

**2018**



# DEER HARVEST COUNTY SUMMARIES

Version 6-26-2019



**Indiana Department of Natural Resources**  
**Division of Fish & Wildlife**

# Adams County

6/26/2019

Total Square Miles: 340  
 Square Miles of Deer Habitat: 33  
 Percent Deer Habitat: 10

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	551		318		9.64	233		7.06	42.29		83		1
2006	552		293		8.88	259		7.85	46.92		86		2
2007	643		333		10.09	310		9.39	48.21		87		2
2008	452		226		6.85	226		6.85	50.00		63		2
2009	431		253		7.67	178		5.39	41.30		87		2
2010	372	-1.79	189	-2.14	5.73	183	-1.20	5.55	49.19		97	1.53	2
2011	488	-0.02	256	-0.05	7.76	232	0.01	7.03	47.54		83	-0.08	2
2012	409	-0.67	204	-0.89	6.18	205	-0.39	6.21	50.12		73	-0.83	2
2013	466	0.81	251	0.86	7.61	215	0.42	6.52	46.14		78	-0.20	2
2014	495	1.35	256	0.80	7.76	239	1.62	7.24	48.28		89	0.59	2
2015	549	1.93	294	1.95	8.91	255	1.80	7.73	46.45		102	1.92	2
2016	554	1.43	283	0.96	8.58	271	2.12	8.21	48.92	0	81	-0.36	2
2017	519	0.40	267	0.27	8.09	252	0.55	7.64	48.55	0	107	2.23	2
2018	519	0.06	296	1.43	8.97	223	-1.12	6.76	42.97	0	116	2.25	1

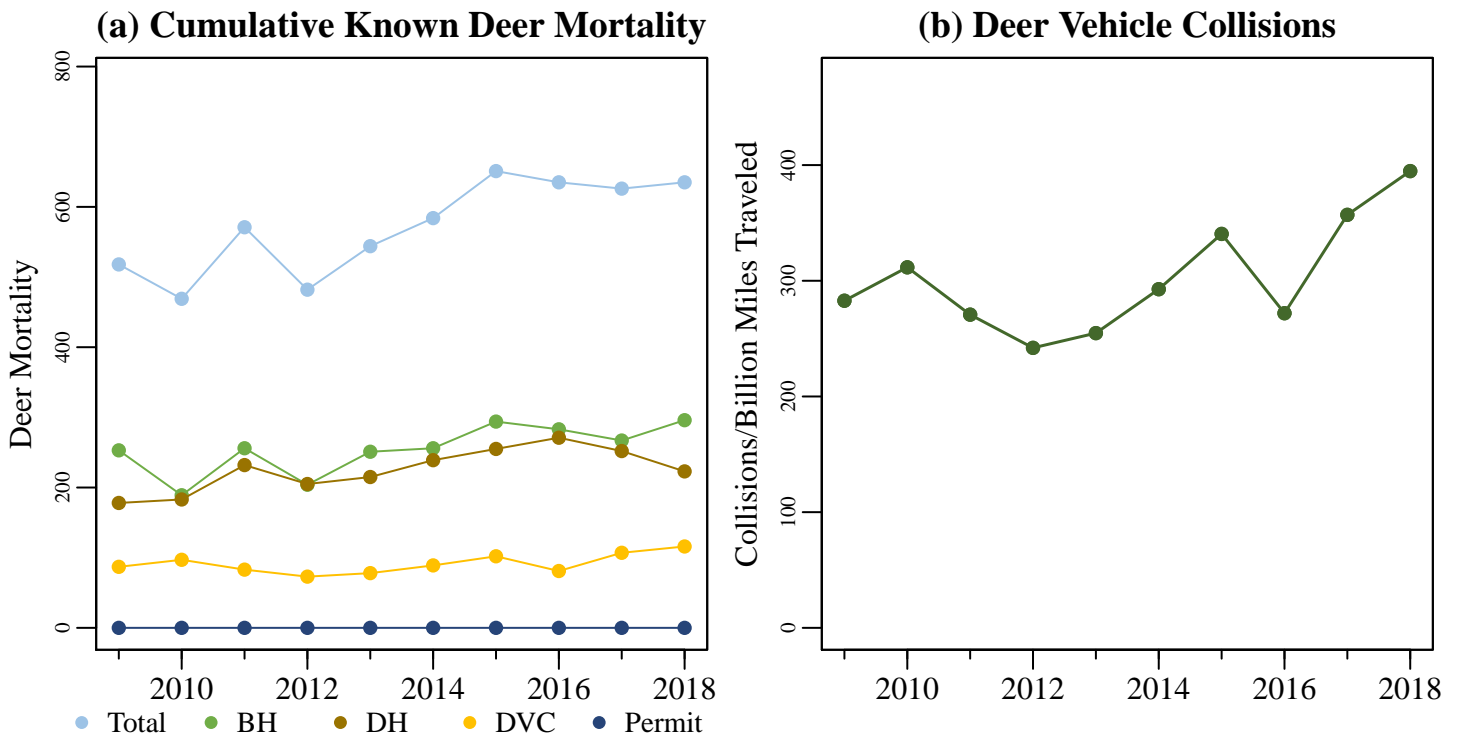


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Adams County

6/26/2019

Total Square Miles: 340  
 Square Miles of Deer Habitat: 33  
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Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	467	243	224	0	0	188	238	37	3	1	0	0	0	0	0	0
2016	471	256	213	2	0	181	246	41	3	0	0	0	0	0	0	0
2017	439	231	207	1	0	166	237	35	1	0	0	0	0	0	0	0
2018	461	240	221	0	0	182	262	15	2	0	0	0	0	0	0	0

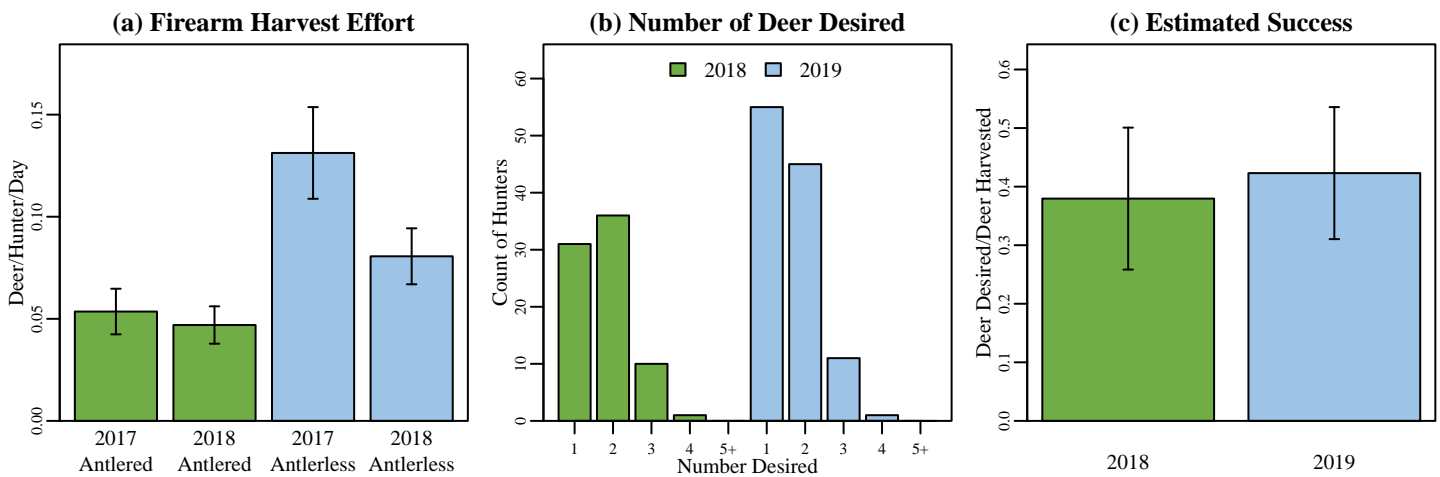
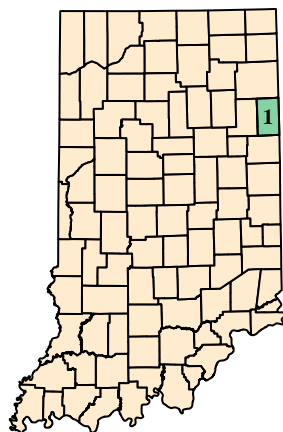


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Adams County Map



## (b) Deer Habitat in Adams County

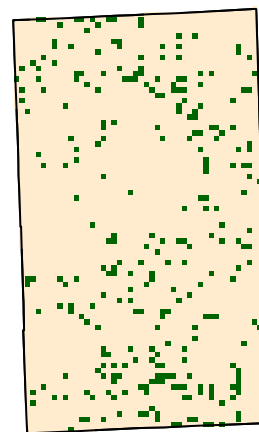


Figure 3. (a) Adams County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Adams County.

