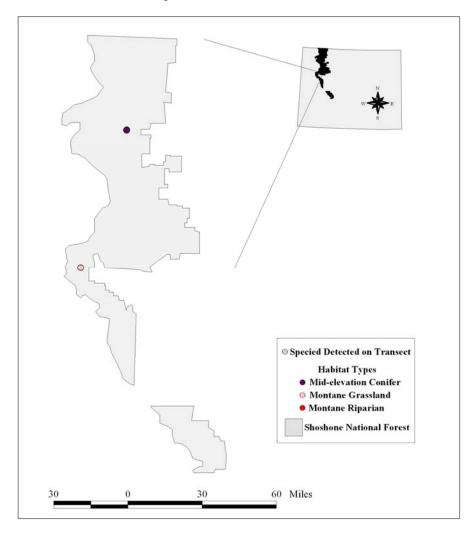
Distribution of **Least Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



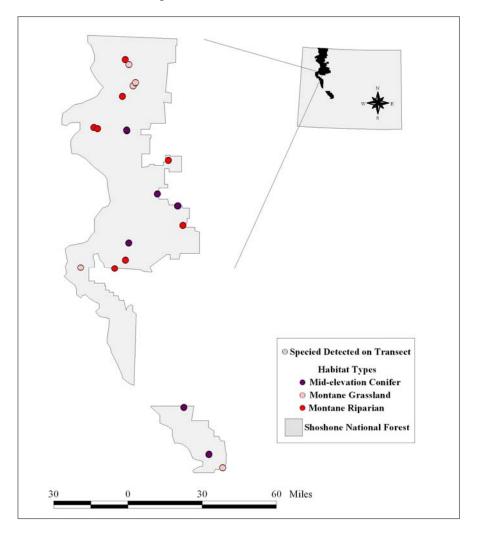
Distribution of **Hammond's Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



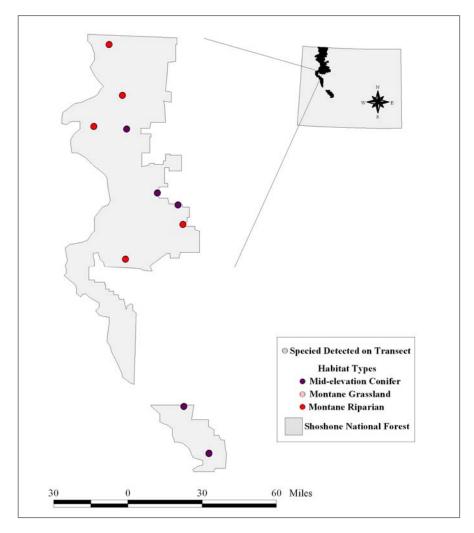
Distribution of **Gray Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



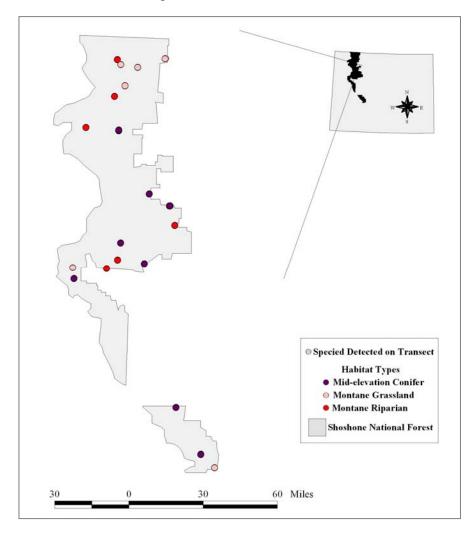
Distribution of **Dusky Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



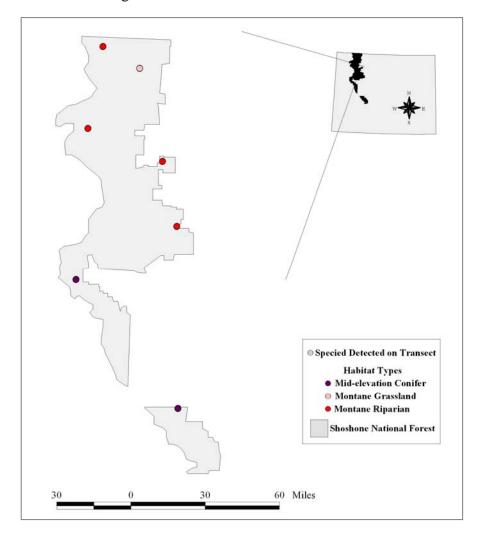
Distribution of **Cordilleran Flycatcher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



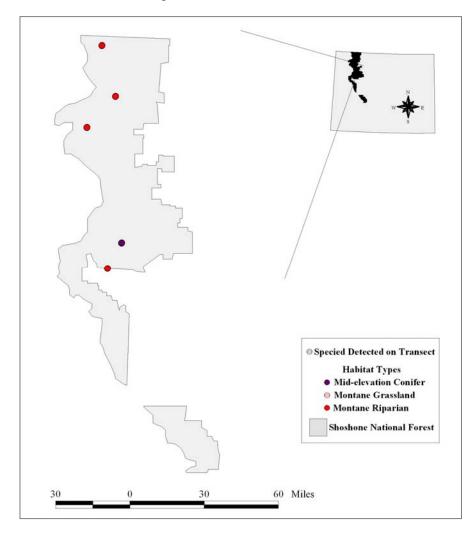
Distribution of **Warbling Vireo** detections on Shoshone National Forest transects during the 2002-2004 field seasons



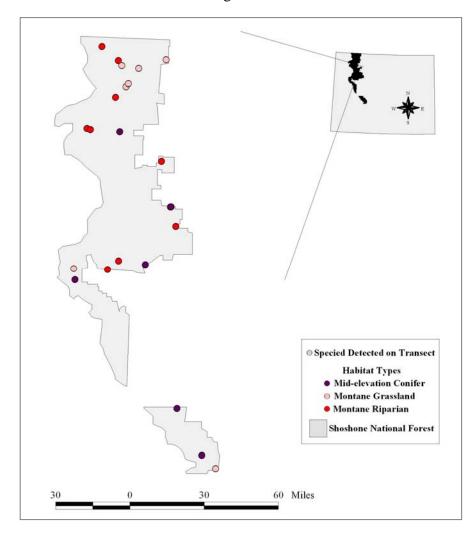
Distribution of **Gray Jay** detections on Shoshone National Forest transects during the 2002-2004 field seasons



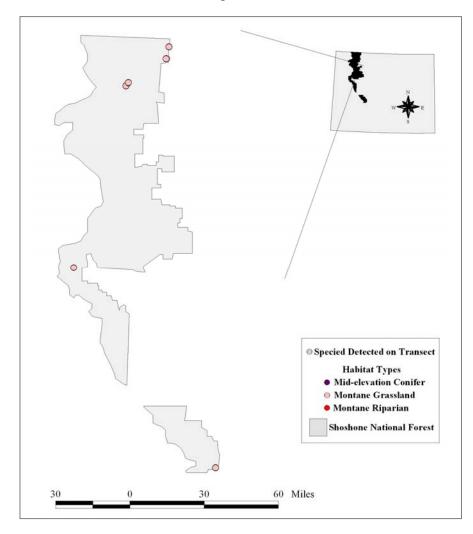
Distribution of **Steller's Jay** detections on Shoshone National Forest transects during the 2002-2004 field seasons



