

STATE OF MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES  
GAME DIVISION  
LANSING, MICHIGAN 48926

Report No. 2661  
June 18, 1970

1970 Late Winter Pheasant Survey  
*by*  
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Pheasant observations were recorded by Game and Law Enforcement personnel during February and March, 1970. Snow cover was slight again this winter (as a year ago) making observations--especially of hens--difficult. Total statewide observations for the two months were above sightings of the past two years (Table 5), but the only sizable increase occurred in the Ottawa-Allegan area where 4.0 pheasants were seen per 100 miles of travel compared to 1.6 pheasants per 100 miles in 1969.

Sex ratios of 2.2 hens per cock this winter compared to 2.8 in 1969 with a wide range of 1.1 hens per cock in the southwest counties and 6.2 in the Ottawa-Allegan area.

The attached tables, 1 through 5, summarize findings for this year's survey and provide comparisons with the previous two years.

Table 1

Late Winter Pheasant Survey  
February, 1970

<u>County</u>	<u>Miles Driven</u>	<u>Cocks Seen</u>	<u>Hens Seen</u>	<u>Total</u>
Allegan	3,011	35	15	50
Barry	225	0	0	0
Bay	1,194	8	3	11
Berrien	70	7	10	17
Branch	1,060	4	8	12
Calhoun	2,290	2	0	2
Cass	1,382	3	0	3
Clinton	1,872	6	11	17
Eaton	1,500	3	0	3
Genesee	2,080	2	1	3
Gratiot	2,250	3	11	14
Hillsdale	1,158	4	15	19
Huron	2,500	0	2	2
Ingham	2,016	18	39	57
Ionia	2,577	0	0	0
Jackson	2,450	28	7	35
Kalamazoo	1,565	0	0	0
Kent	7,125	2	4	6
Lapeer	2,250	12	10	22
Lenawee	1,410	12	6	18
Livingston	3,413	23	41	64
Macomb	800	4	2	6
Monroe	2,786	12	40	52
Montcalm	3,764	0	0	0
Muskegon	3,047	1	2	3
Oakland	1,362	8	11	19
Ottawa	3,549	38	477	515
St. Clair	3,997	12	31	43
St. Joseph	218	0	0	0
Saginaw	2,948	1	2	3
Sanilac	1,910	0	12	12
Shiawassee	2,813	42	48	90
Tuscola	3,200	2	37	39
Van Buren	95	0	0	0
Washtenaw	2,905	29	46	75
Wayne	66	3	6	9
Main Range (Total)	76,858	324	897	1,221
Arenac	1,122	0	0	0
Clare	3,262	2	0	2
Gladwin	2,231	3	3	6
Isabella	1,700	3	0	3
Mecosta	2,895	1	0	1
Midland	2,552	0	0	0
Newaygo	1,750	2	5	7
Osceola	1,270	3	6	9
Marginal Range (Total)	16,782	14	14	28

Table 2

Late Winter Pheasant Survey  
March, 1970

<u>County</u>	<u>Miles Driven</u>	<u>Cocks Seen</u>	<u>Hens Seen</u>	<u>Total</u>
Allegan	3,776	59	94	153
Barry	1,931	3	1	4
Bay	1,325	2	22	24
Berrien	2,665	9	18	27
Branch	1,075	13	2	15
Calhoun	1,131	5	3	8
Cass	3,361	1	0	1
Clinton	2,278	3	4	7
Eaton	1,122	2	1	3
Genesee	3,370	43	87	130
Gratiot	2,075	4	6	10
Hillsdale	1,483	16	33	49
Huron	2,600	2	0	2
Ingham	1,135	7	6	13
Ionia	3,993	9	3	12
Jackson	2,630	11	4	15
Kalamazoo	2,834	1	10	11
Kent	6,964	3	1	4
Lapeer	1,350	9	6	15
Lenawee	2,015	13	7	20
Livingston	1,275	36	31	67
Macomb	50	1	1	2
Monroe	490	13	12	25
Montcalm	5,580	2	1	3
Muskegon	4,181	0	0	0
Oakland	600	5	0	5
Ottawa	4,344	9	148	157
St. Clair	250	1	1	2
St. Joseph	1,761	3	5	8
Saginaw	3,350	1	1	2
Sanilac	2,662	1	0	1
Shiawassee	2,221	31	42	73
Tuscola	2,455	3	6	9
Van Buren	2,441	8	5	13
Washtenaw	3,540	15	12	27
Wayne	30	2	1	3
Main Range (Total)	84,343	346	574	920
Arenac	1,542	0	2	2
Clare	3,050	4	4	8
Gladwin	3,687	0	0	0
Isabella	2,624	1	2	3
Mecosta	3,024	2	0	2
Midland	2,700	1	0	1
Newaygo	1,700	1	1	2
Osceola	2,041	5	3	8
Marginal Range (Total)	20,368	14	12	26