# Adams County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

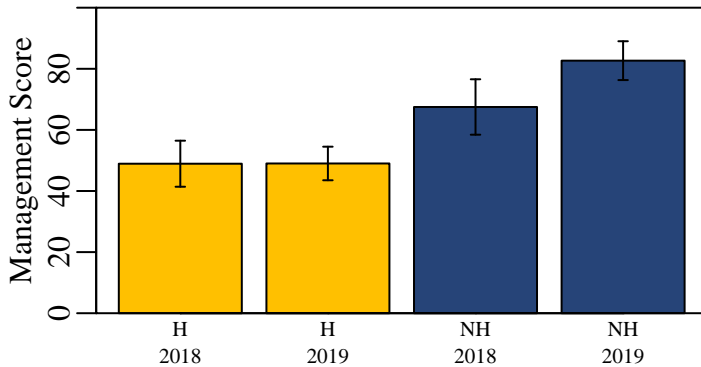


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

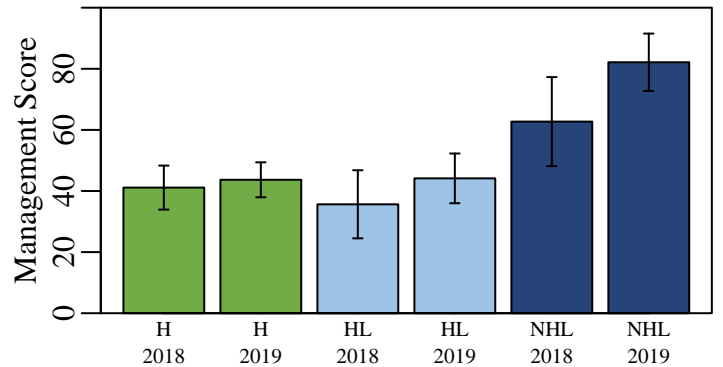


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

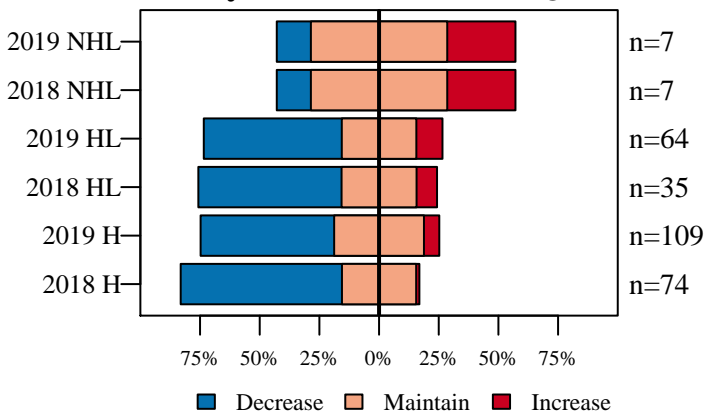


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

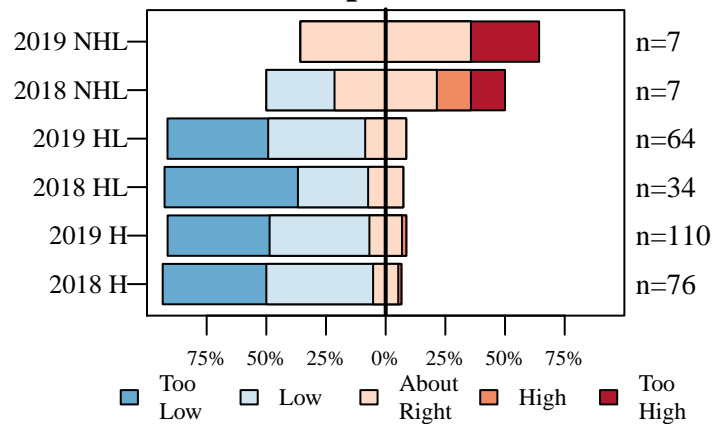


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

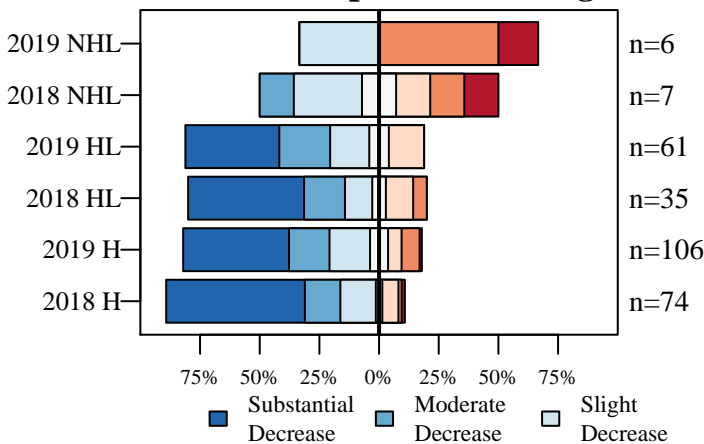


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

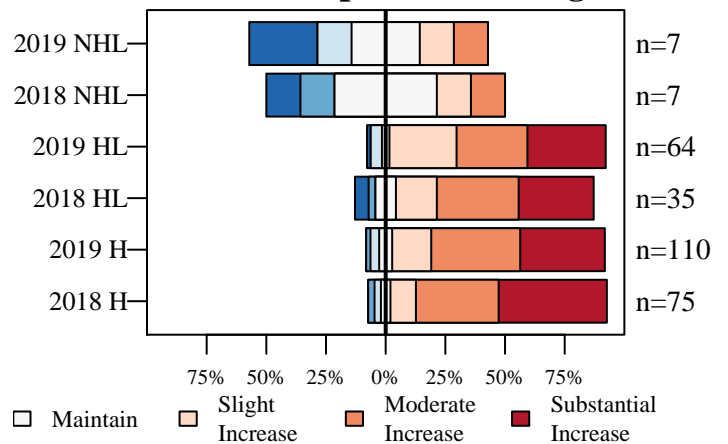


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Adams County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