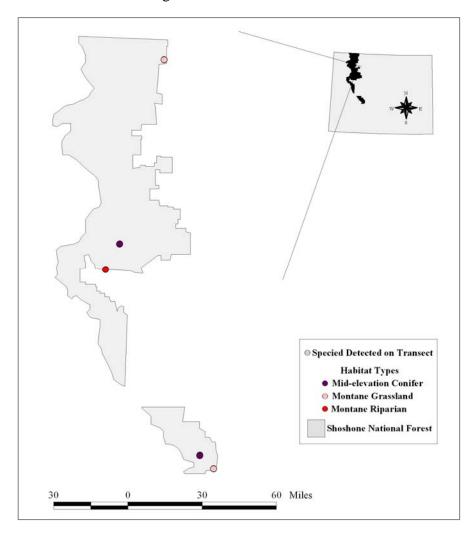
Distribution of **Clark's Nutcracker** detections on Shoshone National Forest transects during the 2002-2004 field seasons



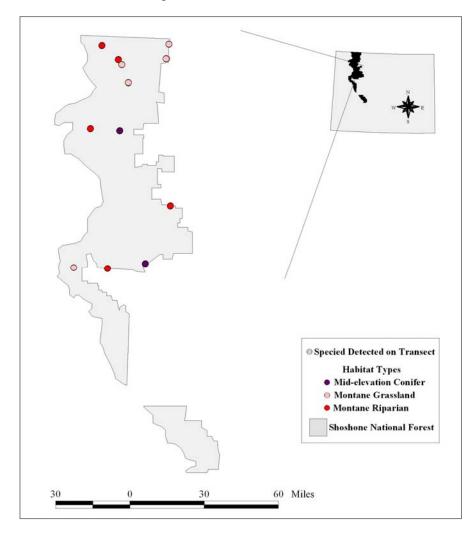
Distribution of **Black-billed Magpie** detections on Shoshone National Forest transects during the 2002-2004 field seasons



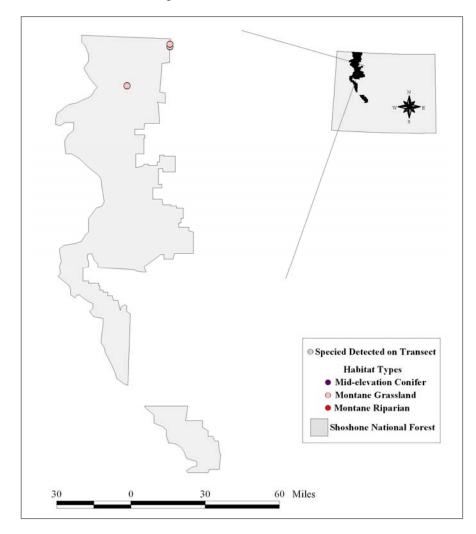
Distribution of **American Crow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



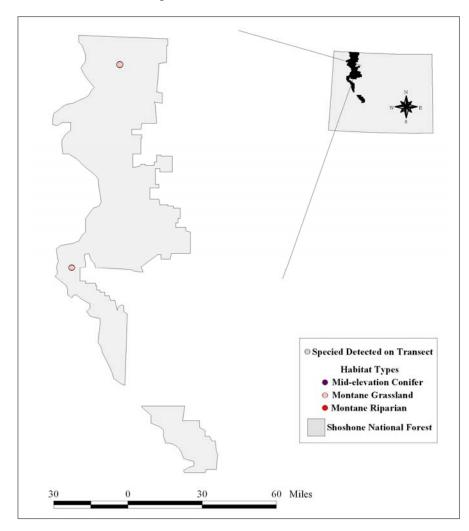
Distribution of **Common Raven** detections on Shoshone National Forest transects during the 2002-2004 field seasons



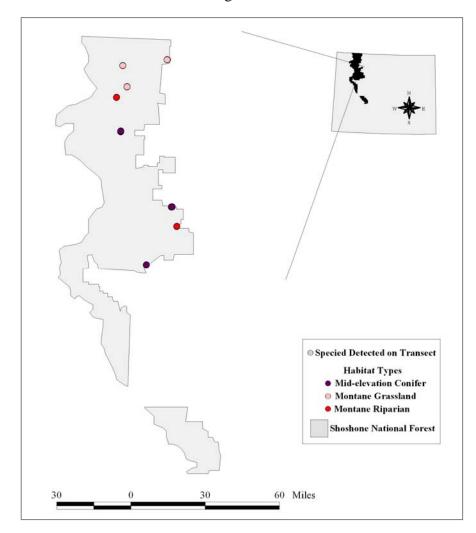
Distribution of **Horned Lark** detections on Shoshone National Forest transects during the 2002-2004 field seasons



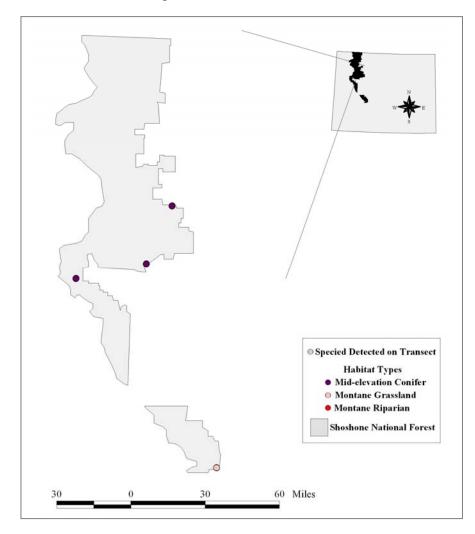
Distribution of **Tree Swallow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



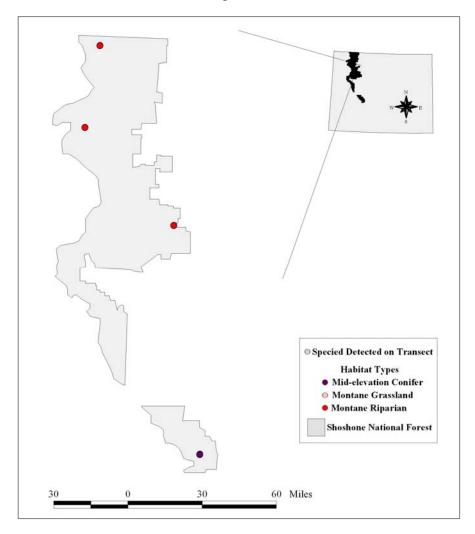
Distribution of **Violet-green Swallow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



