



2016 Landbird Monitoring Missouri National Recreation River



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The tufted titmouse lives in deciduous forest, typically in areas with dense canopy and many tree species. In Nebraska they appear to be associated with Oak/Hickory forests. They hoard food in fall and winter like their relatives the chickadees, and will take advantage of a bird feeders bounty. 2016 was the first year this species was recorded at the park.

Locations of the 17 grids surveyed at Missouri National Recreation River during the 2016 field season (purple squares). Note: Map marker size is exaggerated by 4x.

Overview

The Missouri National Recreation River (NRR) is comprised of two free-flowing portions of the river along the Nebraska-South Dakota border. The lands surrounding these river corridors support a broad diversity of ecosystems, ranging from wetlands and sand bars to cottonwood and bur oak woodlands as well as native prairie and grasslands. These diverse habitats support an equally diverse community of birds, including the endangered interior least tern and the threatened piping plover.

The Northern Great Plains Inventory and Monitoring Network (NGPN) developed a long-term bird monitoring protocol jointly with Bird Conservancy of the Rockies (formerly Rocky Mountain Bird Observatory) and three other Inventory and Monitoring Networks (Sonoran Desert, Chihuahuan Desert, and

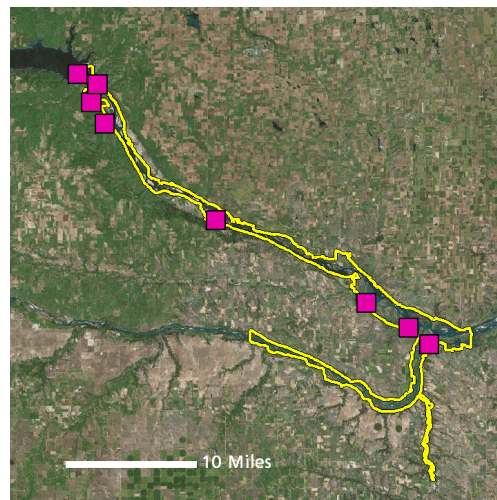
Southern Plains). The 2016 breeding season was the second year of surveys for Missouri National Recreational River.

The Bird Conservancy surveyed 17 grids and 146 points in 2016. A total of 3,152 birds representing 97 species were recorded at Missouri NRR.

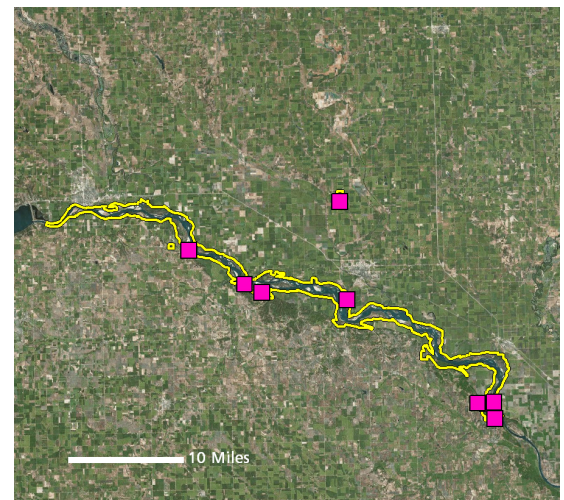
Highlights

The most common species detected was the house wren with 8% of the species composition. Other common species included the mourning dove (6%), dickcissel (6%), and the red-winged blackbird (4%). Non-native species included the house finch, European starling, and ring-necked pheasant. Many new species were recorded at the park for the first time this year including four species that will be added to the park list. They are the hooded warbler, Louisiana waterthrush, tufted titmouse, and western wood-pewee.

MNRR from 39 mile boundary



MNRR from 59 mile boundary



Results of bird surveys at Missouri National Recreation River

* **Names of species of Importance are bold.** These were determined using priority lists from Partners in Flight and the States of Nebraska and South Dakota.