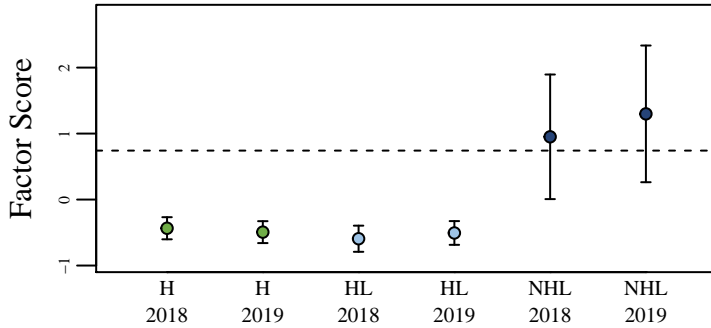


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

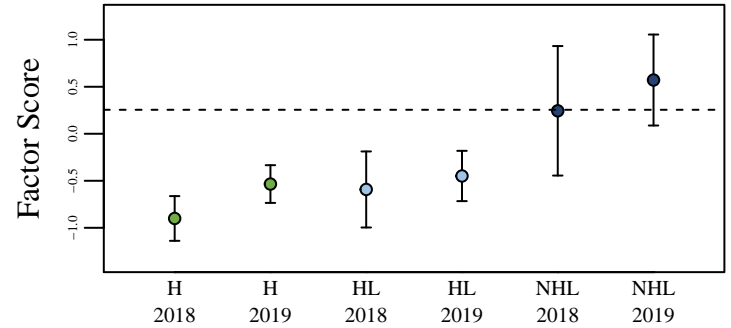


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

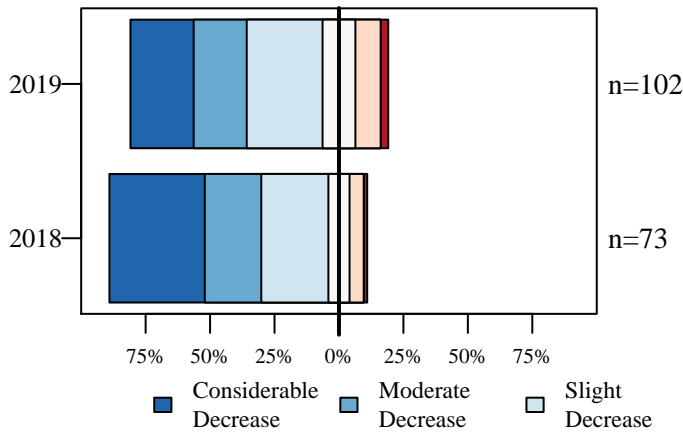


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

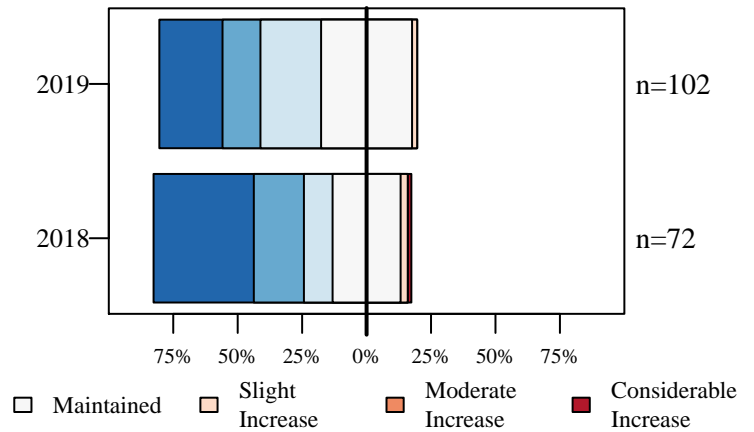


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

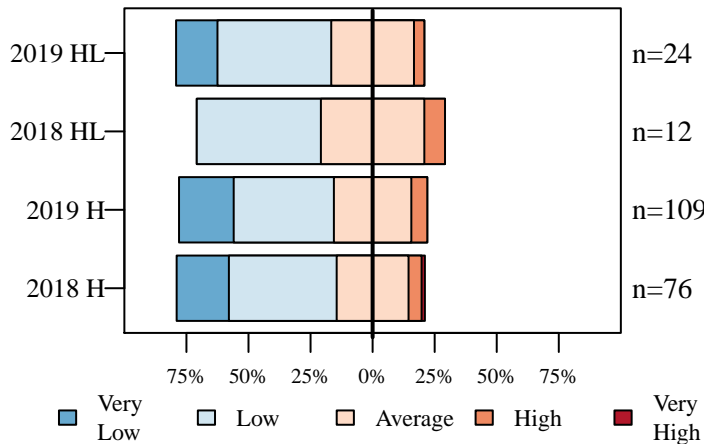


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

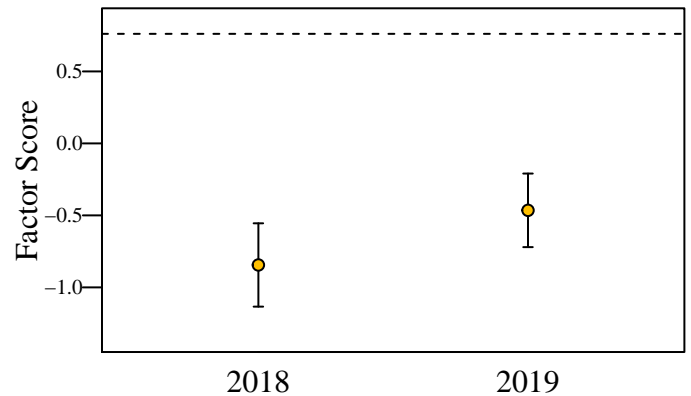


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Allen County

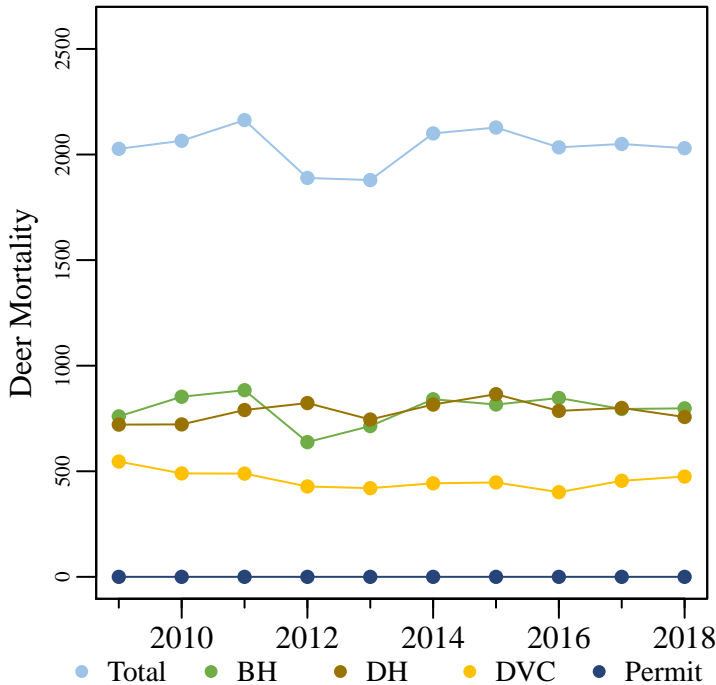
6/26/2019

Total Square Miles: 660  
 Square Miles of Deer Habitat: 86  
 Percent Deer Habitat: 13

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,468		867		10.08	601		6.99	40.94		426		2
2006	1,562		807		9.38	755		8.78	48.34		450		3
2007	1,844		990		11.51	854		9.93	46.31		517		3
2008	1,357		673		7.83	684		7.95	50.41		531		4
2009	1,481		760		8.84	721		8.38	48.68		546		4
2010	1,575	0.18	853	0.28	9.92	722	-0.01	8.40	45.84		490	-0.08	8
2011	1,674	0.62	884	0.57	10.28	790	0.66	9.19	47.19		489	-0.47	8
2012	1,461	-0.67	638	-1.60	7.42	823	1.02	9.57	56.33		428	-3.45	8
2013	1,459	-0.42	714	-0.44	8.30	745	-0.05	8.66	51.06		420	-1.67	4
2014	1,657	1.36	841	0.71	9.78	816	1.24	9.49	49.25		443	-0.61	4
2015	1,681	1.12	816	0.29	9.49	865	1.94	10.06	51.46		447	-0.21	4
2016	1,633	0.40	847	0.68	9.85	786	-0.49	9.14	48.13	0	401	-1.66	4
2017	1,595	0.15	795	0.26	9.24	800	-0.16	9.30	50.16	0	455	0.57	3
2018	1,555	-0.57	798	-0.09	9.28	757	-1.04	8.80	48.68	0	475	1.23	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

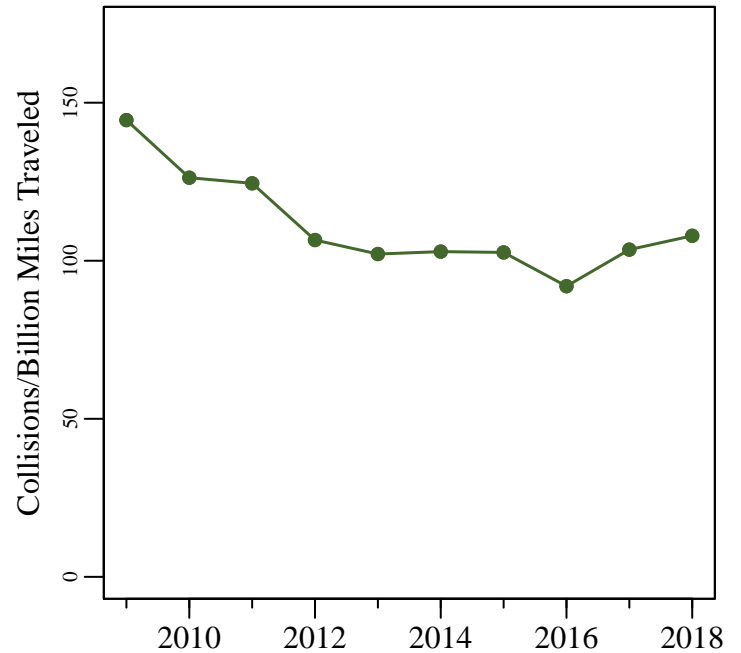


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# Allen County

6/26/2019

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Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,276	663	602	11	0	439	682	114	32	4	0	2	2	0	1	0
2016	1,244	586	650	7	1	476	622	115	21	6	1	0	2	1	0	0
2017	1,190	573	596	21	0	434	594	135	18	6	3	0	0	0	0	0
2018	1,191	574	602	15	0	422	647	101	14	3	4	0	0	0	0	0

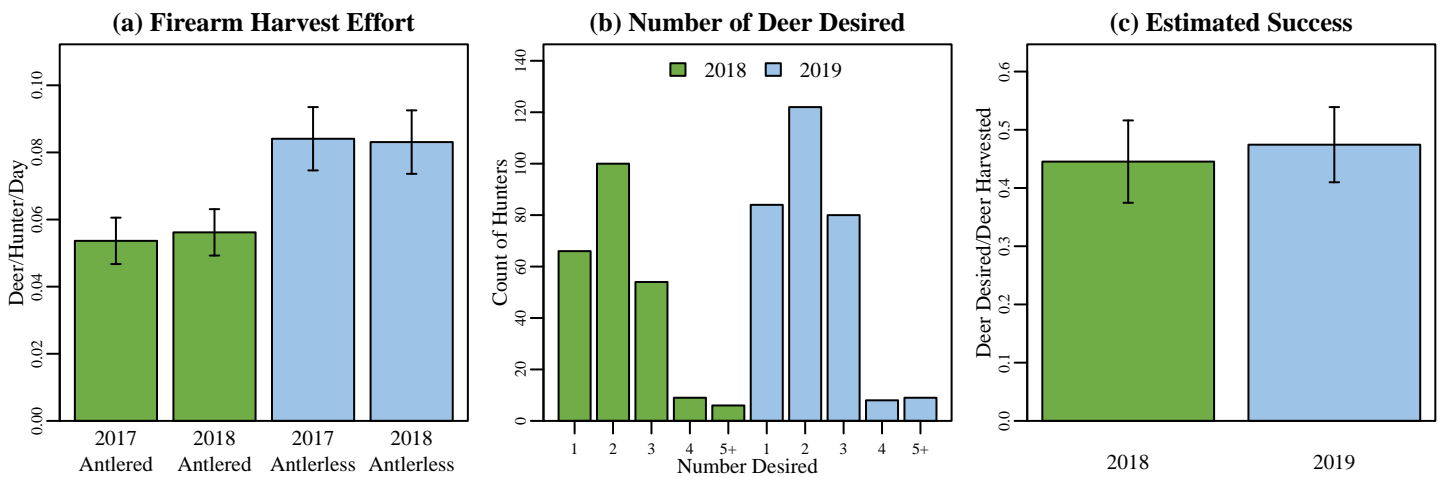
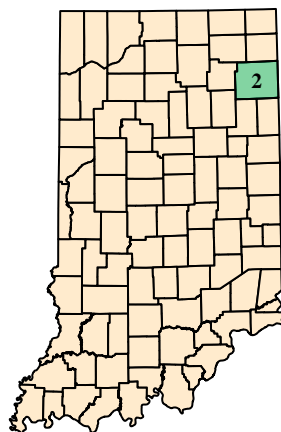