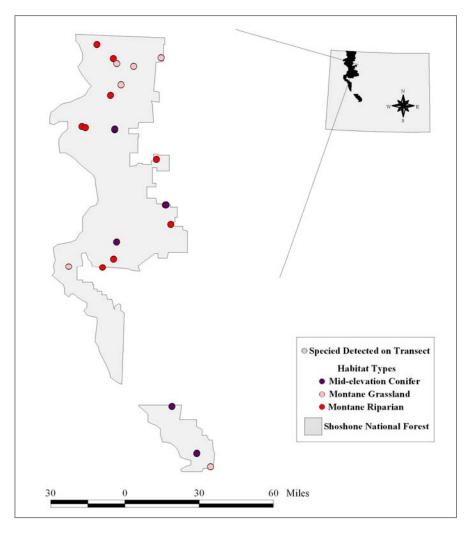
Distribution of **Cliff Swallow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



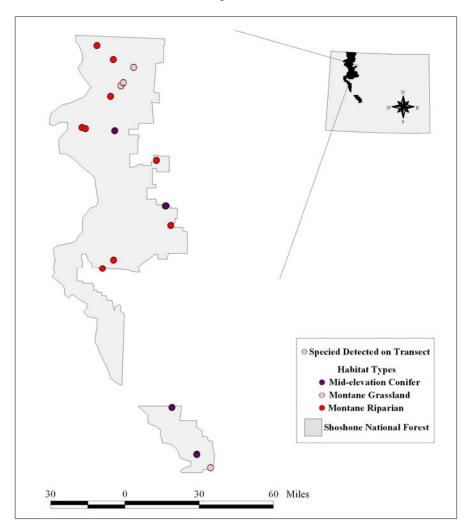
Distribution of **Black-capped Chickadee** detections on Shoshone National Forest transects during the 2002-2004 field seasons



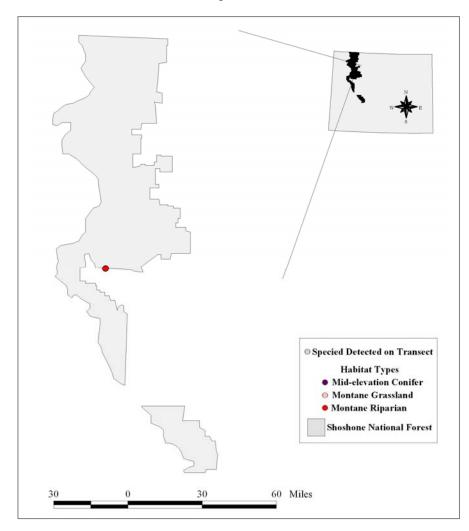
Distribution of **Mountain Chickadee** detections on Shoshone National Forest transects during the 2002-2004 field seasons



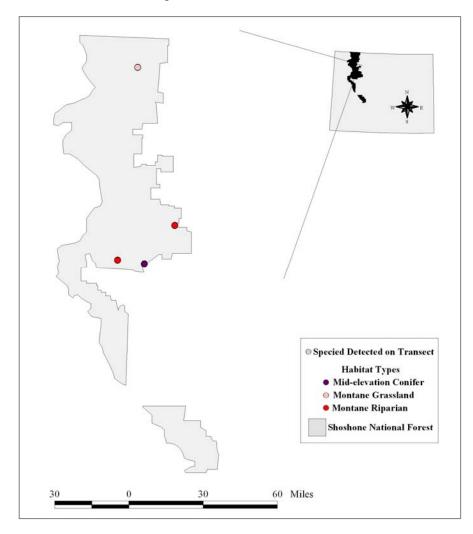
Distribution of **Red-breasted Nuthatch** detections on Shoshone National Forest transects during the 2002-2004 field seasons



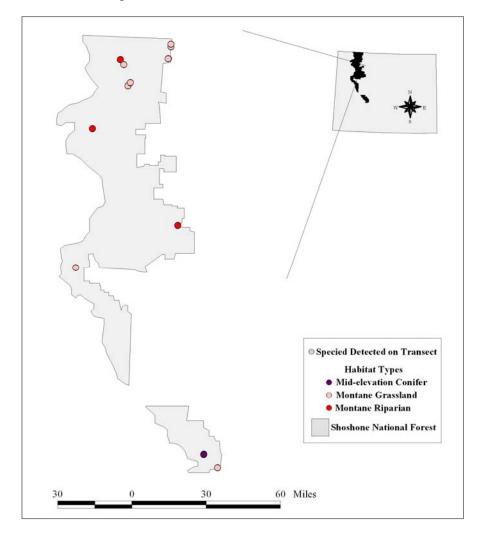
Distribution of **White-breasted Nuthatch** detections on Shoshone National Forest transects during the 2002-2004 field seasons



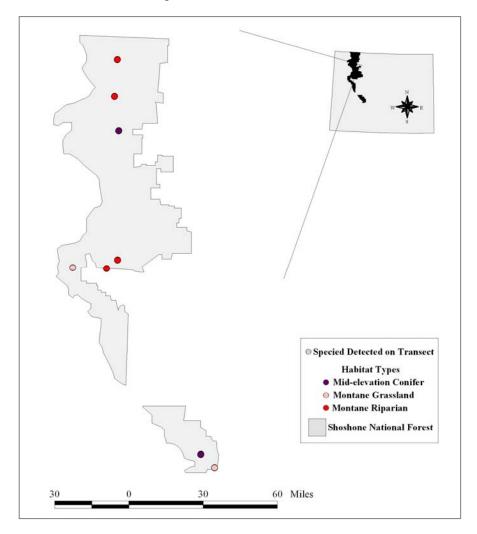
Distribution of **Brown Creeper** detections on Shoshone National Forest transects during the 2002-2004 field seasons



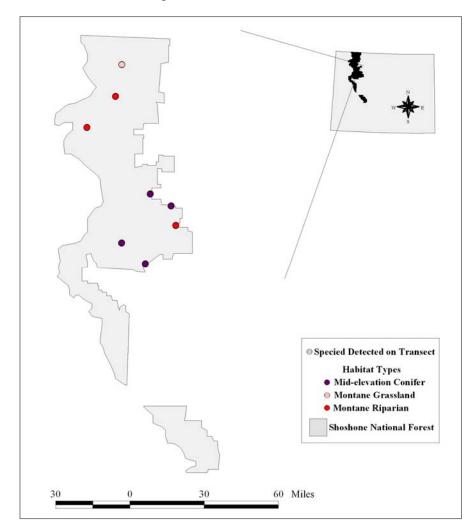
Distribution of **Rock Wren** detections on Shoshone National Forest transects during the 2002-2004 field seasons



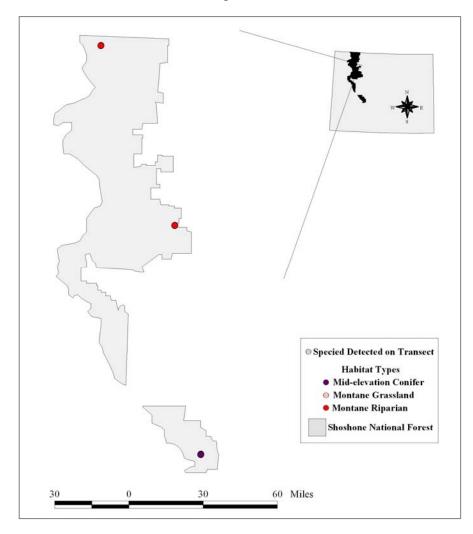
Distribution of **House Wren** detections on Shoshone National Forest transects during the 2002-2004 field seasons



