Big Bend National Park
Breeding Bird Surveys

May 2010

By Mark R. Flippo

Print Route Summary FLIPPO, MARK /

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):	05/16/2010	
Start Time (hh:mm) & Status:	06 : 24	Actual
End Time (hh:mm) & Status:	10 : 28	Actual
Start Temp & Status:	70 °F	Actual
End Temp & Status:	82	Actual
Start Wind & Status:	2-Wind felt on face; leaves rustle (4-7 mph, 6-12 Kph)	Actual
End Wind & Status:	2-Wind felt on face; leaves rustle (4-7 mph, 6-12 Kph)	Actual
Start Sky & Status:	1-Partly cloudy (scattered) or variable sky	Actual
End Sky & Status:	2-Cloudy (broken) or overcast	Estimated

10 Stop Totals

AOU-Species	1-10	11-20	21-30	31-40	41-50	Total ind.	Total Stops
Scaled Quail	2	4	4	2	1	13	10
Turkey Vulture	0	2	0	3	1	6	6
Osprey	0	0	0	1	0	1	1
White-winged Dove	0	0	1	0	0	1	1
Mourning Dove	6	3	0	0	0	9	5
Greater Roadrunner	0	0	0	1	1	2	2
Lesser Nighthawk	11	1	0	0	0	12	8
Say's Phoebe	2	1	0	1	0	4	3
Ash-throated Flycatcher	2	1	1	1	0	5	4
Loggerhead Shrike	0	0	0	0	1	1	1
Bell's Vireo	0	0	0	0	11	11	5
Common Raven	0	2	0	0	3	5	3
Verdin	1	2	3	3	4	13	11
Cactus Wren	7	12	16	13	8	56	36
Canyon Wren	0	0	0	2	0	2	2
Bewick's Wren	0	0	0	1	1	2	2
Black-tailed Gnatcatcher	1	1	4	0	1	7	6
Northern Mockingbird	14	15	13	5	2	49	30
Curve-billed Thrasher	0	0	0	2	0	2	1
Crissal Thrasher	0	0	0	1	0	1	1
Yellow-breasted Chat	0	0	0	0	1	1	1
Western Tanager	0	0	0	1	0	1	1
Canyon Towhee	0	0	2	4	2	8	6
Rufous-crowned Sparrow	0	0	8	3	0	11	7
Brewer's Sparrow	0	1	0	0	0	1	1
Black-throated Sparrow	33	27	26	19	21	126	43
Pyrrhuloxia	5	7	8	14	14	48	32
Blue Grosbeak	0	1	2	5	3	11	10

Brown-headed Cowbird	0	1	5	0	4	10	4
Scott's Oriole	3	3	2	0	0	8	7
House Finch	9	2	0	0	0	11	5
Lesser Goldfinch	0	0	2	0	0	2	1
House Sparrow	0	0	0	5	0	5	1
Total Species:33	**Total ind.:445**						
Vehicles	0	2	5	12	14	33	20
Noise	0	0	0	0	0	0	0

Print Field Sheet and Stops Data FLIPPO, MARK /

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):	05/16/2010	
Start Time (hh:mm) & Status:	06 : 24	Actual
End Time (hh:mm) & Status:	10 : 28	Actual
Start Temp & Status:	70 °F	Actual
End Temp & Status:	82	Actual
Start Wind & Status:	2 - Wind felt on face; leaves rustle (4-7 mph, 6-12 Kph)	Actual
End Wind & Status:	2 - Wind felt on face; leaves rustle (4-7 mph, 6-12 Kph)	Actual
Start Sky & Status:	1 - Partly cloudy (scattered) or variable sky	Actual
End Sky & Status:	2 - Cloudy (broken) or overcast	Estimated

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? (2011) ?	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?	No
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.	7 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
03160-Mourning Dove		1		1		No
04210-Lesser Nighthawk		2	1	3		No
04570-Say's Phoebe	2					No
04540-Ash-throated Flycatcher	2					No
07130-Cactus Wren					1	No
07520-Black-tailed Gnatcatcher					1	No
07030-Northern Mockingbird				2	1	No
05730-Black-throated Sparrow		3	5	5	4	No
05940-Pyrrhuloxia			1	1	3	No
05190-House Finch	3	2	3			No
Number of Vehicles	"	"	"	"	"	
Excessive Noise						

AOU-Species	6	7	8	9	10	Non-Breeder
02930-Scaled Quail			2			No
03160-Mourning Dove		4				No
04210-Lesser Nighthawk		1	1	1	2	No
07460-Verdin					1	No
07130-Cactus Wren		1	1	1	3	No
07030-Northern Mockingbird	2	2	2	2	3	No
05730-Black-throated Sparrow	2	5	3	3	3	No
05040-Scott's Oriole	2		1			No
05190-House Finch	1					No
Number of Vehicles						
Excessive Noise						

AOU-Species	11	12	13	14	15	Non-Breeder
02930-Scaled Quail	1					No
03250-Turkey Vulture	1					No
03160-Mourning Dove		2		1		No
04210-Lesser Nighthawk	1					No
04860-Common Raven					2	No
07460-Verdin					1	No
07130-Cactus Wren			1	1	1	No
07520-Black-tailed Gnatcatcher					1	No
07030-Northern Mockingbird	2	3	1	1	2	No
05620-Brewer's Sparrow			1			Yes
05730-Black-throated Sparrow	5	4	3	2	2	No
05940-Pyrrhuloxia		1		1	1	No
05970-Blue Grosbeak		1				No
05040-Scott's Oriole					1	No
Number of Vehicles		1				
Excessive Noise						

AOU-Species	16	17	18	19	20	Non-Breeder
02930-Scaled Quail		1		1	1	No

03250-Turkey Vulture			1			No
04570-Say's Phoebe					1	No
04540-Ash-throated Flycatcher	1					No
07460-Verdin					1	No
07130-Cactus Wren	2	2	1	2	2	No
07030-Northern Mockingbird	1	1	1		3	No
05730-Black-throated Sparrow	2	1	2	1	5	No
05940-Pyrrhuloxia	1	1	1	1		No
04950-Brown-headed Cowbird			1			No
05040-Scott's Oriole		1		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				2	No
03190-White-winged Dove	1					No
07460-Verdin	2	1				No
07130-Cactus Wren	1	1	3	3		No
07520-Black-tailed Gnatcatcher			1		1	No
07030-Northern Mockingbird	1		3	2		No
05910-Canyon Towhee		1				No
05800-Rufous-crowned Sparrow			2		1	No
05730-Black-throated Sparrow	1	2	4	3	3	No
05940-Pyrrhuloxia	2			1		No
04950-Brown-headed Cowbird	5					No
05040-Scott's Oriole		1		1		No
Number of Vehicles				3		
Excessive Noise						

AOU-Species	**26**	**27**	**28**	**29**	**30**	**Non-Breeder**
02930-Scaled Quail					1	No
04540-Ash-throated Flycatcher					1	No
07130-Cactus Wren	2	1	2	2	1	No
07520-Black-tailed Gnatcatcher			2			No
07030-Northern Mockingbird	1	1	1	2	2	No
05910-Canyon Towhee					1	No
05800-Rufous-crowned Sparrow		2	2	1		No
05730-Black-throated Sparrow	1	4	3	5		No
05940-Pyrrhuloxia	1	2		2		No
05970-Blue Grosbeak	1			1		No
05300-Lesser Goldfinch	2					No
Number of Vehicles				1	1	
Excessive Noise						

AOU-Species	**31**	**32**	**33**	**34**	**35**	**Non-Breeder**
02930-Scaled Quail			2			No
03250-Turkey Vulture			1			No
03850-Greater Roadrunner		1				No
04540-Ash-throated Flycatcher				1		No
07130-Cactus Wren	1	3	1	1	1	No
07170-Canyon Wren			1		1	No
07190-Bewick's Wren			1			No
07030-Northern Mockingbird	1	1	1		1	No

07070-Curve-billed Thrasher				2		No
05910-Canyon Towhee		2	1		1	No
05800-Rufous-crowned Sparrow					1	No
05730-Black-throated Sparrow	2	6	2			No
05940-Pyrrhuloxia	2		1	3	3	No
05970-Blue Grosbeak	1					No
06882-House Sparrow				5		No
Number of Vehicles	1	1	1	4	2	
Excessive Noise						
AOU-Species	**36**	**37**	**38**	**39**	**40**	**Non-Breeder**
03250-Turkey Vulture	1		1			No
03640-Osprey			1			Yes
04570-Say's Phoebe					1	No
07460-Verdin		2			1	No
07130-Cactus Wren	1	1		3	1	No
07030-Northern Mockingbird	1					No
07120-Crissal Thrasher			1			No
06070-Western Tanager		1				Yes
05800-Rufous-crowned Sparrow				2		No
05730-Black-throated Sparrow	1	2	3	2	1	No
05940-Pyrrhuloxia	2	1	1		1	No
05970-Blue Grosbeak	1	1		1	1	No
Number of Vehicles		1	2			
Excessive Noise						
AOU-Species	**41**	**42**	**43**	**44**	**45**	**Non-Breeder**
03250-Turkey Vulture		1				No
06220-Loggerhead Shrike					1	No
06330-Bell's Vireo	2		2			No
07460-Verdin		1				No
07130-Cactus Wren				1	3	No
07190-Bewick's Wren				1		No
07030-Northern Mockingbird			2			No
06830-Yellow-breasted Chat			1			No
05910-Canyon Towhee				2		No
05730-Black-throated Sparrow		1	3	4		No
05940-Pyrrhuloxia	3	1	3	1	1	No
05970-Blue Grosbeak	1		2			No
Number of Vehicles	1	1	2		1	
Excessive Noise						
AOU-Species	**46**	**47**	**48**	**49**	**50**	**Non-Breeder**
02930-Scaled Quail					1	No
03850-Greater Roadrunner			1			No
06330-Bell's Vireo	1			3	3	No
04860-Common Raven			1		2	No
07460-Verdin		1		1	1	No
07130-Cactus Wren	1	2			1	No
07520-Black-tailed Gnatcatcher		1				No
05730-Black-throated Sparrow	6		2	1	4	No
05940-Pyrrhuloxia	1	2	1	1		No
04950-Brown-headed Cowbird		2		2		No
Number of Vehicles		1	1	3	4	
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)

2880521680

2010 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) 5 / 7

End date (mm/dd) 6 / 30

Official Start Time 0624

ROUTE SUMMARY INFORMATION

Complete steps 1-14.

1. Date Route Run (mm/dd/yyyy) 05 / 16 / 2010

2. Start time (hh:mm) 06:24 **End time** 10:28

3. Start temp 070 **End temp** 82 ○ 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 07	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 2010

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 eleven 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: 7/31/2012

RPID 3066

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SCAN FORM Page 1

6018521687 If you sample multiple routes, you need to 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 sheets.
- 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!

9981521689

Official Start Time: 0624
Actual Start Time: 0624

(required) Temp 70 Wind 2 Sky 1

Country Code: 840 | Routename: HOT SPRINGS | RouteNumber: 83082

Date (mm/dd/yyyy): 05/16/2010

Mileage/time(optional):

Observer's Name: Mark Flippo

Species	AOU	Stops 1	2	3	4	5	Species	AOU	Stops 1	2	3	4	5
Scaled Quail	02930						Bewick's Wren	07190					
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520					1
Red-tailed Hawk	03370						Northern Mockingbird	07030				2	1
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		Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Great Horned Owl	03750						Cassin's Sparrow	05780					
Elf Owl	03810						Ruf-crowned Sparrow	05800					
Lesser Nighthawk	04210		2	1	3		Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730		3	5	5	4
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940			1	1	3
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	2					Painted Bunting	06010					
Vermilion Flycatcher	04710						Eastern Meadowlark	05010					
Ash-throat Flycatcher	04540	2					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	3	2	3		
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					1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066 VEHICLES							Check box if non-breeder.	101					
Excessive Noise:		○	○	○	○	○							

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0013521686

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2010

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			Bewick's Wren	07190					
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520					
Red-tailed Hawk	03370						Northern Mockingbird	07030	2	2	2	2	3
Killdeer	02730						Curve-billed Thrasher	07070					
Eur Collared-Dove	22860						Crissal Thrasher	07120					
White-winged Dove	03190						Yellow-breasted Chat	06830					
Mourning Dove	03160		4				Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Great Horned Owl	03750						Cassin's Sparrow	05780					
Elf Owl	03810						Ruf-crowned Sparrow	05800					
Lesser Nighthawk	04210		1	1	1	2	Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730	2	5	3	3	3
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940					
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						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						House Finch	05190	1				
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					1	☐						
Cactus Wren	07130		1	1	1	3	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066	VEHICLES						Check box if non-breeder.	101					
	Excessive Noise:	○	○	○	○	○							