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Allen County Map



## (b) Deer Habitat in Allen County

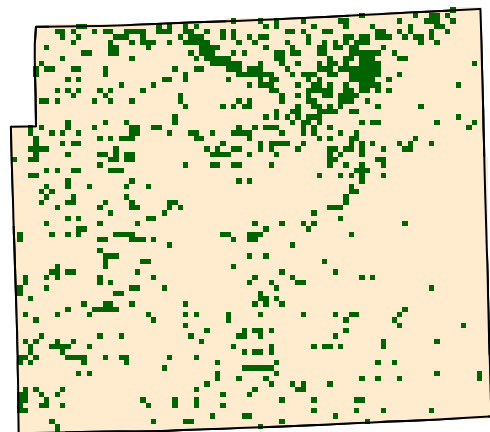


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# Allen County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

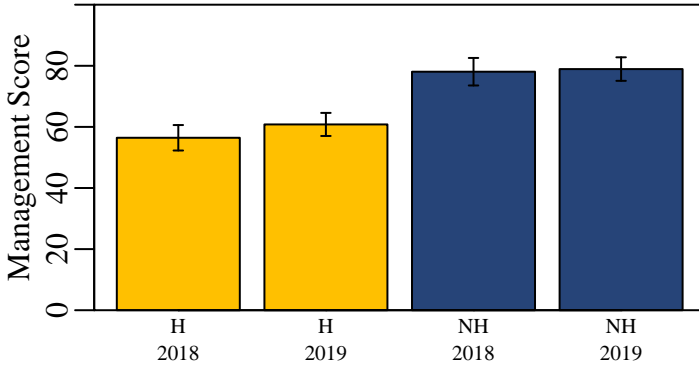


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### DNR Management Satisfaction: County

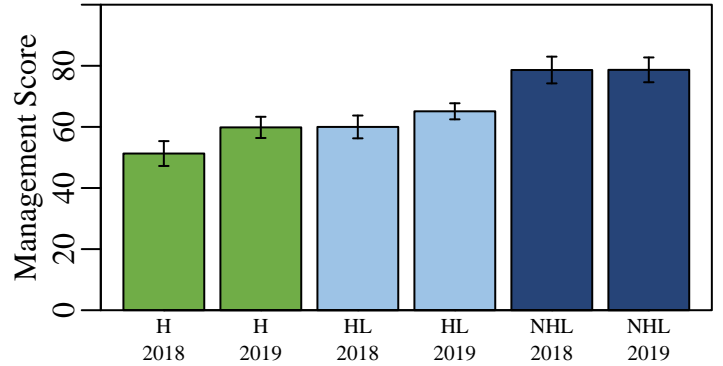


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### County Bonus Antlerless Quota

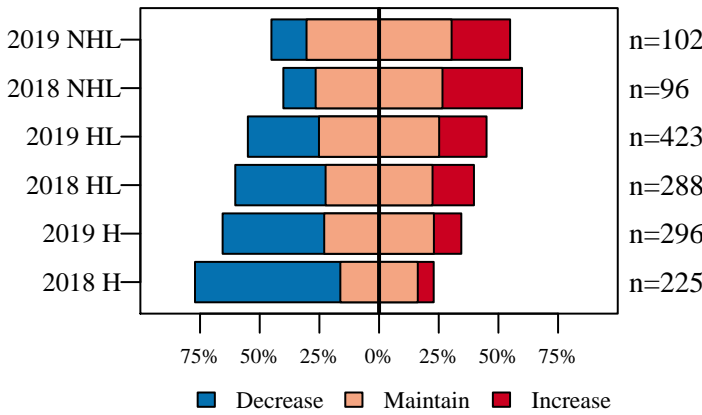


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

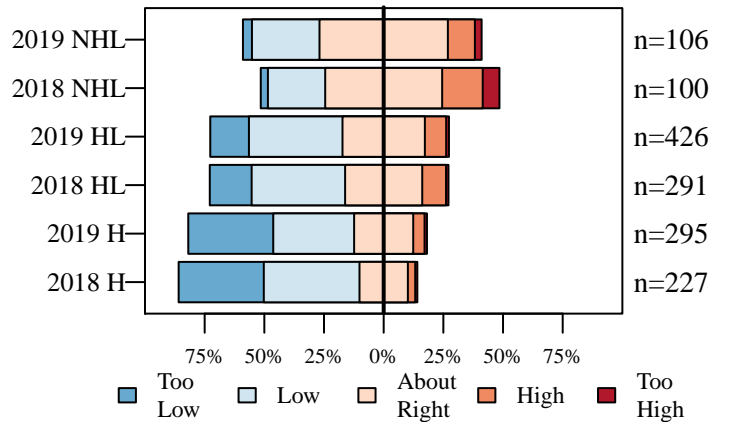


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

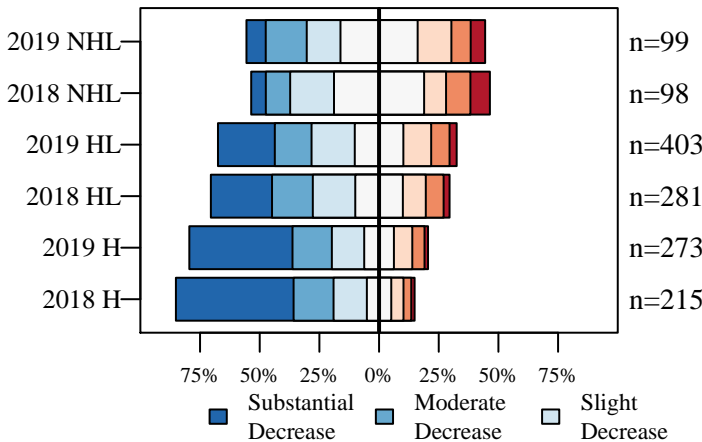


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### Desired Population Change

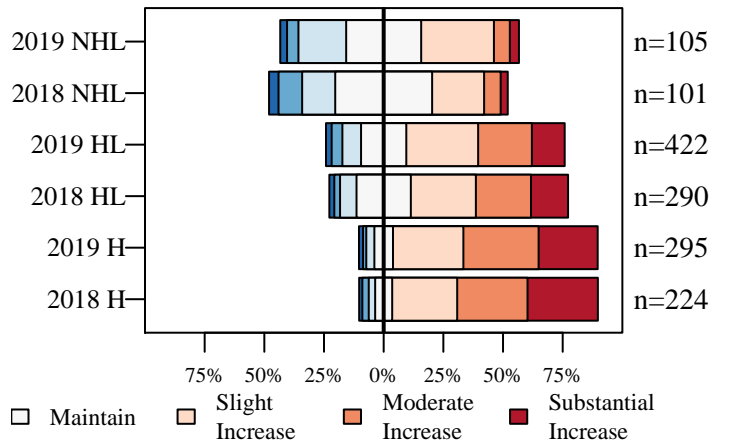


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Allen County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

