

Washington State Park Bird Census 2017



A report to the Missouri Department of Natural Resources

Washington State Park Bird Census Summary

The Missouri River Bird Observatory conducted a basic bird census of Washington State Park in order to establish baseline information during migration and breeding seasons for the Missouri Department of Natural Resources (DNR). This information supplements previous public records found on eBird.org. Independent contractor Pat Lueders conducted the censuses and recorded all birds seen and heard on an iPad using the Collector for ArcGIS 10.4 application (<http://doc.arcgis.com/en/collector/>) with modifications. Terrestrial natural community type maps were provided by DNR and an effort was made to cover all major types.

Thirty-six hours of observer effort were spent during five site visits (Table 1). A total of 1,332 individuals of 90 species were detected (Table 2). *eBird records report 128 species resulting from 48 checklists submitted by the general public.

Bird detections were joined with natural community types to document the number of individual birds and the number of species found within each community type, but effort was not accounted for (Figures 1 and 2). This was not intended to be a standardized survey.

Spatial data can be accessed via ArcGIS online within ArcGIS ArcMap 10.3.1 or online via a browser at mrbo.maps.arcgis.com. Data from this census as well as data from point count surveys at St. Joe State Park in 2016 can be found within a group called "MoDNR Bird Data" at the url <https://arcg.is/1u0rOa>. Other DNR bird collected by MRBO will be accessible at mrbo.maps.arcgis.com and within the MoDNR group in the near future. All data are shared publicly. Additionally, DNR staff with ArcGIS Online organizational accounts can request access to join and contribute to the group.

We would like to thank Pat Lueders for conducting the Washington State Park censuses, her excellent bird identification skills, and her willingness to adopt the latest technologies.

Below: One of 4 Louisiana Waterthrushes detected skulking about at Washington State Park during the bird census in 2017.

Photo by: Pat Lueders



Table 1: Bird census dates and time spent at Washington State Park in 2017.

Date	Time
27-Apr-17	7 hours
12-May-17	8 hours
9-Jun-17	8 hours
26-Jun-17	8 hours
10-Jul-17	9 hours

Table 2: Counts of individual birds and species detected by date at Washington State Park in 2017.

Species	4/27/2017	5/12/2017	6/9/2017	6/26/2017	7/10/2017	Total Individuals
Acadian Flycatcher		7	9	17	12	45
American Crow	1	29	12	9	14	65
American Goldfinch		1	11	5	5	22
American Redstart		3				3
American Robin	1	2	4	4	5	16
Baltimore Oriole		3				3
Barn Swallow	1					1
Barred Owl			1			1
Belted Kingfisher		1				1
Black Vulture					1	1
Black-and-white Warbler	1	3				4
Blackpoll Warbler	2	3				5
Black-throated Green Warbler		2				2
Blue Grosbeak		4	2		1	7
Blue Jay	6	3	7	5	16	37
Blue-gray Gnatcatcher	12	27	23	27	12	101
Blue-winged Warbler		3	1			4
Brown Thrasher	1					1
Brown-headed Cowbird	5	28	10	3		46
Canada Goose		2				2
Carolina Chickadee	1	7	8	8	6	30
Carolina Wren		6	4	8	16	34
Chestnut-sided Warbler		3				3
Chimney Swift		1	1			2
Chipping Sparrow	3	7	9	6	1	26
Cliff Swallow			6	50		56
Common Grackle				10		10
Common Yellowthroat	3	3	3	2	7	18
Downy Woodpecker		5	3	4	3	15
Eastern Bluebird		1	3		1	5
Eastern Kingbird	1					1
Eastern Phoebe	5	11	3	9	8	36
Eastern Towhee				1		1
Eastern Tufted Titmouse	2	6	8	9	12	37
Eastern Wood-Pewee		11	10	7	9	37
Field Sparrow		3			1	4
Fish Crow			2	4	1	7
Gray Catbird		1				1
Gray-cheeked Thrush		1				1
Great Blue Heron		1	1	1		3
Great Crested Flycatcher		4	2	1	2	9
Great Horned Owl				1		1
Hairy Woodpecker	1					1
House Finch				1		1
House Wren		1				1
Indigo Bunting		15	13	14	18	60
Kentucky Warbler	6	8	10	6	6	36

Table 2 (continued): Counts of individual birds and species detected by date at Washington State Park in 2017.