SCAN FORM Page 4

2247521687

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp | Wind | Sky: 72 | 1 | 2

Mileage/time (optional):

Species	AOU	Stops 11	12	13	14	15	Species	AOU	Stops 11	12	13	14	15
Scaled Quail	02930	1					Bewick's Wren	07190					
Turkey Vulture	03250	1					Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520					1
Red-tailed Hawk	03370						Northern Mockingbird	07030	2	3	1	1	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		2		1		Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Great Horned Owl	03750						Cassin's Sparrow	05780					
Elf Owl	03810						Ruf-crowned Sparrow	05800					
Lesser Nighthawk	04210	1					Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730	5	4	3	2	2
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		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						Western Meadowlark	05011					
Cassin's Kingbird	04480						Bronzed Cowbird	04960					
Western Kingbird	04470						Brn-headed Cowbird	04950					
unid. Kingbird	04447						Scott's Oriole	05040					1
Loggerhead Shrike	06220						House Finch	05190					
Bell's Vireo	06330						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						House Sparrow	06882					
Common Raven	04860					2	NBr ☒ Brewer's sparrow				1		
Violet-Green Swallow	06150						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Barn Swallow	06130						☐						
Verdin	07460					1	☐						
Cactus Wren	07130			1	1	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066	VEHICLES		1				Check box if non-breeder.	101					
	Excessive Noise:	○	○	○	○	○							

SCAN FORM
Page 5

5114521683

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 16	17	18	19	20	Species	AOU	Stops 16	17	18	19	20
Scaled Quail	02930		1		1	1	Bewick's Wren	07190					
Turkey Vulture	03250			1			Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520					
Red-tailed Hawk	03370						Northern Mockingbird	07030	1	1	1		3
Killdeer	02730						Curve-billed Thrasher	07070					
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					
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	2	1	2	1	5
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940	1	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					1	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			1		
unid. Kingbird	04447						Scott's Oriole	05040		1		1	
Loggerhead Shrike	06220						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					1	☐						
Cactus Wren	07130	2	2	1	2	2	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066	VEHICLES			1			Check box if non-breeder.	101					
	Excessive Noise:	○	○	○	○	○							

SCAN FORM
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7900521688

Country Code	RouteNumber	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp Wind Sky: 72 2 2

Mileage/time(optional):

Species	AOU	Stops 21	22	23	24	25
Scaled Quail	02930	1				2
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					
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					
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	1	1	3	3	
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			1		1
Northern Mockingbird	07030	1		3	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			2		1
Lark Sparrow	05520					
Blk-throated Sparrow	05730	1	2	4	3	3
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	2			1	
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	5				
Scott's Oriole	05040		1		1	
House Finch	05190					
Lesser Goldfinch	05300					
House Sparrow	06882					
NBr ☐						
☐						
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		21	22	23	24	25
3066	VEHICLES				3	
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

101

SCAN FORM

7458521686

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2010

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					1	Bewick's Wren	07190					
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520			2		
Red-tailed Hawk	03370						Northern Mockingbird	07030	1	1	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						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		2	2	1	
Lesser Nighthawk	04210						Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730	1	4	3	5	
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940	1	2		2	
Blk-chin Hummingbird	04290						Blk-headed Grosbeak	05960					
Ladder-back Woodpkr	03960						Blue Grosbeak	05970	1			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	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	2				
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	1	2	2	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066	VEHICLES				1	1	Check box if non-breeder.	101					
	Excessive Noise:	○	○	○	○	○							

SCAN FORM
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1790521689

Country Code	RouteNumber	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp	Wind	Sky
72	1	2

Mileage/time(optional):

Species	AOU	Stops 31	32	33	34	35
Scaled Quail	02930			2		
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					
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	
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	3	1	1	1
Rock Wren	07150					
Canyon Wren	07170			1		1

Species	AOU	Stops 31	32	33	34	35
Bewick's Wren	07190			1		
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030	1	1	1		1
Curve-billed Thrasher	07070				2	
Crissal Thrasher	07120					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910		2	1		1
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					1
Lark Sparrow	05520					
Blk-throated Sparrow	05730	2	6	2		
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	2		1	3	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					
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
House Sparrow	06882				5	
NBr ☐						
☐						
☐						
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☐						
☐						
☐						

		31	32	33	34	35
3066	VEHICLES	1	1	1	4	2
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

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SCAN FORM
Page 9

4210521689

Country Code	RouteNumber	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 36	37	38	39	40	Species	AOU	Stops 36	37	38	39	40
Scaled Quail	02930						Bewick's Wren	07190					
Turkey Vulture	03250	1		1			Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520					
Red-tailed Hawk	03370						Northern Mockingbird	07030	1				
Killdeer	02730						Curve-billed Thrasher	07070					
Eur Collared-Dove	22860						Crissal Thrasher	07120			1		
White-winged Dove	03190						Yellow-breasted Chat	06830					
Mourning Dove	03160						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Great Horned Owl	03750						Cassin's Sparrow	05780					
Elf Owl	03810						Ruf-crowned Sparrow	05800				2	
Lesser Nighthawk	04210						Lark Sparrow	05520					
Common Nighthawk	04200						Blk-throated Sparrow	05730	1	2	3	2	1
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940	2	1	1		1
Blk-chin Hummingbird	04290						Blk-headed Grosbeak	05960					
Ladder-back Woodpkr	03960						Blue Grosbeak	05970	1	1		1	1
unid. Empid Flycatcher	04679						Varied Bunting	06000					
Say's Phoebe	04570					1	Painted Bunting	06010					
Vermilion Flycatcher	04710						Eastern Meadowlark	05010					
Ash-throat Flycatcher	04540						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 ☒ Western tanager			1			
Violet-Green Swallow	06150						☒ Osprey				1		
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Barn Swallow	06130						☐						
Verdin	07460		2			1	☐						
Cactus Wren	07130	1	1		3	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066 VEHICLES			1	2			Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

6109521688

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp | Wind | Sky: 78 | 1 | 2

Mileage/time(optional):

Species	AOU	Stops 41	42	43	44	45	Species	AOU	Stops 41	42	43	44	45
Scaled Quail	02930						Bewick's Wren	07190				1	
Turkey Vulture	03250		1				Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520					
Red-tailed Hawk	03370						Northern Mockingbird	07030			2		
Killdeer	02730						Curve-billed Thrasher	07070					
Eur Collared-Dove	22860						Crissal Thrasher	07120					
White-winged Dove	03190						Yellow-breasted Chat	06830			1		
Mourning Dove	03160						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910				2	
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		1	3	4	
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940	3	1	3	1	1
Blk-chin Hummingbird	04290						Blk-headed Grosbeak	05960					
Ladder-back Woodpkr	03960						Blue Grosbeak	05970	1		2		
unid. Empid Flycatcher	04679						Varied Bunting	06000					
Say's Phoebe	04570						Painted Bunting	06010					
Vermilion Flycatcher	04710						Eastern Meadowlark	05010					
Ash-throat Flycatcher	04540						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					1	House Finch	05190					
Bell's Vireo	06330	2		2			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		1				☐						
Cactus Wren	07130				1	3	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066 VEHICLES		1	1	2		1	Check box if non-breeder.	101					
Excessive Noise:		○	○	○	○	○							

SCAN FORM Page 11

0956521682

Country Code	Route Number	Route Name	Year
840	83082	HOT SPRINGS	2010

Temp Wind Sky

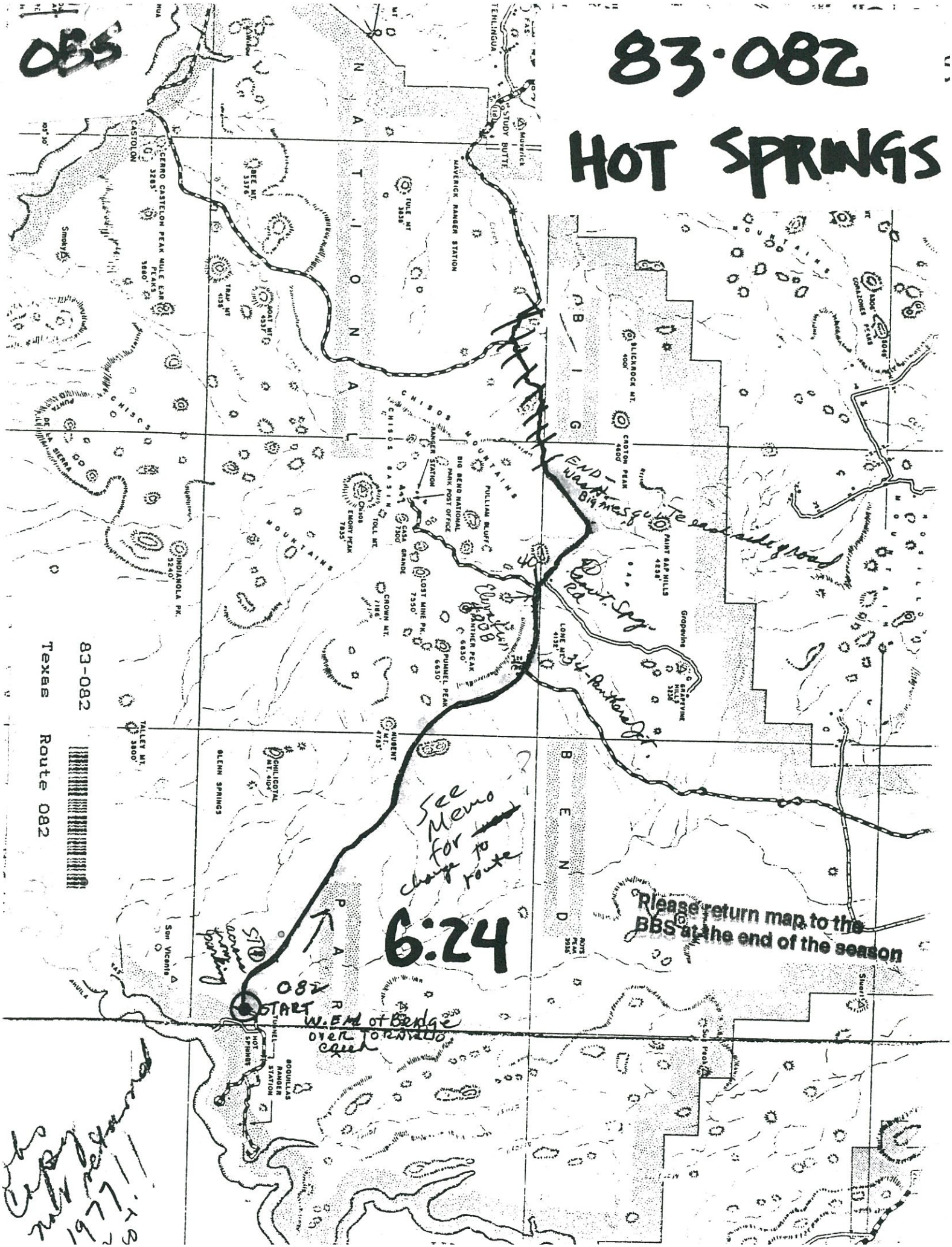
Mileage/time(optional):

End Time: 10:28 (required) Temp 82 Wind 2 Sky 2

Species	AOU	Stops 46	47	48	49	50	Species	AOU	Stops 46	47	48	49	50
Scaled Quail	02930					1	Bewick's Wren	07190					
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510					
Swainson's Hawk	03420						Blk-tail Gnatcatcher	07520		1			
Red-tailed Hawk	03370						Northern Mockingbird	07030					
Killdeer	02730						Curve-billed Thrasher	07070					
Eur Collared-Dove	22860						Crissal Thrasher	07120					
White-winged Dove	03190						Yellow-breasted Chat	06830					
Mourning Dove	03160						Summer Tanager	06100					
Greater Roadrunner	03850			1			Canyon Towhee	05910					
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	6		2	1	4
Common Poorwill	04180						Lark Bunting	06050					
White-throated Swift	04250						Northern Cardinal	05930					
Lucifer Hummingbird	04370						Pyrrhuloxia	05940	1	2	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						Western Meadowlark	05011					
Cassin's Kingbird	04480						Bronzed Cowbird	04960					
Western Kingbird	04470						Brn-headed Cowbird	04950		2		2	
unid. Kingbird	04447						Scott's Oriole	05040					
Loggerhead Shrike	06220						House Finch	05190					
Bell's Vireo	06330	1			3	3	Lesser Goldfinch	05300					
Chihuahuan Raven	04870						House Sparrow	06882					
Common Raven	04860			1		2	NBr ☐						
Violet-Green Swallow	06150						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Barn Swallow	06130						☐						
Verdin	07460		1		1	1	☐						
Cactus Wren	07130	1	2			1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3066 VEHICLES			1	1	3	4	Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