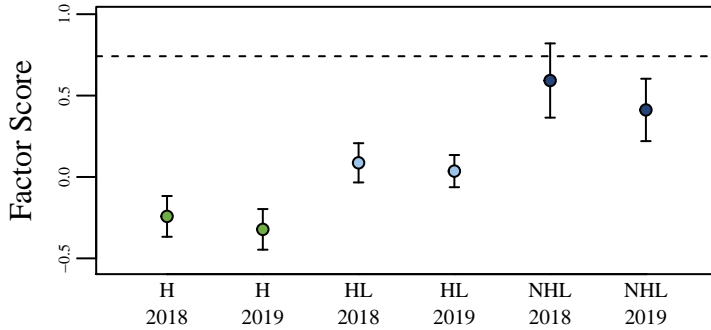


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### Management Opinion

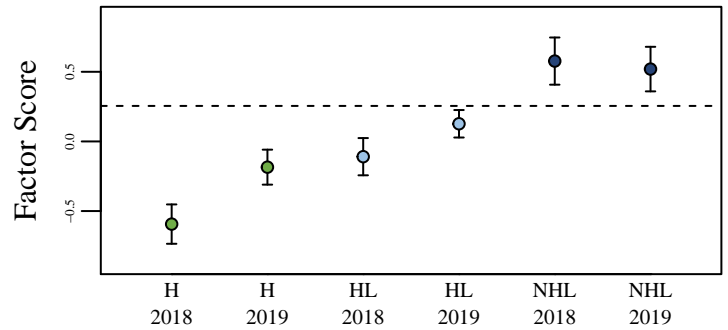


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### Total Harvest Change

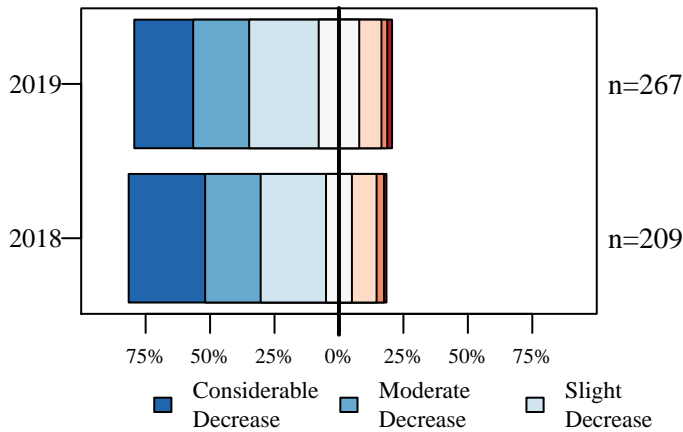


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

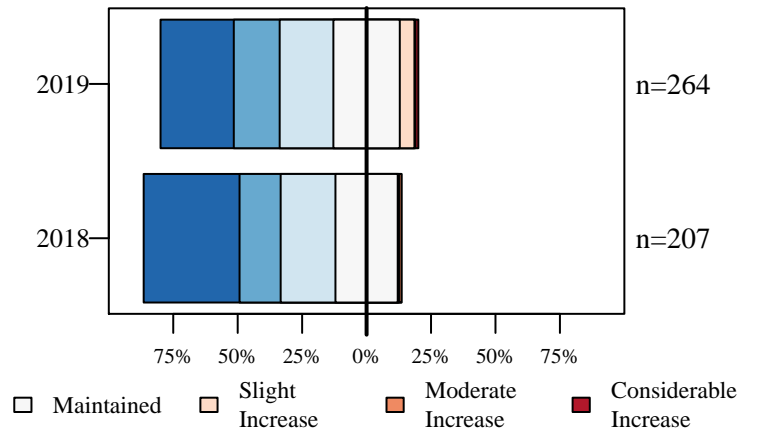


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### Buck Quality

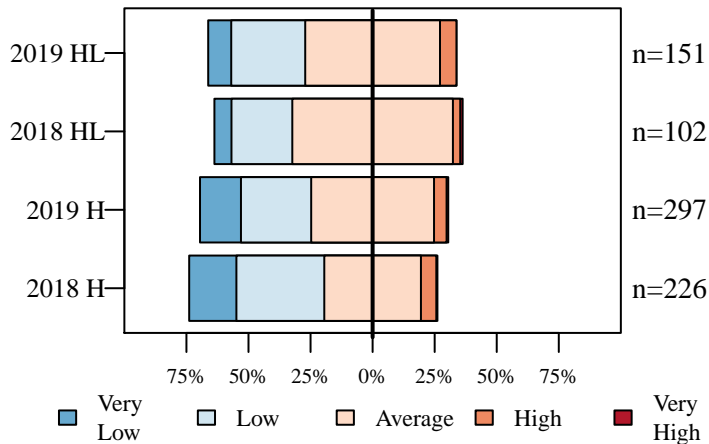


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

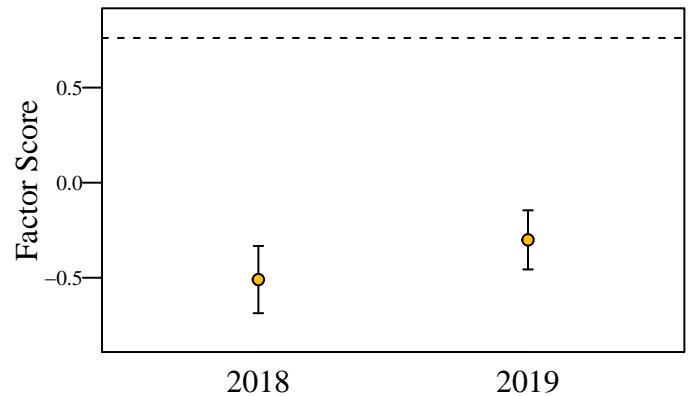


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Bartholomew County

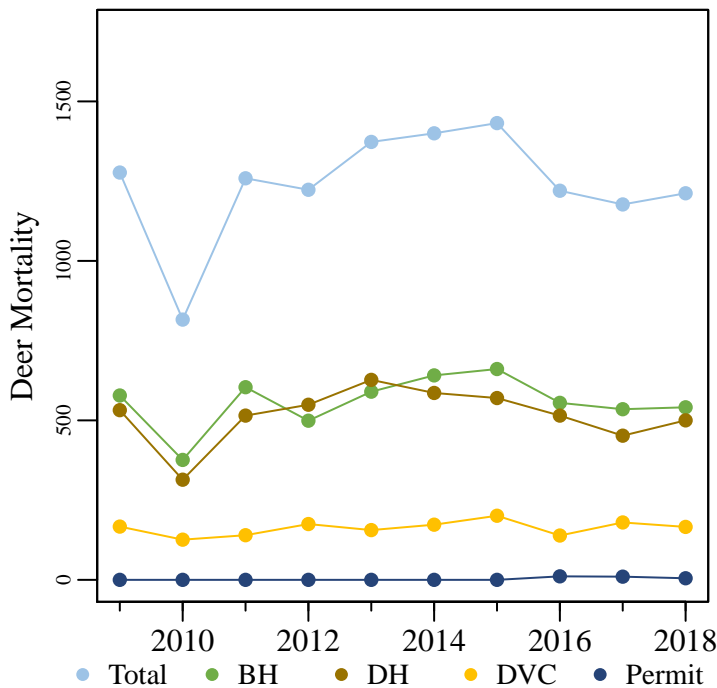
6/26/2019

Total Square Miles: 409  
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 Percent Deer Habitat: 36

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

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2005	1,071		597		4.06	474		3.22	44.26		151		2
2006	1,183		641		4.36	542		3.69	45.82		157		3
2007	1,348		747		5.08	601		4.09	44.58		164		3
2008	1,058		546		3.71	512		3.48	48.39		192		4
2009	1,110		578		3.93	532		3.62	47.93		167		4
2010	690	-3.90	376	-3.15	2.56	314	-4.70	2.14	45.51		126	-2.56	4
2011	1,119	0.17	604	0.19	4.11	515	0.14	3.50	46.02		140	-0.89	4
2012	1,048	-0.07	499	-0.54	3.39	549	0.51	3.73	52.39		175	0.67	4
2013	1,217	1.19	590	0.77	4.01	627	1.48	4.27	51.52		156	-0.15	4
2014	1,227	0.94	641	1.18	4.36	586	0.68	3.99	47.76		173	1.01	8
2015	1,231	0.78	661	1.12	4.50	570	0.43	3.88	46.30		201	2.22	8
2016	1,070	-1.21	555	-0.70	3.78	515	-1.30	3.50	48.13	11	139	-1.31	8
2017	987	-1.88	535	-0.83	3.64	452	-2.81	3.07	45.80	10	180	0.67	4
2018	1,041	-0.94	541	-1.02	3.68	500	-0.74	3.40	48.03	5	166	-0.01	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

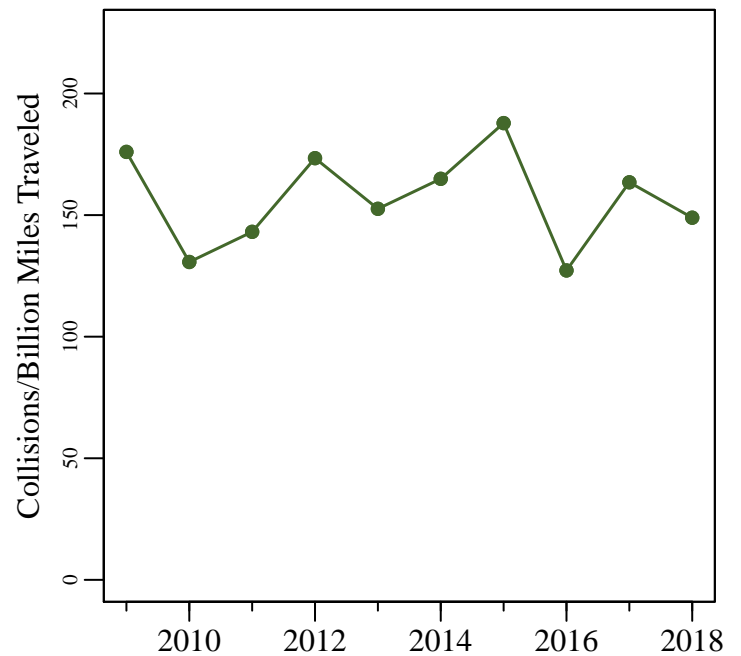


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# Bartholomew County

6/26/2019

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 Percent Deer Habitat: 36

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	949	473	470	5	1	364	479	72	22	4	5	3	0	0	0	0
2016	804	386	416	2	0	315	378	77	22	10	1	0	1	0	0	0
2017	793	379	412	2	0	321	388	72	9	3	0	0	0	0	0	0
2018	812	411	399	2	0	307	389	102	11	3	0	0	0	0	0	0

