



Breeding Bird Survey

Lang Family Ranches
Lang Family Ranches LP
By: Justin Bosler
Date: July 5, 2022

A breeding bird survey was conducted on the Lang Family Ranches property in Hays County on the morning of July 5, 2022. Justin Bosler, biologist for Plateau Land and Wildlife, conducted the survey. The protocol for the survey was to re-survey or establish stations throughout the 44.19 acre ranch at 250 meter (.15 mile) or greater intervals. Observations, both visual and auditory, were taken at each station for periods lasting three minutes. We observed 5 station(s) during this survey. The survey began at 0655 and ended at 0755. Weather conditions were noted at the beginning and end of the survey.

An annual survey using the same stations will be conducted on the property during the breeding season (mid March - mid July), between 0600 and 1100 hours. These surveys will be helpful in determining trends in population changes of the breeding birds on the subject property. This information could be useful in targeting and/or maintaining management activities with regards to breeding birds found on the Lang Family Ranches property.

A brief description of the stations, beginning and ending weather observations, and a list of bird observations organized by station follows.

Station 1

Station 1 is located at the northern portion of the property near the entrance gate. It occurs in an Ashe Juniper - Cedar Elm woodland. The understory contains low numbers of Mexican Persimmon, Lindheimer Muhly, and Agarita. A total of 17 species were observed.

Station 2

Station 2 is located toward the southwest corner of the property. It occurs within a dense Ashe Juniper woodland with occasional Texas Oak. The understory is mostly open with scattered Yaupon and Frostweed. A total of 15 species were observed.

Station 3

Station 3 is located near the center of the property near an old barn. The habitat is an open Ashe Juniper - Live Oak woodland with abundant King Ranch Bluestem and Little Bluestem. Also present is Agarita, Prickly Pear, and Rosemary. A total of 18 species were observed.

Station 4

Station 4 is located at the southeast portion of the property, just above the southern leg. It occurs in a semi-open Ashe Juniper woodland with Live Oak. Ground cover is partially provided by Seep Muhly, Twist-leaf Yuca, and Mexican Persimmon. A total of 11 species were observed.

Station 5

Station 5 is located in the southern leg of the property. The habitat is nearly identical to Station 4. A total of 14 species were observed.

Observations

Station Number	1	2	3	4	5
Latitude	30.19509	30.1921	30.19345	30.19258	30.19079
Longitude	-97.94829	-97.95076	-97.94796	-97.9462	-97.946
Time	0655	0723	0707	0741	0755
Temp (F)	76°	76°	75°	77°	77°
Winds	0-5 mph S	5-10 mph S	5-10 mph S	5-10 mph S	10-15 mph S
Sky Conditions	Mostly cloudy	Partly cloudy	Partly cloudy	Mostly cloudy	Partly cloudy

Bird Species						Total
Turkey Vulture			1			1
Red-shouldered Hawk	1	1	1			3
White-winged Dove	3	3	2	2	1	11
Mourning Dove	1	2	2		1	6
Greater Roadrunner			1			1
Chimney Swift	1	1	2			4
Black-chinned Hummingbird			1	1	2	4
Golden-fronted Woodpecker	2		1			3
Ladder-backed Woodpecker	1					1
White-eyed Vireo	3	1	3	2	1	10
Woodhouse's Scrub-Jay		1				1
American Crow	1				3	4
Purple Martin	2				3	5
Barn Swallow	2	3				5
Carolina Chickadee	2	2	2	3	2	11
Black-crested Titmouse	4	4	3	2	2	15
Carolina Wren	1	2	2	4	2	11
Bewick's Wren	1	1	1		2	5
Blue-gray Gnatcatcher				1		1
Eastern Bluebird			1			1
Golden-cheeked Warbler*				5		5
Summer Tanager	2	1			1	4
Northern Cardinal	6	5	7	6	8	32
Painted Bunting	4	3	5	4	3	19
House Finch		2	1			3
Lesser Goldfinch			2	2	1	5
Totals:	37	32	38	32	32	171

Total Species: 26

* = denotes endangered species