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SCAN FORM
Page 12


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. END of Bridge over Tornillo Creek
END - Wash to gravel road
Chisos Mountains
Big Bend National Park
Glenn Springs
Study Butte
Maverick
Castolon
Rio Grande
Boquillas Ranger Station
Hot Springs

.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 guardrails (reflectors) at curve
6. turnout before mm14 on right
7. 0.5 miles, turnout on right
8. mm13, ~~in grass~~ on right (on shoulder)
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

BREEDING BIRD SURVEY ROUTE (continued) HOT SPRINGS
Big Bend National Park, Texas 79834

23. 0.5 miles on left, Glenn Springs Rd
24. 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 /

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):	05/17/2010
Start Time (hh:mm) & Status:	06 : 24 Actual
End Time (hh:mm) & Status:	10 : 42 Actual
Start Temp & Status:	60 °F Actual
End Temp & Status:	88 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:	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	0	6	2	0	1	9	5
Cattle Egret	0	0	0	0	6	6	1
Turkey Vulture	2	0	2	1	4	9	7
Osprey	0	0	0	0	1	1	1
Red-tailed Hawk	0	1	1	0	0	2	2
White-winged Dove	7	0	0	0	0	7	4
Mourning Dove	0	0	1	0	7	8	4
Acorn Woodpecker	1	0	0	0	0	1	1
Ladder-backed Woodpecker	0	1	1	0	0	2	2
Say's Phoebe	0	0	0	1	0	1	1
Ash-throated Flycatcher	1	2	2	1	1	7	7
Cassin's Kingbird	0	0	0	2	0	2	1
Western Kingbird	0	0	0	0	1	1	1
Bell's Vireo	0	2	5	3	6	16	12
Black-capped Vireo	1	0	0	0	0	1	1
Mexican Jay	5	0	0	0	0	5	2
Common Raven	0	0	1	0	0	1	1
Cliff Swallow	0	0	0	6	0	6	1
Black-crested Titmouse	12	0	0	0	0	12	4
Verdin	0	2	3	3	7	15	11
Cactus Wren	6	13	7	2	4	32	22
Canyon Wren	2	0	0	0	0	2	2
Bewick's Wren	7	3	0	0	0	10	6
Blue-gray Gnatcatcher	7	0	0	0	0	7	5
Black-tailed Gnatcatcher	1	2	1	1	1	6	6
Northern Mockingbird	17	6	10	5	16	54	31
Curve-billed Thrasher	0	0	0	0	1	1	1
Crissal Thrasher	0	0	1	0	0	1	1
Cedar Waxwing	0	4	0	0	0	4	1
Yellow-breasted Chat	0	0	0	1	2	3	3
Hepatic Tanager	1	0	0	0	0	1	1

Spotted Towhee	3	0	0	0	0	3	2
Canyon Towhee	13	1	0	0	0	14	8
Cassin's Sparrow	0	0	0	10	2	12	6
Rufous-crowned Sparrow	8	6	0	0	0	14	8
Brewer's Sparrow	0	0	1	3	0	4	2
Black-chinned Sparrow	7	0	0	0	0	7	2
Lark Sparrow	0	0	0	0	2	2	1
Black-throated Sparrow	0	22	28	29	11	90	31
Lark Bunting	0	0	21	22	0	43	3
Pyrrhuloxia	0	15	15	5	6	41	19
Black-headed Grosbeak	6	0	0	0	0	6	3
Blue Grosbeak	8	6	4	6	4	28	22
Varied Bunting	2	0	0	0	0	2	1
Painted Bunting	0	0	0	2	1	3	2
Bronzed Cowbird	0	0	0	0	1	1	1
Brown-headed Cowbird	0	5	3	6	5	19	9
Scott's Oriole	9	0	1	2	1	13	11
House Finch	0	0	2	6	4	12	5
Total Species:49	**Total Ind.:547**						
Vehicles	6	3	6	6	10	31	23
Noise	0	0	0	0	0	0	0

Print Field Sheet and Stops Data FLIPPO, MARK /

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):	05/17/2010	
Start Time (hh:mm) & Status:	06 : 24	Actual
End Time (hh:mm) & Status:	10 : 42	Actual
Start Temp & Status:	60 °F	Actual
End Temp & Status:	88	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:	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? (2011) ?	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?	No
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.	7 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**	

Ext:		**(Evening):** **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			No
04070-Acorn Woodpecker		1				No
06300-Black-capped Vireo				1		No
04820-Mexican Jay					3	No
07320-Black-crested Titmouse	1				5	No
07130-Cactus Wren			1			No
07190-Bewick's Wren					1	No
07510-Blue-gray Gnatcatcher		1	1	1	1	No
07030-Northern Mockingbird		3	3	1		No
05880-Spotted Towhee	1					No
05910-Canyon Towhee	1	2	3			No
05800-Rufous-crowned Sparrow	2	2	2			No
05650-Black-chinned Sparrow			1	6		No
05960-Black-headed Grosbeak	3				1	No
05970-Blue Grosbeak		1		1		No
05040-Scott's Oriole	1	2	1	2	1	No
Number of Vehicles	"	"	"	1"	1"	
Excessive Noise						

AOU-Species	6	7	8	9	10	Non-Breeder
03250-Turkey Vulture		1			1	No
03190-White-winged Dove			1	3	1	No
04540-Ash-throated Flycatcher		1				No
04820-Mexican Jay	2					No
07320-Black-crested Titmouse	4	2				No
07130-Cactus Wren		1	2		2	No
07170-Canyon Wren		1			1	No
07190-Bewick's Wren	2	2			2	No
07510-Blue-gray Gnatcatcher		3				No
07520-Black-tailed Gnatcatcher			1			No
07030-Northern Mockingbird		1	1	4	4	No
06090-Hepatic Tanager	1					No
05880-Spotted Towhee	2					No
05910-Canyon Towhee	2	3	1		1	No
05800-Rufous-crowned Sparrow	1	1				No
05960-Black-headed Grosbeak		2				No
05970-Blue Grosbeak		2	1	2	1	No
06000-Varied Bunting				2		No
05040-Scott's Oriole			1		1	No
Number of Vehicles		2			2	
Excessive Noise						

AOU-Species	11	12	13	14	15	Non-Breeder
02930-Scaled Quail					2	No
03370-Red-tailed Hawk			1			No
03960-Ladder-backed Woodpecker			1			No
04540-Ash-throated Flycatcher	1				1	No
07460-Verdin		1			1	No
07130-Cactus Wren	2	2		1		No
07190-Bewick's Wren			2		1	No
07030-Northern Mockingbird	2	1	2			No

06190-Cedar Waxwing			4			Yes
05910-Canyon Towhee	1					No
05800-Rufous-crowned Sparrow	3		1		2	No
05730-Black-throated Sparrow			1	5	3	No
05940-Pyrrhuloxia				2		No
05970-Blue Grosbeak		1	1	1	3	No
04950-Brown-headed Cowbird		3			2	No
Number of Vehicles	1				1	
Excessive Noise						
AOU-Species	**16**	**17**	**18**	**19**	**20**	**Non-Breeder**
02930-Scaled Quail	2	2				No
06330-Bell's Vireo			1		1	No
07130-Cactus Wren	4		1	2	1	No
07520-Black-tailed Gnatcatcher				1	1	No
07030-Northern Mockingbird			1			No
05730-Black-throated Sparrow	4	4	2	1	2	No
05940-Pyrrhuloxia	1	3	3	2	4	No
Number of Vehicles			1			
Excessive Noise						
AOU-Species	**21**	**22**	**23**	**24**	**25**	**Non-Breeder**
02930-Scaled Quail		2				No
03960-Ladder-backed Woodpecker			1			No
04540-Ash-throated Flycatcher					1	No
06330-Bell's Vireo			3		1	No
04860-Common Raven			1			No
07460-Verdin	1					No
07130-Cactus Wren		2	1	1		No
07520-Black-tailed Gnatcatcher	1					No
07030-Northern Mockingbird	1	1	1	2	2	No
05620-Brewer's Sparrow	1					Yes
05730-Black-throated Sparrow	3	4	1	4	1	No
05940-Pyrrhuloxia	4	2	2	2	2	No
05970-Blue Grosbeak	1					No
04950-Brown-headed Cowbird	1			2		No
Number of Vehicles				1	1	
Excessive Noise						
AOU-Species	**26**	**27**	**28**	**29**	**30**	**Non-Breeder**
03250-Turkey Vulture	2					No
03370-Red-tailed Hawk		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	2				No
07030-Northern Mockingbird		2			1	No
07120-Crissal Thrasher	1					No

05730-Black-throated Sparrow	2	4	2	7		No
06050-Lark Bunting			12	9		No
05940-Pyrrhuloxia	1			1	1	No
05970-Blue Grosbeak			1		2	No
05040-Scott's Oriole			1			No
05190-House Finch		2				No
Number of Vehicles				3	1	
Excessive Noise						
AOU-Species	**31**	**32**	**33**	**34**	**35**	**Non-Breeder**
04570-Say's Phoebe	1					No
06120-Cliff Swallow	6					No
07130-Cactus Wren		1				No
07030-Northern Mockingbird			1			No
05780-Cassin's Sparrow		3		3	1	No
05620-Brewer's Sparrow			3			Yes
05730-Black-throated Sparrow	2	3	4	6	1	No
05970-Blue Grosbeak		1	1	1		No
04950-Brown-headed Cowbird					1	No
05190-House Finch	4					No
Number of Vehicles	1	1	1	1		
Excessive Noise						
AOU-Species	**36**	**37**	**38**	**39**	**40**	**Non-Breeder**
03250-Turkey Vulture	1					No
04540-Ash-throated Flycatcher	1					No
04480-Cassin's Kingbird				2		No
06330-Bell's Vireo		1	1	1		No
07460-Verdin			2		1	No
07130-Cactus Wren			1			No
07520-Black-tailed Gnatcatcher			1			No
07030-Northern Mockingbird		1		1	2	No
06830-Yellow-breasted Chat					1	No
05780-Cassin's Sparrow	1	2				No
05730-Black-throated Sparrow	2	4	3		4	No
06050-Lark Bunting					22	No
05940-Pyrrhuloxia		2	3			No
05970-Blue Grosbeak	1			1	1	No
06010-Painted Bunting		2				No
04950-Brown-headed Cowbird			2	3		No
05040-Scott's Oriole	1	1				No
05190-House Finch	2					No
Number of Vehicles	1				1	
Excessive Noise						
AOU-Species	**41**	**42**	**43**	**44**	**45**	**Non-Breeder**
02001-Cattle Egret					6	Yes
03250-Turkey Vulture	1					No
03160-Mourning Dove				3		No
06330-Bell's Vireo			2	2		No
07460-Verdin			3		2	No
07130-Cactus Wren	1					No
07030-Northern Mockingbird	1	1	1	4	2	No
07070-Curve-billed Thrasher		1				No
06830-Yellow-breasted Chat	1		1			No
05780-Cassin's Sparrow		2				No
05730-Black-throated Sparrow		2	3	1	1	No
05940-Pyrrhuloxia					2	No
05970-Blue Grosbeak		2		1		No
06010-Painted Bunting			1			No
04960-Bronzed Cowbird				1		No
04950-Brown-headed Cowbird				2	3	No

Number of Vehicles	1	1	1			
Excessive Noise						
AOU-Species	**46**	**47**	**48**	**49**	**50**	**Non-Breeder**
02930-Scaled Quail	1					No
03250-Turkey Vulture			1		2	No
03640-Osprey				1		No
03160-Mourning Dove		1			3	No
04540-Ash-throated Flycatcher	1					No
04470-Western Kingbird					1	No
06330-Bell's Vireo	1	1				No
07460-Verdin	1		1			No
07130-Cactus Wren	1	1	1			No
07520-Black-tailed Gnatcatcher	1					No
07030-Northern Mockingbird	1	1	3		2	No
05520-Lark Sparrow				2		Yes
05730-Black-throated Sparrow			4			No
05940-Pyrrhuloxia		1		3		No
05970-Blue Grosbeak				1		No
05040-Scott's Oriole			1			No
05190-House Finch		2			2	No
Number of Vehicles		4		1	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)

2880521680

2010 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) 5 / 7

End date (mm/dd) 6 / 30

Official Start Time: 0624

ROUTE SUMMARY INFORMATION

Complete steps 1-14.

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

05 / 17 / 2010

2. Start time (hh:mm) 06:24 **End time** 10:42

3. Start temp 060 **End temp** 88 ○ 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.

	Y	N
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 07	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

Assigned BBS observer:

MARK R FLIPPO
PO BOX 99
Terlingua TX 79852
United States

Birth(MMDD):

Office use only

840 2010

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 eleven 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: 7/31/2012

RPID 3183

101

6018521687 If you sample multiple routes, you need to 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 sheets.

- 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!