Table 3

Late Winter Pheasant Survey  
by Areas  
February, 1970

County	Miles Driven	Cocks Seen	Hens Seen	Total	Hens per cock			Birds per 100 miles		
					1968	1969	1970	1968	1969	1970
Bay	1,194	8	3	11						
Huron	2,500	0	2	2						
St. Clair	3,997	12	31	43						
Saginaw	2,948	1	2	3						
Sanilac	1,910	0	12	12						
Tuscola	<u>3,200</u>	<u>2</u>	<u>37</u>	<u>39</u>						
Thumb	15,749	23	87	110	2.7	2.1	3.8	1.6	1.2	0.7
Lenawee	1,410	12	6	18						
Macomb	800	4	2	6						
Monroe	2,786	12	40	52						
Washtenaw	2,905	29	46	75						
Wayne	<u>66</u>	<u>3</u>	<u>6</u>	<u>9</u>						
Southeast	7,967	60	100	160	2.0	1.4	1.7	1.2	1.1	2.0
Clinton	1,872	6	11	17						
Eaton	1,500	3	0	3						
Gratiot	2,250	3	11	14						
Ingham	2,016	18	39	57						
Ionia	2,577	0	0	0						
Shiawassee	<u>2,813</u>	<u>42</u>	<u>48</u>	<u>90</u>						
Central	13,028	72	109	181	1.8	2.7	1.5	0.3	0.6	1.4
Barry	225	0	0	0						
Berrien	70	7	10	17						
Branch	1,060	4	8	12						
Calhoun	2,290	2	0	2						
Cass	1,382	3	0	3						
Kalamazoo	1,565	0	0	0						
St. Joseph	218	0	0	0						
Van Buren	<u>95</u>	<u>0</u>	<u>0</u>	<u>0</u>						
Southwest	6,905	16	18	34	2.3	1.6	1.1	0.2	0.2	0.4
Allegan	3,011	35	15	50						
Muskegon	3,047	1	2	3						
Ottawa	<u>3,549</u>	<u>38</u>	<u>477</u>	<u>515</u>						
Western	9,607	74	494	568	13.5	2.1	6.7	4.8	0.4	5.9
Main Range	76,858	324	897	1,221	4.5	2.4	2.8	1.2	0.9	1.6
Marginal Range (8 counties)	16,782	14	14	28	1.0	1.9	1.0	0.1	0.5	0.2