Species	4/27/2017	5/12/2017	6/9/2017	6/26/2017	7/10/2017	Total Individuals
Killdeer				2		2
Louisiana Waterthrush	1	2	1			4
Mourning Dove		1	1	1	1	4
Nashville Warbler		1				1
Northern Cardinal	1	4	7	9	8	29
Northern Mockingbird					1	1
Northern Parula	2	5	9	13	10	39
Northern Rough-winged Swallow		3	10			13
Orchard Oriole		4	1	1		6
Ovenbird	3	10	11	6	2	32
Pileated Woodpecker	1	2	2	1	2	8
Pine Warbler		1				1
Prairie Warbler		7	1	3		11
Prothonotary Warbler			1			1
Red-bellied Woodpecker		7	6	9	1	23
Red-eyed Vireo	5	19	9	29	21	83
Red-headed Woodpecker		2		1		3
Red-shouldered Hawk		2	3	4	3	12
Red-tailed Hawk		2				2
Red-winged Blackbird	6					6
Rose-breasted Grosbeak		1				1
Ruby-throated Hummingbird		1	3	3	1	8
Scarlet Tanager	1	4	1	2	4	12
Song Sparrow	1					1
Summer Tanager	4	9	5	8	6	32
Swainson's Thrush		16				16
Tennessee Warbler	1	5				6
Tree Swallow	4					4
Tufted Titmouse	3	4	10	11	10	38
Turkey Vulture		4	2	3	10	19
Warbling Vireo		3	2	1	1	7
White-breasted Nuthatch	1	4	4	4	3	16
White-eyed Vireo		7	3	6	8	24
White-throated Sparrow	3					3
Wild Turkey	2					2
Wood Thrush		1	1	2	1	5
Worm-eating Warbler	1	2	3			6
Yellow Warbler		1		1		2
Yellow-billed Cuckoo		3	2	8	4	17
Yellow-breasted Chat		2	3	2		7
Yellow-rumped Warbler	1	3				4
Yellow-throated Vireo		4	2	4	2	12
Yellow-throated Warbler		3	1	2		6
Total Individuals	93	365	270	348	256	1332
Number of Species	35	70	53	51	42	90

Species and Individuals within Natural Communities

Figure 1: Number of bird species detected by natural community type at Washington State Park in 2017. *Effort was not standardized by community type.