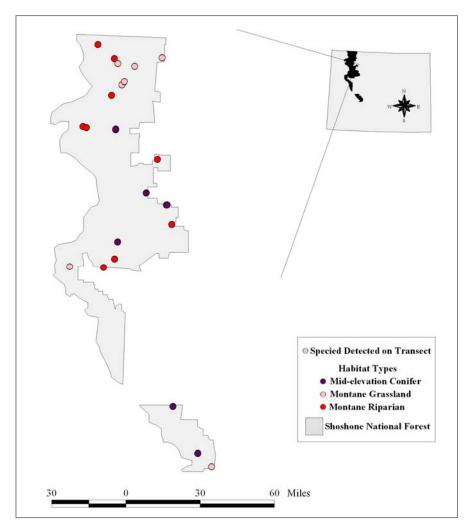
Distribution of **American Dipper** detections on Shoshone National Forest transects during the 2002-2004 field seasons



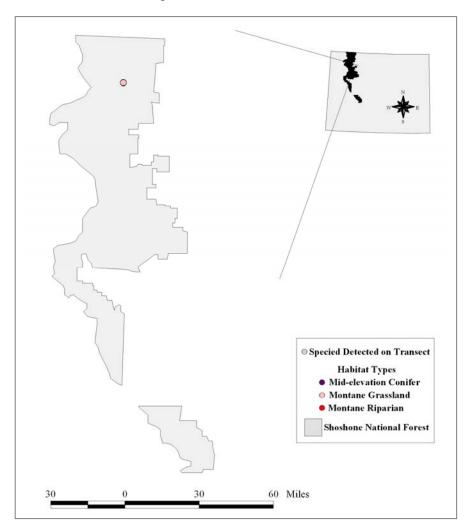
Distribution of **Golden-crowned Kinglet** detections on Shoshone National Forest transects during the 2002-2004 field seasons



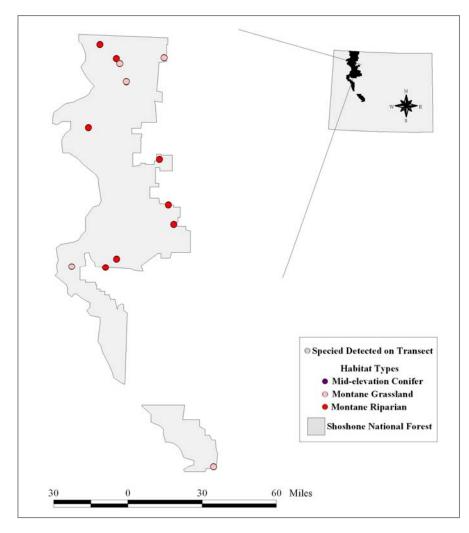
Distribution of **Ruby-crowned Kinglet** detections on Shoshone National Forest transects during the 2002-2004 field seasons



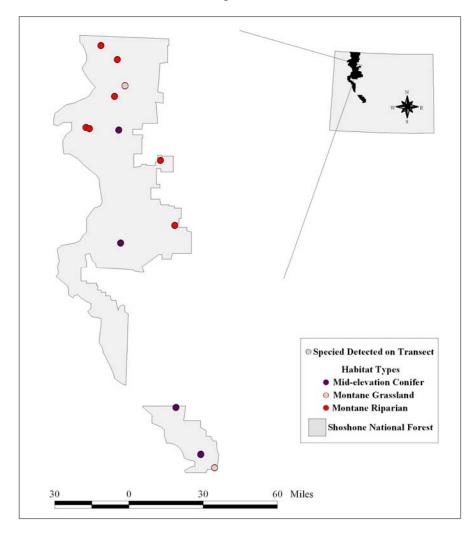
Distribution of **Western Bluebird** detections on Shoshone National Forest transects during the 2002-2004 field seasons



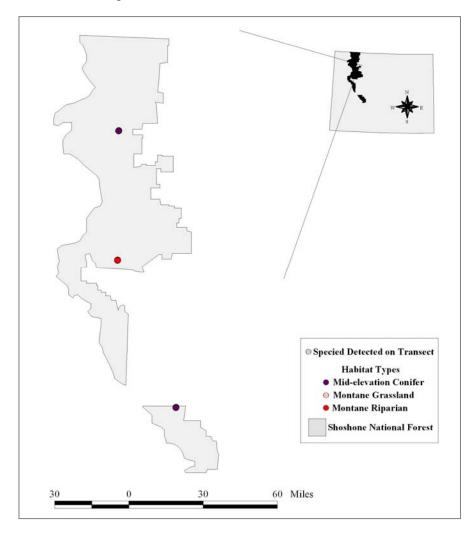
Distribution of **Mountain Bluebird** detections on Shoshone National Forest transects during the 2002-2004 field seasons



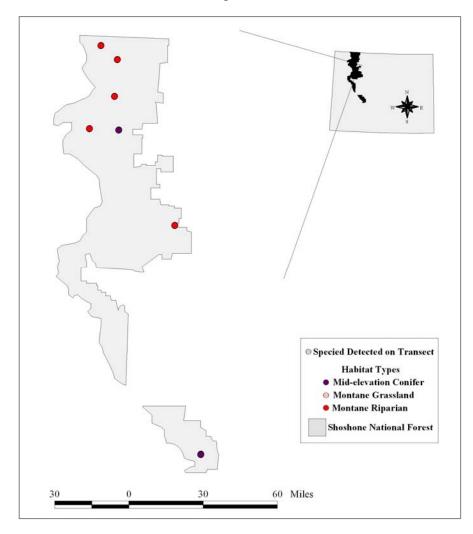
Distribution of **Townsend's Solitaire** detections on Shoshone National Forest transects during the 2002-2004 field seasons



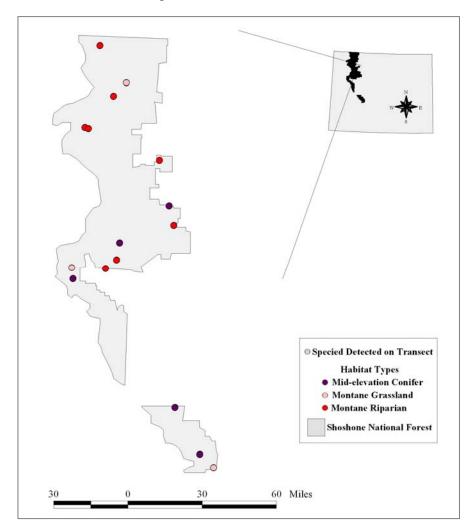
Distribution of **Veery** detections on Shoshone National Forest transects during the 2002-2004 field seasons