9981521689

Official Start Time: 0624 | Actual Start Time: 0624

(required) Temp | Wind | Sky: 60 | 1 | 0

Country Code: 840 | Routename: CHISOS BASIN | RouteNumber: 83900

Date (mm/dd/yyyy): 05/17/2010

Mileage/time(optional):

Observer's Name: Mark Flippo

Species	AOU	Stops 1	2	3	4	5	Species	AOU	Stops 1	2	3	4	5
Scaled Quail	02930						Bewick's Wren	07190					1
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510		1	1	1	1
Red-tailed Hawk	03370						Blk-tail Gnatcatcher	07520					
Peregrine Falcon	03560						Northern Mockingbird	07030		3	3	1	
White-winged Dove	03190			2			Curve-billed Thrasher	07070					
Mourning Dove	03160						Crissal Thrasher	07120					
Greater Roadrunner	03850						Phainopepla	06200					
Great Horned Owl	03750						Yellow-breasted Chat	06830					
Lesser Nighthawk	04210						Hepatic Tanager	06090					
Common Nighthawk	04200						Summer Tanager	06100					
Common Poorwill	04180						Spotted Towhee	05880	1				
White-throated Swift	04250						Canyon Towhee	05910	1	2	3		
Blk-chin Hummingbird	04290						Cassin's Sparrow	05780					
Brd-tail Hummingbird	04320						Ruf-crowned Sparrow	05800	2	2	2		
Acorn Woodpecker	04070		1				Blk-chinned Sparrow	05650			1	6	
Ladder-back Woodpkr	03960						Blk-throated Sparrow	05730					
Western Wood-Pewee	04620						Lark Bunting	06050					
Say's Phoebe	04570						Northern Cardinal	05930					
Vermilion Flycatcher	04710						Pyrrhuloxia	05940					
Ash-throat Flycatcher	04540						Blk-headed Grosbeak	05960	3				1
Cassin's Kingbird	04480						Blue Grosbeak	05970		1		1	
Western Kingbird	04470						Varied Bunting	06000					
Loggerhead Shrike	06220						Painted Bunting	06010					
Bell's Vireo	06330						Western Meadowlark	05011					
Black-capped Vireo	06300				1		Brn-headed Cowbird	04950					
Gray Vireo	06340						Scott's Oriole	05040	1	2	1	2	1
Hutton's Vireo	06320						House Finch	05190					
Mexican Jay	04820					3	Lesser Goldfinch	05300					
Chihuahuan Raven	04870						NBr ☐						
Common Raven	04860						☐						
Cliff Swallow	06120						☐						
Blk-crested Titmouse	07320	1				5	☐						
Verdin	07460						☐						
Bushtit	07430						☐						
Cactus Wren	07130			1			☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3183	VEHICLES				1	1	Check box if non-breeder.	101					
	Excessive Noise:	○	○	○	○	○							

SCAN FORM Page 3

0013521686

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 6	7	8	9	10
Scaled Quail	02930					
Turkey Vulture	03250		1			1
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
White-winged Dove	03190			1	3	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		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	2				
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Blk-crested Titmouse	07320	4	2			
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130		1	2		2
Rock Wren	07150					
Canyon Wren	07170		1			1

Species	AOU	Stops 6	7	8	9	10
Bewick's Wren	07190	2	2			2
Blue-gry Gnatcatcher	07510		3			
Blk-tail Gnatcatcher	07520			1		
Northern Mockingbird	07030		1	1	4	4
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830					
Hepatic Tanager	06090	1				
Summer Tanager	06100					
Spotted Towhee	05880	2				
Canyon Towhee	05910	2	3	1		1
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800	1	1			
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730					
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940					
Blk-headed Grosbeak	05960		2			
Blue Grosbeak	05970		2	1	2	1
Varied Bunting	06000				2	
Painted Bunting	06010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040			1		1
House Finch	05190					
Lesser Goldfinch	05300					

NBr

VEHICLES		2			2	
Excessive Noise:	○	○	○	○	○	

3183

Check box if non-breeder.

101

SCAN FORM

2247521687

Country Code	RouteNumber	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp	Wind	Sky
66	1	1

Mileage/time(optional):

Species	AOU	Stops 11	12	13	14	15	Species	AOU	Stops 11	12	13	14	15
Scaled Quail	02930					2	Bewick's Wren	07190			2		1
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510					
Red-tailed Hawk	03370			1			Blk-tail Gnatcatcher	07520					
Peregrine Falcon	03560						Northern Mockingbird	07030	2	1	2		
White-winged Dove	03190						Curve-billed Thrasher	07070					
Mourning Dove	03160						Crissal Thrasher	07120					
Greater Roadrunner	03850						Phainopepla	06200					
Great Horned Owl	03750						Yellow-breasted Chat	06830					
Lesser Nighthawk	04210						Hepatic Tanager	06090					
Common Nighthawk	04200						Summer Tanager	06100					
Common Poorwill	04180						Spotted Towhee	05880					
White-throated Swift	04250						Canyon Towhee	05910	1				
Blk-chin Hummingbird	04290						Cassin's Sparrow	05780					
Brd-tail Hummingbird	04320						Ruf-crowned Sparrow	05800	3		1		2
Acorn Woodpecker	04070						Blk-chinned Sparrow	05650					
Ladder-back Woodpkr	03960			1			Blk-throated Sparrow	05730			1	5	3
Western Wood-Pewee	04620						Lark Bunting	06050					
Say's Phoebe	04570						Northern Cardinal	05930					
Vermilion Flycatcher	04710						Pyrrhuloxia	05940				2	
Ash-throat Flycatcher	04540	1				1	Blk-headed Grosbeak	05960					
Cassin's Kingbird	04480						Blue Grosbeak	05970		1	1	1	3
Western Kingbird	04470						Varied Bunting	06000					
Loggerhead Shrike	06220						Painted Bunting	06010					
Bell's Vireo	06330						Western Meadowlark	05011					
Black-capped Vireo	06300						Brn-headed Cowbird	04950		3			2
Gray Vireo	06340						Scott's Oriole	05040					
Hutton's Vireo	06320						House Finch	05190					
Mexican Jay	04820						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						NBr ☒ Cedar waxwing				4		
Common Raven	04860						☐						
Cliff Swallow	06120						☐						
Blk-crested Titmouse	07320						☐						
Verdin	07460		1			1	☐						
Bushtit	07430						☐						
Cactus Wren	07130	2	2		1		☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3183	VEHICLES	1				1	Check box if non-breeder.						
	Excessive Noise:	○	○	○	○	○							

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SCAN FORM
Page 5

5114521683

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp | Wind | Sky

Mileage/time(optional):

Species	AOU	Stops 16	17	18	19	20
Scaled Quail	02930	2	2			
Turkey Vulture	03250					
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
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			1		1
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Blk-crested Titmouse	07320					
Verdin	07460					
Bushtit	07430					
Cactus Wren	07130	4		1	2	1
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	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	4	4	2	1	2
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940	1	3	3	2	4
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970					
Varied Bunting	06000					
Painted Bunting	06010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
NBr ☐						
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3183 **VEHICLES** 0 0 1 0 0

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder.

101

SCAN FORM

7900521688

Country Code	RouteNumber	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp Wind Sky: 70 | 0 | 1

Mileage/time(optional):

Species	AOU	Stops 21	22	23	24	25	Species	AOU	Stops 21	22	23	24	25
Scaled Quail	02930		2				Bewick's Wren	07190					
Turkey Vulture	03250						Blue-gry Gnatcatcher	07510					
Red-tailed Hawk	03370						Blk-tail Gnatcatcher	07520	1				
Peregrine Falcon	03560						Northern Mockingbird	07030	1	1	1	2	2
White-winged Dove	03190						Curve-billed Thrasher	07070					
Mourning Dove	03160						Crissal Thrasher	07120					
Greater Roadrunner	03850						Phainopepla	06200					
Great Horned Owl	03750						Yellow-breasted Chat	06830					
Lesser Nighthawk	04210						Hepatic Tanager	06090					
Common Nighthawk	04200						Summer Tanager	06100					
Common Poorwill	04180						Spotted Towhee	05880					
White-throated Swift	04250						Canyon Towhee	05910					
Blk-chin Hummingbird	04290						Cassin's Sparrow	05780					
Brd-tail Hummingbird	04320						Ruf-crowned Sparrow	05800					
Acorn Woodpecker	04070						Blk-chinned Sparrow	05650					
Ladder-back Woodpkr	03960			1			Blk-throated Sparrow	05730	3	4	1	4	1
Western Wood-Pewee	04620						Lark Bunting	06050					
Say's Phoebe	04570						Northern Cardinal	05930					
Vermilion Flycatcher	04710						Pyrrhuloxia	05940	4	2	2	2	2
Ash-throat Flycatcher	04540					1	Blk-headed Grosbeak	05960					
Cassin's Kingbird	04480						Blue Grosbeak	05970	1				
Western Kingbird	04470						Varied Bunting	06000					
Loggerhead Shrike	06220						Painted Bunting	06010					
Bell's Vireo	06330			3		1	Western Meadowlark	05011					
Black-capped Vireo	06300						Brn-headed Cowbird	04950	1			2	
Gray Vireo	06340						Scott's Oriole	05040					
Hutton's Vireo	06320						House Finch	05190					
Mexican Jay	04820						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						NBr ☒ Brewer's sparrow		1				
Common Raven	04860			1			☐						
Cliff Swallow	06120						☐						
Blk-crested Titmouse	07320						☐						
Verdin	07460	1					☐						
Bushtit	07430						☐						
Cactus Wren	07130		2	1	1		☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3183 VEHICLES					1	1	Check box if non-breeder.	101					
Excessive Noise:		○	○	○	○	○							

SCAN FORM Page 7

7458521686

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2010

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	2					Blue-gry Gnatcatcher	07510					
Red-tailed Hawk	03370		1				Blk-tail Gnatcatcher	07520					
Peregrine Falcon	03560						Northern Mockingbird	07030		2			1
White-winged Dove	03190						Curve-billed Thrasher	07070					
Mourning Dove	03160		1				Crissal Thrasher	07120	1				
Greater Roadrunner	03850						Phainopepla	06200					
Great Horned Owl	03750						Yellow-breasted Chat	06830					
Lesser Nighthawk	04210						Hepatic Tanager	06090					
Common Nighthawk	04200						Summer Tanager	06100					
Common Poorwill	04180						Spotted Towhee	05880					
White-throated Swift	04250						Canyon Towhee	05910					
Blk-chin Hummingbird	04290						Cassin's Sparrow	05780					
Brd-tail Hummingbird	04320						Ruf-crowned Sparrow	05800					
Acorn Woodpecker	04070						Blk-chinned Sparrow	05650					
Ladder-back Woodpkr	03960						Blk-throated Sparrow	05730	2	4	2	7	
Western Wood-Pewee	04620						Lark Bunting	06050			12	9	
Say's Phoebe	04570						Northern Cardinal	05930					
Vermilion Flycatcher	04710						Pyrrhuloxia	05940	1			1	1
Ash-throat Flycatcher	04540		1				Blk-headed Grosbeak	05960					
Cassin's Kingbird	04480						Blue Grosbeak	05970			1		2
Western Kingbird	04470						Varied Bunting	06000					
Loggerhead Shrike	06220						Painted Bunting	06010					
Bell's Vireo	06330					1	Western Meadowlark	05011					
Black-capped Vireo	06300						Brn-headed Cowbird	04950					
Gray Vireo	06340						Scott's Oriole	05040			1		
Hutton's Vireo	06320						House Finch	05190		2			
Mexican Jay	04820						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						NBr ☐						
Common Raven	04860						☐						
Cliff Swallow	06120						☐						
Blk-crested Titmouse	07320						☐						
Verdin	07460	1	1				☐						
Bushtit	07430						☐						
Cactus Wren	07130	1	2				☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3183 VEHICLES					3	1	Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

1790521689

Country Code	RouteNumber	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp | Wind | Sky: 80 | 1 | 1

Mileage/time(optional):

Species	AOU	Stops 31	32	33	34	35
Scaled Quail	02930					
Turkey Vulture	03250					
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
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	1				
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					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120	6				
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					
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		3		3	1
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730	2	3	4	6	1
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940					
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970		1	1	1	
Varied Bunting	06000					
Painted Bunting	06010					
Western Meadowlark	05011					
Brn-headed Cowbird	04950					1
Scott's Oriole	05040					
House Finch	05190	4				
Lesser Goldfinch	05300					
NBr ☑ Brewer's sparrow				3		
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	VEHICLES	1	1	1	1	
	Excessive Noise:	○	○	○	○	○

3183

Check box if non-breeder.