Common Name	2015	2016
American Bittern*	1	0
American Crow	24	59
American Goldfinch	105	84
American Kestrel	1	0
American Redstart	34	31
American Robin	126	107
Bald Eagle*	5	6
Baltimore Oriole	31	61
Bank Swallow*	4	60
Barn Swallow	35	23
Bell's Vireo*	11	13
Belted Kingfisher	1	0
Black-billed Cuckoo*	3	3
Black-capped Chickadee	55	60
Blue Grosbeak	5	8
Blue Jay	52	85
Blue-gray Gnatcatcher*	4	15
Blue-winged Teal	0	1
Bobolink*	15	17
Brewer's Blackbird*	5	0
Broad-winged Hawk	0	1
Brown Thrasher*	21	18
Brown-headed Cowbird	76	99
Bullock's Oriole*	2	0
Canada Goose	6	58
Carolina Wren	9	0
Cedar Waxwing	43	32
Chimney Swift*	6	11
Chipping Sparrow	35	33
Cliff Swallow	68	29
Common Grackle	34	40
Common Loon	1	0
Common Nighthawk*	1	1
Common Yellowthroat	60	59
Cooper's Hawk	0	1
Dickcissel*	104	174
Double-crested Cormorant	1	0

Common Name	2015	2016
Downy Woodpecker	14	21
Eastern Bluebird	10	13
Eastern Kingbird*	28	55
Eastern Phoebe	3	4
Eastern Towhee*	11	3
Eastern Whip-poor-will	0	3
Eastern Wood-Pewee*	44	75
Eurasian Collared-Dove	1	0
European Starling	11	6
Field Sparrow*	51	61
Fish Crow	0	4
Grasshopper Sparrow*	4	13
Gray Catbird	25	37
Great Blue Heron	2	2
Great Crested Flycatcher	14	42
Great Horned Owl	1	0
Green Heron	1	1
Hairy Woodpecker	15	14
Hooded Warbler	0	1
House Finch	14	4
House Sparrow	3	0
House Wren	204	250
Indigo Bunting	27	31
Killdeer	16	12
Lark Sparrow	5	4
Least Flycatcher	1	2
Least Tern	3	5
Louisiana Waterthrush	0	1
Mallard	0	1
Marsh Wren*	19	0
Mourning Dove*	203	197
Northern Bobwhite	0	2
Northern Cardinal	40	52
Northern Flicker	24	28
N. Rough-winged Swallow	15	12
Orchard Oriole	28	42
Osprey*	0	1

Common Name	2015	2016
Ovenbird*	13	21
Piping Plover*	0	3
Red-bellied Woodpecker	36	52
Red-eyed Vireo	27	66
Red-headed Woodpecker*	26	34
Red-tailed Hawk	1	3
Red-winged Blackbird	211	134
Ring-necked Pheasant*	45	55
Rock Pigeon	3	0
Rose-breasted Grosbeak*	56	75
Ruby-throated Hummingbird*	1	2
Scarlet Tanager	4	27
Sedge Wren*	3	12
Song Sparrow	50	30
Spotted Sandpiper	1	1
Spotted Towhee	31	59
Summer Tanager	1	0
Swainson's Thrush	0	1
Tree Swallow	21	14
Tufted Titmouse	0	1
Turkey Vulture	3	18
Vesper Sparrow*	1	0
Virginia Rail*	0	1
Warbling Vireo	60	62
Western Kingbird	1	3
Western Meadowlark*	27	31
Western Wood-Pewee	0	2
White-breasted Nuthatch	64	51
Wild Turkey	10	9
Willow Flycatcher	4	9
Wood Duck	1	6
Wood Thrush	9	25
Yellow Warbler	78	110
Yellow-billed Cuckoo*	8	26
Yellow-breasted Chat*	3	11
Yellow-headed Blackbird*	4	1
Yellow-throated Vireo*	4	9

Protocol Contact

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For more bird data

Visit the Rocky Mountain
Avian Data Center online:
<http://adc.birdconservancy.org>

Northern Great Plains Network

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Network Parks: Agate Fossil Beds NM • Badlands NP • Devils Tower NM • Fort Laramie NHS • Fort Union Trading Post NHS • Jewel Cave NM • Knife River Indian Villages NHS • Missouri NRR • Mount Rushmore NM • Niobrara NSR • Scotts Bluff NM • Theodore Roosevelt NP • Wind Cave NP