

1971 PRE-SEASON MOURNING DOVE BANDING

CLARENCE CANNON NATIONAL WILDLIFE REFUGE
ANNADA, MISSOURI

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SEPTEMBER 2, 1971

1971 PRE-SEASON MOURNING DOVE BANDING

BANDING PERIOD

June 8, 1971 through August 23, 1971.

DOVES BANDED

<u>MONTH</u>	<u>AHY MALE</u>	<u>AHY FEMALE</u>	<u>HYU</u>
June	11	9	5
July	32	25	41
August	<u>19</u>	<u>44</u>	<u>114</u>
TOTALS	62	78	160

Percentage - AHY - Male - 20.7%.
Percentage - AHY - Female - 26.%.
Percentage - Total Adults - 46.7%.
Percentage - HYU - 53.3%.

TRAPS

Twenty-three traps were used in this banding program. The types and number of traps were two - 2' X 2', twenty - 2' X 3' (12 without bottoms), and one "S" trap. All were of the walk-in type,

BAIT

White proso millet was used as bait in all traps. One-hundred pounds of millet was required for baiting the sites.

DOVE RETRAPS - 1971

<u>DATE OF RETRAP</u>	<u>BAND NUMBER</u>	<u>AGE AND SEX (AT RETRAP)</u>	<u>DATE OF BANDING</u>	<u>AGE AND SEX (AT BANDING)</u>
6/11/71	1183-40731	AHY-M	8/1/71	AHY-M
6/16/71	1093-45257	AHY-M	6/18/68	AHY-M
7/13/71	1193-69552	AHY-M	8/24/70	HY-U
7/15/71 & 7/20/71	1183-40661	AHY-M	8/13/70	HY-U
7/26/71 & 7/27/71 & 7/31/71	1183-40669	AHY-M	7/15/70	<u>HY-U</u>
7/27/71 & 7/31/71	1183-40547	AHY-F	6/20/70	HY-U
7/29/71	733-15456	AHY-M	7/29/66	AHY-M
7/31/71	733-15443	AHY-M	7/26/66	AHY-M
8/6/71	1183-40756	AHY-F	8/3/70	HY-U

COST

Three-hundred doves were banded at an average cost of \$1.49 per bird. Traps were in operation 61 days, for an average of 4.92 doves banded per day.

OTHER BIRDS AND MAMMALS TRAPPED

BIRDS

Bob-white Quail
Red-winged Blackbird
Brown-headed Cowbird
Horned Lark
Brown Thrasher
House Sparrow
Rusty Blackbird
Dickcissel
Loggerhead Shrike

MAMMALS

Striped Skunk
Cottontail Rabbit

LOCATION OF TRAPS

Traps were placed along the roads and edges of fields. A large area was dozed off north of the Bryant's Creek Levee and a large group of traps (10 to 12) were placed there.

CHECKING THE TRAPS

The traps were checked three times a day. They were checked between 8:00 am and 9:30 am, at midday and between 7:30 pm and 8:30 pm.

DISEASE

None reported. However, one dove was found dead in a trap and there was no sign of predator found. The dove was probably injured in the trap.

PREDATION

From six to ten doves were lost due to predation. This problem occurred at two different sites. A striped skunk was eventually caught in the traps at one site and was thought to be the cause of the trouble. Checking the traps later in the evening ended this problem.

REPEATS

A population turnover occurred during the banding season. Repeat and re-trapped birds accounted for 15 per cent of the total number of birds trapped. Repeats made up 12 per cent and over fifty per cent of these were re-trapped within four days of the initial trapping.

EFFECTS OF WEATHER

In general, dove banding success increased for one or two days after a rainfall. This is indicated by the line graph included in this report. No comparisons were made using daily temperatures.

POPULATION

Dove population peaked during mid-August, from about the 13th to the 25th. During this period we had an estimated 115 to 165 birds present.

DATA

The following data was used in this report.

SUMMARY OF DAILY MOURNING DOVES BANDED
CLARENCE CANNON NATIONAL WILDLIFE REFUGE

<u>DATE</u>	<u>DOVES BANDED</u>	<u>DOVES REPEATED</u>	<u>DATE</u>	<u>DOVES BANDED</u>	<u>DOVES REPEATED</u>
6/8	1	0	7/16	1	0
6/9	0	0	7/17	3	0
6/10	4	0	7/18	9	0
6/11	1	1	7/19	1	1
6/12	Traps Open		7/20	5	2
6/13	Traps Open		7/21	2	1
6/14	4	0	7/22	2	0
6/15	0	0	7/23	3	0
6/16	4	1	7/24	1	0
6/17	5	2	7/25	1	0
6/18	2	1	7/26	8	1
6/19	Traps Open		7/27	4	1
6/20	Traps Open		7/28	3	2
6/21	3	2	7/29	1	1
6/22	0	0	7/30	2	2
6/23	Opened Traps		7/31	14	3
6/24	"	"	8/1	3	1
6/25	"	"	8/2	5	1
6/26	"	"	8/3	0	0
6/27	"	"	8/4	8	0
6/28	"	"	8/5	3	0
6/29	Put Traps Back Out		8/6	13	3
6/30	1	0	8/7	5	0
7/1	3	0	8/8	2	0
7/2	2	0	8/9	Traps Open	
7/3	Traps Open		8/10	0	1
7/4	Traps Open		8/11	9	0
7/5	Traps Open		8/12	15	2
7/6	8	0	8/13	18	0
7/7	14	0	8/14	2	0
7/8	1	0	8/15	2	2
7/9	3	0	8/16	10	1
7/10	2	1	8/17	15	3
7/11	1	0	8/18	10	2
7/12	6	0	8/19	23	2
7/13	0	1	8/20	3	2
7/14	1	0	8/21	14	3
7/15	2	1	8/22	8	3
			8/23	4	5