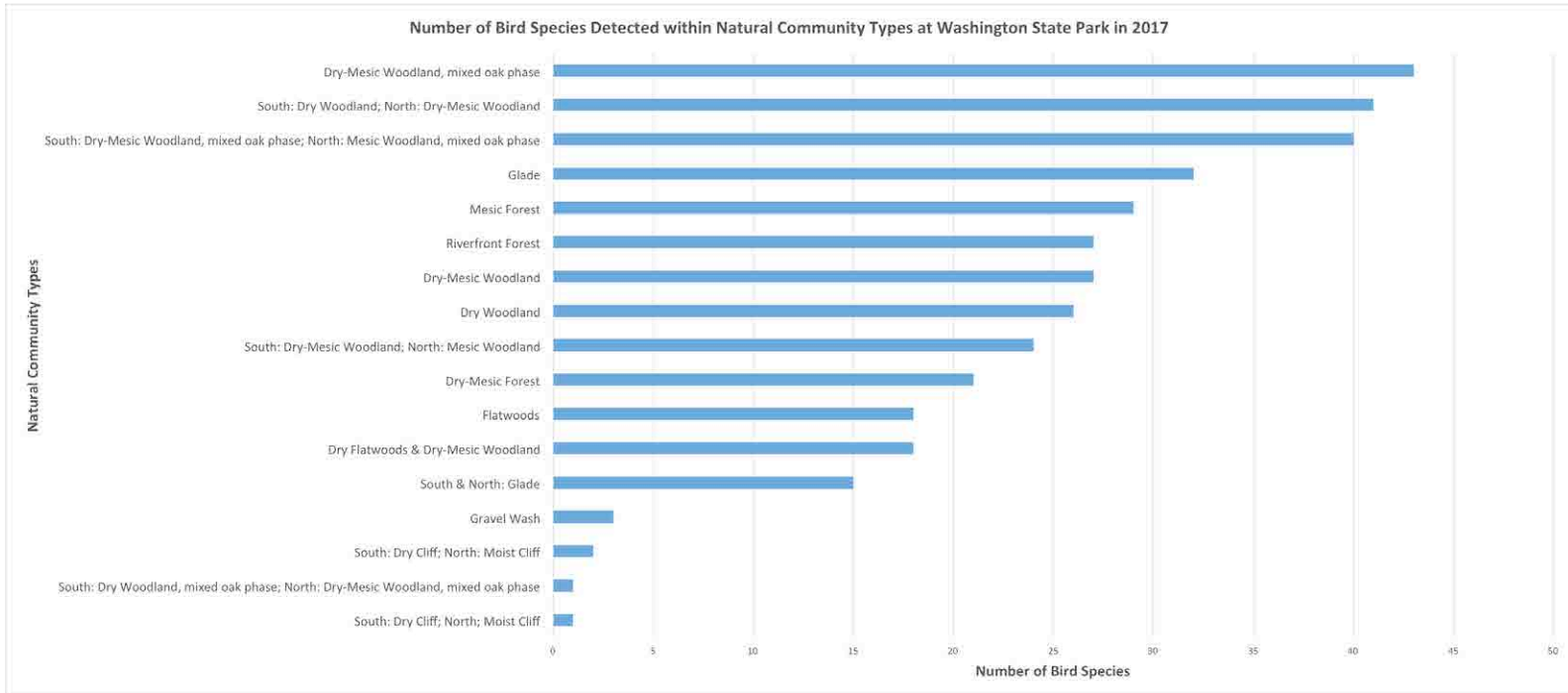
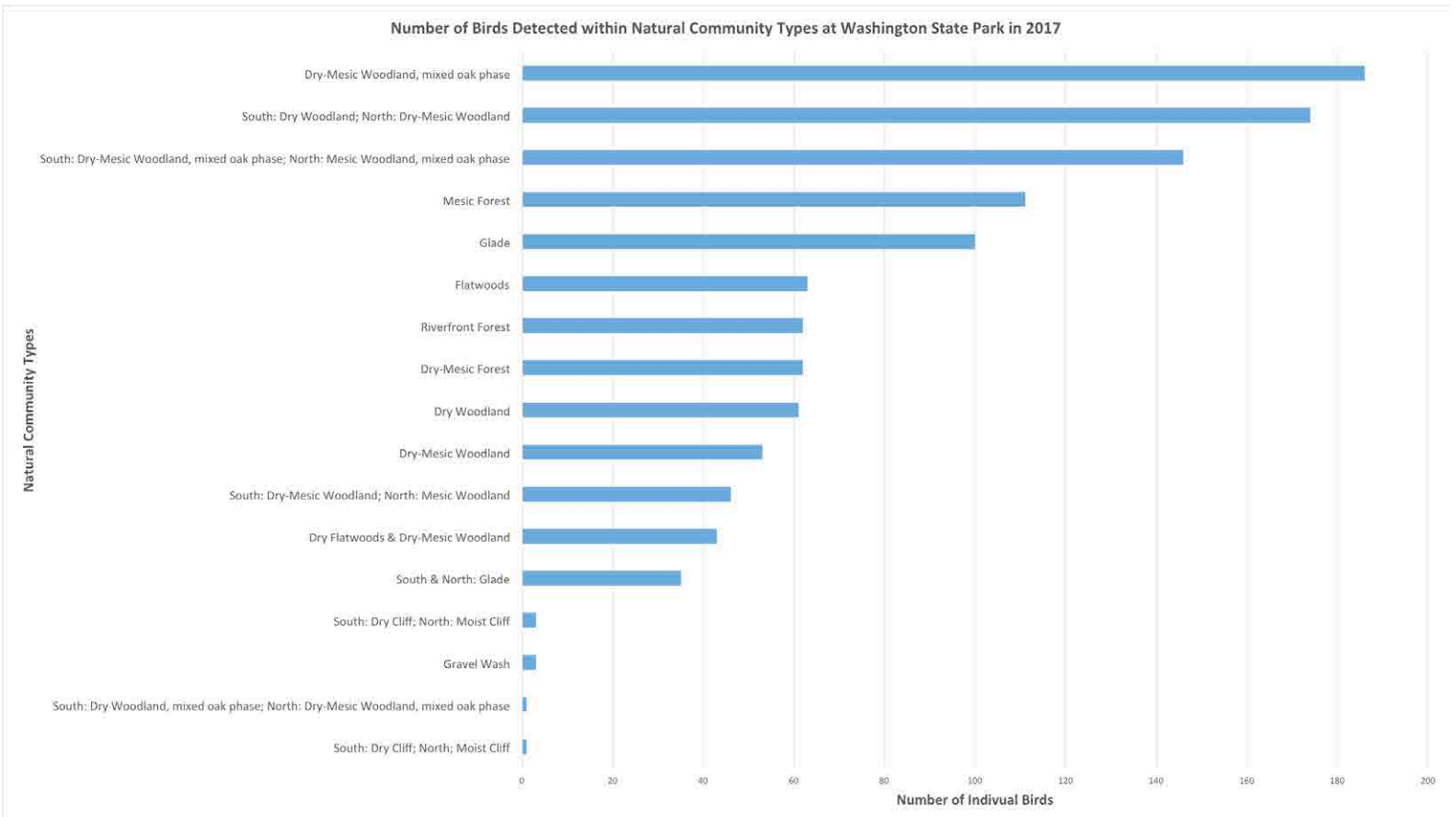