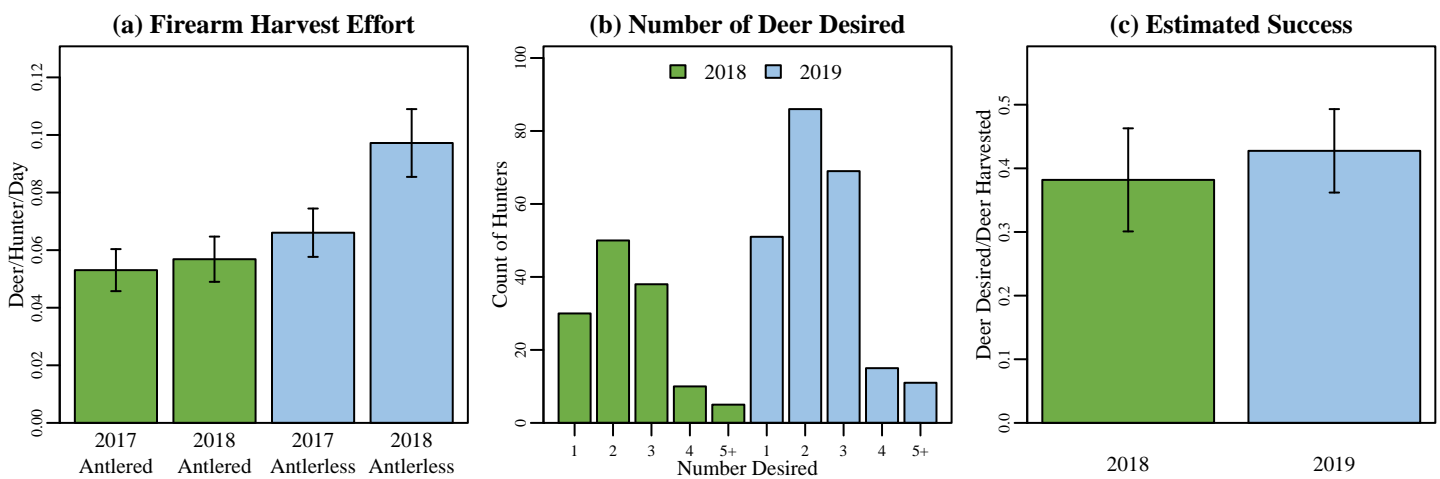
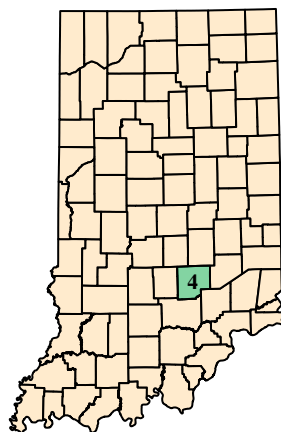


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Bartholomew County Map



## (b) Deer Habitat in Bartholomew County

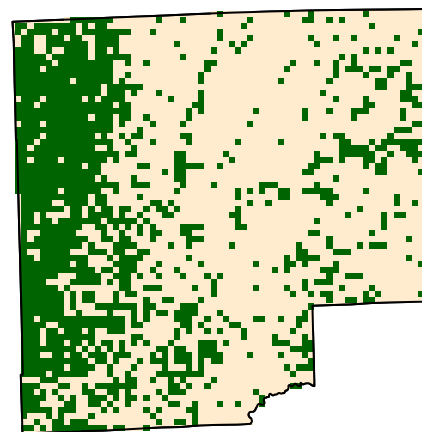


Figure 3. (a) Bartholomew County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Bartholomew County.

# Bartholomew County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

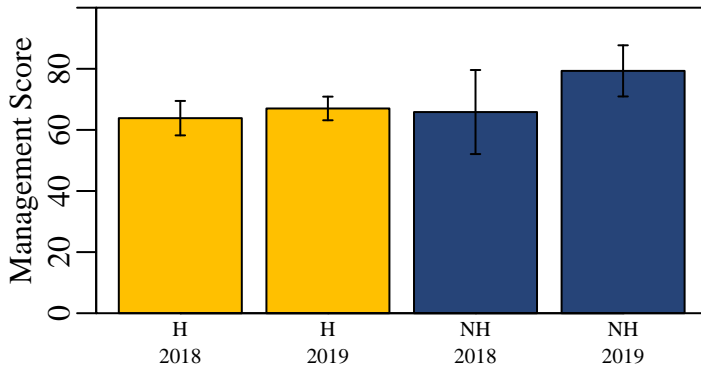


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

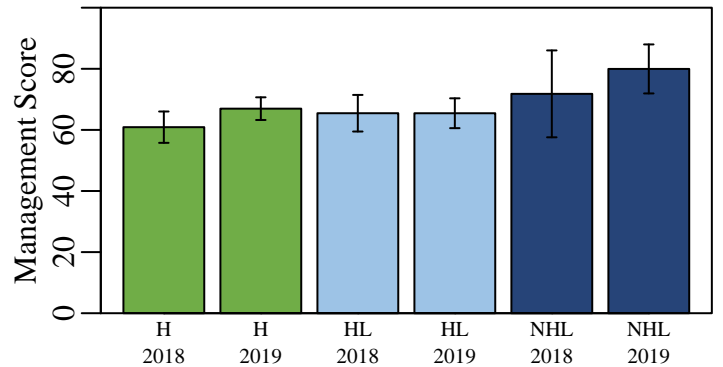


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

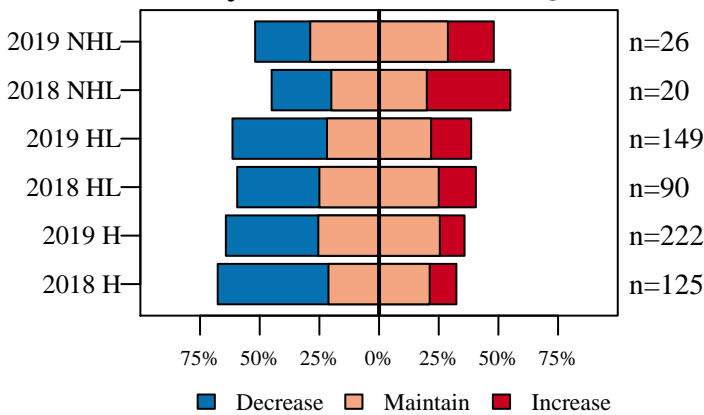


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

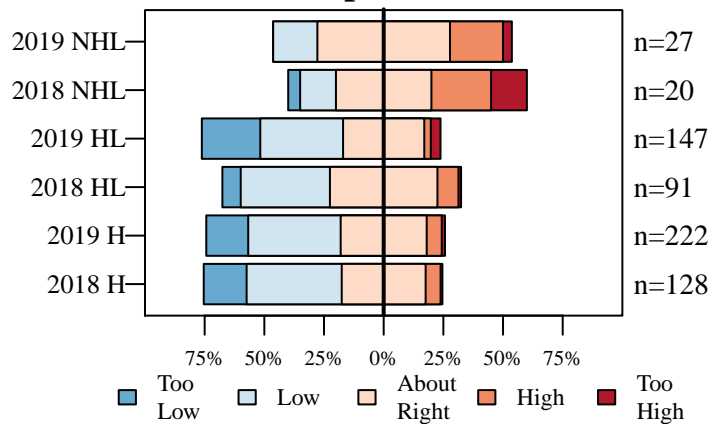


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

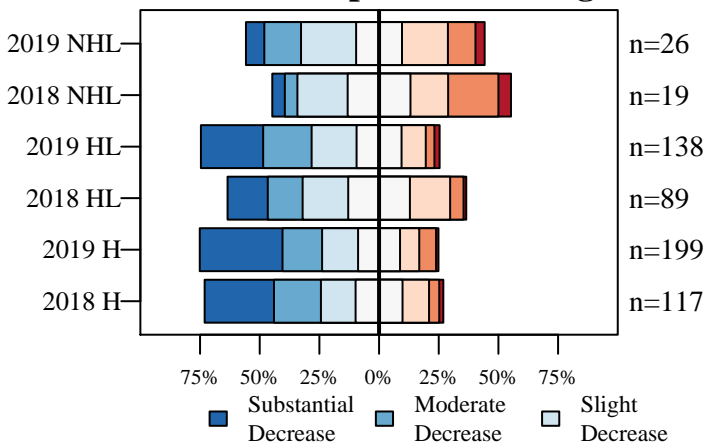


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

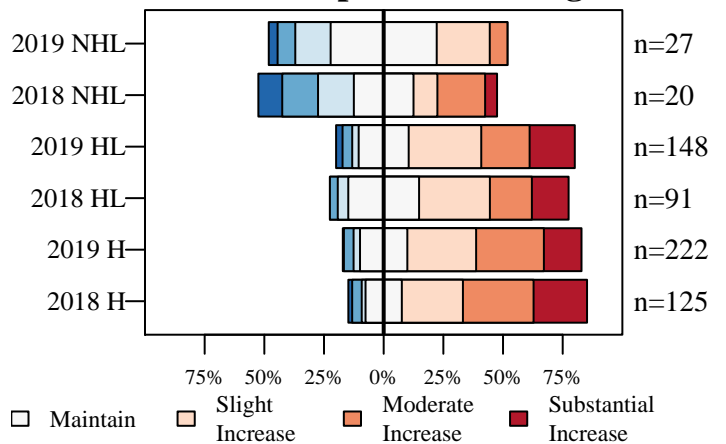


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Bartholomew County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