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SCAN FORM Page 9

4210521689

Country Code	RouteNumber	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 36	37	38	39	40	Species	AOU	Stops 36	37	38	39	40
ScaledQuail	02930						Bewick's Wren	07190					
TurkeyVulture	03250	1					Blue-gryGnatcatcher	07510					
Red-tailedHawk	03370						Blk-tailGnatcatcher	07520			1		
PeregrineFalcon	03560						NorthernMockingbird	07030		1		1	2
White-wingedDove	03190						Curve-billedThrasher	07070					
MourningDove	03160						CrissalThrasher	07120					
GreaterRoadrunner	03850						Phainopepla	06200					
Great Horned Owl	03750						Yellow-breastedChat	06830					1
LesserNighthawk	04210						HepaticTanager	06090					
CommonNighthawk	04200						SummerTanager	06100					
CommonPoorwill	04180						SpottedTowhee	05880					
White-throatedSwift	04250						CanyonTowhee	05910					
Blk-chinHummingbird	04290						Cassin's Sparrow	05780	1	2			
Brd-tailHummingbird	04320						Ruf-crownedSparrow	05800					
Acorn Woodpecker	04070						Blk-chinnedSparrow	05650					
Ladder-backWoodpkr	03960						Blk-throatedSparrow	05730	2	4	3		4
WesternWood-Pewee	04620						LarkBunting	06050					22
Say's Phoebe	04570						NorthernCardinal	05930					
VermilionFlycatcher	04710						Pyrrhuloxia	05940		2	3		
Ash-throatFlycatcher	04540	1					Blk-headedGrosbeak	05960					
Cassin'sKingbird	04480				2		Blue Grosbeak	05970	1			1	1
WesternKingbird	04470						VariedBunting	06000					
LoggerheadShrike	06220						PaintedBunting	06010		2			
Bell's Vireo	06330		1	1	1		WesternMeadowlark	05011					
Black-cappedVireo	06300						Brn-headedCowbird	04950			2	3	
Gray Vireo	06340						Scott'sOriole	05040	1	1			
Hutton's Vireo	06320						House Finch	05190	2				
Mexican Jay	04820						LesserGoldfinch	05300					
ChihuahuanRaven	04870						NBr ☐						
Common Raven	04860						☐						
CliffSwallow	06120						☐						
Blk-crestedTitmouse	07320						☐						
Verdin	07460			2		1	☐						
Bushtit	07430						☐						
Cactus Wren	07130			1			☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3183 VEHICLES		1				1	Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

SCAN FORM
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6109521688

Country Code	Route Number	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp	Wind	Sky
80	2	0

Mileage/time(optional):

Species	AOU	Stops 41	42	43	44	45
Scaled Quail	02930					
Turkey Vulture	03250	1				
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
White-winged Dove	03190					
Mourning Dove	03160				3	
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			2	2	
Black-capped Vireo	06300					
Gray Vireo	06340					
Hutton's Vireo	06320					
Mexican Jay	04820					
Chihuahuan Raven	04870					
Common Raven	04860					
Cliff Swallow	06120					
Blk-crested Titmouse	07320					
Verdin	07460			3		2
Bushtit	07430					
Cactus Wren	07130	1				
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 41	42	43	44	45
Bewick's Wren	07190					
Blue-gry Gnatcatcher	07510					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030	1	1	1	4	2
Curve-billed Thrasher	07070		1			
Crissal Thrasher	07120					
Phainopepla	06200					
Yellow-breasted Chat	06830	1		1		
Hepatic Tanager	06090					
Summer Tanager	06100					
Spotted Towhee	05880					
Canyon Towhee	05910					
Cassin's Sparrow	05780		2			
Ruf-crowned Sparrow	05800					
Blk-chinned Sparrow	05650					
Blk-throated Sparrow	05730		2	3	1	1
Lark Bunting	06050					
Northern Cardinal	05930					
Pyrrhuloxia	05940					2
Blk-headed Grosbeak	05960					
Blue Grosbeak	05970		2		1	
Varied Bunting	06000					
Painted Bunting	06010			1		
Western Meadowlark	05011					
Brn-headed Cowbird	04950				2	3
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
NBr ☐ Bronzed cowbird					1	
☒ Cattle Egret						6
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☐						
☐						

3183	VEHICLES	1	1	1		
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

101



SCAN FORM
Page 11

0956521682

Country Code	RouteNumber	Route Name	Year
840	83900	CHISOS BASIN	2010

Temp Wind Sky

Mileage/time(optional):

End Time: (required) Temp Wind Sky: 10:42 | 88 | 1 | 0

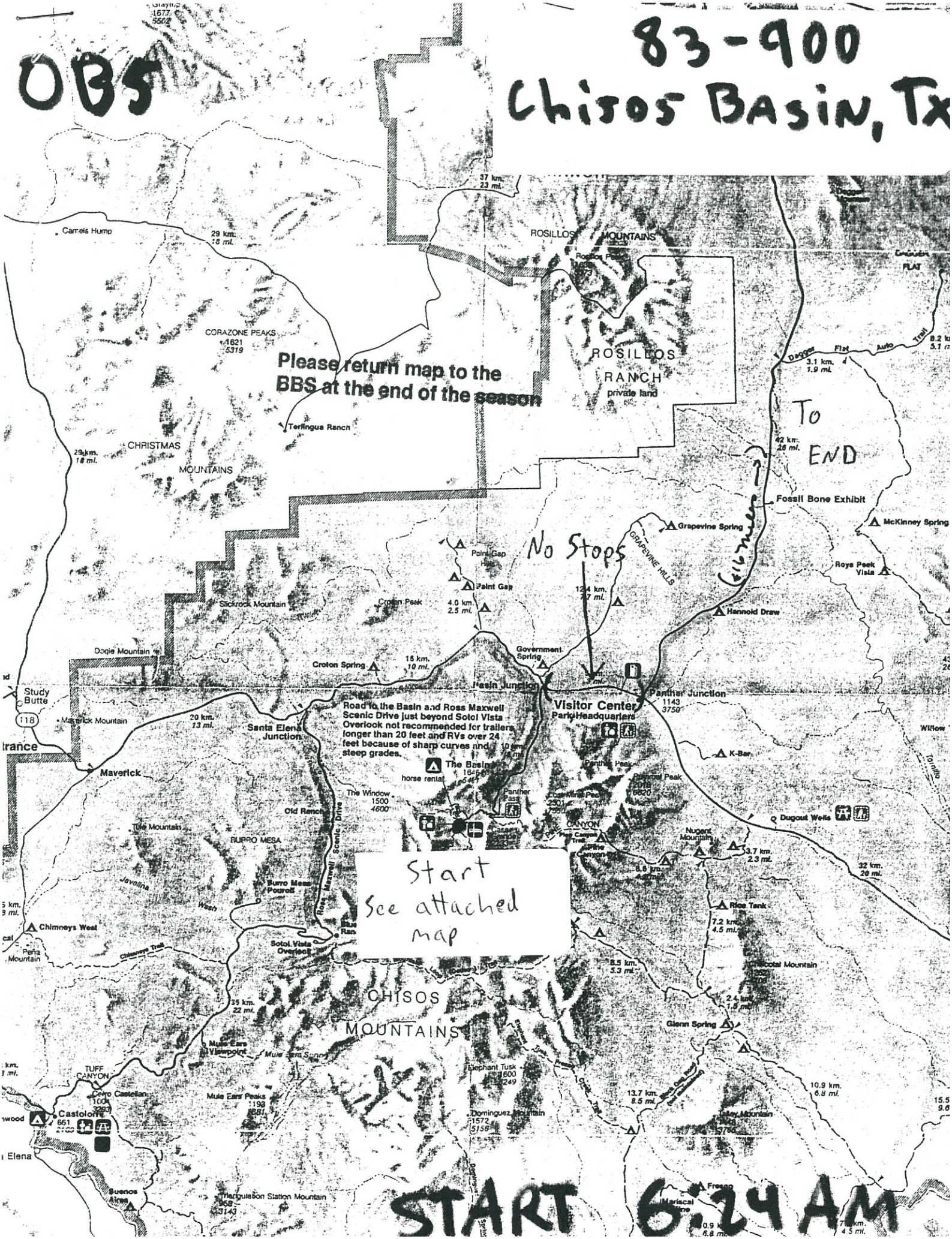
Species	AOU	Stops 46	47	48	49	50	Species	AOU	Stops 46	47	48	49	50
Scaled Quail	02930	1					Bewick's Wren	07190					
Turkey Vulture	03250			1		2	Blue-gry Gnatcatcher	07510					
Red-tailed Hawk	03370						Blk-tail Gnatcatcher	07520	1				
Peregrine Falcon	03560						Northern Mockingbird	07030	1	1	3		2
White-winged Dove	03190						Curve-billed Thrasher	07070					
Mourning Dove	03160		1			3	Crissal Thrasher	07120					
Greater Roadrunner	03850						Phainopepla	06200					
Great Horned Owl	03750						Yellow-breasted Chat	06830					
Lesser Nighthawk	04210						Hepatic Tanager	06090					
Common Nighthawk	04200						Summer Tanager	06100					
Common Poorwill	04180						Spotted Towhee	05880					
White-throated Swift	04250						Canyon Towhee	05910					
Blk-chin Hummingbird	04290						Cassin's Sparrow	05780					
Brd-tail Hummingbird	04320						Ruf-crowned Sparrow	05800					
Acorn Woodpecker	04070						Blk-chinned Sparrow	05650					
Ladder-back Woodpkr	03960						Blk-throated Sparrow	05730			4		
Western Wood-Pewee	04620						Lark Bunting	06050					
Say's Phoebe	04570						Northern Cardinal	05930					
Vermilion Flycatcher	04710						Pyrrhuloxia	05940		1		3	
Ash-throat Flycatcher	04540	1					Blk-headed Grosbeak	05960					
Cassin's Kingbird	04480						Blue Grosbeak	05970				1	
Western Kingbird	04470					1	Varied Bunting	06000					
Loggerhead Shrike	06220						Painted Bunting	06010					
Bell's Vireo	06330	1	1				Western Meadowlark	05011					
Black-capped Vireo	06300						Brn-headed Cowbird	04950					
Gray Vireo	06340						Scott's Oriole	05040			1		
Hutton's Vireo	06320						House Finch	05190		2			2
Mexican Jay	04820						Lesser Goldfinch	05300					
Chihuahuan Raven	04870						NBr ☒ Lark sparrow					2	
Common Raven	04860						☒ Osprey					1	
Cliff Swallow	06120						☐						
Blk-crested Titmouse	07320						☐						
Verdin	07460	1		1			☐						
Bushtit	07430						☐						
Cactus Wren	07130	1	1	1			☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3183 VEHICLES			4		1	2	Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

