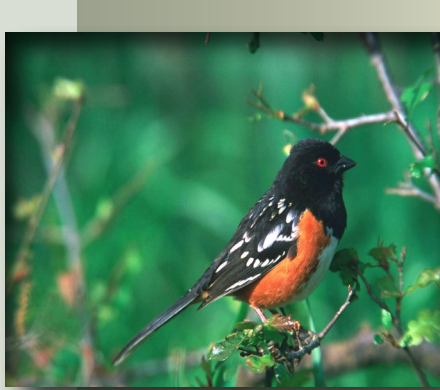




THEODORE ROOSEVELT NATIONAL PARK 2014 RESOURCE BRIEF



Above: The Spotted Towhee had the highest detection rate for both 2013 and 2014 field seasons.

LANDBIRD MONITORING

Overview: Theodore Roosevelt National Park encompasses over 70,000 acres of prairies, badlands, and riparian habitat. These diverse ecosystems bring numerous bird species to the park.

The Northern Great Plains Inventory and Monitoring Network (NGPN) assisted in development of a long-term bird monitoring protocol jointly with Rocky Mountain Bird Observatory (RMBO). A panel design where grids are surveyed on a rotating schedule was developed to facilitate complete coverage of the park. The 2014 breeding season was the second year of bird surveys at the park.

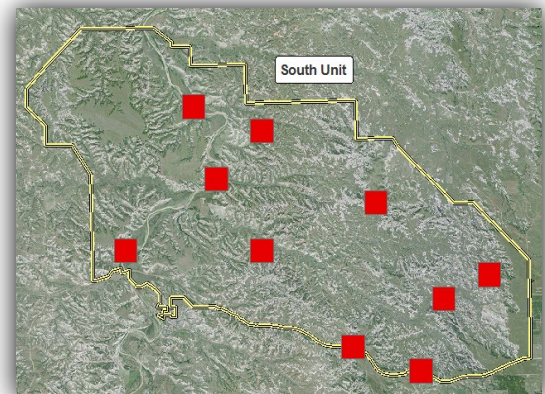
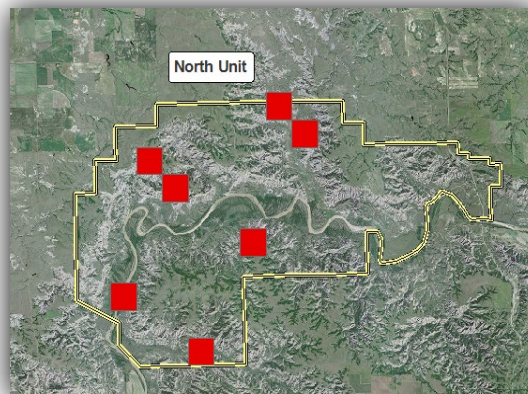
In 2014, RMBO technicians surveyed 161 points within 17 1km² grids, an increase from 141 surveyed in 2013. The counts were conducted in June and July and a total of 2,089 birds representing 76 species were recorded.

Highlights: The Spotted Towhee (12%) was the most common detected species in 2014

(page2). Other common species included the Field Sparrow (10%), Western Meadowlark (10%), Mourning Dove (7%), and Lazuli Bunting (5%). The Northern Bobwhite was recorded as a new species for the park, and the Brewer's Sparrow changed its status from Unconfirmed to Present in Park in NPSpecies. The park had 29 birds listed as Species of Importance by Partners in Flight and the state of North Dakota; the largest number for all NGPN parks.

Although the Field Sparrow was the second most common species in 2014, it is also listed as a Species of Importance (page 2). The North American Breeding Bird Survey estimated the Field Sparrow's population declined approximately 65% between 1966 and 2010. The Field Sparrow avoids human-dominated landscapes such as tilled agricultural fields and suburbs, which possibly explains the high number of detections throughout Theodore Roosevelt NP.

Right: Grid locations surveyed during the 2014 field season.





BIRD SPECIES DETECTED AT THEODORE ROOSEVELT NP

Common Name	2013	2014	Common Name	2013	2014	Common Name	2013	2014	Common Name	2013	2014
American Crow	48	63	Common Nighthawk	1	1	Northern Harrier	1	4	White-breasted Nuthatch	1	3
American Goldfinch	45	42	Common Yellowthroat	30	16	Northern Rough-winged Swallow	0	4	Wild Turkey	6	1
American Kestrel	0	3	Cooper's Hawk	0	1	Orchard Oriole	0	1	Willow Flycatcher	1	0
American Redstart	17	29	Dark-eyed Junco	2	1	Ovenbird	40	20	Wilson's Phalarope	0	1
American Robin	9	19	Double-crested Cormorant	1	0	Prairie Falcon	1	0	Yellow Warbler	68	74
American White Pelican	0	7	Downy Woodpecker	0	1	Red-breasted Nuthatch	0	1	Yellow-breasted Chat	95	60
Baird's Sparrow	0	1	Eastern Bluebird	1	0	Red-eyed Vireo	35	49	Yellow-rumped Warbler	1	1
Bank Swallow	0	2	Eastern Kingbird	16	4	Red-headed Woodpecker	0	3			
Barn Swallow	13	22	European Starling	2	0	Red-tailed Hawk	3	0			
Belted Kingfisher	2	0	Field Sparrow	102	212	Red-winged Blackbird	18	15			
Black-and-white Warbler	24	15	Golden Eagle	0	1	Ring-necked Pheasant	17	9			
Black-billed Cuckoo	2	1	Grasshopper Sparrow	108	44	Rock Pigeon	0	3			
Black-billed Magpie	14	56	Gray Catbird	2	4	Rock Wren	31	38			
Black-capped Chickadee	8	13	Great Blue Heron	1	0	Say's Phoebe	3	20			
Black-headed Grosbeak	1	0	Hairy Woodpecker	1	2	Sharp-tailed Grouse	4	3			
Blue Jay	1	0	Horned Lark	3	0	Song Sparrow	0	1			
Blue-winged Teal	2	0	House Wren	27	14	Spotted Towhee	227	241			
Bobolink	12	9	Killdeer	7	8	Swainson's Hawk	0	2			
Brewer's Blackbird	5	4	Lark Bunting	2	15	Tree Swallow	0	2			
Brewer's Sparrow	0	1	Lark Sparrow	49	47	Turkey Vulture	3	9			
Brown Thrasher	4	4	Lazuli Bunting	73	94	Upland Sandpiper	1	0			
Brown-headed Cowbird	72	92	Least Flycatcher	10	0	Veery	0	2			
Canada Goose	70	19	Loggerhead Shrike	0	2	Vesper Sparrow	23	43			
Cedar Waxwing	26	79	Mallard	4	11	Violet-green Swallow	4	7			
Chipping Sparrow	57	80	Mountain Bluebird	8	18	Warbling Vireo	0	1			
Clay-colored Sparrow	30	5	Mourning Dove	69	147	Western Kingbird	4	4			
Cliff Swallow	0	42	Northern Bobwhite	0	1	Western Meadowlark	159	200			
Common Grackle	2	5	Northern Flicker	9	10	Western Wood-Pewee	4	0			

* **Species of Importance**
* **New Species for Park**

* Rocky Mountain Bird Observatory. 2014. The Rocky Mountain Avian Data Center. { web app}. Brighton, CO. <http://adc.rmbo.org>. (Accessed December 4, 2014).