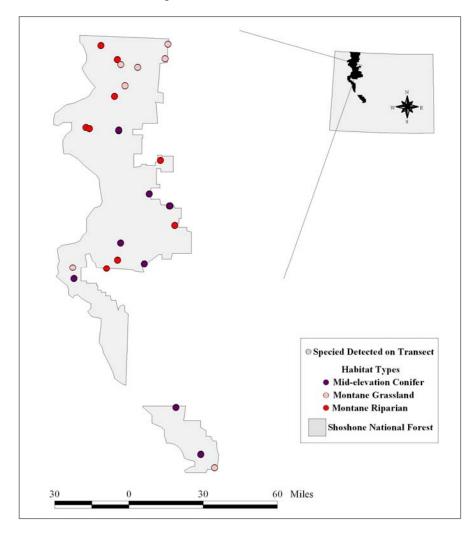
Distribution of **Swainson's Thrush** detections on Shoshone National Forest transects during the 2002-2004 field seasons



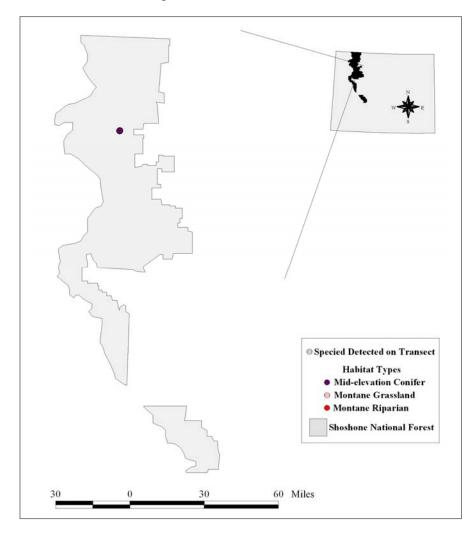
Distribution of **Hermit Thrush** detections on Shoshone National Forest transects during the 2002-2004 field seasons



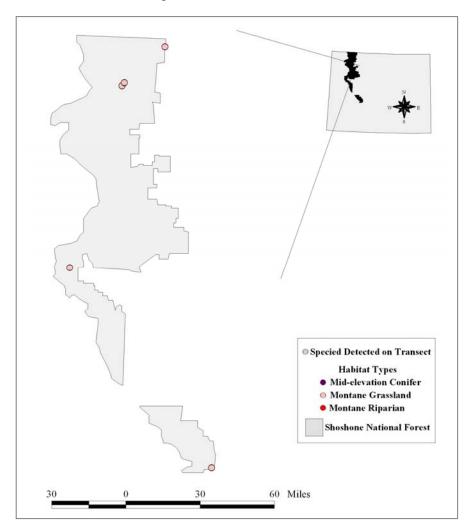
Distribution of **American Robin** detections on Shoshone National Forest transects during the 2002-2004 field seasons



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



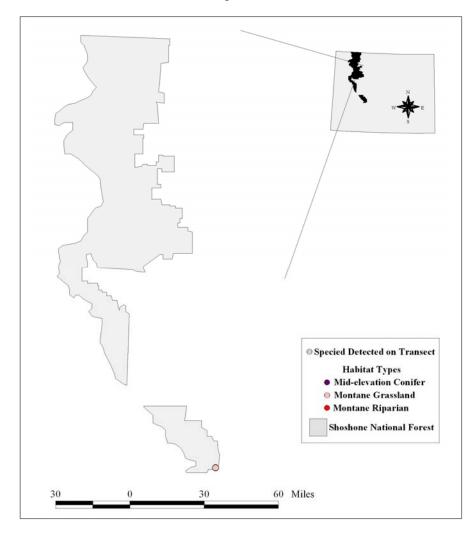
Distribution of **Sage Thrasher** detections on Shoshone National Forest transects during the 2002-2004 field seasons



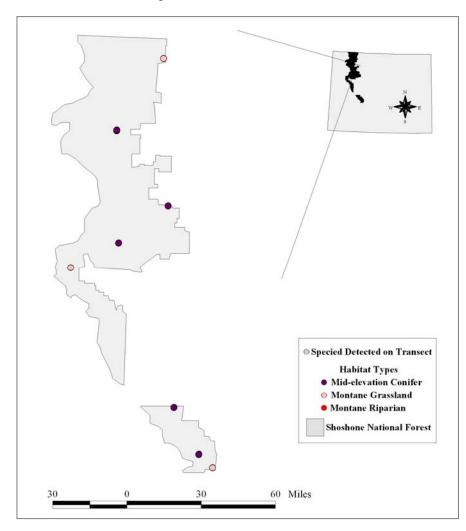
Distribution of **American Pipit** detections on Shoshone National Forest transects during the 2002-2004 field seasons



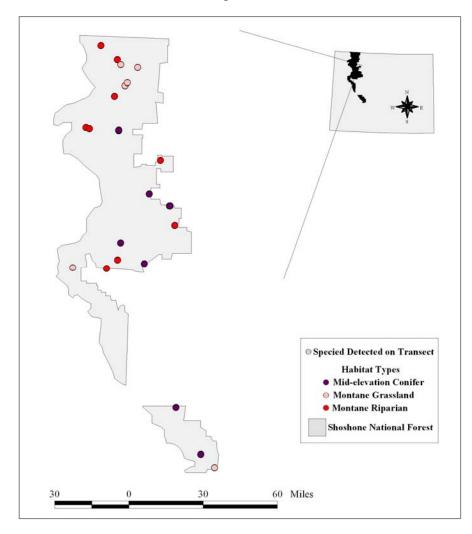
Distribution of **Orange-crowned Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons



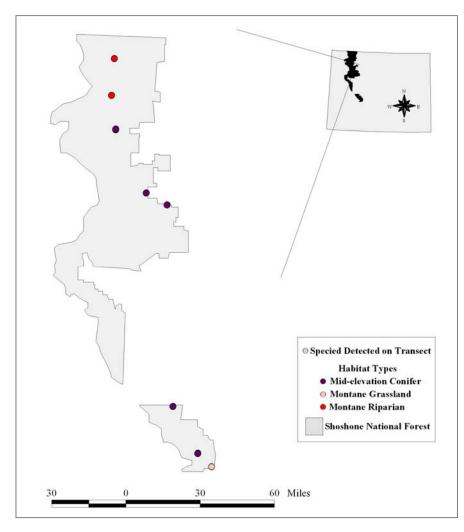
Distribution of **Yellow Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons



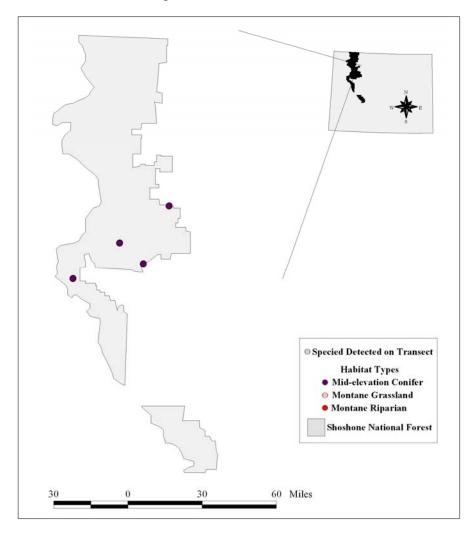
Distribution of **Yellow-rumped Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons



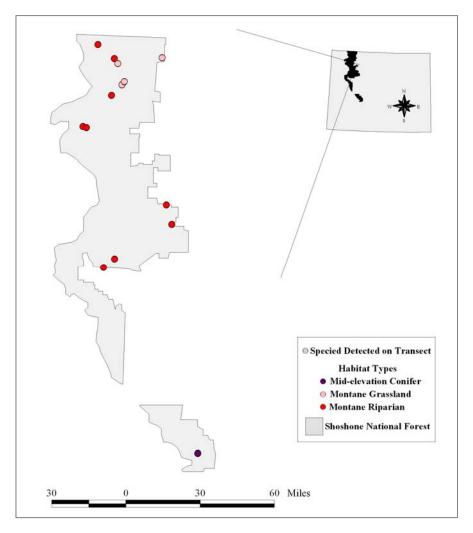
Distribution of **MacGillivray's Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons



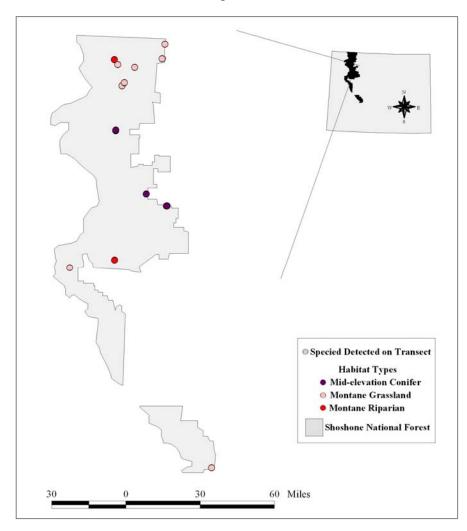
Distribution of **Wilson's Warbler** detections on Shoshone National Forest transects during the 2002-2004 field seasons



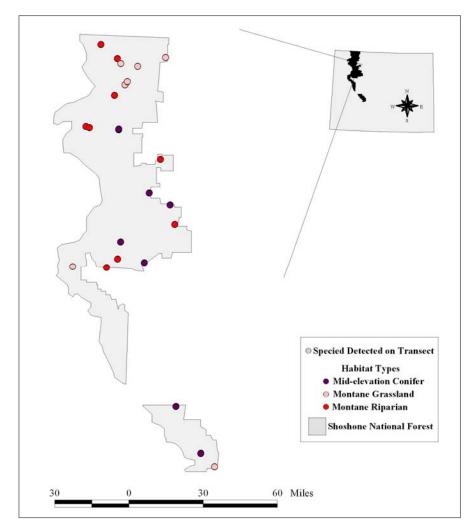
Distribution of **Western Tanager** detections on Shoshone National Forest transects during the 2002-2004 field seasons



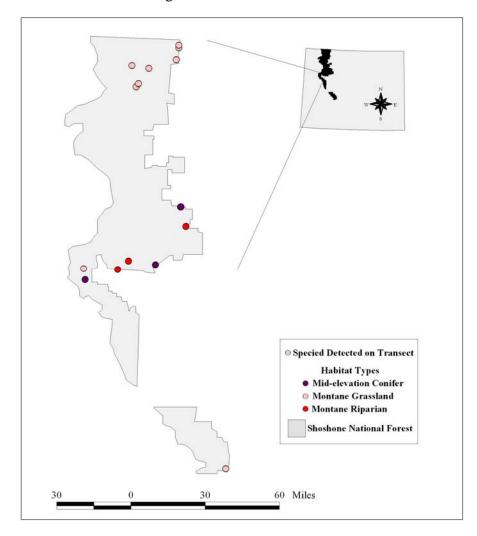
Distribution of **Green-tailed Towhee** detections on Shoshone National Forest transects during the 2002-2004 field seasons



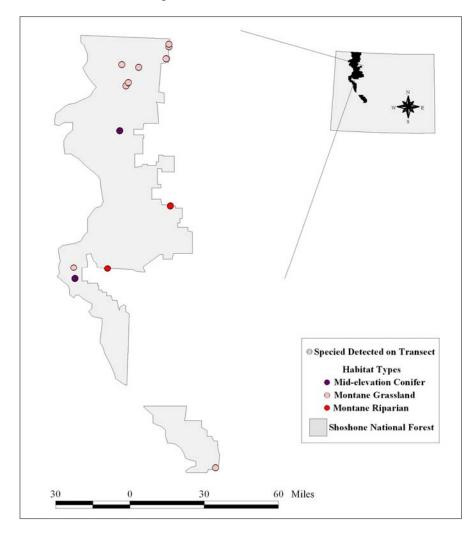
Distribution of **Chipping Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



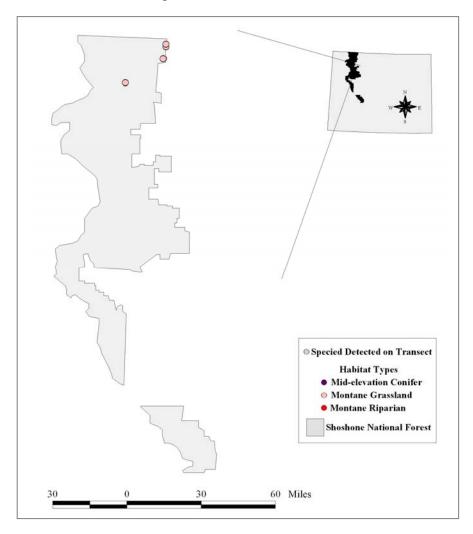
Distribution of **Brewer's Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



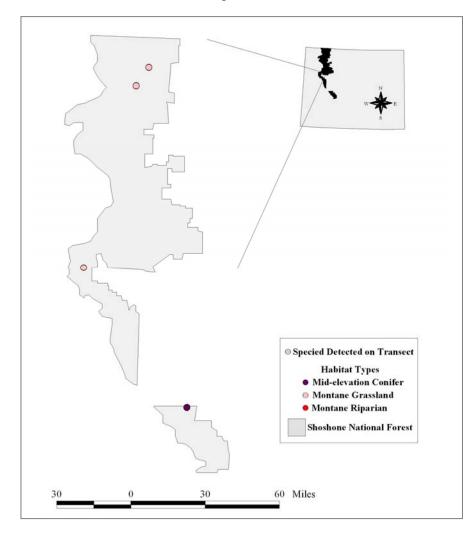
Distribution of **Vesper Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



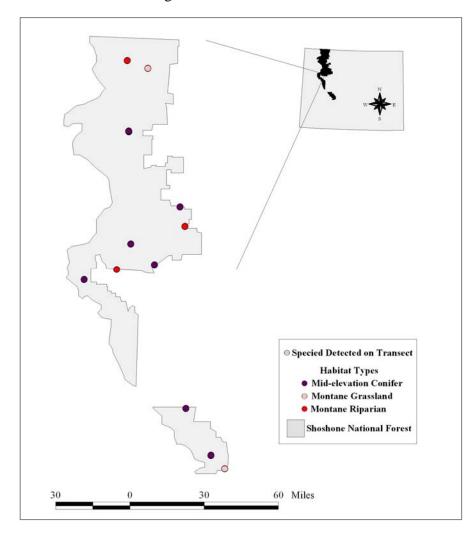
Distribution of **Lark Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



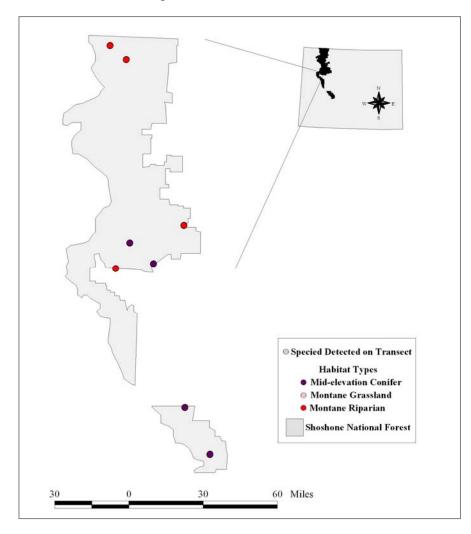
Distribution of **Savannah Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



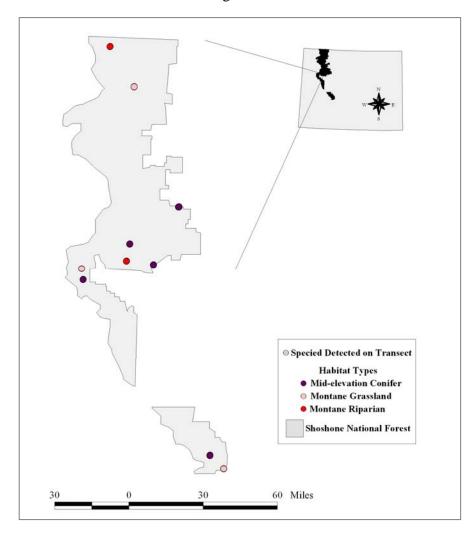
Distribution of **Song Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



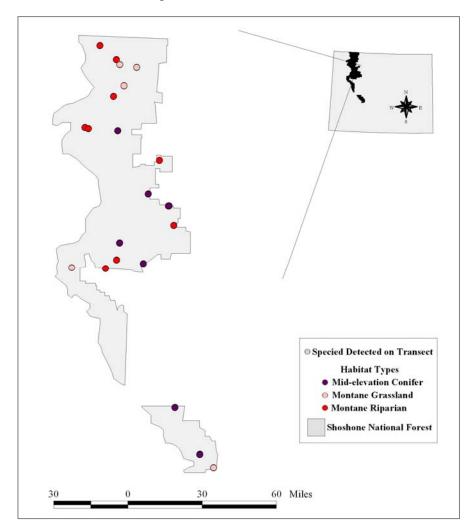
Distribution of **Lincoln's Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



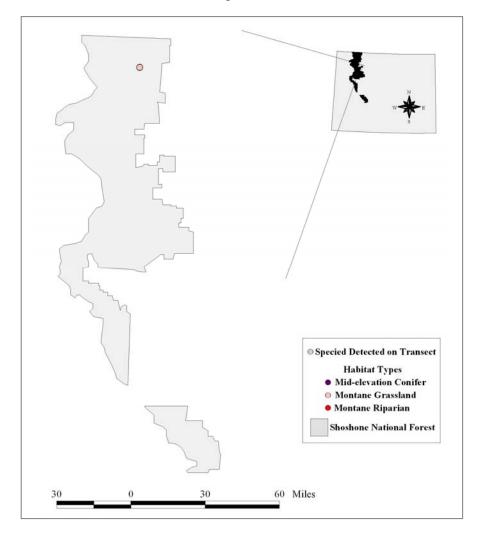
Distribution of **White-crowned Sparrow** detections on Shoshone National Forest transects during the 2002-2004 field seasons



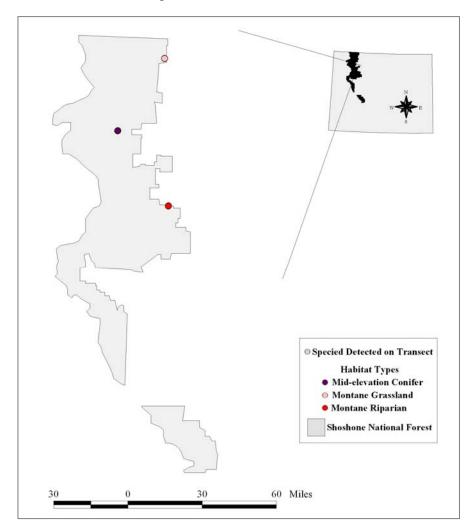
Distribution of **Dark-eyed Junco** detections on Shoshone National Forest transects during the 2002-2004 field seasons



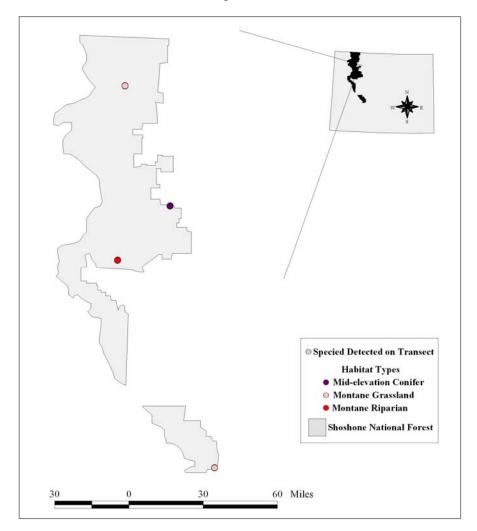
Distribution of **Black-headed Grosbeak** detections on Shoshone National Forest transects during the 2002-2004 field seasons



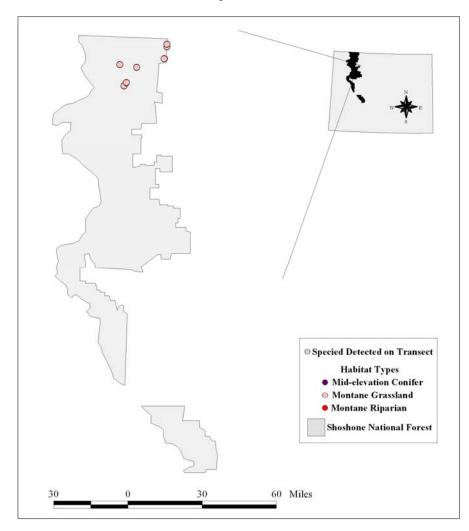
Distribution of **Lazuli Buinting** detections on Shoshone National Forest transects during the 2002-2004 field seasons