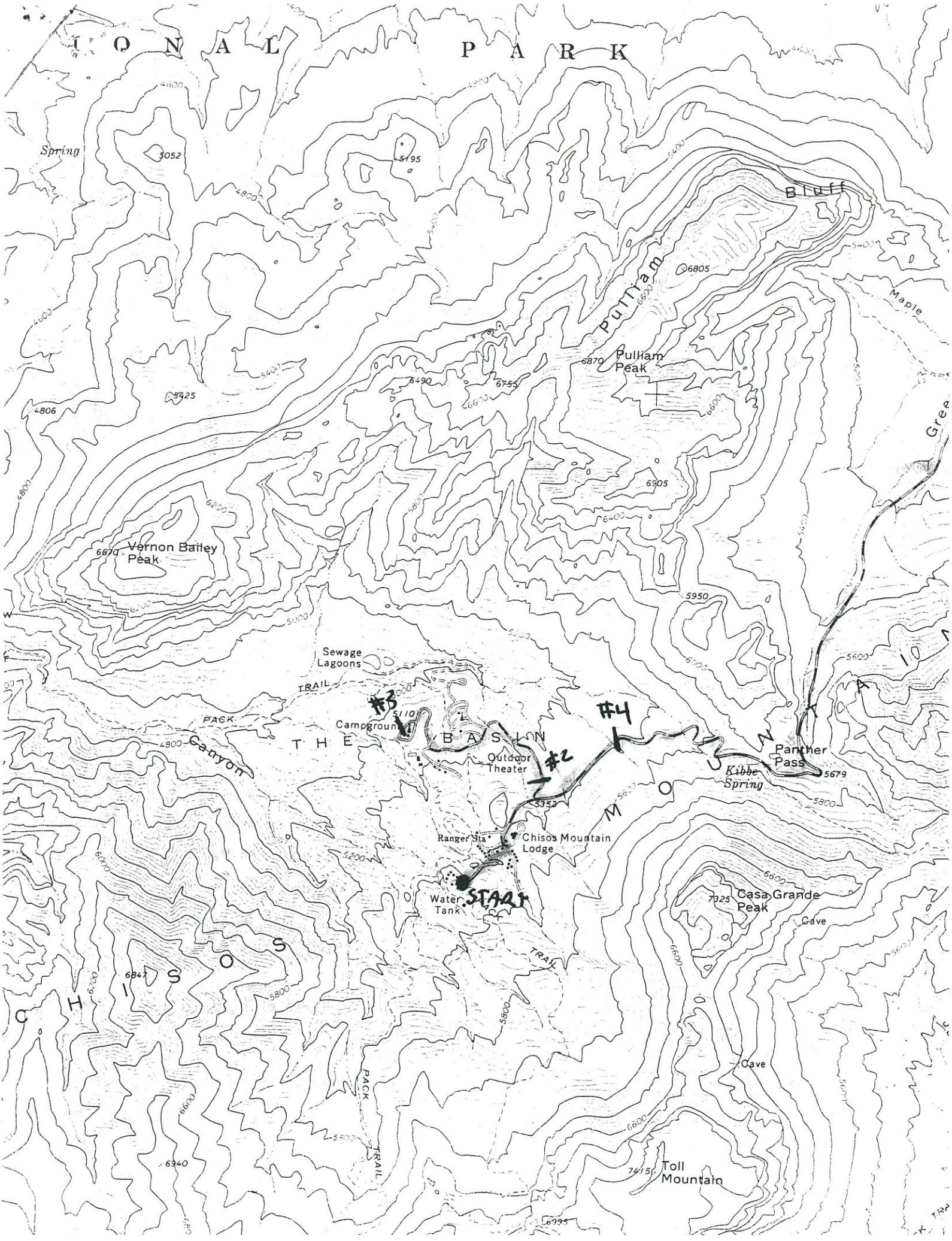
101

SCAN FORM Page 12

Comments on breeding birds- unusual observation

Bronzed cowbird is a known breeding species in the park, usually very localized in the riparian corridor of the Rio Grande (2200-1800'). This year bronzed cowbirds have been observed outside of their known areas, occuring at higher elevation (one in the Chisos Basin at 5400', others at Panther Junction at 3750')and miles away from the river corridor. The individual observed on the route was an adult male in association with the more common brown-headed cowbird. Estimated elevation at the observed location is 2700' in open desert scrub habitat (creosote dominated, scrub mesquite, isolated yucca stands).


OBS
83-900
Chisos Basin, Tx
Please return map to the BBS at the end of the season
To END
No Stops
Start
See attached map
START 6:24 AM
ROSILLOS MOUNTAINS
ROSILLOS RANCH
private land
CORAZONE PEAKS
CHRISTMAS MOUNTAINS
CHISOS MOUNTAINS
Terlingua Ranch
Camels Hump
Fossil Bone Exhibit
Grapevine Spring
McKinney Spring
Roys Peak Vista
Hannold Draw
Paint Gap
Croton Peak
Stickrock Mountain
Dogie Mountain
Croton Spring
Government Spring
Basin Junction
Visitor Center
Park Headquarters
Panther 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.
The Basin
horse rental
The Window
Old Ranch
Tule Mountain
BURRO MESA
Ross Maxwell Scenic Drive
Burro Mesa Pouroff
Javelina Wash
Chimneys West
Peña Mountain
Chimneys Trail
Sotol Vista Overlook
Study Butte
Maverick Mountain
Maverick
Santa Elena Junction
Terrance
Dugout Wells
Nugent Mountain
Rice Tank
Glenn Spring
Mule Ears Viewpoint
Mule Ears Spring
TUFF CANYON
Cerro Castellan
Castolon
Mule Ears Peaks
Elephant Tusk
Dominguez Mountain
Marquesón Station Mountain
Buenos Aires
Elena
Willow
K-Bar
Panther Peak
Pinnacal Peak
Casa Grande
Lost Mine Trail
Pine Canyon
Laguna Meadows Trail
Grapevine Hills
Dagger Flat Auto Trail
Dagger Flat
Paint Gap Hills
Mariscal
Frenchman
Carmen Mountains
Mexico
37 km. 23 mi.
29 km. 18 mi.
42 km. 26 mi.
3.1 km. 1.9 mi.
4.0 km. 2.5 mi.
12.4 km. 7.7 mi.
16 km. 10 mi.
20 km. 13 mi.
32 km. 20 mi.
3.7 km. 2.3 mi.
6.6 km. 4.1 mi.
7.2 km. 4.5 mi.
8.5 km. 5.3 mi.
2.4 km. 1.5 mi.
13.7 km. 8.5 mi.
10.9 km. 6.8 mi.
35 km. 22 mi.
29 km. 18 mi.
118
1677 5502
1621 5319
1600 5249
1572 5156
1143 3750
1500 4600
661 2100
968 3143
2301 7550
6820
6600
6800
6881
6868
6760
6775
6850
6500
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
9400
9600
9800
10000


Spring
Bluff
Pulliam
Pulliam Peak
Maple
Vernon Bailey Peak
Sewage Lagoons
TRAIL
#3
Campground
PACK
Canyon
THE BASIN
Outdoor Theater
#2
#4
Panther Pass
Kibbe Spring
Ranger Sta
Chisos Mountain Lodge
Water Tank
START
Casa Grande Peak
Cave
TRAIL
CHISOS MOUNTAINS
PACK
TRAIL
Toll Mountain

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~~ left
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. mm7

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 /

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):	05/20/2010
Start Time (hh:mm) & Status:	06 : 24 Actual
End Time (hh:mm) & Status:	10 : 23 Actual
Start Temp & Status:	62 °F Actual
End Temp & Status:	96 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:	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	0	0	6	0	0	6	5
Turkey Vulture	0	0	0	2	6	8	4
Red-tailed Hawk	0	0	1	0	0	1	1
White-winged Dove	11	0	0	0	0	11	5
Mourning Dove	9	2	0	0	1	12	8
Greater Roadrunner	0	1	0	0	0	1	1
Great Horned Owl	1	0	0	0	0	1	1
Lesser Nighthawk	26	0	0	0	0	26	8
Golden-fronted Woodpecker	1	0	0	0	0	1	1
Ladder-backed Woodpecker	0	0	0	1	1	2	2
Say's Phoebe	1	0	0	0	0	1	1
Ash-throated Flycatcher	5	5	2	1	1	14	12
Western Kingbird	0	0	0	0	1	1	1
Bell's Vireo	0	0	1	5	3	9	8
Common Raven	0	0	0	0	1	1	1
Verdin	0	1	0	5	4	10	7
Cactus Wren	1	21	10	9	6	47	33
Bewick's Wren	0	0	0	2	0	2	2
Black-tailed Gnatcatcher	1	0	2	0	3	6	6
Northern Mockingbird	3	6	8	11	3	31	25
Curve-billed Thrasher	1	0	0	0	0	1	1
Lucy's Warbler	1	0	0	0	0	1	1
Yellow-breasted Chat	12	0	0	0	1	13	5
Canyon Towhee	1	3	2	3	0	9	9
Rufous-crowned Sparrow	0	0	5	7	0	12	8
Chipping Sparrow	0	0	0	0	1	1	1
Black-throated Sparrow	30	25	25	7	14	101	40
Northern Cardinal	1	0	0	0	0	1	1
Pyrrhuloxia	3	11	9	4	8	35	25
Blue Grosbeak	0	2	5	3	2	12	10
Varied Bunting	0	0	0	2	1	3	2

Painted Bunting	1	0	2	0	0	3	3
Brown-headed Cowbird	0	0	0	3	0	3	2
Scott's Oriole	0	1	1	0	0	2	2
House Finch	12	11	0	0	0	23	11
Total Species:35	**Total ind.:411**						
Vehicles	1	1	6	19	5	32	15
Noise	0	0	0	1	0	1	1

Print Field Sheet and Stops Data FLIPPO, MARK /

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):	05/20/2010	
Start Time (hh:mm) & Status:	06 : 24	Actual
End Time (hh:mm) & Status:	10 : 23	Actual
Start Temp & Status:	62 °F	Actual
End Temp & Status:	96	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:	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? (2011) ?	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?	No
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.	7 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	1	2	5	2		No
03160-Mourning Dove		1	3	3	1	No
04210-Lesser Nighthawk	5	6	1	3	4	No
04100-Golden-fronted Woodpecker				1		No
04540-Ash-throated Flycatcher	1	1			2	No
07030-Northern Mockingbird		2		1		No
07070-Curve-billed Thrasher			1			No
06430-Lucy's Warbler			1			No
06830-Yellow-breasted Chat	3	4	3	2		No
05730-Black-throated Sparrow	2	4	3	3	5	No
05930-Northern Cardinal			1			No
06010-Painted Bunting	1					No
05190-House Finch			1	5	2	No
Number of Vehicles	"	"	"	"	"	
Excessive Noise						

AOU-Species	6	7	8	9	10	Non-Breeder
03190-White-winged Dove	1					No
03160-Mourning Dove		1				No
03750-Great Horned Owl				1		No
04210-Lesser Nighthawk	4			1	2	No
04570-Say's Phoebe		1				No
04540-Ash-throated Flycatcher		1				No
07130-Cactus Wren					1	No
07520-Black-tailed Gnatcatcher	1					No
05910-Canyon Towhee				1		No
05730-Black-throated Sparrow	3	3		3	4	No
05940-Pyrrhuloxia	1			1	1	No
05190-House Finch			1		3	No
Number of Vehicles			1			
Excessive Noise						

AOU-Species	11	12	13	14	15	Non-Breeder
03160-Mourning Dove		1	1			No
03850-Greater Roadrunner			1			No
04540-Ash-throated Flycatcher		1	1	2		No
07130-Cactus Wren	2	1	1	1	2	No
07030-Northern Mockingbird		1	2	1	1	No
05730-Black-throated Sparrow	3	1	2	3	2	No
05940-Pyrrhuloxia	4	2	1			No
05970-Blue Grosbeak					1	No
05190-House Finch	2	3			1	No
Number of Vehicles		1				
Excessive Noise						

AOU-Species	16	17	18	19	20	Non-Breeder
04540-Ash-throated Flycatcher					1	No
07460-Verdin					1	No
07130-Cactus Wren	2	2	3	3	4	No
07030-Northern Mockingbird					1	No
05910-Canyon Towhee		1	1		1	No
05730-Black-throated Sparrow	4	2	3	3	2	No

05940-Pyrrhuloxia	1			2	1	No
05970-Blue Grosbeak				1		No
05040-Scott's Oriole		1				No
05190-House Finch		2	1	2		No
Number of Vehicles						
Excessive Noise						

AOU-Species	**21**	**22**	**23**	**24**	**25**	**Non-Breeder**
02930-Scaled Quail				1		No
04540-Ash-throated Flycatcher		1				No
07130-Cactus Wren	1	2	1	1	1	No
07520-Black-tailed Gnatcatcher		1				No
07030-Northern Mockingbird			1	1	1	No
05910-Canyon Towhee	1					No
05800-Rufous-crowned Sparrow			1			No
05730-Black-throated Sparrow	4	7	2		2	No
05940-Pyrrhuloxia		2	1	1	1	No
05040-Scott's Oriole	1					No
Number of Vehicles		1		1		
Excessive Noise						

AOU-Species	**26**	**27**	**28**	**29**	**30**	**Non-Breeder**
02930-Scaled Quail		2	1	1	1	No
03370-Red-tailed Hawk	1					No
04540-Ash-throated Flycatcher					1	No
06330-Bell's Vireo	1					No
07130-Cactus Wren	1	1			2	No
07520-Black-tailed Gnatcatcher		1				No
07030-Northern Mockingbird	1	1	1		2	No
05910-Canyon Towhee	1					No
05800-Rufous-crowned Sparrow			2	1	1	No
05730-Black-throated Sparrow		2	2	3	3	No
05940-Pyrrhuloxia	1	1	1	1		No
05970-Blue Grosbeak	1	1	2	1		No
06010-Painted Bunting	1	1				No
Number of Vehicles	1			1	2	
Excessive Noise						

AOU-Species	**31**	**32**	**33**	**34**	**35**	**Non-Breeder**
03960-Ladder-backed Woodpecker					1	No
07460-Verdin	1					No
07130-Cactus Wren	1		1	1	1	No
07190-Bewick's Wren	1					No
07030-Northern Mockingbird	2	2		1	1	No
05910-Canyon Towhee	1		1	1		No
05800-Rufous-crowned Sparrow	1	2	2	2		No
05730-Black-throated Sparrow		1		1	1	No
05970-Blue Grosbeak		1				No
Number of Vehicles	2	14				
Excessive Noise						

AOU-Species	**36**	**37**	**38**	**39**	**40**	**Non-Breeder**
03250-Turkey Vulture			1	1		No
04540-Ash-throated Flycatcher				1		No
06330-Bell's Vireo	1	2	1		1	No
07460-Verdin		2	1		1	No

07130-Cactus Wren		1	2	1	1	No
07190-Bewick's Wren	1					No
07030-Northern Mockingbird	1	1	1	1	1	No
05730-Black-throated Sparrow	1	2	1			No
05940-Pyrrhuloxia	3		1			No
05970-Blue Grosbeak					2	No
06000-Varied Bunting				2		No
04950-Brown-headed Cowbird			2	1		No
Number of Vehicles		2			1	
Excessive Noise						

AOU-Species	41	42	43	44	45	Non-Breeder
03250-Turkey Vulture		1	5			No
03160-Mourning Dove			1			No
04470-Western Kingbird			1			No
06330-Bell's Vireo		1	1			No
07460-Verdin		3			1	No
07130-Cactus Wren		1		1	1	No
07520-Black-tailed Gnatcatcher	1	1			1	No
07030-Northern Mockingbird			1		2	No
06830-Yellow-breasted Chat			1			No
05600-Chipping Sparrow	1					Yes
05730-Black-throated Sparrow	2	1		3	2	No
05940-Pyrrhuloxia	1		1	2	2	No
05970-Blue Grosbeak				1		No
06000-Varied Bunting		1				No
Number of Vehicles						
Excessive Noise						

AOU-Species	46	47	48	49	50	Non-Breeder
03960-Ladder-backed Woodpecker	1					No
04540-Ash-throated Flycatcher					1	No
06330-Bell's Vireo	1					No
04860-Common Raven					1	No
07130-Cactus Wren	1		1		1	No
05730-Black-throated Sparrow		4	1	1		No
05940-Pyrrhuloxia		1		1		No
05970-Blue Grosbeak				1		No
Number of Vehicles		1	1	1	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)

2880521680

2010 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): 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 / 20 / 2010

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

3. Start temp 062 **End temp** 96 ○ 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 07	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 2010

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 eleven 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: 7/31/2012

RPID 101

3120

SCAN FORM

6018521687 If you sample multiple routes, you need to 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 sheets.
- 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!