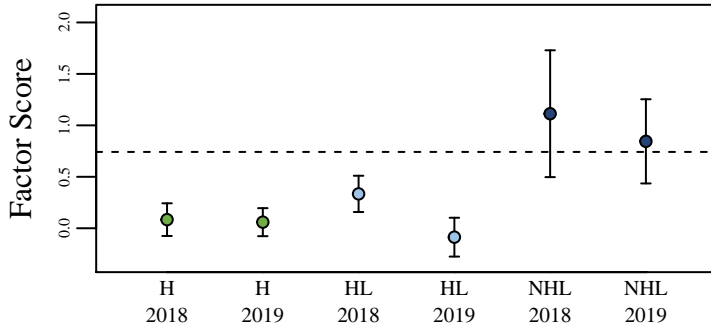


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

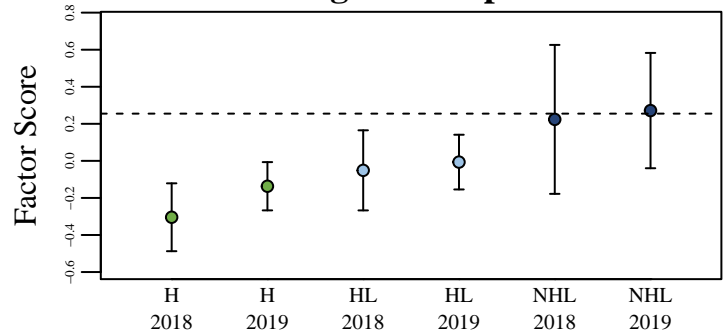


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

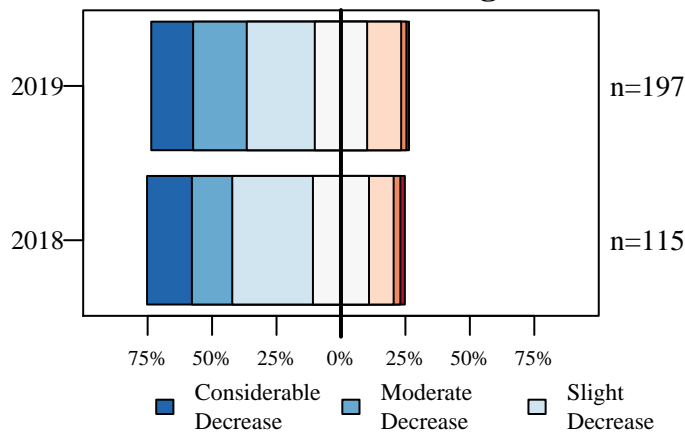


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

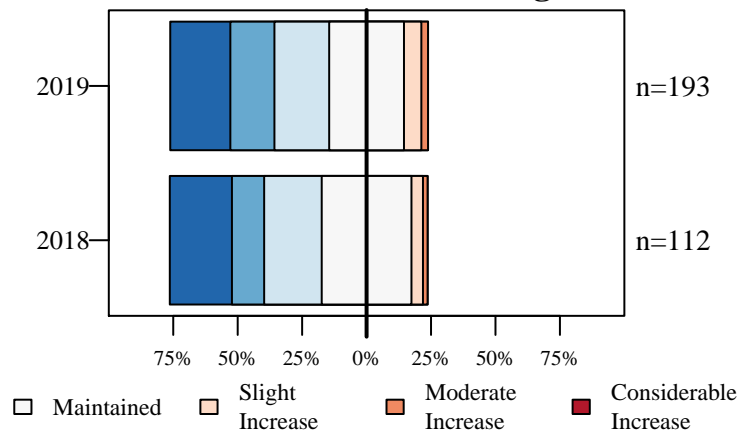


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

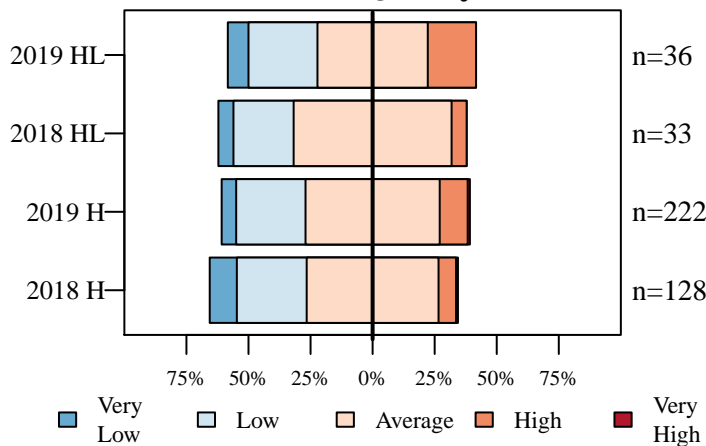


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

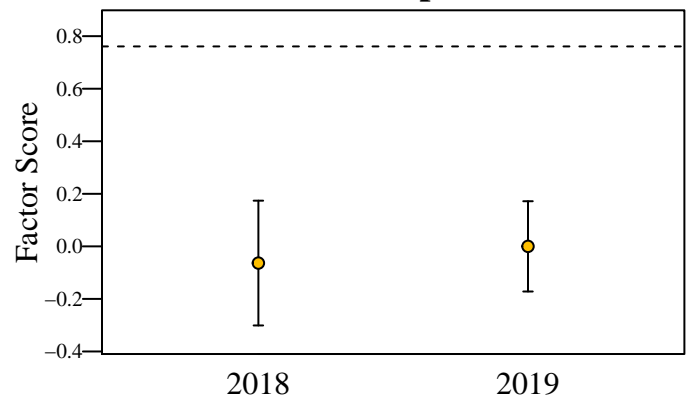


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Benton County

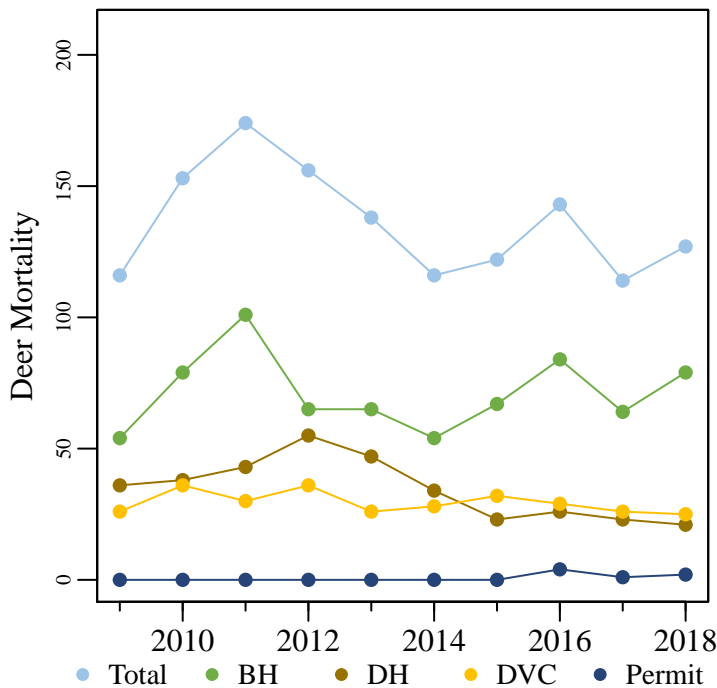
6/26/2019

Total Square Miles: 406  
 Square Miles of Deer Habitat: 12  
 Percent Deer Habitat: 3

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	142		97		8.08	45		3.75	31.69		25		1
2006	125		87		7.25	38		3.17	30.40		20		1
2007	157		111		9.25	46		3.83	29.30		23		1
2008	102		81		6.75	21		1.75	20.59		20		1
2009	90		54		4.50	36		3.00	40.00		26		1
2010	117	-0.22	79	-0.33	6.58	38	0.08	3.17	32.48		36	4.76	1
2011	144	1.01	101	0.91	8.42	43	0.79	3.58	29.86		30	0.75	2
2012	120	-0.07	65	-0.92	5.42	55	1.88	4.58	45.83		36	1.44	2
2013	112	-0.13	65	-0.62	5.42	47	0.68	3.92	41.96		26	-0.53	2
2014	88	-1.48	54	-1.04	4.50	34	-1.29	2.83	38.64		28	-0.56	1
2015	90	-1.31	67	-0.32	5.58	23	-2.51	1.92	25.56		32	0.17	A
2016	110	-0.03	84	0.76	7.00	26	-1.17	2.17	23.64	4	29	-0.36	A
2017	87	-1.20	64	-0.28	5.33	23	-1.02	1.92	26.44	1	26	-1.19	A
2018	100	0.21	79	1.12	6.58	21	-0.94	1.75	21.00	2	25	-1.29	A

