

MOURNING DOVE CALL - COUNT SURVEY

U.S. FISH AND WILDLIFE SERVICE, DIVISION OF MIGRATORY BIRD MANAGEMENT,
11510 AMERICAN HOLLY DR., LAUREL, MD, USA 20708-4002

SURVEY YEAR

STATE

ROUTE NUMBER

LOCATION OF ROUTE

PHYSIOGRAPHIC REGION

COUNTY

AT START - STOP NO. 1

WIND VELOCITY

B-

AT FINISH - MILE 20.0

WIND VELOCITY

B-

DATE OF SURVEY

____ / ____ / ____
MONTH DAY YEAR

TEMPERATURE

°F

TEMPERATURE

°F

LAST YEAR'S OBSERVER(S)

VEHICLE MILEAGE

VEHICLE MILEAGE

OBSERVER'S NAME (Please print: First - Last)

-AGENCY

STATE

LOCAL OFFICIAL

FEDERAL

OTHER

SUNRISE TIME

____ A.M

Phone:

E-mail:

MAILING ADDRESS

DID YOU ENTER RESULTS THROUGH THE INTERNET ?

YES NO

STOP NUMBER	TIME AT STOP	DOVES HEARD	DOVES SEEN		DISTURBANCE				REMARKS (or GPS coordinates)
		NO. OF INDIVIDUAL DOVES HEARD CALLING	WHILE STOPPED	WHILE DRIVING	NO	LOW	MOD	HI	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
TOTALS					TOTAL DOVES SEEN (Stopped & Driving)				

INSTRUCTIONS FOR MOURNING DOVE CALL – COUNT SURVEY

Please follow the instructions closely so that data from your route will be of maximum value. The quality of the survey depends on you.

DATES OF SURVEY	The first day of the 200X CCS will be _____, and the last day will be _____. To qualify for the 200X analysis, survey field forms must be received at Laurel, MD, and if instructed by your State coordinator all data must be entered via the CCS website by _____.
WEATHER CONDITIONS	Do not conduct survey when <ul style="list-style-type: none"> (1) wind velocities exceed Beaufort 3 (12 mph), (2) rain or snow is falling.
STARTING TIMES	Start routes exactly 1/2 hour before sunrise . Sunrise and approximate stop times are provided on the survey form under “Local Official Sunrise Time” and “Time at Stop.” If necessary, consult < http://aa.usno.navy.mil/data/docs/RS_OneYear.php > or determine the sunrise time from an official source adjusted to route locality, and determine approximate stop times by following the PROCEDURE section, below. Please note any alternative sunrise time source on your survey form.
OBSERVER	The vehicle driver is the sole observer. Persons accompanying the driver are not to assist the driver in the collection of dove data. When possible, the observer should run the same route in successive years. If it is known that a new observer will take over next year, both observers (old and new) should run the survey together this year to ensure that the new observer learns survey procedures and local route conditions. Both observers should record data on separate forms without conferring.
SURVEY ROUTE	Routes are 20 miles in length, with 20 stops (listening stations) at 1-mile intervals. Remember that stop 20 is 19 miles from stop 1, and the observer must continue driving and counting doves to complete the 20th mile of the route. The route begins at Stop #1 and continues 1-mile <i>past</i> stop #20. A typical error is to neglect to observe, count, and record doves seen for the last driven mile of the survey.

PROCEDURE	Special Note	Allow about two hours to complete a survey route. Allow exactly 3 minutes for counts at each stop and an average of 3 minutes for recording and travel time between stops.
	At Stop #1	Record wind velocity as 0,1,2,3, using Beaufort scale. Record temperature and vehicle mileage.
	At Each Stop	Stop vehicle, turn off ignition, leave vehicle. Listen and observe for exactly 3 minutes , standing away from vehicle. Record: <ul style="list-style-type: none"> (1) Actual time the count begins if different by more than 5 minutes from printed time. (2) Total number of individual doves heard calling, not individual calls. (3) Total number of doves seen while stopped. (4) Disturbance affecting count at each stop. (5) Remarks, if applicable to survey.
	Between Stops	Maintain driving speed of about 35 miles/hour between stops. Record: <ul style="list-style-type: none"> (1) Total number of doves seen while driving. Enter data on same line as previous stop number. Remember to continue collecting observations for the twentieth mile of the survey, after stop 20.
	At Finish	Record: <ul style="list-style-type: none"> (1) Weather conditions and vehicle mileage. (2) Total all columns for doves heard and seen.
Check form for completeness and accuracy.		

REPORTING	Immediately after the completion of each route: <ol style="list-style-type: none"> (1) Mail the original form directly to Dove Survey, Division of Migratory Bird Management, 11510 American Holly Dr., Laurel, Maryland, 20708-4002. Forms must be received at the Laurel office by _____. Fax your form if necessary to (301) 497-5871 to meet this cut off date, and then mail the original form. (2) Survey results should also be entered via the Internet at http://mdoveccs.fws.gov Check with your state coordinator to confirm who will be entering the results. Survey data should also be entered by _____. (3) Mail the following to your State coordinator: <ol style="list-style-type: none"> a. 1 copy of the form b. 1 copy of the survey route map (3) Retain a copy for your personal file.
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WIND VELOCITY	Beaufort Number	Velocity (mph)	Suggestions for Estimating Wind Velocity
	0	Less than 1	Smoke rises vertically.
	1	1 to 3	Direction of wind shown by smoke drift, but not by wind vanes.
	2	4 to 7	Wind felt on face, leaves rustle, ordinary wind vane moves.
	3	8 to 12	Leaves and small twigs in constant motion; wind extends light flag.

DISTURBANCE	Disturbance	Description	Example
	NO	No appreciable effect on count.	Occasional crow calling.
	LO	Slightly affecting count.	Distant tractor noise.
	MOD	Moderately affecting count.	Intermittent traffic.
	HI	Seriously affecting count.	Heavy-continuous traffic.

Your cooperation in this important survey is appreciated greatly. About mid-July you can view and print the results of this year’s call-count survey online at <http://migratorybirds.fws.gov/reports/reports.html> You can also query and download Mourning Dove CCS route level data at <http://mbdcapps.fws.gov>

In accordance with the Privacy Act (5 U.S.C. 522a) and the Paperwork Reduction Act (44 U.S.C. 3501), please note the following information. This study is authorized by the Migratory Bird Treaty Act (16 U.S.C. 703 et seq.). The information you provide will be used for estimating mourning dove relative abundance. It is our policy not to use your name for any other purpose. All names and identifying information will be removed when we compile the results, and only summary information will be reported. The information is maintained in accordance with the Privacy Act. Your response is voluntary. An 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. The information collection has been approved by OMB and assigned OMB Control No. 1018-0010. We estimate that it will take you about 3.5 hours to complete the survey, including time to read instructions, drive to and from the survey route, gather data at survey stops, and complete and review the survey form. For those reporting electronically, we estimate that it will take an additional 10 minutes. If you have comments on this form, please send them to the Information Collection Clearance Officer, U.S. Fish and Wildlife Service, MS 222-ARLSQ, 1849 C Street, N.W. Washington, D.C. 20240.