TOTALS - Doves banded - 300 and Repeats - 55.

MOURNING DOVE REPEATS
CLARENCE CANNON NATIONAL WILDLIFE REFUGE
JUNE - AUGUST, 1971

REPEAT DATA

<u>DATE</u>	<u>BAND NUMBER</u>	<u>AGE AND SEX</u>	<u>BANDED DATE</u>
6/17	1193 - 99510	AHY M	6/16
6/17	1193-99512	HY U	6/17
6/18	1193 - 99508	AHY F	6/16
6/21	1193 - 99509	AHY M	6/16
6/21	1193 - 99517	AHY M	6/18
7/10	1193 - 99522	HY U	7/10
7/19	1193 - 99569	AHY M	7/18
7/20	1193 - 99564	AHY M	7/16
7/21	1193 - 99561	AHY M	7/14
7/28	1193 - 99594	AHY M	7/28
7/30	1193 - 99610	AHY M	7/29
7/30	1193 - 99596	AHY M	7/26
8/1	1193 - 99594	AHY M	7/28
8/2	1193 - 99610	AHY M	7/29
8/6	1193 - 99624	AHY M	8/1
8/7	1193 - 99624	AHY M	8/1
8/10	1193 - 99655	HY U	8/7
8/12	1193 - 99636	AHY F	8/5
8/12	1193 - 99666	HY U	8/11
8/15	1193 - 99667	AHY M	8/12
8/15	1193 - 99663	AHY F	8/11
8/16	1193 - 99683	HY U	8/13
8/17	1183 - 40917	HY U	8/16
8/17	1193 - 99688	HY U	8/13
8/17	1193 - 99677	AHY F	8/12
8/18	1183 - 40915	HY U	8/16
8/18	1183 - 40914	HY U	8/16
8/19	1183 - 40917	HY U	8/16
8/19	1183 - 40936	HY U	8/17
8/20	1183 - 40941	HY U	8/18
8/20	1183 - 40962	H Y U	8/19
8/21	1183 - 40968	HY U	8/19=
8/21	1183 - 40919	HY U	8/16
8/21	1183 - 40914	HY U	8/16
8/22	1183 - 40972	HY U	8/20
8/22	1193 - 99661	AHY F	8/11
8/22	1183 - 40968	HY U	8/19
8/23	1183 - 40922	HY U	8/16
8/23	1193 - 99623	AHY M	7/31
8/23	1183 - 40983	HY U	8/21
8/23	1193 - 99677	HY U	8/12
8/23	1183 - 40914	HY U	8/16

WEEKLY COMPARISON OF DOVE POPULATION TO DOVES BANDED

200

175

150

125

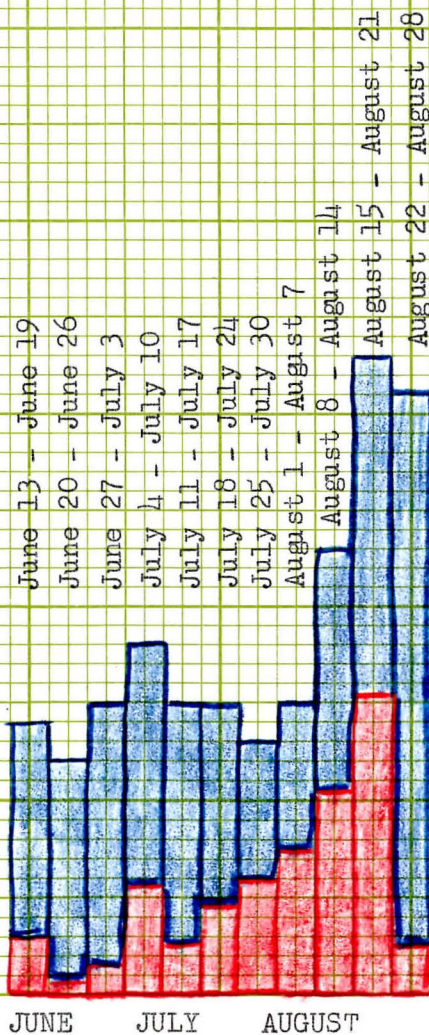
100

75

50

25

0



POPULATION ESTIMATE

DOVES BANDED