Figure 2: Number of individual birds detected by natural community type at Washington State Park in 2017. *Effort was not standardized by community type.



Access to Spatial Data via ArcGIS Online

Mapped data is publicly available at mrbo.maps.arcgis.com. Data can be filtered by attributes such as species, date, and natural community type. It may also be downloaded in a variety of common data formats including comma separated values (.csv).

home ▾ Washington State Park Bird Census 2017

Details Add Basemap Analysis Save Share Print Directions Measure

Contents

- Bird Detections 2017
- Terrestrial Natural Communities
- Washington State Park Boundary
- Topographic

Bird Detections 2017 (Features: 885, Selected: 0)

BirdSpecies	Sex	Count_	CreationDate	Alp
Ovenbird	Male	1.00	4/26/2017, 7:00 PM	OV
Louisiana Waterthrush	Male	1.00	4/26/2017, 7:00 PM	LO
Eastern Phoebe	Unknown	1.00	4/26/2017, 7:00 PM	EA
Ovenbird	Male	1.00	5/11/2017, 7:00 PM	OV

Esri.com ArcGIS Marketplace Help Terms of Use Privacy Contact Esri Report Abuse

Data from this census is housed with other bird data collected for the Missouri Department of Natural Resources at mrbo.maps.arcgis.com and can also be found under the group “MoDNR Bird Data” at <https://arcgis.com/arcgis/lu0rOa>.

An instruction manual that was created for Missouri DNR’s St. Joe State Park Bird Data can be found within this group.

MoDNR Bird Data Edit

Overview Content Members Settings

Edit Thumbnail

Missouri DNR Bird Data A group housing bird data from Missouri DNR lands. Edit

owned by ethanduke

MISSOURI DEPARTMENT OF NATURAL RESOURCES

MRBO website

Description Edit

In partnership the Missouri Department of Natural Resources (MoDNR), the Missouri River Bird Observatory (MRBO) has collected bird data at the request of the agency. To date, MRBO has collected data at St. Joe State Park, Washington State Park, Van Meter State Park (Grassland Restoration Areas and Wetlands), and Arrow Rock State Historic Site (Grassland Restorations). Data are available as follows:

