Big Bend National Park
Breeding Bird Surveys

May 2009

By Mark R. Flippo

Print Route Summary

FLIPPO, MARK / Observer

Review the Following Information for Accuracy

Obs Number :	F0171
State/Prov/Terr :	TEXAS
Route :	082 - HOT SPRINGS
Route Type:	Roadside route
Run Method :	101-Standard BBS

Route Summary Information

Date Route Run (MM/DD/YYYY):	05/18/2009	
Start Time(hh:mm) (hh:mm) & Status:	06 : 24 Actual	
End Time(hh:mm) (hh:mm) & Status:	10 : 23 Actual	
Start Temp & Status:	62 °F Actual	
End Temp & Status:	80 Actual	
Start Wind & Status:	0-Smoke rises vertically (<1 mph, <2 Kph)	Actual
End Wind & Status:	2-Wind felt on face; leaves rustle (4-7 mph, 6-12 Kph)	Actual
Start Sky & Status:	0-Clear or few clouds	Actual
End Sky & Status:	0-Clear or few clouds	Actual

10 Stop Totals

AOU-Species	1-10	11-20	21-30	31-40	41-50	Total ind.	Total Stops
Scaled Quail	9	6	3	6	5	29	15
Turkey Vulture	2	1	3	6	12	24	11
Red-tailed Hawk	0	0	1	0	0	1	1
White-winged Dove	0	1	3	0	0	4	3
Mourning Dove	7	4	0	0	0	11	9
Greater Roadrunner	3	3	0	1	0	7	7
Great Horned Owl	2	0	0	0	0	2	2
Lesser Nighthawk	25	1	0	0	0	26	10
Common Nighthawk	1	0	0	0	0	1	1
Say's Phoebe	2	0	0	0	0	2	1
Ash-throated Flycatcher	3	4	3	1	1	12	11
Western Kingbird	0	1	0	0	0	1	1
Loggerhead Shrike	1	1	2	0	1	5	4
Bell's Vireo	0	0	0	0	7	7	4
Common Raven	0	2	0	0	1	3	3
Barn Swallow	0	0	0	2	0	2	1
Verdin	2	6	3	5	4	20	15
Cactus Wren	10	16	20	16	9	71	37
Rock Wren	0	2	0	0	0	2	1
Canyon Wren	0	0	0	2	0	2	1
Bewick's Wren	0	0	0	1	2	3	3
Black-tailed Gnatcatcher	3	3	5	1	3	15	10
Northern Mockingbird	8	11	4	13	3	39	24
Curve-billed Thrasher	1	0	1	2	0	4	3
Crissal Thrasher	0	0	0	1	0	1	1
Canyon Towhee	0	0	3	2	1	6	5
Rufous-crowned Sparrow	0	0	2	2	0	4	3
Black-throated Sparrow	34	30	28	24	10	126	35
Pyrrhuloxia	4	7	7	12	15	45	25
Blue Grosbeak	1	0	1	4	3	9	9
Indigo Bunting	0	0	0	2	0	2	1

Painted Bunting	1	0	0	0	0	1	1
Brown-headed Cowbird	0	1	2	2	3	8	5
Scott's Oriole	3	6	0	2	0	11	7
House Finch	9	1	0	3	2	15	10
House Sparrow	0	0	0	4	0	4	1
Total Species:36	**Total ind.:525**						
Vehicles	0	2	3	9	12	26	15
Noise	0	0	0	0	0	0	0

Print Field Sheet and Stops Data

FLIPPO, MARK / Observer

Review the Following Information for Accuracy

Obs Number :	F0171	
State/Prov/Terr :	TEXAS	
Route :	082 - HOT SPRINGS	
Route Type:	Roadside route	
Run Method :	101-Standard BBS	

Route Summary Information

Date Route Run(MM/DD/YYYY):	05/18/2009	
Start Time(hh:mm) (hh:mm) & Status:	06 : 24	Actual
End Time(hh:mm) (hh:mm) & Status:	10 : 23	Actual
Start Temp & Status:	62 °F	Actual
End Temp & Status:	80	Actual
Start Wind & Status:	0 - Smoke rises vertically (<1 mph, <2 Kph)	Actual
End Wind & Status:	2 - Wind felt on face; leaves rustle (4-7 mph, 6-12 Kph)	Actual
Start Sky & Status:	0 - Clear or few clouds	Actual
End Sky & Status:	0 - Clear or few clouds	Actual

Questions

1. Did you submit these data to the BBS Office via the Internet?	Yes
2. Do you intend to survey this route next year? (2010) ?	Yes
In the text box below please indicate why you will not be surveying this route next year and, if possible please provide the name and contact information of a potential replacement.	
who will replace?	
3. Did you complete the route?	Yes
Indicate how many stops were sampled?	0
4. If present, were vehicles recorded?	Yes
5. Did someone accompany AND assist with the route?	Yes
Please provide assistant's name.	No
6. Did your assistant record the species data?	
7. Were you the assigned observer for the route? In other words, is your name printed on the data sheet?	Yes
8. Were you paid or otherwise compensated by your employer to survey this route?	Yes
9. Please indicate the number of hours you and any assistants' contribute to the completion of this route. Include time spent on scouting, data collection, data submission, and data review. Round to nearest hour.	8 0

Address Corrections

Is your mailing address, telephone, and e-mail information correct? (•) Yes ( ) No

If no, provide the correct information below. If you survey multiple routes, you need only update this information once.

Last Name:	FLIPPO	**First Name:**	MARK
MI:	R	**NickName :**	
Address Line1:	PO BOX 99	**Address Line2:**	
City	Terlingua	**State/Prov/Terr:**	Texas #83
Zip / Postal Code:	79852	**Country:**	United States
		Phone	

Phone (Day): 432- 477- 1110 **(Evening):**
Ext: **Ext:**
Email 1: MARK_R_FLIPPO@NPS.GOV **Email 2:**

Field Sheet - Stops Data

AOU-Species	1	2	3	4	5	Non-Breeder
02930-Scaled Quail				1		No
03160-Mourning Dove			1	1	2	No
03750-Great Horned Owl	1					No
04210-Lesser Nighthawk	1	5	2	2	2	No
04200-Common Nighthawk		1				No
04570-Say's Phoebe	2					No
04540-Ash-throated Flycatcher	1					No
07130-Cactus Wren			1	1	1	No
07520-Black-tailed Gnatcatcher					2	No
07030-Northern Mockingbird				1		No
07070-Curve-billed Thrasher		1				No
05730-Black-throated Sparrow		4	4	4	3	No
05940-Pyrrhuloxia					2	No
06010-Painted Bunting		1				No
05190-House Finch	2	2	1	2		No
Number of Vehicles	"	"	"	"	"	
Excessive Noise						

AOU-Species	6	7	8	9	10	Non-Breeder
02930-Scaled Quail		2	3	1	2	No
03250-Turkey Vulture		1		1		No
03160-Mourning Dove	1	1			1	No
03850-Greater Roadrunner	1	1			1	No
03750-Great Horned Owl	1					No
04210-Lesser Nighthawk	4	5		3	1	No
04540-Ash-throated Flycatcher			1		1	No
06220-Loggerhead Shrike				1		No
07460-Verdin		2				No
07130-Cactus Wren		2	2	1	2	No
07520-Black-tailed Gnatcatcher		1				No
07030-Northern Mockingbird	2		1	2	2	No
05730-Black-throated Sparrow	3	7	2	5	2	No
05940-Pyrrhuloxia					2	No
05970-Blue Grosbeak					1	No
05040-Scott's Oriole		2	1			No
05190-House Finch			2			No
Number of Vehicles						
Excessive Noise						

AOU-Species	11	12	13	14	15	Non-Breeder
02930-Scaled Quail			1	1		No
03250-Turkey Vulture		1				No
03160-Mourning Dove	1				1	No
03850-Greater Roadrunner		1			1	No
04210-Lesser Nighthawk	1					No
04540-Ash-throated Flycatcher					1	No
04470-Western Kingbird				1		No
06220-Loggerhead Shrike	1					No
04860-Common Raven	1					No
			2		1	No

07460-Verdin						
07130-Cactus Wren	1	2			2	No
07150-Rock Wren					2	No
07520-Black-tailed Gnatcatcher			2			No
07030-Northern Mockingbird	2	2	1	1		No
05730-Black-throated Sparrow	4	3	5	1		No
05940-Pyrrhuloxia		2				No
04950-Brown-headed Cowbird		1				No
05040-Scott's Oriole				1	2	No
05190-House Finch					1	No
Number of Vehicles			1			
Excessive Noise						

AOU-Species	**16**	**17**	**18**	**19**	**20**	**Non-Breeder**
02930-Scaled Quail		4				No
03190-White-winged Dove				1		No
03160-Mourning Dove	2					No
03850-Greater Roadrunner		1				No
04540-Ash-throated Flycatcher				1	2	No
04860-Common Raven					1	No
07460-Verdin	1			1	1	No
07130-Cactus Wren	3	1	3	2	2	No
07520-Black-tailed Gnatcatcher					1	No
07030-Northern Mockingbird	2	2	1			No
05730-Black-throated Sparrow	2	7	2	4	2	No
05940-Pyrrhuloxia	1	2	2			No
05040-Scott's Oriole	2	1				No
Number of Vehicles			1			
Excessive Noise						

AOU-Species	**21**	**22**	**23**	**24**	**25**	**Non-Breeder**
02930-Scaled Quail					3	No
03190-White-winged Dove	2	1				No
04540-Ash-throated Flycatcher	1		1			No
06220-Loggerhead Shrike				2		No
07460-Verdin	2		1			No
07130-Cactus Wren	3	2	2	2		No
07520-Black-tailed Gnatcatcher	2					No
07030-Northern Mockingbird			1	1	1	No
05910-Canyon Towhee			1	1		No
05800-Rufous-crowned Sparrow					2	No
05730-Black-throated Sparrow		2	1	3	5	No
05940-Pyrrhuloxia	3	1				No
05970-Blue Grosbeak	1					No
04950-Brown-headed Cowbird	2					No
Number of Vehicles			1			
Excessive Noise						

AOU-Species	26	27	28	29	30	Non-Breeder
03250-Turkey Vulture	1				2	No
03370-Red-tailed Hawk			1			No
04540-Ash-throated Flycatcher				1		No
07130-Cactus Wren	2	2	2	4	1	No
07520-Black-tailed Gnatcatcher	1		2			No
07030-Northern Mockingbird					1	No
07070-Curve-billed Thrasher					1	No
05910-Canyon Towhee				1		No
05730-Black-throated Sparrow	4		6	3	4	No
05940-Pyrrhuloxia			1	1	1	No
Number of Vehicles		1	1			
Excessive Noise						

AOU-Species	31	32	33	34	35	Non-Breeder
02930-Scaled Quail			1	2		No
03250-Turkey Vulture			2	1		No
03850-Greater Roadrunner		1				No
06130-Barn Swallow				2		No
07460-Verdin	1					No
07130-Cactus Wren	5	4	2	3		No
07170-Canyon Wren			2			No
07190-Bewick's Wren				1		No
07520-Black-tailed Gnatcatcher	1					No
07030-Northern Mockingbird	3	3		1		No
07070-Curve-billed Thrasher				2		No
07120-Crissal Thrasher		1				No
05800-Rufous-crowned Sparrow					1	No
05730-Black-throated Sparrow	7	7	5		3	No
05940-Pyrrhuloxia	3	2	1			No
05970-Blue Grosbeak	1		1			No
05040-Scott's Oriole				2		No
05190-House Finch					1	No
06882-House Sparrow				4		No
Number of Vehicles					1	
Excessive Noise						

AOU-Species	36	37	38	39	40	Non-Breeder
02930-Scaled Quail	3					No
03250-Turkey Vulture	2				1	No
04540-Ash-throated Flycatcher		1				No
07460-Verdin	1	3				No
07130-Cactus Wren	1		1			No
07030-Northern Mockingbird		2	2		2	No
05910-Canyon Towhee				2		No
05800-Rufous-crowned Sparrow	1					No
05730-Black-throated Sparrow	2					No
05940-Pyrrhuloxia	3	1	1	1		No
05970-Blue Grosbeak				1	1	No
05980-Indigo Bunting				2		Yes
04950-Brown-headed Cowbird	2					No
05190-House Finch				2		No
Number of Vehicles	2	1	2	1	2	
Excessive Noise						

AOU-Species	41	42	43	44	45	Non-Breeder
02930-Scaled Quail				1	1	No
03250-Turkey Vulture		1			11	No
04540-Ash-throated Flycatcher				1		No
06330-Bell's Vireo		2			1	No

04860-Common Raven					1	No
07460-Verdin					1	No
07130-Cactus Wren	1			2	1	No
07190-Bewick's Wren	1	1				No
07030-Northern Mockingbird	1			2		No
05910-Canyon Towhee					1	No
05730-Black-throated Sparrow	2	4	1			No
05940-Pyrrhuloxia	3	1	3			No
05970-Blue Grosbeak	1					No
04950-Brown-headed Cowbird	1					No
05190-House Finch			1		1	No
Number of Vehicles	1	1			9	
Excessive Noise						

AOU-Species	**46**	**47**	**48**	**49**	**50**	**Non-Breeder**
02930-Scaled Quail					3	No
06220-Loggerhead Shrike	1					No
06330-Bell's Vireo				1	3	No
07460-Verdin		1	1		1	No
07130-Cactus Wren	1	1	2	1		No
07520-Black-tailed Gnatcatcher			2	1		No
05730-Black-throated Sparrow			3			No
05940-Pyrrhuloxia	2	3	2	1		No
05970-Blue Grosbeak		1		1		No
04950-Brown-headed Cowbird					2	No
Number of Vehicles				1		
Excessive Noise						

Comments

General Comments, Suggestions, Questions or Stories from the field : (Max. 1000 char)

Incomplete Route or Route Problem Comments : (Max. 1000 char)

Route Vacancy and Observer Replacement Comments : (Max. 1000 char)

Comments to Document Rare, Migrant, and Nonbreeding Species : (Max. 1000 char)

6728353879

2009 N.A. Breeding Bird Survey Data Form, UNITED STATES

Please complete numbered items below after surveying route.

Observer # F 0 1 7 1 is currently assigned to BBS route 8 3 - 0 8 2 HOT SPRINGS

VALID SURVEY DATES AND START TIME

Survey route on or between these dates.

Start date (mm/dd) 05 / 07

End date (mm/dd) 06 / 30

Official Start Time: 0624

ROUTE SUMMARY INFORMATION

Complete steps 1-14.

1. Date Route Run (mm/dd/yyyy): 05 / 18 / 2009

2. Start time (hh:mm): 06:24 End time: 10:23

3. Start temp: 062 End temp: 080 ○ Celsius ● Fahrenheit

4. Start wind: 0 1 2 3 4 5 — ● ○ ○ ○ ○ ○ End wind: 0 1 2 3 4 5 — ○ ○ ● ○ ○ ○

5. Start sky: 0 1 2 4 5 7 8 — ● ○ ○ ○ ○ ○ ○ End sky: 0 1 2 4 5 7 8 — ● ○ ○ ○ ○ ○ ○

*It is important to record time and weather data in the field when you collect your bird data. If you have estimated a value **after the fact** however, it is important that you make note of that below.*

Check only those boxes corresponding to values that you did not measure or record in the field.

Date	StartTime	StartTemp	StartWind	StartSky
☐	☐	☐	☐	☐
	EndTime	EndTemp	EndWind	EndSky
	☐	☐	☐	☐

OBSERVER & ROUTE MANAGEMENT INFORMATION

	Y	N
6. Were these data submitted via the Internet?	●	○
7. Do you intend to survey the route next year?	●	○
If not participating further, please use the comment form to indicate why, and if possible, provide the name and contact information of a potential replacement.		
8. Did you complete the route?	●	○
8a. If no to 8, indicate how many stops were sampled (0-49).		
9. Were number of passing vehicles recorded during count?	●	○
10. Did someone assist with your route? If yes, please provide assistant's first and last name in box below.	○	●
10a. If yes to 10, did your assistant record the data?	○	○
11. Does your name appear in the assigned observer box below? If no, please complete page 2.	●	○
12. Is your contact information below correct? If no, please provide correct information on reverse side.	●	○
13. Were you paid or otherwise compensated by your **employer** to survey this route?	●	○

14. Please indicate the number of hours you and any assistants contributed to the completion of this route. Include total time spent on scouting trip, data collection, travel to and from route, data submission, and data review. Write numbers in boxes and fill in corresponding circles. Please round to nearest whole hour.

	Observer's Hours 08	Assistants' Hours
0	●	○
1	○	○
2	○	○
3	○	○
4	○	○
5	○	○
6	○	○
7	○	○
8	●	○
9	○	○

Contact Information Corrections:

Please make all necessary corrections to contact information on reverse side.

4 3 2 / 4 7 7 - 1 1 1 0

/ -

MARK_R_FLIPPO@NPS.GOV

Birth(MMDD):

Assigned BBS observer:

MARK R FLIPPO

PO BOX 99

Terlingua TX 79852

United States

Office use only

840 2009

PAPERWORK REDUCTION ACT STATEMENT: A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control Number. Public burden for the collection of this information is estimated to average five hours per response. Comments regarding this collection of information should be directed to the Bureau Clearance Officer, U.S. Geological Survey, 807 National Center, Virginia 20192. OMB NO. 1028-0079 Expiration Date: 5/31/2008

RPID 101 2998

SCAN FORM Page 1

8238353877 If you sample multiple routes, you need update your address on only one set of forms.

CONTACT INFORMATION CORRECTIONS: use CAPITAL letters & avoid contact with edges of box.

First Name **M.I.** **Last Name**

Nickname (if applicable) **Birth Month & Day (mm/dd)** Birth month/day information will help prevent creation of duplicate observer records in the database. It is optional.

Mailing Address

City **St./Prov.** **Zip/Postal Code**

Indicate country by filling in corresponding bubble. **Country:** ○ Canada ○ Mexico ○ U.S.A

Area Code / Telephone Number (Day)

Area Code / Telephone Number (Evening)

E-mail Address 1

E-mail Address 2

Brief BBS Instructions.

- All forms must be completed and returned by July 15; if you will not be able to conduct the survey, please contact your provincial, state or territorial BBS coordinator, or the national BBS office, ASAP.
- START EXACTLY ONE-HALF HOUR BEFORE SUNRISE. Start time provided on first page of data sheet.
- Each stop should be for 3 minutes and routes should be completed within 4 - 5 hours.
- Count individuals of each species seen within 0.25 miles/0.4 km or heard from any distance.
- Only count adult birds; do not count young in the nest, fledglings, or the dependent young of waterbirds, gallinaceous birds, and shorebirds. Do not count individuals more than once.
- Write in any species not listed on form; lower case letters and abbreviations acceptable. If it is a nonbreeding species for your area, please fill in the corresponding box next to the write-in species.
- In row provided at bottom of field sheets record number of vehicles that pass by during each 3-min stop. Also fill in the "excessive noise" bubble if you feel constant excessive noise other than passing vehicles (e.g. a nearby lawnmower, crop duster, or babbling brook) seriously impaired your ability to hear birds at that stop.
- Record weather conditions and time at beginning and end of route, and complete route summary and management information.
- For optimal character recognition, press firmly with dark pencil or ink pen (not felt-tipped) when completing the forms.
- Verify your address before returning form, and return route map with your completed data sheets.

Always read the detailed instructions before running your route.

Wind Speed Codes:

Beaufort Scale	Wind speed indicators
0	Smoke rises vertically (<1 mph, <2 kph)
1	Wind direction shown by smoke drift (1-3 mph, 2-5 kph)
2	Wind felt on face; leaves rustle (4-7 mph, 6-12 kph)
3	Leaves, small twigs in constant motion (8-12 mph, 13-19 kph)
4	Dust rises; small branches move (13-18 mph, 20-29 kph)
5	Small trees in leaf begin to sway (19-24 mph, 30-38 kph)

Sky Condition Codes:

National Weather Service Codes	Sky condition indicators
0	Clear or few clouds
1	Partly cloudy (scattered) or variable sky
2	Cloudy (broken) or overcast
4	Fog or smoke
5	Drizzle
7	Snow
8	Showers

Many thanks for all your help!

1487353876

Official Start Time: 0624
Actual Start Time: 0624

(required) Temp Wind Sky: 62 0 0

Country Code: 840 | Route name: HOT SPRINGS | Route Number: 83082

Date (mm/dd/yyyy): 0 / / 2009

Mileage/time(optional):

Observer's Name: Mark Flippo

Species	AOU	Stops 1	2	3	4	5
Scaled Quail	02930				1	
Turkey Vulture	03250					
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190					
Mourning Dove	03160			1	1	2
Greater Roadrunner	03850					
Great Horned Owl	03750	1				
Elf Owl	03810					
Lesser Nighthawk	04210	1	5	2	2	2
Common Nighthawk	04200		1			
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570	2				
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540	1				
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Chihuahuan Raven	04870					
Common Raven	04860					
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460					
Cactus Wren	07130			1	1	1
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 1	2	3	4	5
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					2
Northern Mockingbird	07030				1	
Curve-billed Thrasher	07070		1			
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730		4	4	4	3
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940					2
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010		1			
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Scott's Oriole	05040					
House Finch	05190	2	2	1	2	
Lesser Goldfinch	05300					
House Sparrow	06882					
NBr ☐						
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2998 VEHICLES

Check box if

101

SCAN FORM

9234353874

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 6	7	8	9	10	Species	AOU	Stops 6	7	8	9	10
Scaled Quail	02930		2	3	1	2	Bewick's Wren	07190					
Turkey Vulture	03250		1		1		Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520		1			
Red-tailed Hawk	03370						Northern Mockingbird	07030	2		1	2	2
Killdeer	02730						Curve-billed Thrasher	07070					
Eur Collared-Dove	22860						Crissal Thrasher	07120					
White-winged Dove	03190						Yellow-breasted Chat	06830					
Mourning Dove	03160	1	1			1	Summer Tanager	06100					
Greater Roadrunner	03850	1	1			1	Canyon Towhee	05910					
Great Horned Owl	03750	1					Cassin's Sparrow	05780					
Elf Owl	03810						Ruf-crowned Sparrow	05800					
Lesser Nighthawk	04210	4	5		3	1	Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730	3	7	2	5	2
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940					2
Blk-chin Hummingbird	04290						Blk-headed Grosbeak	05960					
Ladder-back Woodpkr	03960						Blue Grosbeak	05970					1
unid. Empid Flycatcher	04679						Varied Bunting	06000					
Say's Phoebe	04570						Painted Bunting	06010					
Vermilion Flycatcher	04710						Eastern Meadowlark	05010					
Ash-throat Flycatcher	04540			1		1	Western Meadowlark	05011					
Cassin's Kingbird	04480						Bronzed Cowbird	04960					
Western Kingbird	04470						Brn-headed Cowbird	04950					
unid. Kingbird	04447						Scott's Oriole	05040		2	1		
Loggerhead Shrike	06220				1		House Finch	05190			2		
Bell's Vireo	06330						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						House Sparrow	06882					
Common Raven	04860						NBr ☐						
Violet-Green Swallow	06150						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Barn Swallow	06130						☐						
Verdin	07460		2				☐						
Cactus Wren	07130		2	2	1	2	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						

2998 **VEHICLES** | | | | | |

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder.

SCAN FORM Page 4

5702353870

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp | Wind | Sky: 64 | 1 | 0

Mileage/time(optional):

Species	AOU	Stops 11	12	13	14	15
Scaled Quail	02930			1	1	
Turkey Vulture	03250		1			
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190					
Mourning Dove	03160	1				1
Greater Roadrunner	03850		1			1
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210	1				
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					1
Cassin's Kingbird	04480					
Western Kingbird	04470				1	
unid. Kingbird	04447					
Loggerhead Shrike	06220	1				
Bell's Vireo	06330					
Chihuahuan Raven	04870					
Common Raven	04860	1				
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460			2		1
Cactus Wren	07130	1	2			2
Rock Wren	07150					2
Canyon Wren	07170					
2998 VEHICLES				1		
Excessive Noise:		○	○	○	○	○

Species	AOU	Stops 11	12	13	14	15
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520			2		
Northern Mockingbird	07030	2	2	1	1	
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	4	3	5	1	
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940		2			
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950		1			
Scott's Oriole	05040				1	2
House Finch	05190					1
Lesser Goldfinch	05300					
House Sparrow	06882					
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Check box if non-breeder

101

SCAN FORM
Page 5

2511353875

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 16	17	18	19	20
Scaled Quail	02930		4			
Turkey Vulture	03250					
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190				1	
Mourning Dove	03160	2				
Greater Roadrunner	03850		1			
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540				1	2
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Chihuahuan Raven	04870					
Common Raven	04860					1
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460	1			1	1
Cactus Wren	07130	3	1	3	2	2
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 16	17	18	19	20
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					1
Northern Mockingbird	07030	2	2	1		
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2	7	2	4	2
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	1	2	2		
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Scott's Oriole	05040	2	1			
House Finch	05190					
Lesser Goldfinch	05300					
House Sparrow	06882					
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VEHICLES			1			
Excessive Noise:	○	○	○	○	○	

Check box if non-breeder.

9334353875

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp | Wind | Sky: 66 | 1 | 0

Mileage/time(optional):

Species	AOU	Stops 21	22	23	24	25
Scaled Quail	02930					3
Turkey Vulture	03250					
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190	2	1			
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540	1		1		
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220				2	
Bell's Vireo	06330					
Chihuahuan Raven	04870					
Common Raven	04860					
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460	2		1		
Cactus Wren	07130	3	2	2	2	
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 21	22	23	24	25
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520	2				
Northern Mockingbird	07030			1	1	1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910			1	1	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					2
Lark Sparrow	05520					
Blk-throated Sparrow	05730		2	1	3	5
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	3	1			
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970	1				
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950	2				
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
House Sparrow	06882					
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2998 VEHICLES: 1

Excessive Noise:

Check box if non-breeder

101

SCAN FORM

Page 2

8607353877

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 26	27	28	29	30	Species	AOU	Stops 26	27	28	29	30
Scaled Quail	02930						Bewick's Wren	07190					
Turkey Vulture	03250	1				2	Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520	1		2		
Red-tailed Hawk	03370			1			Northern Mockingbird	07030					1
Killdeer	02730						Curve-billed Thrasher	07070					1
Eur Collared-Dove	22860						Crissal Thrasher	07120					
White-winged Dove	03190						Yellow-breasted Chat	06830					
Mourning Dove	03160						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910				1	
Great Horned Owl	03750						Cassin's Sparrow	05780					
Elf Owl	03810						Ruf-crowned Sparrow	05800					
Lesser Nighthawk	04210						Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730	4		6	3	4
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940			1	1	1
Blk-chin Hummingbird	04290						Blk-headed Grosbeak	05960					
Ladder-back Woodpkr	03960						Blue Grosbeak	05970					
unid. Empid Flycatcher	04679						Varied Bunting	06000					
Say's Phoebe	04570						Painted Bunting	06010					
Vermilion Flycatcher	04710						Eastern Meadowlark	05010					
Ash-throat Flycatcher	04540				1		Western Meadowlark	05011					
Cassin's Kingbird	04480						Bronzed Cowbird	04960					
Western Kingbird	04470						Brn-headed Cowbird	04950					
unid. Kingbird	04447						Scott's Oriole	05040					
Loggerhead Shrike	06220						House Finch	05190					
Bell's Vireo	06330						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						House Sparrow	06882					
Common Raven	04860						NBr ☐						
Violet-Green Swallow	06150						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Barn Swallow	06130						☐						
Verdin	07460						☐						
Cactus Wren	07130	2	2	2	4	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
2998 **VEHICLES**			1	1			Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

1333353876

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp Wind Sky: 74 | 0 | 0

Mileage/time(optional):

Species	AOU	Stops 31	32	33	34	35
Scaled Quail	02930			1	2	
Turkey Vulture	03250			2	1	
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850		1			
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Chihuahuan Raven	04870					
Common Raven	04860					
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130				2	
Verdin	07460	1				
Cactus Wren	07130	5	4	2	3	
Rock Wren	07150					
Canyon Wren	07170			2		

Species	AOU	Stops 31	32	33	34	35
Bewick's Wren	07190				1	
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520	1				
Northern Mockingbird	07030	3	3		1	
Curve-billed Thrasher	07070				2	
Crissal Thrasher	07120		1			
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					1
Lark Sparrow	05520					
Blk-throated Sparrow	05730	7	7	5		3
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	3	2	1		
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970	1		1		
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Scott's Oriole	05040				2	
House Finch	05190					1
Lesser Goldfinch	05300					
House Sparrow	06882				4	
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2998	VEHICLES					1	Check box if non-breeder	101	SCAN FORM
	Excessive Noise:	○	○	○	○	○			Page 2

1970353873

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 36	37	38	39	40
Scaled Quail	02930	3				
Turkey Vulture	03250	2				1
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540		1			
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Chihuahuan Raven	04870					
Common Raven	04860					
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460	1	3			
Cactus Wren	07130	1		1		
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 36	37	38	39	40
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030		2	2		2
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910				2	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	1				
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2				
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	3	1	1	1	
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970				1	1
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950	2				
Scott's Oriole	05040					
House Finch	05190			2		
Lesser Goldfinch	05300					
House Sparrow	06882					
NBr ☒ Indigo bunting					2	
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		Stops 36	37	38	39	40
2998	VEHICLES	2	1	2	1	2
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

101

SCAN FORM Page 10

8035353872

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp Wind Sky: 72 | 1 | 0

Mileage/time(optional):

Species	AOU	Stops 41	42	43	44	45
Scaled Quail	02930				1	1
Turkey Vulture	03250		1			11
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540				1	
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220					
Bell's Vireo	06330	2				1
Chihuahuan Raven	04870					
Common Raven	04860					1
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460					1
Cactus Wren	07130	1			2	1
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 41	42	43	44	45
Bewick's Wren	07190	1	1			
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030	1			2	
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					1
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2	4	1		
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	3	1	3		
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970	1				
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950	1				
Scott's Oriole	05040					
House Finch	05190			1		1
Lesser Goldfinch	05300					
House Sparrow	06882					
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2998	VEHICLES	1	1			9
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder

101

SCAN FORM

2260353876

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2009

Temp Wind Sky: | | | |

Mileage/time(optional): | | | | |

End Time: 10:23 (required) Temp 80 Wind 2 Sky 0

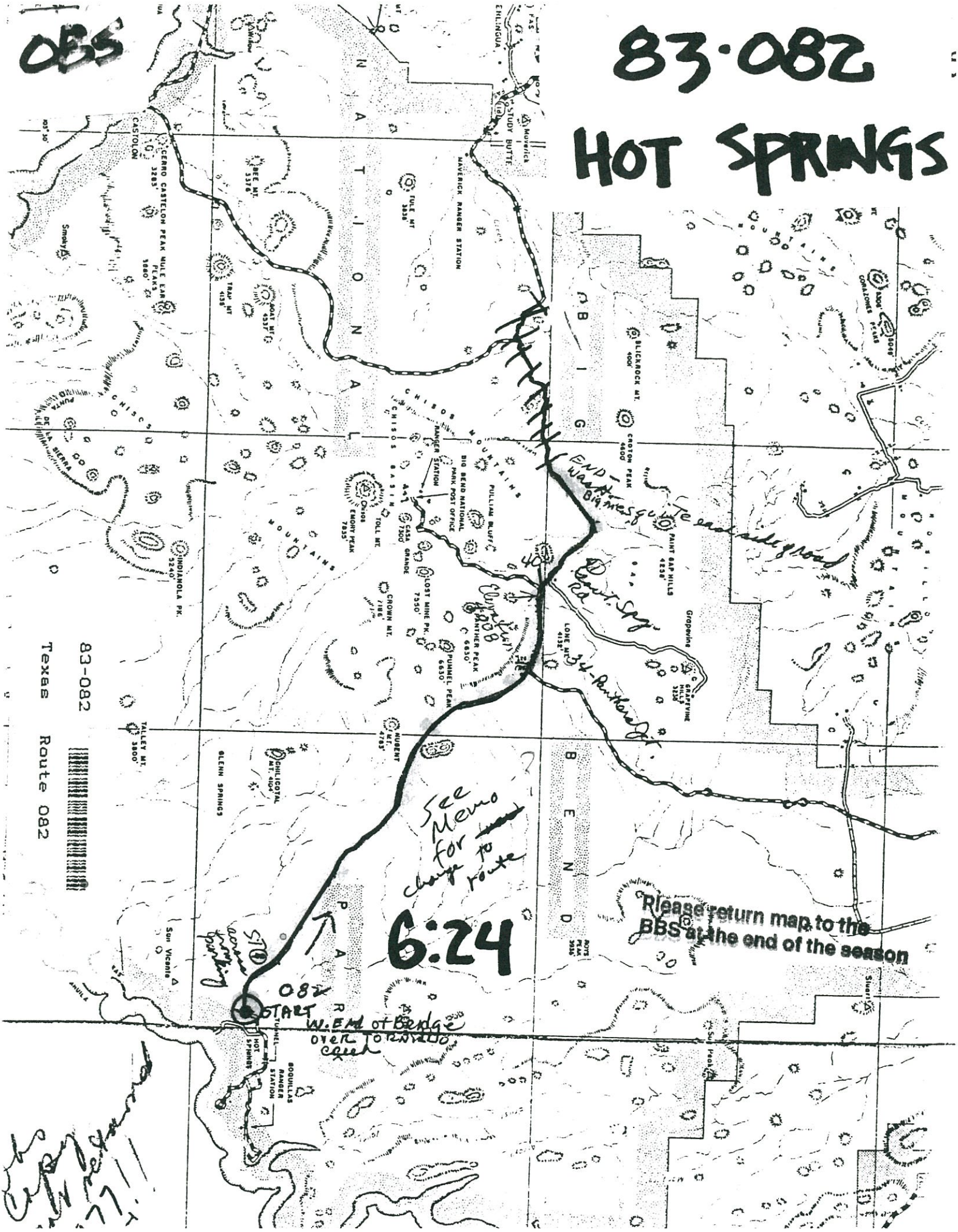
Species	AOU	Stops 46	47	48	49	50
Scaled Quail	02930					3
Turkey Vulture	03250					
Swainson's Hawk	03420					
Red-tailed Hawk	03370					
Killdeer	02730					
Eur Collared-Dove	22860					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Lucifer Hummingbird	04370					
Blk-chin Hummingbird	04290					
Ladder-back Woodpkr	03960					
unid. Empid Flycatcher	04679					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Cassin's Kingbird	04480					
Western Kingbird	04470					
unid. Kingbird	04447					
Loggerhead Shrike	06220	1				
Bell's Vireo	06330				1	3
Chihuahuan Raven	04870					
Common Raven	04860					
Violet-Green Swallow	06150					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Barn Swallow	06130					
Verdin	07460		1	1		1
Cactus Wren	07130	1	1	2	1	
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 46	47	48	49	50
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520			2	1	
Northern Mockingbird	07030					
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730			3		
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	2	3	2	1	
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970		1		1	
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					2
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
House Sparrow	06882					
NBr ☐						
☐						
☐						
☐						
☐						
☐						
☐						
☐						
☐						
☐						

2998	VEHICLES				1	
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

101


OBS
83-082
HOT SPRINGS
83-082
Texas Route 082
See Memo for change to route
6.24
Please return map to the BBS at the end of the season
START W.B.M of Bridge over Tornillo Creek
STOP
Maverick
Study Butte
Castolon
Cerro Castelon Peak
Mule Ear Peaks
Smoky
Chisos Mountains
Chisos Basin
Big Bend National Park Post Office
Pulliam Bluff
Casa Grande
Toll Mt.
Emory Peak
Lost Mine Pk.
Crown Mt.
Pummel Peak
Panther Peak
Lone Mt.
Paint Gap Hills
Grapevine Hills
Croton Peak
Blickrock Mt.
Indianola Pk.
Talley Mt.
Chilicotal Mt.
Hubert Mt.
Glenn Springs
Santa Elena Canyon
Hot Springs
Boquillas Ranger Station
Big Bend
Rte 118
Rte 170
Rte 385

.G BIRD SURVEY ROUTE HOT SPRINGS

Bend National Park, Texas 79834

.e survey stops were located at every mile marker along the route. Stops were also located at every 1/2 mile between the established mile markers, located by the vehicle trip odometer. This met the criteria of a total of 50 survey stops, 1/2 mile apart. Only a few exceptions were made where stops were moved 0.1 mile as indicated as acceptable, when the 1/2 mile was at a dangerous location on the road. Using the mile markers guarentees identical stops in the future, regardless of who conducts the survey. The following is a summary of the stops using the mile markers (abbreviated mm).

1. East end of Tornillo Creek Bridge
2. 0.5½ miles to mm16, River Road
3. 0.6 miles, turnout on right
4. turnout just before mm15 on right
5. 0.6 miles, turnout on left before reflectors guardrails at curve
6. turnout before mm14 on right
7. 0.5 miles, turnout on right
8. mm13, ~~in grass~~ on shoulder on right
9. 0.5 miles in grass across from sign
10. before mm12 on ~~left~~ right
11. 0.4 miles, turnout on right
12. right of mm11 in grass
13. 0.5 miles on right in grass before sign
14. mm10, in grass on right
15. 0.5 miles, on right in front of sign
16. mm9, in grass on right
17. 0.6 miles, turnout on right
18. mm8, in grass on right
19. 0.5 miles in grass on right
20. mm7, in grass on right
21. 0.5 miles, Dugout Wells turnout
22. turnout on left before mm6

, BIRD SURVEY ROUTE (continued) HOT SPRINGS
.id National Park, Texas 79834

0.5 miles on left, Glenn Springs Rd

4. mm5, in grass on right

25. 0.5 miles in grass on right

26. mm4, in grass on right

27. 0.6 miles in grass on left

28. mm3, in grass on ~~right~~ left

29. 0.5 miles in grass on right by draw

30. beyond mm2 at K-Bar turnout

31. 0.5 miles in grass on right

32. mm1, in grass on right

33. 0.5 miles in grass on right

34. Panther Junction parking lot

35. 0.5 miles in grass on right

36. beyond mm1 on right (new sequence of mm beginning with #1)

37. 0.5 miles in grass on right

38. mm2, in grass on right

39. 0.5 miles, turnout on right

40. 0.5 miles on left mm3 ~~Basin Junction Rd, 0.6 miles from last stop (couldn't find mm3)~~

41. right shoulder just beyond Grapevine Hills Rd

42. mm4, on right shoulder

43. 0.5 miles on right shoulder

44. mm5, left on shoulder by big wash

45. 0.5 miles, on right shoulder at beginning of curve

46. mm6, on right

47. turnout on right

48. mm7, on right

49. 0.5 miles on right

50. mm8, on right

Print Route Summary FLIPPO, MARK / Observer

Review the Following Information for Accuracy

Obs Number :	F0171
State/Prov/Terr :	TEXAS
Route :	900 - CHISOS BASIN
Route Type:	Roadside route
Run Method :	101-Standard BBS

Route Summary Information

Date Route Run (MM/DD/YYYY):	05/19/2009	
Start Time(hh:mm) (hh:mm) & Status:	06 : 24	Actual
End Time(hh:mm) (hh:mm) & Status:	10 : 28	Actual
Start Temp & Status:	54 °F	Actual
End Temp & Status:	92	Actual
Start Wind & Status:	0-Smoke rises vertically (<1 mph, <2 Kph)	Actual
End Wind & Status:	1-Wind direction shown by smoke drift (1-3 mph, 2-5 Kph)	Actual
Start Sky & Status:	1-Partly cloudy (scattered) or variable sky	Actual
End Sky & Status:	1-Partly cloudy (scattered) or variable sky	Actual

10 Stop Totals

AOU-Species	1-10	11-20	21-30	31-40	41-50	Total ind.	Total Stops
Scaled Quail	0	6	8	3	8	25	15
Turkey Vulture	1	3	4	3	2	13	10
Peregrine Falcon	1	0	0	0	0	1	1
White-winged Dove	6	0	0	0	0	6	5
Mourning Dove	0	0	0	1	1	2	2
Greater Roadrunner	0	0	1	2	0	3	3
Ladder-backed Woodpecker	0	3	0	0	1	4	3
Western Wood-Pewee	0	0	1	0	0	1	1
Say's Phoebe	0	0	1	1	0	2	2
Ash-throated Flycatcher	0	1	2	3	1	7	7
Bell's Vireo	1	3	4	6	6	20	12
Black-capped Vireo	1	0	0	0	0	1	1
Hutton's Vireo	2	0	0	0	0	2	1
Common Raven	1	0	1	0	0	2	2
Black-crested Titmouse	4	0	0	0	0	4	2
Verdin	0	0	4	2	5	11	9
Cactus Wren	6	18	18	3	5	50	29
Rock Wren	0	0	1	0	0	1	1
Canyon Wren	3	1	0	0	0	4	3
Bewick's Wren	2	4	1	0	0	7	5
Blue-gray Gnatcatcher	12	0	0	0	0	12	5
Black-tailed Gnatcatcher	0	0	3	7	3	13	9
Northern Mockingbird	20	13	6	6	16	61	33
Yellow-breasted Chat	0	0	0	1	1	2	2
Hepatic Tanager	3	0	0	0	0	3	2
Summer Tanager	0	1	0	0	0	1	1
Spotted Towhee	4	0	0	0	0	4	3
Canyon Towhee	9	3	1	0	0	13	9
Cassin's Sparrow	0	0	0	1	0	1	1

Rufous-crowned Sparrow	19	11	0	0	0	30	11
Black-chinned Sparrow	8	0	0	0	0	8	2
Black-throated Sparrow	0	30	22	17	15	84	30
Pyrrhuloxia	0	10	8	6	11	35	20
Black-headed Grosbeak	7	0	0	0	0	7	4
Blue Grosbeak	5	10	2	3	2	22	15
Varied Bunting	1	0	0	0	0	1	1
Brown-headed Cowbird	3	2	2	1	1	9	5
Scott's Oriole	5	4	1	5	1	16	14
House Finch	0	4	4	10	15	33	13
Lesser Goldfinch	0	1	0	0	0	1	1
Total Species:40	**Total ind.:522**						
Vehicles	5	3	3	2	6	19	15
Noise	0	0	0	0	0	0	0

Print Field Sheet and Stops Data FLIPPO, MARK / Observer

Review the Following Information for Accuracy

Obs Number :	F0171
State/Prov/Terr :	TEXAS
Route :	900 - CHISOS BASIN
Route Type:	Roadside route
Run Method :	101-Standard BBS

Route Summary Information

Date Route Run(MM/DD/YYYY):	05/19/2009	
Start Time(hh:mm) (hh:mm) & Status:	06 : 24	Actual
End Time(hh:mm) (hh:mm) & Status:	10 : 28	Actual
Start Temp & Status:	54 °F	Actual
End Temp & Status:	92	Actual
Start Wind & Status:	0 - Smoke rises vertically (<1 mph, <2 Kph)	Actual
End Wind & Status:	1 - Wind direction shown by smoke drift (1-3 mph, 2-5 Kph)	Actual
Start Sky & Status:	1 - Partly cloudy (scattered) or variable sky	Actual
End Sky & Status:	1 - Partly cloudy (scattered) or variable sky	Actual

Questions

1. Did you submit these data to the BBS Office via the Internet?	Yes
2. Do you intend to survey this route next year? (2010) ?	Yes
In the text box below please indicate why you will not be surveying this route next year and, if possible please provide the name and contact information of a potential replacement.	
who will replace?	
3. Did you complete the route?	Yes
Indicate how many stops were sampled?	0
4. If present, were vehicles recorded?	Yes
5. Did someone accompany AND assist with the route?	Yes
Please provide assistant's name.	No
6. Did your assistant record the species data?	
7. Were you the assigned observer for the route? In other words, is your name printed on the data sheet?	Yes
8. Were you paid or otherwise compensated by your employer to survey this route?	Yes
9. Please indicate the number of hours you and any assistants' contribute to the completion of this route. Include time spent on scouting, data collection, data submission, and data review. Round to nearest hour.	8 0

Address Corrections

Is your mailing address, telephone, and e-mail information correct? (•) Yes ( ) No

If no, provide the correct information below. If you survey multiple routes, you need only update this information once.

Last Name:	FLIPPO	**First Name:**	MARK
MI:	R	**NickName :**	
Address Line1:	PO BOX 99	**Address Line2:**	
City	Terlingua	**State/Prov/Terr:**	Texas #83
Zip / Postal			

Code: 79852 **Country:** United States

Phone (Day): 432- 477- 1110 **Phone (Evening):**

Ext: **Ext:**

Email 1: MARK_R_FLIPPO@NPS.GOV **Email 2:**

Field Sheet - Stops Data

AOU-Species	1	2	3	4	5	Non-Breeder
03190-White-winged Dove	2		1		1	No
06300-Black-capped Vireo				1		No
07320-Black-crested Titmouse					3	No
07130-Cactus Wren			1	1		No
07510-Blue-gray Gnatcatcher		2	1		2	No
07030-Northern Mockingbird		2	3	2		No
06090-Hepatic Tanager	2				1	No
05880-Spotted Towhee	1				1	No
05910-Canyon Towhee	2	2			3	No
05800-Rufous-crowned Sparrow	3	5		2	1	No
05650-Black-chinned Sparrow				6	2	No
05960-Black-headed Grosbeak	2				1	No
05970-Blue Grosbeak			1	2		No
05040-Scott's Oriole	1	1			1	No
Number of Vehicles	"	1"	"	"	1"	

Excessive Noise

AOU-Species	6	7	8	9	10	Non-Breeder
03250-Turkey Vulture			1			No
03560-Peregrine Falcon			1			No
03190-White-winged Dove		1	1			No
06330-Bell's Vireo					1	No
06320-Hutton's Vireo	2					No
04860-Common Raven	1					No
07320-Black-crested Titmouse	1					No
07130-Cactus Wren				2	2	No
07170-Canyon Wren	2			1		No
07190-Bewick's Wren	2					No
07510-Blue-gray Gnatcatcher		5	2			No
07030-Northern Mockingbird		4	3	3	3	No
05880-Spotted Towhee		2				No
05910-Canyon Towhee	1	1				No
05800-Rufous-crowned Sparrow	3	1		1	3	No
05960-Black-headed Grosbeak	3			1		No
05970-Blue Grosbeak				1	1	No
06000-Varied Bunting					1	No
04950-Brown-headed Cowbird					3	No
05040-Scott's Oriole		1		1		No
Number of Vehicles		1		1	1	

Excessive Noise

AOU-Species	11	12	13	14	15	Non-Breeder
02930-Scaled Quail		2				No
03250-Turkey Vulture				1		No
03960-Ladder-backed Woodpecker	2		1			No
04540-Ash-throated Flycatcher			1			No
07130-Cactus Wren	2	1	2	2	1	No
07190-Bewick's Wren	2		1		1	No
07030-Northern Mockingbird	1	3	3	1		No

05910-Canyon Towhee	1		1			No
05800-Rufous-crowned Sparrow	5		4	2		No
05730-Black-throated Sparrow	4	3	4	5	2	No
05940-Pyrrhuloxia					1	No
05970-Blue Grosbeak	1	1	1		4	No
05040-Scott's Oriole			1	1		No
Number of Vehicles	1					
Excessive Noise						

AOU-Species	**16**	**17**	**18**	**19**	**20**	**Non-Breeder**
02930-Scaled Quail	3	1				No
03250-Turkey Vulture		1	1			No
06330-Bell's Vireo			3			No
07130-Cactus Wren	1	2	2	4	1	No
07170-Canyon Wren	1					No
07030-Northern Mockingbird		2	2		1	No
06100-Summer Tanager				1		No
05910-Canyon Towhee	1					No
05730-Black-throated Sparrow	3	4		1	4	No
05940-Pyrrhuloxia	2	2	2	2	1	No
05970-Blue Grosbeak			2		1	No
04950-Brown-headed Cowbird	2					No
05040-Scott's Oriole				2		No
05190-House Finch				4		No
05300-Lesser Goldfinch	1					No
Number of Vehicles			1		1	
Excessive Noise						

AOU-Species	**21**	**22**	**23**	**24**	**25**	**Non-Breeder**
02930-Scaled Quail	1	2	2	2	1	No
03850-Greater Roadrunner			1			No
04620-Western Wood-Pewee			1			No
04570-Say's Phoebe		1				No
06330-Bell's Vireo	1		2		1	No
07460-Verdin		1	2		1	No
07130-Cactus Wren	2	3	1	1	3	No
07190-Bewick's Wren			1			No
07520-Black-tailed Gnatcatcher				1	1	No
07030-Northern Mockingbird	1	1	1	1	1	No
05910-Canyon Towhee				1		No
05730-Black-throated Sparrow	1		3	4		No
05940-Pyrrhuloxia		1		1	2	No
05970-Blue Grosbeak					1	No
04950-Brown-headed Cowbird	2					No
Number of Vehicles						
Excessive Noise						

AOU-Species	**26**	**27**	**28**	**29**	**30**	**Non-Breeder**
03250-Turkey Vulture		4				No

04540-Ash-throated Flycatcher	1				1	No
04860-Common Raven					1	No
07130-Cactus Wren	3	3		2		No
07150-Rock Wren	1					No
07520-Black-tailed Gnatcatcher				1		No
07030-Northern Mockingbird	1					No
05730-Black-throated Sparrow	5	2	1	3	3	No
05940-Pyrrhuloxia	1		1		2	No
05970-Blue Grosbeak			1			No
05040-Scott's Oriole				1		No
05190-House Finch		2		1	1	No
Number of Vehicles			2		1	
Excessive Noise						

AOU-Species	**31**	**32**	**33**	**34**	**35**	**Non-Breeder**
03250-Turkey Vulture		1				No
03160-Mourning Dove			1			No
03850-Greater Roadrunner	1	1				No
04570-Say's Phoebe	1					No
04540-Ash-throated Flycatcher		1	1			No
07130-Cactus Wren	1					No
07520-Black-tailed Gnatcatcher	2		1			No
07030-Northern Mockingbird			1		1	No
06830-Yellow-breasted Chat	1					No
05730-Black-throated Sparrow		2	4			No
05940-Pyrrhuloxia	1					No
05970-Blue Grosbeak		1	2			No
04950-Brown-headed Cowbird	1					No
05040-Scott's Oriole				1		No
Number of Vehicles			1			
Excessive Noise						

AOU-Species	**36**	**37**	**38**	**39**	**40**	**Non-Breeder**
02930-Scaled Quail			1		2	No
03250-Turkey Vulture	1			1		No
04540-Ash-throated Flycatcher				1		No
06330-Bell's Vireo		1	2	2	1	No
07460-Verdin				1	1	No
07130-Cactus Wren			1		1	No
07520-Black-tailed Gnatcatcher				3	1	No
07030-Northern Mockingbird		2	1		1	No
05780-Cassin's Sparrow	1					No
05730-Black-throated Sparrow	2	1	3	3	2	No
05940-Pyrrhuloxia			2	3		No
05040-Scott's Oriole		1	2	1		No
05190-House Finch			1		9	No
Number of Vehicles				1		
Excessive Noise						

AOU-Species	**41**	**42**	**43**	**44**	**45**	**Non-Breeder**
02930-Scaled Quail				2	1	No
03250-Turkey Vulture	1					No
03960-Ladder-backed Woodpecker			1			No
06330-Bell's Vireo			4		1	No
07460-Verdin			1		2	No
07130-Cactus Wren		2	1			No
07030-Northern Mockingbird	1	1	1	4	3	No
06830-Yellow-breasted Chat			1			No
05730-Black-throated Sparrow				2	2	No
05940-Pyrrhuloxia			1		4	No
05970-Blue Grosbeak			2			No
04950-Brown-headed Cowbird					1	No

05190-House Finch	2	1		1		No
Number of Vehicles			1			
Excessive Noise						

AOU-Species	**46**	**47**	**48**	**49**	**50**	**Non-Breeder**
02930-Scaled Quail	2	2			1	No
03250-Turkey Vulture					1	No
03160-Mourning Dove				1		No
04540-Ash-throated Flycatcher	1					No
06330-Bell's Vireo	1					No
07460-Verdin		1		1		No
07130-Cactus Wren			1		1	No
07520-Black-tailed Gnatcatcher			2	1		No
07030-Northern Mockingbird	2	2	2			No
05730-Black-throated Sparrow	2	5		2	2	No
05940-Pyrrhuloxia	2			1	3	No
05040-Scott's Oriole	1					No
05190-House Finch	5	3	1		2	No
Number of Vehicles		3		2		
Excessive Noise						

Comments

General Comments, Suggestions, Questions or Stories from the field : (Max. 1000 char)

Incomplete Route or Route Problem Comments : (Max. 1000 char)

Route Vacancy and Observer Replacement Comments : (Max. 1000 char)

Comments to Document Rare, Migrant, and Nonbreeding Species : (Max. 1000 char)

6728353879

2009 N.A. Breeding Bird Survey Data Form, UNITED STATES

Please complete numbered items below after surveying route.

Observer # F 0 1 7 1 is currently assigned to BBS route 8 3 - 9 0 0 CHISOS BASIN

VALID SURVEY DATES AND START TIME

Survey route on or between these dates.

Start date (mm/dd) 0 5 / 0 7

End date (mm/dd) 0 6 / 3 0

Official Start Time: 0624

ROUTE SUMMARY INFORMATION

Complete steps 1-14.

1. Date Route Run (mm/dd/yyyy)

0 5 / 1 9 / 2 0 0 9

2. Start time (hh:mm) 0 6 : 2 4 **End time** 1 0 : 2 8

3. Start temp 0 5 4 **End temp** 0 9 2 ○ Celsius ● Fahrenheit

4. Start wind

0	1	2	3	4	5
●	○	○	○	○	○

End wind

0	1	2	3	4	5
○	●	○	○	○	○

5. Start sky

0	1	2	4	5	7	8
○	●	○	○	○	○	○

End sky

0	1	2	4	5	7	8
○	●	○	○	○	○	○

*It is important to record time and weather data in the field when you collect your bird data. If you have estimated a value **after the fact** however, it is important that you make note of that below.*

Check only those boxes corresponding to values that you did not measure or record in the field.

Date	StartTime	StartTemp	StartWind	StartSky
☐	☐	☐	☐	☐
	EndTime	**EndTemp**	**EndWind**	**EndSky**
	☐	☐	☐	☐

OBSERVER & ROUTE MANAGEMENT INFORMATION

	Y	N
6. Were these data submitted via the Internet?	●	○
7. Do you intend to survey the route next year?	●	○
If not participating further, please use the comment form to indicate why, and if possible, provide the name and contact information of a potential replacement.		
8. Did you complete the route?	●	○
8a. If no to 8, indicate how many stops were sampled (0-49).		
9. Were number of passing vehicles recorded during count?	●	○
10. Did someone assist with your route? If yes, please provide assistant's first and last name in box below.	○	●
10a. If yes to 10, did your assistant record the data?	○	○
11. Does your name appear in the assigned observer box below? If no, please complete page 2.	●	○
12. Is your contact information below correct? If no, please provide correct information on reverse side.	●	○
13. Were you paid or otherwise compensated by your **employer** to survey this route?	●	○

14. Please indicate the number of hours you and any assistants contributed to the completion of this route. Include total time spent on scouting trip, data collection, travel to and from route, data submission, and data review. Write numbers in boxes and fill in corresponding circles. Please round to nearest whole hour.

	Observer's Hours 0 8	Assistants' Hours
0	●	○
1	○	○
2	○	○
3	○	○
4	○	○
5	○	○
6	○	○
7	○	○
8	●	○
9	○	○

Contact Information Corrections:

Please make all necessary corrections to contact information on reverse side.

4 3 2 / 4 7 7 - 1 1 1 0

/ -

MARK_R_FLIPPO@NPS.GOV

Birth(MMDD):

Assigned BBS observer:

MARK R FLIPPO

PO BOX 99

Terlingua TX 79852

United States

Office use only

840 2009

PAPERWORK REDUCTION ACT STATEMENT: A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control Number. Public burden for the collection of this information is estimated to average five hours per response. Comments regarding this collection of information should be directed to the Bureau Clearance Officer, U.S. Geological Survey, 807 National Center, Virginia 20192. OMB NO. 1028-0079 Expiration Date: 5/31/2008

RPID 101 3104

SCAN FORM

8238353877 If you sample multiple routes, you need update your address on only one set of forms.

CONTACT INFORMATION CORRECTIONS: use CAPITAL letters & avoid contact with edges of box.

First Name | **M.I.** | **Last Name**

Nickname (if applicable)

Birth Month & Day (mm/dd) / Birth month/day information will help prevent creation of duplicate observer records in the database. It is optional.

Mailing Address

City | **St./Prov.** | **Zip/Postal Code**

Indicate country by filling in corresponding bubble. **Country:** ○ Canada ○ Mexico ○ U.S.A

Area Code / Telephone Number (Day) / -

E-mail Address 1

Area Code / Telephone Number (Evening) / -

E-mail Address 2

Brief BBS Instructions.

- All forms must be completed and returned by July 15; if you will not be able to conduct the survey, please contact your provincial, state or territorial BBS coordinator, or the national BBS office, ASAP.
- START EXACTLY ONE-HALF HOUR BEFORE SUNRISE. Start time provided on first page of data sheet.
- Each stop should be for 3 minutes and routes should be completed within 4 - 5 hours.
- Count individuals of each species seen within 0.25 miles/0.4 km or heard from any distance.
- Only count adult birds; do not count young in the nest, fledglings, or the dependent young of waterbirds, gallinaceous birds, and shorebirds. Do not count individuals more than once.
- Write in any species not listed on form; lower case letters and abbreviations acceptable. If it is a nonbreeding species for your area, please fill in the corresponding box next to the write-in species.
- In row provided at bottom of field sheets record number of vehicles that pass by during each 3-min stop. Also fill in the "excessive noise" bubble if you feel constant excessive noise other than passing vehicles (e.g. a nearby lawnmower, crop duster, or babbling brook) seriously impaired your ability to hear birds at that stop.
- Record weather conditions and time at beginning and end of route, and complete route summary and management information.
- For optimal character recognition, press firmly with dark pencil or ink pen (not felt-tipped) when completing the forms.
- Verify your address before returning form, and return route map with your completed data sheets.

Always read the detailed instructions before running your route.

Wind Speed Codes:

Beaufort Scale	Wind speed indicators
0	Smoke rises vertically (<1 mph, <2 kph)
1	Wind direction shown by smoke drift (1-3 mph, 2-5 kph)
2	Wind felt on face; leaves rustle (4-7 mph, 6-12 kph)
3	Leaves, small twigs in constant motion (8-12 mph, 13-19 kph)
4	Dust rises; small branches move (13-18 mph, 20-29 kph)
5	Small trees in leaf begin to sway (19-24 mph, 30-38 kph)

Sky Condition Codes:

National Weather Service Codes	Sky condition indicators
0	Clear or few clouds
1	Partly cloudy (scattered) or variable sky
2	Cloudy (broken) or overcast
4	Fog or smoke
5	Drizzle
7	Snow
8	Showers

Many thanks for all your help!

1487353876

Official Start Time: 0624
Actual Start Time: 0624

(required) Temp | Wind | Sky: 54 | 0 | 1

Country Code: 840 | Route name: CHISOS BASIN | Route Number: 83900

Date (mm/dd/yyyy): 05/19/2009

Mileage/time(optional):

Observer's Name: Mark Flippo

Species	AOU	Stops 1	2	3	4	5
Scaled Quail	02930					
Turkey Vulture	03250					
Red-tailed Hawk	03370					
White-winged Dove	03190	2		1		1
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Black-capped Vireo	06300				1	
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					3
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130			1	1	
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 1	2	3	4	5
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510		2	1		2
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030		2	3	2	
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090	2				1
Summer Tanager	06100					
Spotted Towhee	05880	1				1
Canyon Towhee	05910	2	2			3
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	3	5		2	1
Blk-chinned Sparrow	05650				6	2
Blk-throated Sparrow	05730					
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940					
Blk-headed Grosbeak	05960	2				1
Blue Grosbeak	05970			1	2	
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040	1	1			1
House Finch	05190					
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3104 VEHICLES: 1 | 1

Excessive Noise

Check box if

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SCAN FORM

9234353874

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 6	7	8	9	10	Species	AOU	Stops 6	7	8	9	10
Scaled Quail	02930						Bewick's Wren	07190	2				
Turkey Vulture	03250			1			Blue-gry Gnatcatcher	07510		5	2		
Red-tailed Hawk	03370						Blk-tail Gnatcatcher	07520					
White-winged Dove	03190		1	1			Northern Mockingbird	07030		4	3	3	3
Mourning Dove	03160						Curve-billed Thrasher	07070					
Greater Roadrunner	03850						Crissal Thrasher	07120					
Great Horned Owl	03750						Phainopepla	06200					
Lesser Nighthawk	04210						Yellow-breasted Chat	06830					
Common Nighthawk	04200						Hepatic Tanager	06090					
Common Poorwill	04180						Summer Tanager	06100					
White-throated Swift	04250						Spotted Towhee	05880		2			
Blk-chin Hummingbird	04290						Canyon Towhee	05910	1	1			
Brd-tail Hummingbird	04320						Cassin's Sparrow	05780					
Acorn Woodpecker	04070						Ruf-crowned Sparrow	05800	3	1		1	3
Ladder-back Woodpkr	03960						Blk-chinned Sparrow	05650					
Western Wood-Pewee	04620						Blk-throated Sparrow	05730					
Say's Phoebe	04570						Lark Bunting	06050					
Vermilion Flycatcher	04710						Northern Cardinal	05930					
Ash-throat Flycatcher	04540						Pyrrhuloxia	05940					
Cassin's Kingbird	04480						Blk-headed Grosbeak	05960	3			1	
Western Kingbird	04470						Blue Grosbeak	05970				1	1
Loggerhead Shrike	06220						Varied Bunting	06000					1
Bell's Vireo	06330					1	Painted Bunting	06010					
Black-capped Vireo	06300						Eastern Meadowlark	05010					
Gray Vireo	06340						Western Meadowlark	05011					
Hutton's Vireo	06320	2					Brn-headed Cowbird	04950					3
Mexican Jay	04820						Scott's Oriole	05040		1		1	
Chihuahuan Raven	04870						House Finch	05190					
Common Raven	04860	1					NBr ☐ Peregrine falcon				1		
Cliff Swallow	06120						☐						
Barn Swallow	06130						☐						
Blk-crested Titmouse	07320	1					☐						
Verdin	07460						☐						
Bushtit	07430						☐						
Cactus Wren	07130				2	2	☐						
Rock Wren	07150						☐						
Canyon Wren	07170	2			1		☐						
VEHICLES			1		1	1							
Excessive Noise:		○	○	○	○	○							

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Check box if non-breeder.

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SCAN FORM

5702353870

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp | Wind | Sky: 60 | 0 | 1

Mileage/time(optional):

Species	AOU	Stops 11	12	13	14	15
Scaled Quail	02930		2			
Turkey Vulture	03250				1	
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960	2		1		
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540			1		
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130	2	1	2	2	1
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 11	12	13	14	15
Bewick's Wren	07190	2		1		1
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030	1	3	3	1	
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910	1		1		
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	5		4	2	
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	4	3	4	5	2
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940					1
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970	1	1	1		4
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040			1	1	
House Finch	05190					
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3104 **VEHICLES** 1

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder

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SCAN FORM

2511353875

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 16	17	18	19	20
Scaled Quail	02930	3	1			
Turkey Vulture	03250		1	1		
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330			3		
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130	1	2	2	4	1
Rock Wren	07150					
Canyon Wren	07170	1				

Species	AOU	Stops 16	17	18	19	20
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030		2	2		1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090					
Summer Tanager	06100				1	
Spotted Towhee	05880					
Canyon Towhee	05910	1				
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	3	4		1	4
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	2	2	2	2	1
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970			2		1
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950	2				
Scott's Oriole	05040				2	
House Finch	05190				4	
NBr ☐ Lesser goldfinch		1				
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3104	VEHICLES			1		1
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

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SCAN FORM
Page 6

9334353875

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp	Wind	Sky
69	1	2

Mileage/time(optional):

Species	AOU	Stops 21	22	23	24	25
Scaled Quail	02930	1	2	2	2	1
Turkey Vulture	03250					
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850			1		
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620			1		
Say's Phoebe	04570		1			
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330	1		2		1
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460		1	2		1
Bushtit	07430					
Cactus Wren	07130	2	3	1	1	3
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 21	22	23	24	25
Bewick's Wren	07190			1		
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520				1	1
Northern Mockingbird	07030	1	1	1	1	1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910				1	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	1		3	4	
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940		1		1	2
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					1
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950	2				
Scott's Oriole	05040					
House Finch	05190					
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3104 **VEHICLES**

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder

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SCAN FORM

8607353877

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 26	27	28	29	30
Scaled Quail	02930					
Turkey Vulture	03250		4			
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540	1				1
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					1
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130	3	3		2	
Rock Wren	07150	1				
Canyon Wren	07170					

Species	AOU	Stops 26	27	28	29	30
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520				1	
Northern Mockingbird	07030	1				
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	5	2	1	3	3
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	1		1		2
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970			1		
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040				1	
House Finch	05190		2		1	1
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		26	27	28	29	30
	VEHICLES			2		1
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

1333353876

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp Wind Sky: 72 | 2 | 1

Mileage/time(optional):

Species	AOU	Stops 31	32	33	34	35
Scaled Quail	02930					
Turkey Vulture	03250		1			
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160			1		
Greater Roadrunner	03850	1	1			
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620					
Say's Phoebe	04570	1				
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540		1	1		
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130	1				
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 31	32	33	34	35
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520	2		1		
Northern Mockingbird	07030			1		1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830	1				
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730		2	4		
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	1				
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970		1	2		
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950	1				
Scott's Oriole	05040				1	
House Finch	05190					
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3104 VEHICLES			1			Check box if non-breeder.
Excessive Noise:	○	○	○	○	○	

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SCAN FORM

1970353873

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 36	37	38	39	40
Scaled Quail	02930			1		2
Turkey Vulture	03250	1			1	
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540				1	
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330		1	2	2	1
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460				1	1
Bushtit	07430					
Cactus Wren	07130			1		1
Rock Wren	07150					
Canyon Wren	07170					
3104 VEHICLES					1	
Excessive Noise:		○	○	○	○	○

Species	AOU	Stops 36	37	38	39	40
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520				3	1
Northern Mockingbird	07030		2	1		1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910					
Cassin's Sparrow	05780	1				
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	2	1	3	3	2
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940			2	3	
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040		1	2	1	
House Finch	05190			1		9
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Check box if non-breeder.

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SCAN FORM Page 10

8035353872

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp	Wind	Sky
80	2	1

Mileage/time(optional):

Species	AOU	41	42	43	44	45
Scaled Quail	02930				2	1
Turkey Vulture	03250	1				
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160					
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960			1		
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330			4		1
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460			1		2
Bushtit	07430					
Cactus Wren	07130		2	1		
Rock Wren	07150					
Canyon Wren	07170					
3104 VEHICLES				1		
Excessive Noise:		○	○	○	○	○

NBr	Species	AOU	41	42	43	44	45
	Bewick's Wren	07190					
	Blue-gry Gnatcatcher	07510					
	Blk-tail Gnatcatcher	07520					
	Northern Mockingbird	07030	1	1	1	4	3
	Curve-billed Thrasher	07070					
	Crissal Thrasher	07120					
	Phainopepla	06200					
	Yellow-breasted Chat	06830			1		
	Hepatic Tanager	06090					
	Summer Tanager	06100					
	Spotted Towhee	05880					
	Canyon Towhee	05910					
	Cassin's Sparrow	05780					
	Ruf-crowned Sparrow	05800					
	Blk-chinned Sparrow	05650					
	Blk-throated Sparrow	05730				2	2
	Lark Bunting	06050					
	Northern Cardinal	05930					
	Pyrrhuloxia	05940			1		4
	Blk-headed Grosbeak	05960					
	Blue Grosbeak	05970			2		
	Varied Bunting	06000					
	Painted Bunting	06010					
	Eastern Meadowlark	05010					
	Western Meadowlark	05011					
	Brn-headed Cowbird	04950					1
	Scott's Oriole	05040					
	House Finch	05190	2	1		1	
☐							
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☐							
☐							

Check box if non-breeder

101

SCAN FORM

2260353876

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2009

Temp Wind Sky: | | | |

Mileage/time(optional): | | | | | |

End Time: 10:28 (required) Temp 92 Wind 0 Sky 1

Species	AOU	Stops 46	47	48	49	50
Scaled Quail	02930	2	2			1
Turkey Vulture	03250					1
Red-tailed Hawk	03370					
White-winged Dove	03190					
Mourning Dove	03160				1	
Greater Roadrunner	03850					
Great Horned Owl	03750					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Blk-chin Hummingbird	04290					
Brd-tail Hummingbird	04320					
Acorn Woodpecker	04070					
Ladder-back Woodpkr	03960					
Western Wood-Pewee	04620					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540	1				
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330	1				
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Barn Swallow	06130					
Blk-crested Titmouse	07320					
Verdin	07460		1		1	
Bushtit	07430					
Cactus Wren	07130			1		1
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 46	47	48	49	50
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520			2	1	
Northern Mockingbird	07030	2	2	2		
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	2	5		2	2
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	2			1	3
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Eastern Meadowlark	05010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040	1				
House Finch	05190	5	3	1		2
NBr ☐						
☐						
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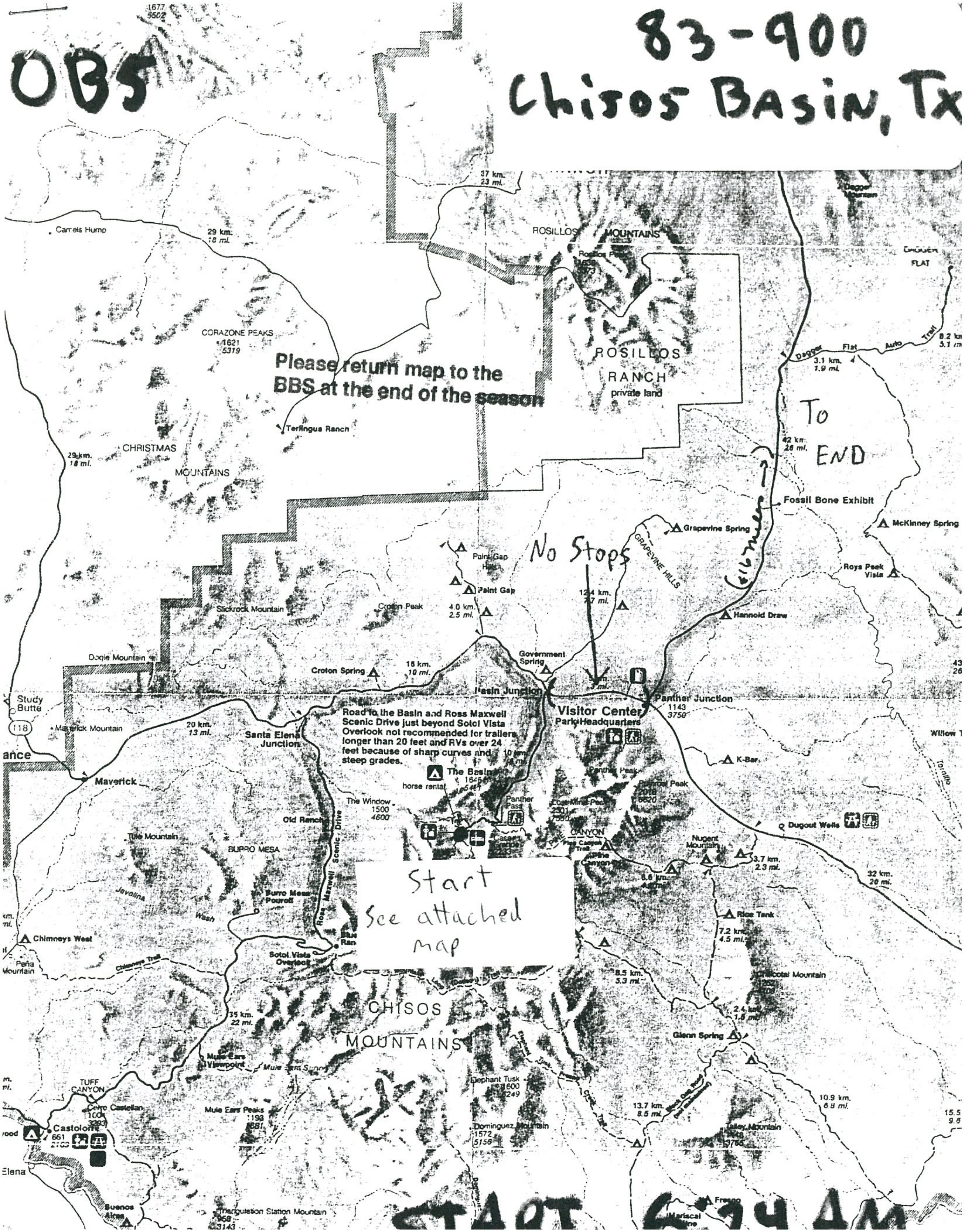
3104 **VEHICLES** | | 3 | | 2 | |

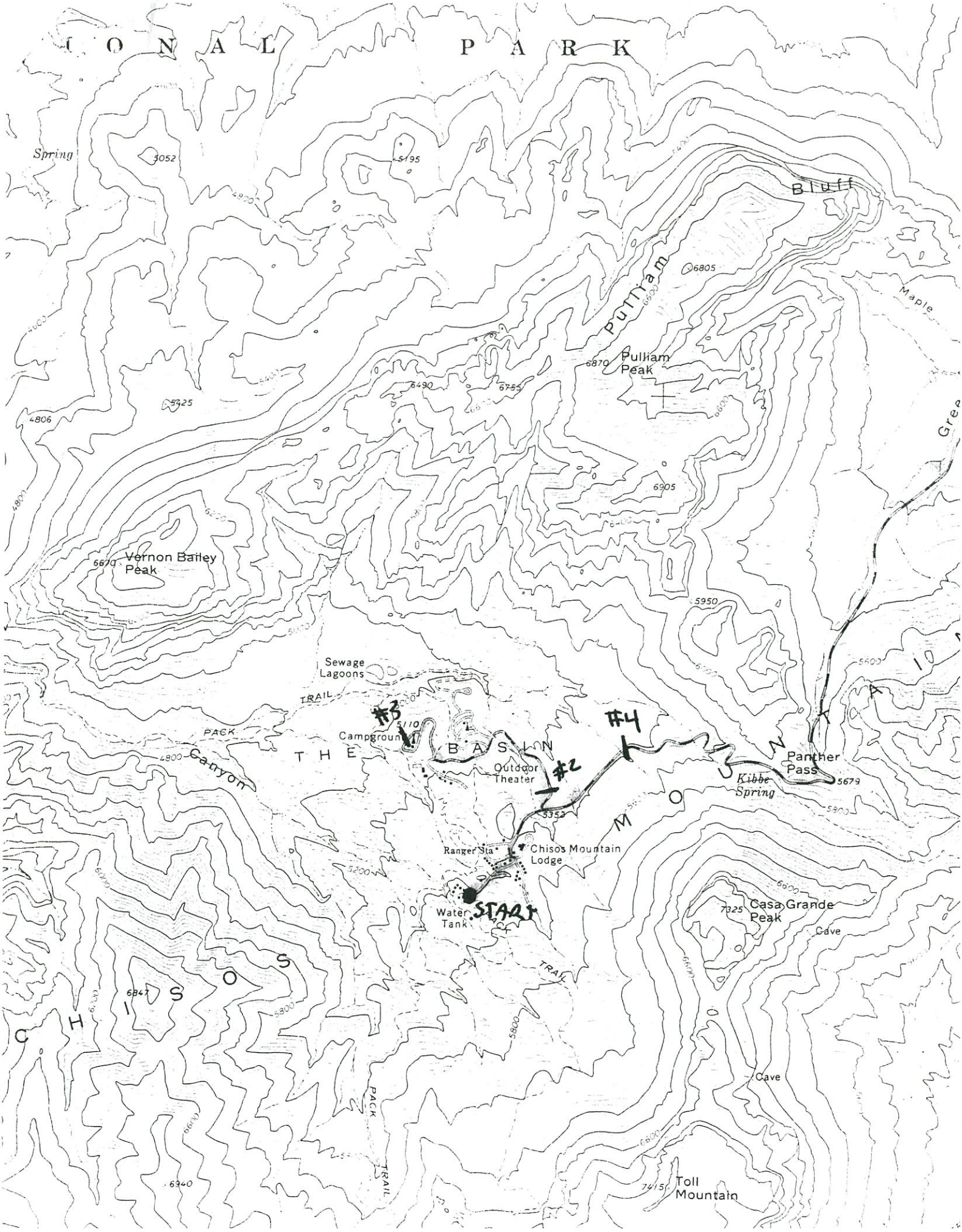
Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder.

101




OBS
83-900
Chisos Basin, Tx
Please return map to the BBS at the end of the season
To END
(16 miles)
No Stops
Start
See attached map
START 6:24 AM
Camels Hump
29 km.
18 mi.
37 km.
23 mi.
ROSILLOS
MOUNTAINS
CORAZONE PEAKS
1621
5319
ROSILLOS
RANCH
private land
Terlingua Ranch
CHRISTMAS
MOUNTAINS
Dagger Flat Auto Trail
3.1 km.
1.9 mi.
42 km.
26 mi.
Fossil Bone Exhibit
McKinney Spring
Grapevine Spring
GRAPEVINE HILLS
Roys Peak Vista
Paint Gap Hills
Paint Gap
Croton Peak
4.0 km.
2.5 mi.
12.4 km.
7.7 mi.
Hannold Draw
Slickrock Mountain
Dogie Mountain
Croton Spring
16 km.
10 mi.
Government Spring
Basin Junction
Visitor Center
Park Headquarters
Panther Junction
1143
3750
Study Butte
118
Maverick Mountain
20 km.
13 mi.
Santa Elena Junction
Road to the Basin and Ross Maxwell Scenic Drive just beyond Sotol Vista Overlook not recommended for trailers longer than 20 feet and RVs over 24 feet because of sharp curves and steep grades.
K-Bar
Maverick
The Basin
horse rental
The Window
1500
4600
Panther Peak
Panther Pass
Pulliam Peak
Casa Grande Peak
Dugout Wells
Old Ranch
Ross Maxwell Scenic Drive
Tule Mountain
BURRO MESA
CANYON
Pine Canyon Trail
Nugent Mountain
3.7 km.
2.3 mi.
32 km.
20 mi.
Javelina Wash
Burro Mesa Pouroff
Rice Tank
7.2 km.
4.5 mi.
Chimneys West
Sotol Vista Overlook
Chimneys Trail
Chilicotal Mountain
8.5 km.
5.3 mi.
CHISOS
MOUNTAINS
35 km.
22 mi.
2.4 km.
1.5 mi.
Glenn Spring
Mule Ears Viewpoint
Mule Ears Spring
TUFF CANYON
Cerro Castellan
Elephant Tusk
Mule Ears Peaks
13.7 km.
8.5 mi.
10.9 km.
6.8 mi.
Castolon
Dominguez Mountain
Talley Mountain
Elena
Buenos Aires
Triangulation Station Mountain
Fresno
Mariscal Mine


Bluff
Pulliam Peak
6870
Vernon Bailey Peak
6670
Sewage Lagoons
TRAIL
PACK
Campground
5110
#3
#2
#4
THE BASIN
Outdoor Theater
Ranger Sta.
Chisos Mountain Lodge
Water Tank
START
Canyon
Panther Pass
5679
Kibbe Spring
Casa Grande Peak
7325
Cave
Toll Mountain
7415
CHISOS
6847
6940
5195
6805
6905
5950
5353
5325
6755
6490
6401
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500

BREEDING BIRD SURVEY CHISOS BASIN

Big Bend National Park, Texas 79834

Where mile markers were present, the survey stops were located at every mile marker along the route. Stops were also located at every 1/2 mile between the established mile markers, located by the vehicle trip odometer. This met the criteria of a total of 50 survey stops, 1/2 mile apart. Only a few exceptions were made where stops were moved 0.1 mile as indicated as acceptable, when the 1/2 mile as at a dangerous location on the road. Using the mile markers guarentees identical stops in the future, regardless of who conducts the survey. The following is a summary of the stops beginning at the Stone Cottages and using the vehicle odometer for stops approximately every 1/2 mile. Mile markers (abbreviated mm) were not available until stop #17.

1. start at stone cottages
2. 0.5 to gravel pullout on right, just in front of caution sign
3. 0.5 big pullout on left at entrance to group campground road
   retrace route to stop #2
4. 0.5 to turnout on left
5. 0.6 to lower Lost Mine parking lot
6. 0.5 to pullout below second bridge on right
7. 0.4 turnout on left
   road is very narrow with curves next several miles
8. 0.5 pullout on left before bridge
9. 0.5 to Maple Canyon Rd fire sign on left
10. 0.5 beside road on right - at start of curve - signs.
11. 0.4 pullout on left below bear & lion sign
12. 0.5 ~~pullout~~ on right (no pullout) or left
13. 0.4 to ~~gravel pullout~~ on right beside road
14. 0.5 beside road on right
15. 0.5 big pullout on left

Drive to Panther Junction.
Set trip odometer to 0 at Panther Junction but do not count there.

16. 0.5 beside road on right by dead tree
17. 0.5 on left at gate just beyond 1 mile marker
18. 0.5 pullout on right just beyond rocky outcrop
19. 0.5 beside road just beyond mm2
20. 0.5 beside road on right
21. 0.5 to mm3

22. 0.5 beside road on right

23. Hannold exhibit at mm4

24. 0.5 beside road on ~~right~~ left

25. 0.4½ ~~pullout~~ on right just ~~before~~ after mm5 no pullout

26. 0.5 beside road on right

27. mm6

28. 0.5 beside road on right

29. ~~mm~~7

30. 0.5 beside road on right

31. mm8 just before Tornillo Creek bridge

32. 0.5 beside road on right

33. mm9

34. 0.5 beside road on right

35. mm10

36. 0.5 beside road on right

37. mm11

38. 0.5 beside road on right

39. mm12

40. 0.5 beside road on right

41. mm13 Dagger Flat Road

42. 0.5 beside road on right

43. mm14

44. 0.5 beside road on right

45. mm15

46. 0.5 beside road on right

47. mm16

48. 0.5 beside road on right

49. mm17

50. 0.5 beside road on right

Print Route Summary

FLIPPO, MARK / Observer

Review the Following Information for Accuracy

Obs Number :	F0171
State/Prov/Terr :	TEXAS
Route :	319 - CASTOLON
Route Type:	Roadside route
Run Method :	101-Standard BBS

Route Summary Information

Date Route Run (MM/DD/YYYY):	05/20/2009
Start Time(hh:mm) (hh:mm) & Status:	06 : 24 Actual
End Time(hh:mm) (hh:mm) & Status:	10 : 22 Actual
Start Temp & Status:	64 °F Actual
End Temp & Status:	82 Actual
Start Wind & Status:	1-Wind direction shown by smoke drift (1-3 mph, 2-5 Kph) Actual
End Wind & Status:	1-Wind direction shown by smoke drift (1-3 mph, 2-5 Kph) Actual
Start Sky & Status:	1-Partly cloudy (scattered) or variable sky Actual
End Sky & Status:	1-Partly cloudy (scattered) or variable sky Actual

10 Stop Totals

AOU-Species	1-10	11-20	21-30	31-40	41-50	Total Ind.	Total Stops
Scaled Quail	1	2	6	1	3	13	11
Turkey Vulture	1	4	0	0	5	10	3
Peregrine Falcon	0	0	0	0	2	2	1
White-winged Dove	12	0	0	0	0	12	6
Mourning Dove	13	1	0	0	0	14	8
Greater Roadrunner	0	0	1	0	2	3	3
Great Horned Owl	2	0	0	0	0	2	2
Lesser Nighthawk	19	0	0	0	0	19	6
White-throated Swift	0	0	0	0	1	1	1
Ladder-backed Woodpecker	0	0	0	1	0	1	1
Say's Phoebe	3	5	0	0	0	8	6
Ash-throated Flycatcher	7	4	3	3	3	20	13
Loggerhead Shrike	0	0	1	0	0	1	1
Bell's Vireo	0	0	0	1	2	3	2
Common Raven	0	0	1	0	1	2	2
Verdin	0	1	5	6	6	18	13
Cactus Wren	4	13	9	5	8	39	29
Rock Wren	2	0	0	0	0	2	1
Canyon Wren	5	3	0	0	2	10	6
Bewick's Wren	0	0	2	5	0	7	6
Black-tailed Gnatcatcher	0	1	2	0	5	8	7
Northern Mockingbird	2	0	2	10	10	24	16
Lucy's Warbler	2	0	0	0	0	2	1
Yellow-breasted Chat	10	0	0	0	4	14	6
Summer Tanager	1	0	0	1	0	2	2
Canyon Towhee	1	1	2	5	0	9	6
Rufous-crowned Sparrow	0	0	6	10	1	17	10
Chipping Sparrow	0	0	0	1	0	1	1
Black-throated Sparrow	29	16	24	8	12	89	38

Northern Cardinal	3	0	0	0	0	3	1
Pyrrhuloxia	5	12	9	6	4	36	19
Blue Grosbeak	0	0	2	1	1	4	4
Varied Bunting	0	0	0	0	1	1	1
Painted Bunting	4	0	0	0	0	4	2
Brown-headed Cowbird	0	0	0	3	0	3	2
Scott's Oriole	0	1	2	1	0	4	4
House Finch	7	5	3	0	6	21	11
Total Species:37	**Total ind.:429**						
Vehicles	2	3	3	5	7	20	15
Noise	0	0	0	0	0	0	0

Print Field Sheet and Stops Data

FLIPPO, MARK / Observer

Review the Following Information for Accuracy

Obs Number :	F0171
State/Prov/Terr :	TEXAS
Route :	319 - CASTOLON
Route Type:	Roadside route
Run Method :	101-Standard BBS

Route Summary Information

Date Route Run(MM/DD/YYYY):	05/20/2009	
Start Time(hh:mm) (hh:mm) & Status:	06 : 24 Actual	
End Time(hh:mm) (hh:mm) & Status:	10 : 22 Actual	
Start Temp & Status:	64 °F Actual	
End Temp & Status:	82 Actual	
Start Wind & Status:	1 - Wind direction shown by smoke drift (1-3 mph, 2-5 Kph)	Actual
End Wind & Status:	1 - Wind direction shown by smoke drift (1-3 mph, 2-5 Kph)	Actual
Start Sky & Status:	1 - Partly cloudy (scattered) or variable sky	Actual
End Sky & Status:	1 - Partly cloudy (scattered) or variable sky	Actual

Questions

1. Did you submit these data to the BBS Office via the Internet?	Yes
2. Do you intend to survey this route next year? (2010) ?	Yes
In the text box below please indicate why you will not be surveying this route next year and, if possible please provide the name and contact information of a potential replacement.	
who will replace?	
3. Did you complete the route?	Yes
Indicate how many stops were sampled?	0
4. If present, were vehicles recorded?	Yes
5. Did someone accompany AND assist with the route?	Yes No
Please provide assistant's name.	
6. Did your assistant record the species data?	
7. Were you the assigned observer for the route? In other words, is your name printed on the data sheet?	Yes
8. Were you paid or otherwise compensated by your employer to survey this route?	Yes
9. Please indicate the number of hours you and any assistants' contribute to the completion of this route. Include time spent on scouting, data collection, data submission, and data review. Round to nearest hour.	8 0

Address Corrections

Is your mailing address, telephone, and e-mail information correct? (•) Yes ( ) No

If no, provide the correct information below. If you survey multiple routes, you need only update this information once.

Last Name:	FLIPPO	**First Name:**	MARK
MI:	R	**NickName :**	
Address Line1:	PO BOX 99	**Address Line2:**	
City	Terlingua	**State/Prov/Terr:**	Texas #83
Zip / Postal Code:	79852	**Country:**	United States
Phone (Day):	432- 477- 1110	**Phone (Evening):**	
Ext:		**Ext:**	

Email 1: MARK_R_FLIPPO@NPS.GOV **Email 2:**

Field Sheet - Stops Data

AOU-Species	1	2	3	4	5	Non-Breeder
03250-Turkey Vulture					1	No
03190-White-winged Dove	1	1	4	4	1	No
03160-Mourning Dove	2		2	3	1	No
03750-Great Horned Owl					1	No
04210-Lesser Nighthawk	3	5	2	5	3	No
04540-Ash-throated Flycatcher	1			2	2	No
07030-Northern Mockingbird		1		1		No
06430-Lucy's Warbler			2			No
06830-Yellow-breasted Chat	2	3	3	2		No
06100-Summer Tanager			1			No
05730-Black-throated Sparrow	2	4	3	2	4	No
05930-Northern Cardinal			3			No
06010-Painted Bunting			2	2		No
Number of Vehicles	"	"	"	"	"	
Excessive Noise						

AOU-Species	6	7	8	9	10	Non-Breeder
02930-Scaled Quail	1					No
03190-White-winged Dove		1				No
03160-Mourning Dove		1		2	2	No
03750-Great Horned Owl			1			No
04210-Lesser Nighthawk	1					No
04570-Say's Phoebe		1	1		1	No
04540-Ash-throated Flycatcher				2		No
07130-Cactus Wren			1	2	1	No
07150-Rock Wren		2				No
07170-Canyon Wren		3	2			No
05910-Canyon Towhee				1		No
05730-Black-throated Sparrow	4	3	2	2	3	No
05940-Pyrrhuloxia	3	1			1	No
05190-House Finch	3	1		1	2	No
Number of Vehicles			1		1	
Excessive Noise						

AOU-Species	11	12	13	14	15	Non-Breeder
02930-Scaled Quail		1	1			No
03160-Mourning Dove			1			No
04570-Say's Phoebe				2		No
04540-Ash-throated Flycatcher	1					No
07460-Verdin				1		No
07130-Cactus Wren	2	1	2	1	1	No
07520-Black-tailed Gnatcatcher				1		No
05730-Black-throated Sparrow	1	1	3	2	4	No
05940-Pyrrhuloxia	2		2		3	No
05190-House Finch	2	1				No
Number of Vehicles	1			1		
Excessive Noise						

AOU-Species	16	17	18	19	20	Non-Breeder
03250-Turkey Vulture		4				No
04570-Say's Phoebe		1	2			No
04540-Ash-throated Flycatcher		2	1			No

07130-Cactus Wren	1			3	2	No
07170-Canyon Wren			1	2		No
05910-Canyon Towhee				1		No
05730-Black-throated Sparrow	1	1	2		1	No
05940-Pyrrhuloxia			3	2		No
05040-Scott's Oriole		1				No
05190-House Finch		2				No
Number of Vehicles		1				
Excessive Noise						

AOU-Species	**21**	**22**	**23**	**24**	**25**	**Non-Breeder**
02930-Scaled Quail	1					No
03850-Greater Roadrunner		1				No
04860-Common Raven				1		No
07130-Cactus Wren	1	1	1	1	2	No
05800-Rufous-crowned Sparrow		1				No
05730-Black-throated Sparrow	2	3	2	2	4	No
05940-Pyrrhuloxia			1	1	1	No
Number of Vehicles						
Excessive Noise						

AOU-Species	**26**	**27**	**28**	**29**	**30**	**Non-Breeder**
02930-Scaled Quail	2	1	1	1		No
04540-Ash-throated Flycatcher		2		1		No
06220-Loggerhead Shrike				1		No
07460-Verdin	2				3	No
07130-Cactus Wren	2				1	No
07190-Bewick's Wren				1	1	No
07520-Black-tailed Gnatcatcher	1		1			No
07030-Northern Mockingbird			1		1	No
05910-Canyon Towhee					2	No
05800-Rufous-crowned Sparrow				3	2	No
05730-Black-throated Sparrow		3	2	4	2	No
05940-Pyrrhuloxia	4	2				No
05970-Blue Grosbeak		1			1	No
05040-Scott's Oriole	1				1	No
05190-House Finch		3				No
Number of Vehicles		1	1	1		
Excessive Noise						

AOU-Species	**31**	**32**	**33**	**34**	**35**	**Non-Breeder**
04540-Ash-throated Flycatcher				2		No
07130-Cactus Wren	2	1	1			No
07190-Bewick's Wren	1	2			1	No
07030-Northern Mockingbird	2				1	No
06100-Summer Tanager					1	No
05910-Canyon Towhee	2		2	1		No
05800-Rufous-crowned Sparrow	1	2	1	1		No
05730-Black-throated Sparrow				1	1	No
05940-Pyrrhuloxia				3		No
05970-Blue Grosbeak			1			No
05040-Scott's Oriole			1			No
Number of Vehicles				1		
Excessive Noise						

AOU-Species	**36**	**37**	**38**	**39**	**40**	**Non-Breeder**
02930-Scaled Quail	1					No
03960-Ladder-backed Woodpecker	1					No

04540-Ash-throated Flycatcher				1		No
06330-Bell's Vireo		1				No
07460-Verdin		1	1	3	1	No
07130-Cactus Wren		1				No
07190-Bewick's Wren					1	No
07030-Northern Mockingbird	1	3	1		2	No
05800-Rufous-crowned Sparrow	4				1	No
05600-Chipping Sparrow			1			Yes
05730-Black-throated Sparrow		3			3	No
05940-Pyrrhuloxia				2	1	No
04950-Brown-headed Cowbird		2	1			No
Number of Vehicles		2	2			
Excessive Noise						

AOU-Species	**41**	**42**	**43**	**44**	**45**	**Non-Breeder**
02930-Scaled Quail		1			2	No
03250-Turkey Vulture			5			No
03560-Peregrine Falcon				2		No
03850-Greater Roadrunner			1			No
04250-White-throated Swift				1		No
04540-Ash-throated Flycatcher		1				No
06330-Bell's Vireo		2				No
04860-Common Raven				1		No
07460-Verdin	1		1		1	No
07130-Cactus Wren				1	1	No
07170-Canyon Wren	1	1				No
07520-Black-tailed Gnatcatcher		1	2	1		No
07030-Northern Mockingbird	1	2	2		1	No
06830-Yellow-breasted Chat		1				No
05800-Rufous-crowned Sparrow	1					No
05730-Black-throated Sparrow		3		2	2	No
05940-Pyrrhuloxia			2			No
05970-Blue Grosbeak			1			No
06000-Varied Bunting	1					No
05190-House Finch	1		3			No
Number of Vehicles		1		1		
Excessive Noise						

AOU-Species	**46**	**47**	**48**	**49**	**50**	**Non-Breeder**
03850-Greater Roadrunner				1		No
04540-Ash-throated Flycatcher					2	No
07460-Verdin	1	1	1			No
07130-Cactus Wren	1	1	1	1	2	No
07520-Black-tailed Gnatcatcher					1	No
07030-Northern Mockingbird	2	2				No
06830-Yellow-breasted Chat	3					No
05730-Black-throated Sparrow	2			1	2	No
05940-Pyrrhuloxia			1	1		No
05190-House Finch	2					No
Number of Vehicles		3		2		
Excessive Noise						

Comments

General Comments, Suggestions, Questions or Stories from the field : (Max. 1000 char)

Incomplete Route or Route Problem Comments : (Max. 1000 char)

Route Vacancy and Observer Replacement Comments : (Max. 1000 char)

Comments to Document Rare, Migrant, and Nonbreeding Species : (Max. 1000 char)

BREEDER: Stop 44: A single white-throated swift was observed directly crossing above the observation point in full powered flight. The number, location and elevation (~3500') is unusual during the breeding season, when WTSW is usually found in large flocks in the upper elevations of the Chisos Mountains (5400 - 7900'). Shortly after detection of the swift, two peregrine falcons appeared in tandem pursuit of the swift, alternately rising and diving on the lone prey. Amazingly, the swift avoided multiple attacks (at least four attempts), and was last seen heading west over Burro Mesa, with the falcons in pursuit. I suspect the falcons (documented breeders in the high Chisos) singled out the swift from the main group, and drove it out of the mountains.

6728353879

2009 N.A. Breeding Bird Survey Data Form, UNITED STATES

Please complete numbered items below after surveying route.

Observer # F 0 1 7 1 is currently assigned to BBS route 8 3 - 3 1 9 CASTOLON

VALID SURVEY DATES AND START TIME

Survey route on or between these dates.

Start date (mm/dd) 0 5 / 0 7

End date (mm/dd) 0 6 / 3 0

Official Start Time: 0624

ROUTE SUMMARY INFORMATION

Complete steps 1-14.

1. Date Route Run (mm/dd/yyyy): 05 / 20 / 2009

2. Start time (hh:mm): 06:24 End time: 10:22

3. Start temp: 064 End temp: 082 ○ Celsius ○ Fahrenheit

4. Start wind: 0 1 2 3 4 5 — ○ ● ○ ○ ○ ○ End wind: 0 1 2 3 4 5 — ○ ● ○ ○ ○ ○

5. Start sky: 0 1 2 4 5 7 8 — ○ ● ○ ○ ○ ○ ○ End sky: 0 1 2 4 5 7 8 — ○ ● ○ ○ ○ ○ ○

*It is important to record time and weather data in the field when you collect your bird data. If you have estimated a value **after the fact** however, it is important that you make note of that below.*

Check only those boxes corresponding to values that you did not measure or record in the field.

Date	StartTime	StartTemp	StartWind	StartSky
☐	☐	☐	☐	☐
	EndTime	EndTemp	EndWind	EndSky
	☐	☐	☐	☐

OBSERVER & ROUTE MANAGEMENT INFORMATION

	Y	N
6. Were these data submitted via the Internet?	●	○
7. Do you intend to survey the route next year?	●	○
If not participating further, please use the comment form to indicate why, and if possible, provide the name and contact information of a potential replacement.		
8. Did you complete the route?	●	○
8a. If no to 8, indicate how many stops were sampled (0-49).		
9. Were number of passing vehicles recorded during count?	●	○
10. Did someone assist with your route? If yes, please provide assistant's first and last name in box below.	○	●
10a. If yes to 10, did your assistant record the data?	○	○
11. Does your name appear in the assigned observer box below? If no, please complete page 2.	●	○
12. Is your contact information below correct? If no, please provide correct information on reverse side.	●	○
13. Were you paid or otherwise compensated by your **employer** to survey this route?	●	○

14. Please indicate the number of hours you and any assistants contributed to the completion of this route. Include total time spent on scouting trip, data collection, travel to and from route, data submission, and data review. Write numbers in boxes and fill in corresponding circles. Please round to nearest whole hour.

	Observer's Hours 0 8	Assistants' Hours
0	● ○	○ ○
1	○ ○	○ ○
2	○ ○	○ ○
3	○ ○	○ ○
4	○ ○	○ ○
5	○ ○	○ ○
6	○ ○	○ ○
7	○ ○	○ ○
8	○ ●	○ ○
9	○ ○	○ ○

Contact Information Corrections:

Please make all necessary corrections to contact information on reverse side.

4 3 2 / 4 7 7 - 1 1 1 0

/ -

MARK_R_FLIPPO@NPS.GOV

Birth(MMDD):

Assigned BBS observer:

MARK R FLIPPO

PO BOX 99

Terlingua TX 79852

United States

Office use only

840 2009

PAPERWORK REDUCTION ACT STATEMENT: A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control Number. Public burden for the collection of this information is estimated to average five hours per response. Comments regarding this collection of information should be directed to the Bureau Clearance Officer, U.S. Geological Survey, 807 National Center, Virginia 20192. OMB NO. 1028-0079 Expiration Date: 5/31/2008

RPID 101 3049

SCAN FORM

8238353877 If you sample multiple routes, you need update your address on only one set of forms.

CONTACT INFORMATION CORRECTIONS: use CAPITAL letters & avoid contact with edges of box.

First Name | M.I. | Last Name

Nickname (if applicable)

Birth Month & Day (mm/dd) / Birth month/day information will help prevent creation of duplicate observer records in the database. It is optional.

Mailing Address

City | St./Prov. | Zip/Postal Code

Indicate country by filling in corresponding bubble. Country: ○ Canada ○ Mexico ○ U.S.A

Area Code / Telephone Number (Day)

Area Code / Telephone Number (Evening)

E-mail Address 1

E-mail Address 2

Brief BBS Instructions.

- All forms must be completed and returned by July 15; if you will not be able to conduct the survey, please contact your provincial, state or territorial BBS coordinator, or the national BBS office, ASAP.
- START EXACTLY ONE-HALF HOUR BEFORE SUNRISE. Start time provided on first page of data sheet.
- Each stop should be for 3 minutes and routes should be completed within 4 - 5 hours.
- Count individuals of each species seen within 0.25 miles/0.4 km or heard from any distance.
- Only count adult birds; do not count young in the nest, fledglings, or the dependent young of waterbirds, gallinaceous birds, and shorebirds. Do not count individuals more than once.
- Write in any species not listed on form; lower case letters and abbreviations acceptable. If it is a nonbreeding species for your area, please fill in the corresponding box next to the write-in species.
- In row provided at bottom of field sheets record number of vehicles that pass by during each 3-min stop. Also fill in the "excessive noise" bubble if you feel constant excessive noise other than passing vehicles (e.g. a nearby lawnmower, crop duster, or babbling brook) seriously impaired your ability to hear birds at that stop.
- Record weather conditions and time at beginning and end of route, and complete route summary and management information.
- For optimal character recognition, press firmly with dark pencil or ink pen (not felt-tipped) when completing the forms.
- Verify your address before returning form, and return route map with your completed data sheets.

Always read the detailed instructions before running your route.

Wind Speed Codes:

Beaufort Scale	Wind speed indicators
0	Smoke rises vertically (<1 mph, <2 kph)
1	Wind direction shown by smoke drift (1-3 mph, 2-5 kph)
2	Wind felt on face; leaves rustle (4-7 mph, 6-12 kph)
3	Leaves, small twigs in constant motion (8-12 mph, 13-19 kph)
4	Dust rises; small branches move (13-18 mph, 20-29 kph)
5	Small trees in leaf begin to sway (19-24 mph, 30-38 kph)

Sky Condition Codes:

National Weather Service Codes	Sky condition indicators
0	Clear or few clouds
1	Partly cloudy (scattered) or variable sky
2	Cloudy (broken) or overcast
4	Fog or smoke
5	Drizzle
7	Snow
8	Showers

Many thanks for all your help!

1487353876

Official Start Time: 0624
Actual Start Time: 0624

(required) Temp Wind Sky: 64 1 1

Country Code: 840 | Route name: CASTOLON | Route Number: 83319

Date (mm/dd/yyyy): 05/20/2009

Mileage/time(optional):

Observer's Name: Mark Flippo

Species	AOU	Stops 1	2	3	4	5
Scaled Quail	02930					
Turkey Vulture	03250					1
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190	1	1	4	4	1
Mourning Dove	03160	2		2	3	1
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750					1
Elf Owl	03810					
Lesser Nighthawk	04210	3	5	2	5	3
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540	1			2	2
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460					
Cactus Wren	07130					
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190					

Species	AOU	Stops 1	2	3	4	5
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030		1		1	
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430			2		
Common Yellowthroat	06810					
Yellow-breasted Chat	06830	2	3	3	2	
Summer Tanager	06100			1		
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2	4	3	2	4
Northern Cardinal	05930			3		
Pyrrhuloxia	05940					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010			2	2	
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
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3049 VEHICLES

Excessive Noise:

Check box if

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SCAN FORM

9234353874

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 6	7	8	9	10
Scaled Quail	02930	1				
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190		1			
Mourning Dove	03160		1		2	2
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750			1		
Elf Owl	03810					
Lesser Nighthawk	04210	1				
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570		1	1		1
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540				2	
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460					
Cactus Wren	07130			1	2	1
Rock Wren	07150		2			
Canyon Wren	07170		3	2		
Bewick's Wren	07190					

Species	AOU	Stops 6	7	8	9	10
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030					
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910				1	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	4	3	2	2	3
Northern Cardinal	05930					
Pyrrhuloxia	05940	3	1			1
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190	3	1		1	2
Lesser Goldfinch	05300					
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3049	VEHICLES			1		1
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Check box if non-breeder.

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SCAN FORM

5702353870

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp | Wind | Sky: 66 | 2 | 1

Mileage/time(optional):

Species	AOU	Stops 11	12	13	14	15
Scaled Quail	02930		1	1		
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160			1		
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570				2	
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540	1				
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460				1	
Cactus Wren	07130	2	1	2	1	1
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190					
3049 VEHICLES		1			1	
Excessive Noise:		○	○	○	○	○

Species	AOU	Stops 11	12	13	14	15
Blk-tail Gnatcatcher	07520				1	
Northern Mockingbird	07030					
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	1	1	3	2	4
Northern Cardinal	05930					
Pyrrhuloxia	05940	2		2		3
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190	2	1			
Lesser Goldfinch	05300					
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Check box if non-breeder

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SCAN FORM

2511353875

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 16	17	18	19	20
Scaled Quail	02930					
Turkey Vulture	03250		4			
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570		1	2		
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540		2	1		
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460					
Cactus Wren	07130	1			3	2
Rock Wren	07150					
Canyon Wren	07170			1	2	
Bewick's Wren	07190					

Species	AOU	Stops 16	17	18	19	20
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030					
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910				1	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	1	1	2		1
Northern Cardinal	05930					
Pyrrhuloxia	05940			3	2	
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040		1			
House Finch	05190		2			
Lesser Goldfinch	05300					
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3049 **VEHICLES** | | 1 | | | |

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder.

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SCAN FORM Page 6

9334353875

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 21	22	23	24	25
Scaled Quail	02930	1				
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850		1			
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860				1	
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460					
Cactus Wren	07130	1	1	1	1	2
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190					

Species	AOU	Stops 21	22	23	24	25
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030					
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800		1			
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2	3	2	2	4
Northern Cardinal	05930					
Pyrrhuloxia	05940			1	1	1
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
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3049 **VEHICLES**

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder

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SCAN FORM

8607353877

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 26	27	28	29	30
Scaled Quail	02930	2	1	1	1	
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540		2		1	
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220				1	
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460	2				3
Cactus Wren	07130	2				1
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190				1	1

Species	AOU	Stops 26	27	28	29	30
Blk-tail Gnatcatcher	07520	1		1		
Northern Mockingbird	07030			1		1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					2
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800				3	2
Lark Sparrow	05520					
Blk-throated Sparrow	05730		3	2	4	2
Northern Cardinal	05930					
Pyrrhuloxia	05940	4	2			
Blue Grosbeak	05970		1			1
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040	1				1
House Finch	05190		3			
Lesser Goldfinch	05300					
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VEHICLES		1	1	1		
Excessive Noise:	○	○	○	○	○	

Check box if non-breeder.

1333353876

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp | Wind | Sky: 67 | 1 | 2

Mileage/time(optional):

Species	AOU	Stops 31	32	33	34	35
Scaled Quail	02930					
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540				2	
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460					
Cactus Wren	07130	2	1	1		
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190	1	2			1

Species	AOU	Stops 31	32	33	34	35
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030	2				1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					1
Canyon Towhee	05910	2		2	1	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	1	2	1	1	
Lark Sparrow	05520					
Blk-throated Sparrow	05730				1	1
Northern Cardinal	05930					
Pyrrhuloxia	05940				3	
Blue Grosbeak	05970			1		
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040			1		
House Finch	05190					
Lesser Goldfinch	05300					
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3049 VEHICLES | 1

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder

101

SCAN FORM

1970353873

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 36	37	38	39	40
Scaled Quail	02930	1				
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850					
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960	1				
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540				1	
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330		1			
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460		1	1	3	1
Cactus Wren	07130		1			
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190					1
VEHICLES			2	2		
Excessive Noise:		○	○	○	○	○

Species	AOU	Stops 36	37	38	39	40
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030	1	3	1		2
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	4				1
Lark Sparrow	05520					
Blk-throated Sparrow	05730		3			3
Northern Cardinal	05930					
Pyrrhuloxia	05940				2	1
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950		2	1		
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
NBr ☒ Chipping sparrow				1		
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Check box if non-breeder.

8035353872

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp | Wind | Sky: 78 | 0 | 1

Mileage/time(optional):

Species	AOU	Stops 41	42	43	44	45
Scaled Quail	02930		1			2
Turkey Vulture	03250			5		
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850			1		
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250				1	
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540		1			
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330		2			
Gray Vireo	06340					
Common Raven	04860			1		
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460	1		1		1
Cactus Wren	07130				1	1
Rock Wren	07150					
Canyon Wren	07170	1	1			
Bewick's Wren	07190					
3049 VEHICLES			1		1	
Excessive Noise:		○	○	○	○	○

Species	AOU	Stops 41	42	43	44	45
Blk-tail Gnatcatcher	07520		1	2	1	
Northern Mockingbird	07030	1	2	2		1
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830		1			
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	1				
Lark Sparrow	05520					
Blk-throated Sparrow	05730		3		2	2
Northern Cardinal	05930					
Pyrrhuloxia	05940			2		
Blue Grosbeak	05970			1		
Varied Bunting	06000	1				
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190	1		3		
Lesser Goldfinch	05300					
NBr ☐ Peregrine falcon					2	
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Check box if non-breeder						

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SCAN FORM

2260353876

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2009

Temp Wind Sky

Mileage/time(optional):

End Time: 10:22 (required) Temp 82 Wind 1 Sky 1

Species	AOU	Stops 46	47	48	49	50
Scaled Quail	02930					
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Killdeer	02730					
White-winged Dove	03190					
Mourning Dove	03160					
Inca Dove	03210					
Yellow-billed Cuckoo	03870					
Greater Roadrunner	03850				1	
Western Screech-Owl	03732					
Great Horned Owl	03750					
Elf Owl	03810					
Lesser Nighthawk	04210					
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570					
Vermilion Flycatcher	04710					
Ash-throat Flycatcher	04540					2
Brn-crest Flycatcher	04530					
Tropical Kingbird	04460					
Cassin's Kingbird	04480					
Western Kingbird	04470					
Loggerhead Shrike	06220					
Bell's Vireo	06330					
Gray Vireo	06340					
Common Raven	04860					
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460	1	1	1		
Cactus Wren	07130	1	1	1	1	2
Rock Wren	07150					
Canyon Wren	07170					
Bewick's Wren	07190					

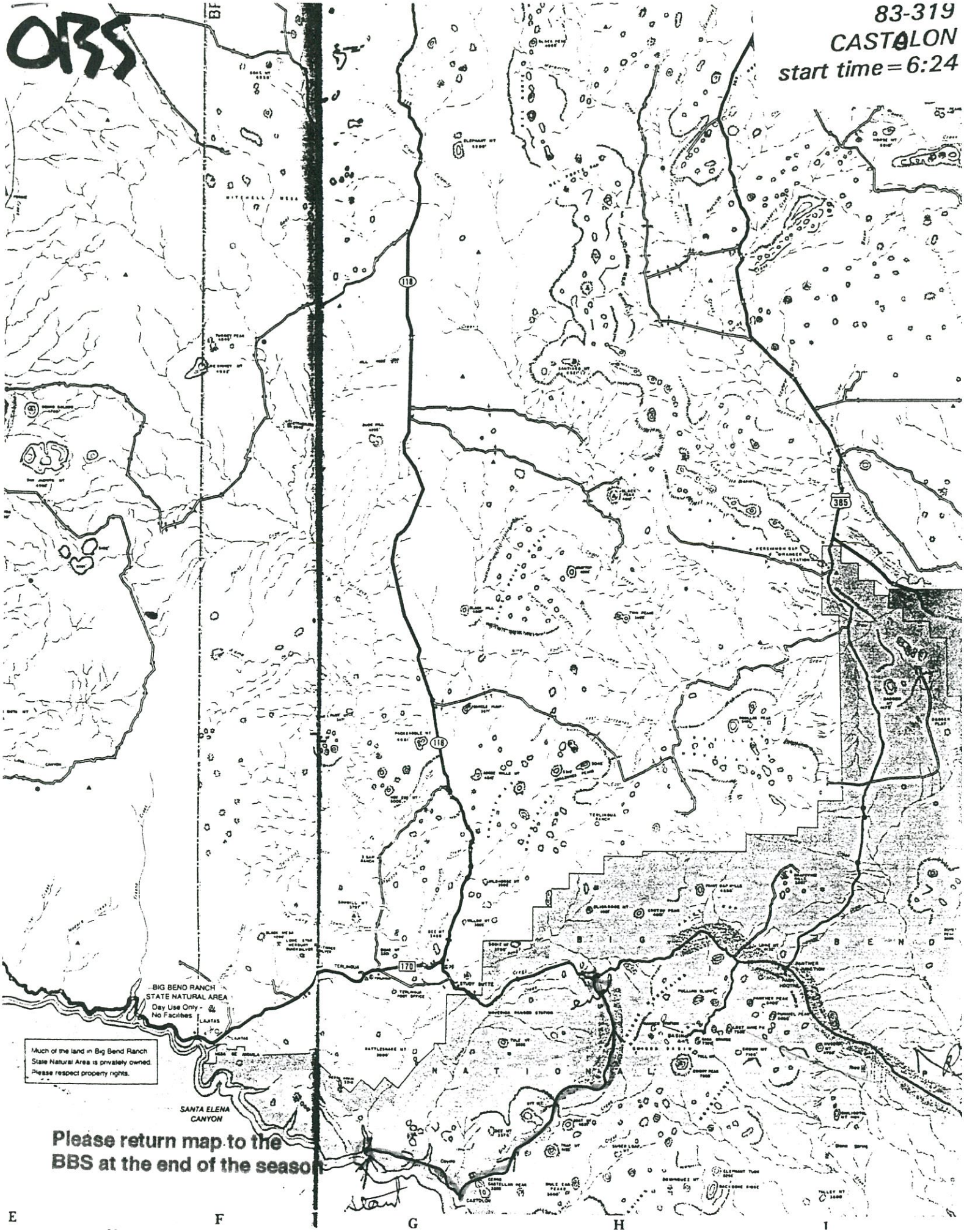
Species	AOU	Stops 46	47	48	49	50
Blk-tail Gnatcatcher	07520					1
Northern Mockingbird	07030	2	2			
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830	3				
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2			1	2
Northern Cardinal	05930					
Pyrrhuloxia	05940			1	1	
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190	2				
Lesser Goldfinch	05300					
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3049 VEHICLES		3		2		
Excessive Noise:	○	○	○	○	○	

Check box if non-breeder.

101

SCAN FORM


0855
83-319
CASTOLON
start time = 6:24
BIG BEND RANCH
STATE NATURAL AREA
Day Use Only -
No Facilities
Much of the land in Big Bend Ranch
State Natural Area is privately owned.
Please respect property rights.
SANTA ELENA
CANYON
Please return map to the
BBS at the end of the season
BIG BEND NATIONAL
118
170
385
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BREEDING BIRD SURVEY ROUTE CASTOLON

Big Bend National Park, Texas 79834

The survey stops were located at every mile marker along the route. Stops were also located at every 1/2 mile between the established mile markers, located by the vehicle trip odometer. This met the criteria of a total of 50 survey stops, 1/2 mile apart. Only a few exceptions were made where stops were moved 0.1 mile as indicated as acceptable, when the 1/2 mile was at a dangerous location on the road. Another exception was between stops #3 & #4, where the Federal Highways Administration began a new series of markers, ending the old series at #23 and beginning mile marker #0 only 0.3 miles apart. Using the mile markers guarentees identical stops in the future, regardless of who conducts the survey. The following is a summary of the stops using the mile markers (abbreviated mm).

1. Desert Mt. Overlook just beyond (west) mm1
2. 0.5 ~~before~~ wooden post on West (right) — pullout POST Missing
3. mm0 by Cottonwood Campground sign
4. mm23
5. 0.5 by wooden post on east ? - cluster of wood
6. just before mm22, turnout on East, ~~W of interpretive sign~~ - gone 5/01
7. gravel on East, 0.5 at curve (Exhibit Ahead sign)
8. just before mm21, beyond white rock on East
9. 0.5 on West (right) opposite sign = ◇
10. mm20, Tuff Canyon Overlook
11. 0.5 on gravel, either side — Bad spot No place - better a bit further
12. mm19, by post on right
13. 0.5½ on right or left on curve
14. before mm18, turnout on East (left)
15. 0.6 turnout on East - in drainage
16. just beyond mm 17 on right
17. 0.5, ~~red dirt on West side~~ right - on right .4 on left
18. mm16, turnout at sign
19. Mule Ears turnout

BREEDING BIRD SURVEY ROUTE — CASTOLON (continued)

20. mm15, on West ← .1 farther to Goat Mtn Exhibit
21. 0.5 ~~beyond~~ 0.4 drainage, on East
22. turnout before mm14 on East
23. turnout on ~~left~~ right, top of hill
24. mm13
25. Chimneys Trail turnout on West
26. stop in drainage just before (mm12) — ~~missing~~ replaced
27. Burro Mesa Pouroff Road
28. mm11 — ~~bad~~ - no shoulder - better .1 around mm11 - right
29. 0.5 either side - .4 right
30. mm10, either side
31. start of hairpin curve - on around curve
32. mm9 - hairpin
33. 0.6 Sotol Vista Overlook - pullout on left.
34. mm8, just after Blue Creek Ranch Overlook
35. 0.6 turnout on (East) - right
36. just beyond mm7, turnout on West (left)
37. 0.5, turnout bottom of hill on East, past drainage
38. mm6, on right
39. 0.4 turnout on East
40. mm5, on East
41. 0.4 drainage either side
42. south of mm4, big turnout on East (dikes)
43. 0.5 just past draw on West
44. turnout on East just before mm3
45. 0.5 by road on East

BREEDING BIRD SURVEY ROUTE

CASTOLON (continued)

46. mm2, turnout (exhibit) on East

47. 0.5 turnout on West

48. turnout on East, just beyond mm1

49. ~~turnout on West~~ Roadside .5 - East, north of drainage

50. Route 15 junction