9981521689

Official Start Time: 0624
Actual Start Time: 0624

(required) Temp Wind Sky: 62 0 0

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

Date (mm/dd/yyyy): 05/20/2010

Mileage/time(optional):

Observer's Name: Mark Flippo

Species	AOU	Stops 1	2	3	4	5	Species	AOU	Stops 1	2	3	4	5
Scaled Quail	02930						Bewick's Wren	07190					
Turkey Vulture	03250						Blk-tail Gnatcatcher	07520					
Gray Hawk	03460						Northern Mockingbird	07030		2		1	
Red-tailed Hawk	03370						Curve-billed Thrasher	07070			1		
Peregrine Falcon	03560						Crissal Thrasher	07120					
Killdeer	02730						Phainopepla	06200					
White-winged Dove	03190	1	2	5	2		Lucy's Warbler	06430			1		
Mourning Dove	03160		1	3	3	1	Common Yellowthroat	06810					
Inca Dove	03210						Yellow-breasted Chat	06830	3	4	3	2	
Yellow-billed Cuckoo	03870						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Western Screech-Owl	03732						Cassin's Sparrow	05780					
Great Horned Owl	03750						Ruf-crowned Sparrow	05800					
Elf Owl	03810						Lark Sparrow	05520					
Lesser Nighthawk	04210	5	6	1	3	4	Blk-throated Sparrow	05730	2	4	3	3	5
Common Nighthawk	04200						Northern Cardinal	05930			1		
Common Poorwill	04180						Pyrrhuloxia	05940					
White-throated Swift	04250						Blue Grosbeak	05970					
Gold-frnt Woodpecker	04100				1		Varied Bunting	06000					
Ladder-back Woodpkr	03960						Painted Bunting	06010	1				
Say's Phoebe	04570						Bronzed Cowbird	04960					
Vermilion Flycatcher	04710						Brn-headed Cowbird	04950					
Ash-throat Flycatcher	04540	1	1			2	Orchard Oriole	05060					
Brn-crest Flycatcher	04530						Scott's Oriole	05040					
Tropical Kingbird	04460						House Finch	05190			1	5	2
Cassin's Kingbird	04480						Lesser Goldfinch	05300					
Western Kingbird	04470												
Loggerhead Shrike	06220												
Bell's Vireo	06330						NBr ☐						
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						☐						

3120 VEHICLES

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder.

101

SCAN FORM Page 3

0013521686

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2010

Temp Wind Sky | Mileage/time(optional):

Species	AOU	Stops 6	7	8	9	10
Scaled Quail	02930					
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
Killdeer	02730					
White-winged Dove	03190	1				
Mourning Dove	03160		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	4			1	2
Common Nighthawk	04200					
Common Poorwill	04180					
White-throated Swift	04250					
Gold-frnt Woodpecker	04100					
Ladder-back Woodpkr	03960					
Say's Phoebe	04570		1			
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					
Cactus Wren	07130					1
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 6	7	8	9	10
Bewick's Wren	07190					
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				1	
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	3	3		3	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			1		3
Lesser Goldfinch	05300					
NBr ☐						
☐						
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3120	VEHICLES			1		
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

101

SCAN FORM Page 4

2247521687

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2010

Temp | Wind | Sky: 68 | 0 | 0

Mileage/time(optional):

Species	AOU	Stops 11	12	13	14	15	Species	AOU	Stops 11	12	13	14	15
Scaled Quail	02930						Bewick's Wren	07190					
Turkey Vulture	03250						Blk-tail Gnatcatcher	07520					
Gray Hawk	03460						Northern Mockingbird	07030		1	2	1	1
Red-tailed Hawk	03370						Curve-billed Thrasher	07070					
Peregrine Falcon	03560						Crissal Thrasher	07120					
Killdeer	02730						Phainopepla	06200					
White-winged Dove	03190						Lucy's Warbler	06430					
Mourning Dove	03160		1	1			Common Yellowthroat	06810					
Inca Dove	03210						Yellow-breasted Chat	06830					
Yellow-billed Cuckoo	03870						Summer Tanager	06100					
Greater Roadrunner	03850			1			Canyon Towhee	05910					
Western Screech-Owl	03732						Cassin's Sparrow	05780					
Great Horned Owl	03750						Ruf-crowned Sparrow	05800					
Elf Owl	03810						Lark Sparrow	05520					
Lesser Nighthawk	04210						Blk-throated Sparrow	05730	3	1	2	3	2
Common Nighthawk	04200						Northern Cardinal	05930					
Common Poorwill	04180						Pyrrhuloxia	05940	4	2	1		
White-throated Swift	04250						Blue Grosbeak	05970					1
Gold-frnt Woodpecker	04100						Varied Bunting	06000					
Ladder-back Woodpkr	03960						Painted Bunting	06010					
Say's Phoebe	04570						Bronzed Cowbird	04960					
Vermilion Flycatcher	04710						Brn-headed Cowbird	04950					
Ash-throat Flycatcher	04540		1	1	2		Orchard Oriole	05060					
Brn-crest Flycatcher	04530						Scott's Oriole	05040					
Tropical Kingbird	04460						House Finch	05190	2	3			1
Cassin's Kingbird	04480						Lesser Goldfinch	05300					
Western Kingbird	04470												
Loggerhead Shrike	06220												
Bell's Vireo	06330						NBr ☐						
Gray Vireo	06340						☐						
Common Raven	04860						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Verdin	07460						☐						
Cactus Wren	07130	2	1	1	1	2	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3120 VEHICLES			1				Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

5114521683

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2010

Temp | Wind | Sky

Mileage/time (optional):

Species	AOU	Stops 16	17	18	19	20
Scaled Quail	02930					
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
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					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	2	3	3	4
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 16	17	18	19	20
Bewick's Wren	07190					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030					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		1	1		1
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730	4	2	3	3	2
Northern Cardinal	05930					
Pyrrhuloxia	05940	1			2	1
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		2	1	2	
Lesser Goldfinch	05300					
NBr ☐						
☐						
☐						
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☐						
☐						
☐						
☐						

3120 **VEHICLES**

Excessive Noise: ○ ○ ○ ○ ○

Check box if non-breeder.

101

SCAN FORM

7900521688

Country Code	RouteNumber	Route Name	Year
840	83319	CASTOLON	2010

Temp Wind Sky: 76 | 0 | 0

Mileage/time(optional):

Species	AOU	Stops 21	22	23	24	25	Species	AOU	Stops 21	22	23	24	25
Scaled Quail	02930				1		Bewick's Wren	07190					
Turkey Vulture	03250						Blk-tail Gnatcatcher	07520		1			
Gray Hawk	03460						Northern Mockingbird	07030			1	1	1
Red-tailed Hawk	03370						Curve-billed Thrasher	07070					
Peregrine Falcon	03560						Crissal Thrasher	07120					
Killdeer	02730						Phainopepla	06200					
White-winged Dove	03190						Lucy's Warbler	06430					
Mourning Dove	03160						Common Yellowthroat	06810					
Inca Dove	03210						Yellow-breasted Chat	06830					
Yellow-billed Cuckoo	03870						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910	1				
Western Screech-Owl	03732						Cassin's Sparrow	05780					
Great Horned Owl	03750						Ruf-crowned Sparrow	05800			1		
Elf Owl	03810						Lark Sparrow	05520					
Lesser Nighthawk	04210						Blk-throated Sparrow	05730	4	7	2		2
Common Nighthawk	04200						Northern Cardinal	05930					
Common Poorwill	04180						Pyrrhuloxia	05940		2	1	1	1
White-throated Swift	04250						Blue Grosbeak	05970					
Gold-frnt Woodpecker	04100						Varied Bunting	06000					
Ladder-back Woodpkr	03960						Painted Bunting	06010					
Say's Phoebe	04570						Bronzed Cowbird	04960					
Vermilion Flycatcher	04710						Brn-headed Cowbird	04950					
Ash-throat Flycatcher	04540		1				Orchard Oriole	05060					
Brn-crest Flycatcher	04530						Scott's Oriole	05040	1				
Tropical Kingbird	04460						House Finch	05190					
Cassin's Kingbird	04480						Lesser Goldfinch	05300					
Western Kingbird	04470												
Loggerhead Shrike	06220												
Bell's Vireo	06330						NBr ☐						
Gray Vireo	06340						☐						
Common Raven	04860						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Verdin	07460						☐						
Cactus Wren	07130	1	2	1	1	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3120 **VEHICLES**			1		1		Check box if non-breeder.	101					
Excessive Noise:		○	○	○	○	○							

SCAN FORM Page 7

7458521686

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2010

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	1				
Peregrine Falcon	03560					
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					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					
Cactus Wren	07130	1	1			2
Rock Wren	07150					
Canyon Wren	07170					

Species	AOU	Stops 26	27	28	29	30
Bewick's Wren	07190					
Blk-tail Gnatcatcher	07520		1			
Northern Mockingbird	07030	1	1	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	1				
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800			2	1	1
Lark Sparrow	05520					
Blk-throated Sparrow	05730		2	2	3	3
Northern Cardinal	05930					
Pyrrhuloxia	05940	1	1	1	1	
Blue Grosbeak	05970	1	1	2	1	
Varied Bunting	06000					
Painted Bunting	06010	1	1			
Bronzed Cowbird	04960					
Brn-headed Cowbird	04950					
Orchard Oriole	05060					
Scott's Oriole	05040					
House Finch	05190					
Lesser Goldfinch	05300					
NBr ☐						
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3120	VEHICLES	1			1	2
	Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

101

SCAN FORM Page 8

1790521689

Country Code	RouteNumber	Route Name	Year
840	83319	CASTOLON	2010

Temp Wind Sky: 86 0 0

Mileage/time(optional):

Species	AOU	Stops 31	32	33	34	35	Species	AOU	Stops 31	32	33	34	35
Scaled Quail	02930						Bewick's Wren	07190	1				
Turkey Vulture	03250						Blk-tail Gnatcatcher	07520					
Gray Hawk	03460						Northern Mockingbird	07030	2	2		1	1
Red-tailed Hawk	03370						Curve-billed Thrasher	07070					
Peregrine Falcon	03560						Crissal Thrasher	07120					
Killdeer	02730						Phainopepla	06200					
White-winged Dove	03190						Lucy's Warbler	06430					
Mourning Dove	03160						Common Yellowthroat	06810					
Inca Dove	03210						Yellow-breasted Chat	06830					
Yellow-billed Cuckoo	03870						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910	1		1	1	
Western Screech-Owl	03732						Cassin's Sparrow	05780					
Great Horned Owl	03750						Ruf-crowned Sparrow	05800	1	2	2	2	
Elf Owl	03810						Lark Sparrow	05520					
Lesser Nighthawk	04210						Blk-throated Sparrow	05730		1		1	1
Common Nighthawk	04200						Northern Cardinal	05930					
Common Poorwill	04180						Pyrrhuloxia	05940					
White-throated Swift	04250						Blue Grosbeak	05970		1			
Gold-frnt Woodpecker	04100						Varied Bunting	06000					
Ladder-back Woodpkr	03960					1	Painted Bunting	06010					
Say's Phoebe	04570						Bronzed Cowbird	04960					
Vermilion Flycatcher	04710						Brn-headed Cowbird	04950					
Ash-throat Flycatcher	04540						Orchard Oriole	05060					
Brn-crest Flycatcher	04530						Scott's Oriole	05040					
Tropical Kingbird	04460						House Finch	05190					
Cassin's Kingbird	04480						Lesser Goldfinch	05300					
Western Kingbird	04470												
Loggerhead Shrike	06220												
Bell's Vireo	06330						NBr ☐						
Gray Vireo	06340						☐						
Common Raven	04860						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Verdin	07460	1					☐						
Cactus Wren	07130	1		1	1	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3120 VEHICLES		2	14				Check box if non-breeder.						
Excessive Noise:		○	●	○	○	○							

101

SCAN FORM Page 9

4210521689

Country Code	RouteNumber	Route Name	Year
840	83319	CASTOLON	2010

Temp Wind Sky

Mileage/time(optional):

Species	AOU	Stops 36	37	38	39	40	Species	AOU	Stops 36	37	38	39	40
Scaled Quail	02930						Bewick's Wren	07190	1				
Turkey Vulture	03250			1	1		Blk-tail Gnatcatcher	07520					
Gray Hawk	03460						Northern Mockingbird	07030	1	1	1	1	1
Red-tailed Hawk	03370						Curve-billed Thrasher	07070					
Peregrine Falcon	03560						Crissal Thrasher	07120					
Killdeer	02730						Phainopepla	06200					
White-winged Dove	03190						Lucy's Warbler	06430					
Mourning Dove	03160						Common Yellowthroat	06810					
Inca Dove	03210						Yellow-breasted Chat	06830					
Yellow-billed Cuckoo	03870						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Western Screech-Owl	03732						Cassin's Sparrow	05780					
Great Horned Owl	03750						Ruf-crowned Sparrow	05800					
Elf Owl	03810						Lark Sparrow	05520					
Lesser Nighthawk	04210						Blk-throated Sparrow	05730	1	2	1		
Common Nighthawk	04200						Northern Cardinal	05930					
Common Poorwill	04180						Pyrrhuloxia	05940	3		1		
White-throated Swift	04250						Blue Grosbeak	05970					2
Gold-frnt Woodpecker	04100						Varied Bunting	06000				2	
Ladder-back Woodpkr	03960						Painted Bunting	06010					
Say's Phoebe	04570						Bronzed Cowbird	04960					
Vermilion Flycatcher	04710						Brn-headed Cowbird	04950			2	1	
Ash-throat Flycatcher	04540				1		Orchard Oriole	05060					
Brn-crest Flycatcher	04530						Scott's Oriole	05040					
Tropical Kingbird	04460						House Finch	05190					
Cassin's Kingbird	04480						Lesser Goldfinch	05300					
Western Kingbird	04470												
Loggerhead Shrike	06220												
Bell's Vireo	06330	1	2	1		1	NBr ☐						
Gray Vireo	06340						☐						
Common Raven	04860						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Verdin	07460		2	1		1	☐						
Cactus Wren	07130		1	2	6	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3120 VEHICLES			2			1	Check box if non-breeder.						
Excessive Noise:		○	○	○	○	○							

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SCAN FORM
Page 10

6109521688

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2010

Temp | Wind | Sky: 92 | 1 | 0

Mileage/time (optional):

Species	AOU	Stops 41	42	43	44	45	Species	AOU	Stops 41	42	43	44	45
Scaled Quail	02930						Bewick's Wren	07190					
Turkey Vulture	03250		1	5			Blk-tail Gnatcatcher	07520	1	1			1
Gray Hawk	03460						Northern Mockingbird	07030			1		2
Red-tailed Hawk	03370						Curve-billed Thrasher	07070					
Peregrine Falcon	03560						Crissal Thrasher	07120					
Killdeer	02730						Phainopepla	06200					
White-winged Dove	03190						Lucy's Warbler	06430					
Mourning Dove	03160			1			Common Yellowthroat	06810					
Inca Dove	03210						Yellow-breasted Chat	06830			1		
Yellow-billed Cuckoo	03870						Summer Tanager	06100					
Greater Roadrunner	03850						Canyon Towhee	05910					
Western Screech-Owl	03732						Cassin's Sparrow	05780					
Great Horned Owl	03750						Ruf-crowned Sparrow	05800					
Elf Owl	03810						Lark Sparrow	05520					
Lesser Nighthawk	04210						Blk-throated Sparrow	05730	2	1		3	2
Common Nighthawk	04200						Northern Cardinal	05930					
Common Poorwill	04180						Pyrrhuloxia	05940	1		1	2	2
White-throated Swift	04250						Blue Grosbeak	05970				1	
Gold-frnt Woodpecker	04100						Varied Bunting	06000		1			
Ladder-back Woodpkr	03960						Painted Bunting	06010					
Say's Phoebe	04570						Bronzed Cowbird	04960					
Vermilion Flycatcher	04710						Brn-headed Cowbird	04950					
Ash-throat Flycatcher	04540						Orchard Oriole	05060					
Brn-crest Flycatcher	04530						Scott's Oriole	05040					
Tropical Kingbird	04460						House Finch	05190					
Cassin's Kingbird	04480						Lesser Goldfinch	05300					
Western Kingbird	04470			1									
Loggerhead Shrike	06220												
Bell's Vireo	06330		1	1			NBr ☒ Chipping sparrow		1				
Gray Vireo	06340						☐						
Common Raven	04860						☐						
N Rgh-wing Swallow	06170						☐						
Cliff Swallow	06120						☐						
Verdin	07460		3			1	☐						
Cactus Wren	07130		1		1	1	☐						
Rock Wren	07150						☐						
Canyon Wren	07170						☐						
3120 VEHICLES							Check box if non-breeder.	101					
Excessive Noise:		○	○	○	○	○							

SCAN FORM
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0956521682

Country Code	Route Number	Route Name	Year
840	83319	CASTOLON	2010

Temp Wind Sky: [ ] [ ] [ ]

Mileage/time(optional): [ ] [ ] [ ] [ ] [ ]

End Time: 1023 (required) Temp Wind Sky: 96 | 1 | 0

Species	AOU	Stops 46	47	48	49	50
Scaled Quail	02930					
Turkey Vulture	03250					
Gray Hawk	03460					
Red-tailed Hawk	03370					
Peregrine Falcon	03560					
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					1
N Rgh-wing Swallow	06170					
Cliff Swallow	06120					
Verdin	07460					
Cactus Wren	07130	1		1		1
Rock Wren	07150					
Canyon Wren	07170					

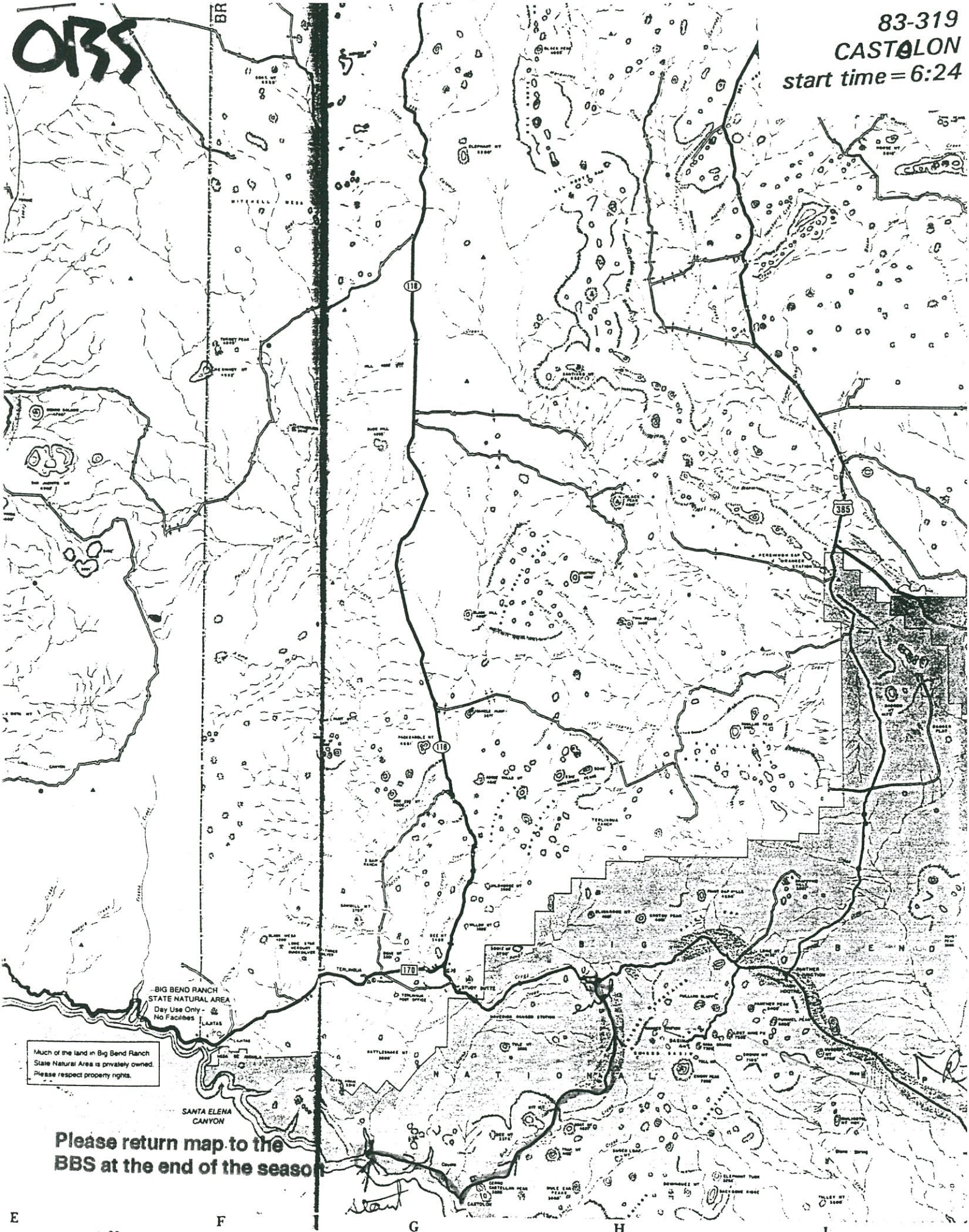
Species	AOU	Stops 46	47	48	49	50
Bewick's Wren	07190					
Blk-tail Gnatcatcher	07520					
Northern Mockingbird	07030					
Curve-billed Thrasher	07070					
Crissal Thrasher	07120					
Phainopepla	06200					
Lucy's Warbler	06430					
Common Yellowthroat	06810					
Yellow-breasted Chat	06830					
Summer Tanager	06100					
Canyon Towhee	05910					
Cassin's Sparrow	05780					
Ruf-crowned Sparrow	05800					
Lark Sparrow	05520					
Blk-throated Sparrow	05730		4	1	1	
Northern Cardinal	05930					
Pyrrhuloxia	05940		1		1	
Blue Grosbeak	05970				1	
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					
NBr ☐						
☐						
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☐						
☐						

3120 VEHICLES		1	1	1	2
Excessive Noise:	○	○	○	○	○

Check box if non-breeder.

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SCAN FORM


0835
83-319
CASTOLON
start time = 6:24
BR
118
385
170
BIG BEND RANCH
STATE NATURAL AREA
Day Use Only -
No Facilities
LAJITAS
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
E
F
G
H
I
60
84
96
108

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
3. mm0 by Cottonwood Campground sign
4. mm23
5. 0.5 by wooden post on east
6. just before mm22, turnout on East, ~~W of interpretive sign~~
7. gravel on East, 0.5 at curve
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 —
12. mm19, by post on right
13. 0.5½ on right on curve
14. before mm18, turnout on East
15. 0.6 turnout on East -
16. just beyond mm 17 on right
17. 0.5, ~~red dirt on West side~~ right
18. mm16, turnout at sign
19. Mule Ears turnout

BREEDING BIRD SURVEY ROUTE — CASTOLON (continued)

20. mm15, on West — .1 further to Goat Mtn Exhibit
21. 0.5 ~~beyond~~ drainage, on East — 0.4
22. turnout before mm14 on East
23. turnout on left, top of hill
24. mm13
25. Chimneys Trail turnout on West
26. stop in drainage just before mm12 — ~~Nuevo~~ replace
27. Burro Mesa Pouroff Road
28. mm11 — bad - [illegible] - better [illegible] - right
29. 0.5 either side - [illegible] right
30. mm10, either side
31. start of hairpin curve - on around [illegible]
32. mm9 - [illegible]
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