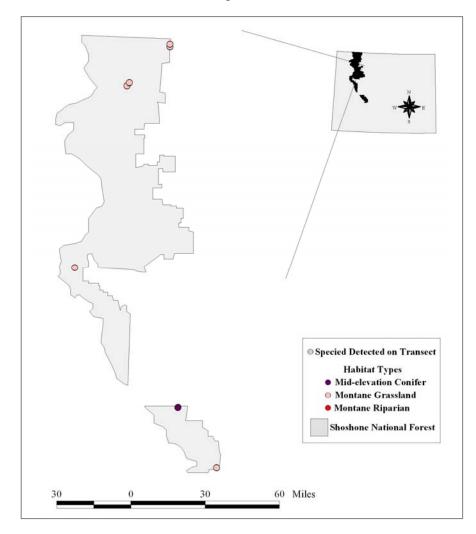
Distribution of **Red-winged Blackbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons



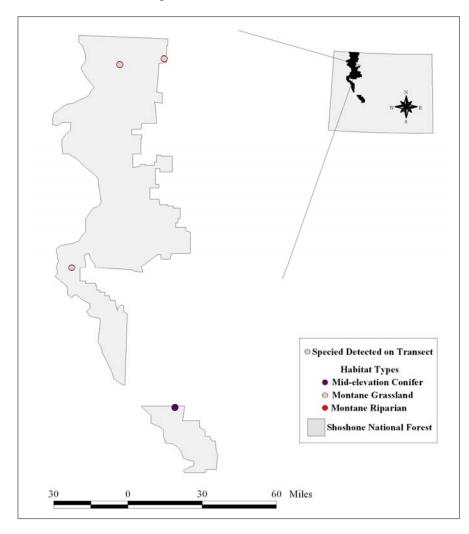
Distribution of **Western Meadowlark** detections on Shoshone National Forest transects during the 2002-2004 field seasons



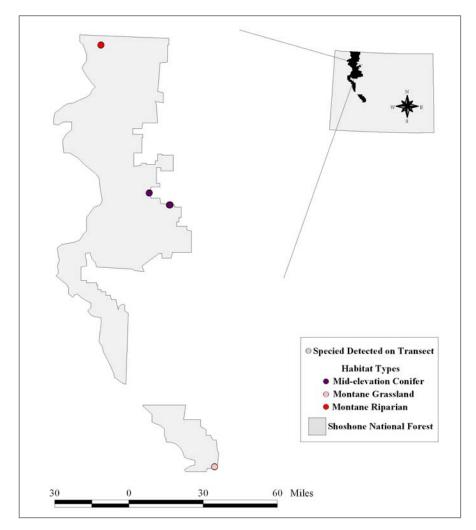
Distribution of **Brewer's Blackbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons



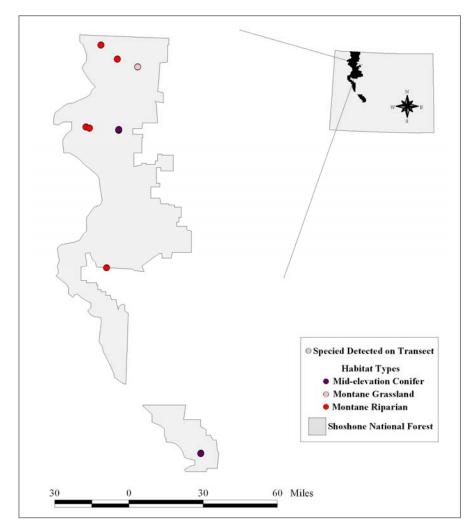
Distribution of **Common Grackle** detections on Shoshone National Forest transects during the 2002-2004 field seasons



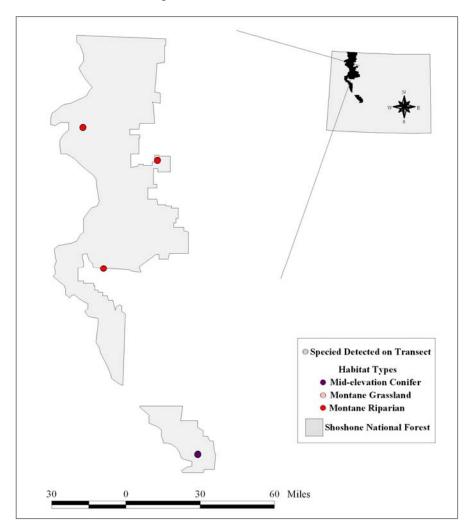
Distribution of **Brown-headed Cowbird** detections on Shoshone National Forest transects during the 2002-2004 field seasons



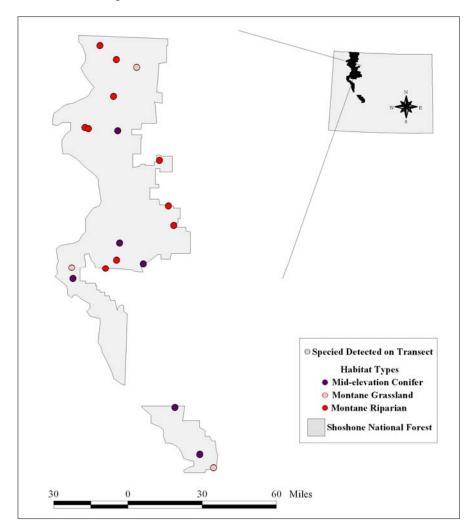
Distribution of **Cassin's Finch** detections on Shoshone National Forest transects during the 2002-2004 field seasons



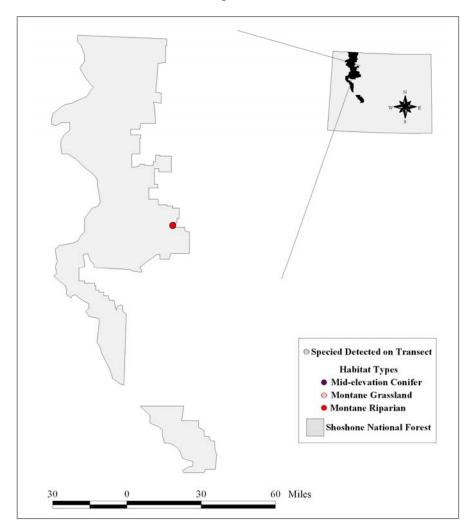
Distribution of **Red Crossbill** detections on Shoshone National Forest transects during the 2002-2004 field seasons



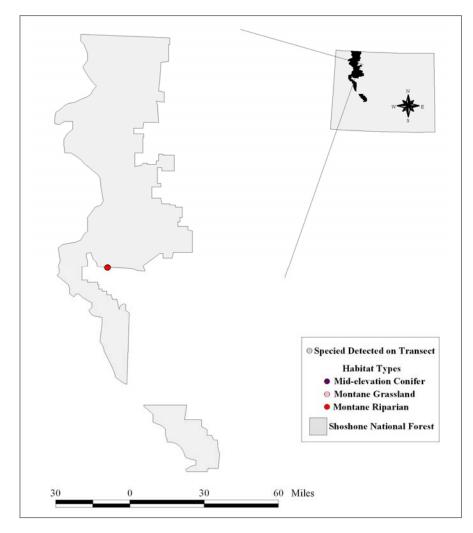
Distribution of **Pine Siskin** detections on Shoshone National Forest transects during the 2002-2004 field seasons



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



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