Table 4

Late Winter Pheasant Survey  
by Areas  
March, 1970

County	Miles Driven	Cocks Seen	Hens Seen	Total	Hens per cock			Birds per 100 miles		
					1968	1969	1970	1968	1969	1970
Bay	1,325	2	22	24						
Huron	2,600	2	0	2						
St. Clair	250	1	1	2						
Saginaw	3,350	1	1	2						
Sanilac	2,662	1	0	1						
Tuscola	<u>2,455</u>	<u>3</u>	<u>6</u>	<u>9</u>						
Thumb	12,642	10	30	40	1.8	4.9	3.0	2.0	1.5	0.3
Lenawee	2,015	13	7	20						
Macomb	50	1	1	2						
Monroe	490	13	12	25						
Washtenaw	3,540	15	12	27						
Wayne	<u>30</u>	<u>2</u>	<u>1</u>	<u>3</u>						
Southeast	6,125	44	33	77	1.9	1.6	0.8	1.5	0.9	1.2
Clinton	2,278	3	4	7						
Eaton	1,122	2	1	3						
Gratiot	2,075	4	6	10						
Ingham	1,135	7	6	13						
Ionia	3,993	9	3	12						
Shiawassee	<u>2,221</u>	<u>31</u>	<u>42</u>	<u>73</u>						
Central	12,824	56	62	118	1.9	1.5	1.1	0.6	0.5	0.9
Barry	1,931	3	1	4						
Berrien	2,665	9	18	27						
Branch	1,075	13	2	15						
Calhoun	1,131	5	3	8						
Cass	3,361	1	0	1						
Kalamazoo	2,834	1	10	11						
St. Joseph	1,761	3	5	8						
Van Buren	<u>2,441</u>	<u>8</u>	<u>5</u>	<u>13</u>						
Southwest	17,199	43	44	87	0.5	0.6	1.0	0.1	0.3	0.5
Allegan	3,776	59	94	153						
Muskegon	4,181	0	0	0						
Ottawa	<u>4,344</u>	<u>9</u>	<u>148</u>	<u>157</u>						
Western	12,301	68	242	310	2.7	8.3	4.6	0.7	2.4	2.5
Main Range	84,343	346	574	920	1.5	3.2	1.7	0.7	1.0	1.1
Marginal Range (8 counties)	20,368	14	12	26	1.8	1.4	0.9	0.2	0.2	0.1

Table 5

Late Winter Pheasant Survey  
by Areas  
February-March, 1970

County	Miles Driven	Cocks Seen	Hens Seen	Total	Hens per cock			Birds per 100 miles		
					1968	1969	1970	1968	1969	1970
Bay	2,519	10	25	35						
Huron	5,100	2	2	4						
St. Clair	4,247	13	32	45						
Saginaw	6,298	2	3	5						
Sanilac	4,572	1	12	13						
Tuscola	<u>5,655</u>	<u>5</u>	<u>43</u>	<u>48</u>						
Thumb	28,391	33	117	150	2.1	3.4	3.5	1.8	1.4	0.5
Lenawee	3,425	25	13	38						
Macomb	850	5	3	8						
Monroe	3,276	25	52	77						
Washtenaw	6,445	44	58	102						
Wayne	<u>96</u>	<u>5</u>	<u>7</u>	<u>12</u>						
Southeast	14,092	104	133	237	2.0	2.2	1.3	1.3	1.0	1.7
Clinton	4,150	9	15	24						
Eaton	2,622	5	1	6						
Gratiot	4,325	7	17	24						
Ingham	3,151	25	45	70						
Ionia	6,570	9	3	12						
Shiawassee	<u>5,034</u>	<u>73</u>	<u>90</u>	<u>163</u>						
Central	25,852	128	171	299	1.0	2.1	1.3	0.5	0.6	1.2
Barry	2,156	3	1	4						
Berrien	2,735	16	28	44						
Branch	2,135	17	10	27						
Calhoun	3,421	7	3	10						
Cass	4,743	4	0	4						
Kalamazoo	4,399	1	10	11						
St. Joseph	1,979	3	5	8						
Van Buren	<u>2,536</u>	<u>8</u>	<u>5</u>	<u>13</u>						
Southwest	24,104	59	62	121	1.4	0.8	1.1	0.2	0.3	0.5
Allegan	6,787	94	109	203						
Muskegon	7,228	1	2	3						
Ottawa	<u>7,893</u>	<u>47</u>	<u>625</u>	<u>672</u>						
Western	21,908	142	736	878	10.2	6.8	6.2	3.0	1.6	4.0
Main Range	161,201	670	1,471	2,141	2.7	2.8	2.2	0.8	0.9	1.3
Marginal Range (8 counties)	37,150	28	26	54	0.9	1.7	0.9	0.1	0.3	0.1