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

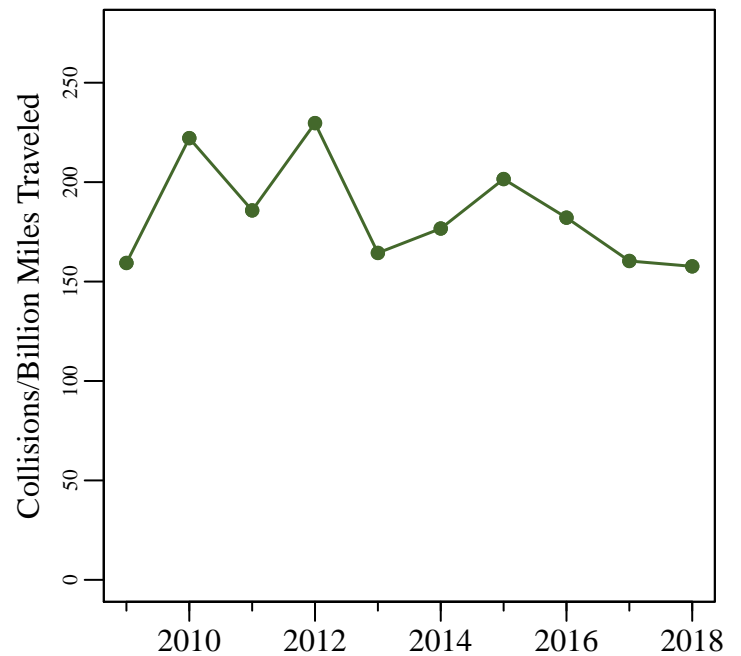


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Benton County

6/26/2019

Total Square Miles: 406  
 Square Miles of Deer Habitat: 12  
 Percent Deer Habitat: 3

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	83	24	59	0	0	55	25	3	0	0	0	0	0	0	0	0
2016	102	23	79	0	0	74	25	3	0	0	0	0	0	0	0	0
2017	75	15	60	0	0	50	23	2	0	0	0	0	0	0	0	0
2018	93	19	74	0	0	67	26	0	0	0	0	0	0	0	0	0

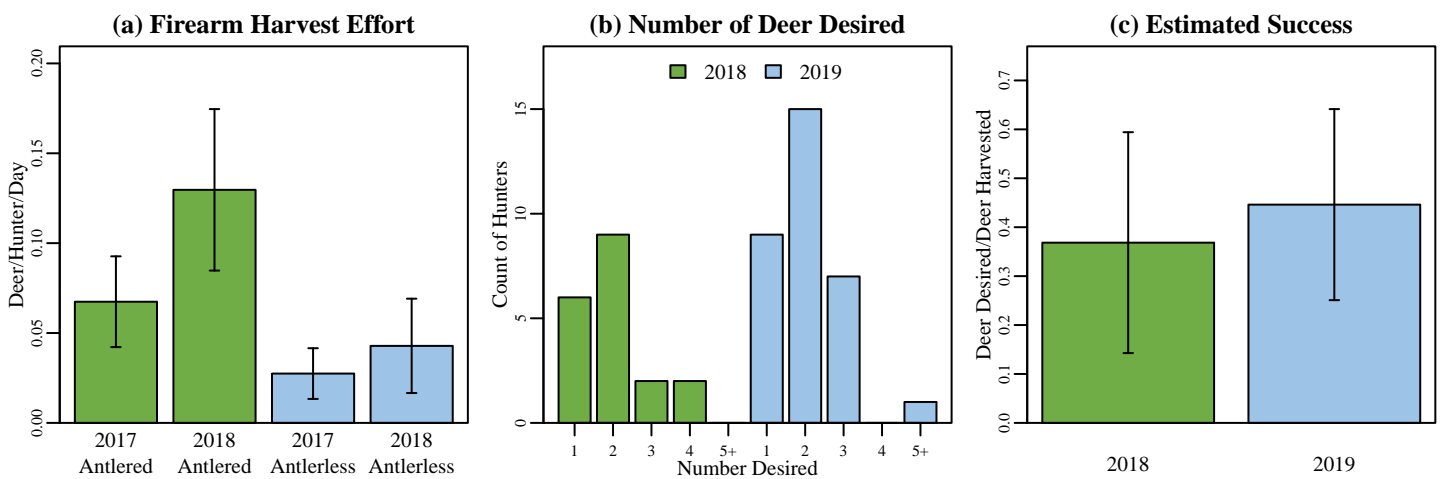
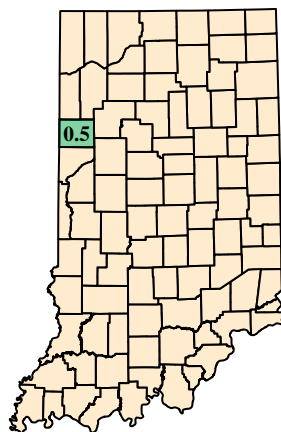


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Benton County Map



## (b) Deer Habitat in Benton County

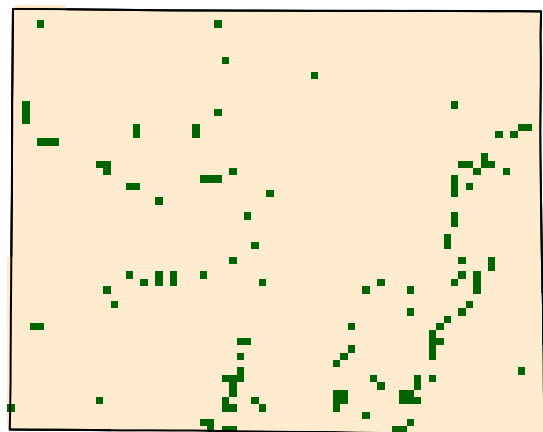


Figure 3. (a) Benton County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Benton County.

# Benton County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

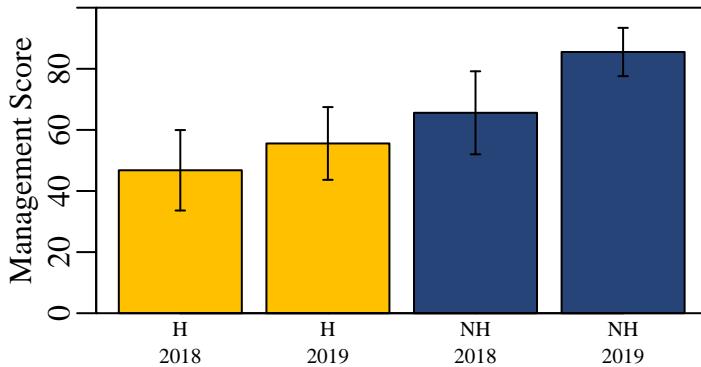


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

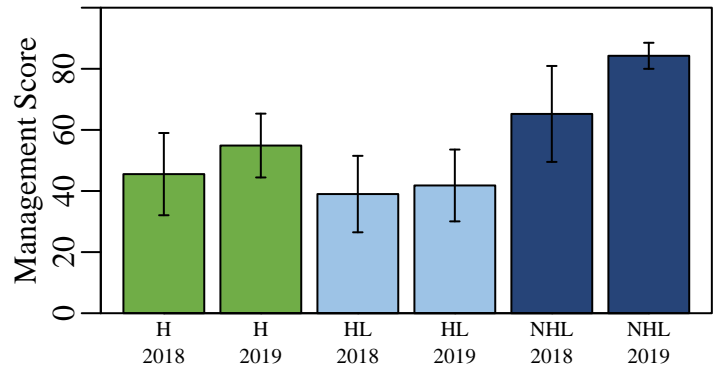


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

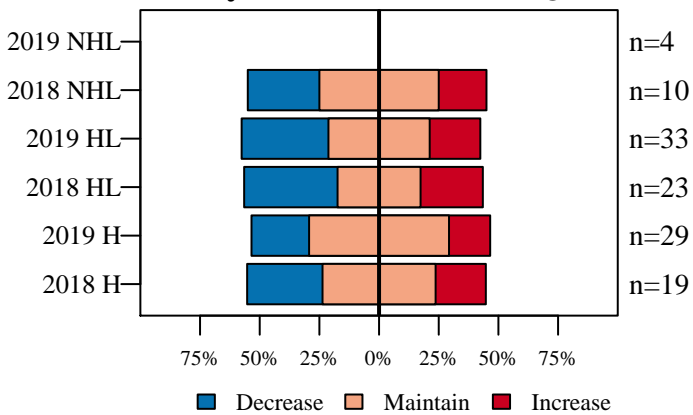


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

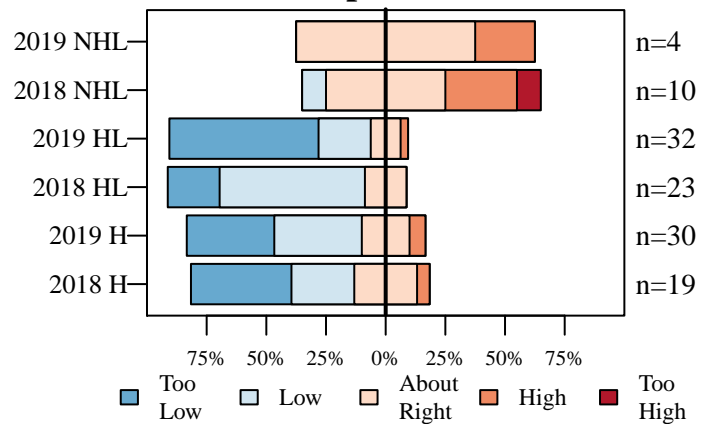


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

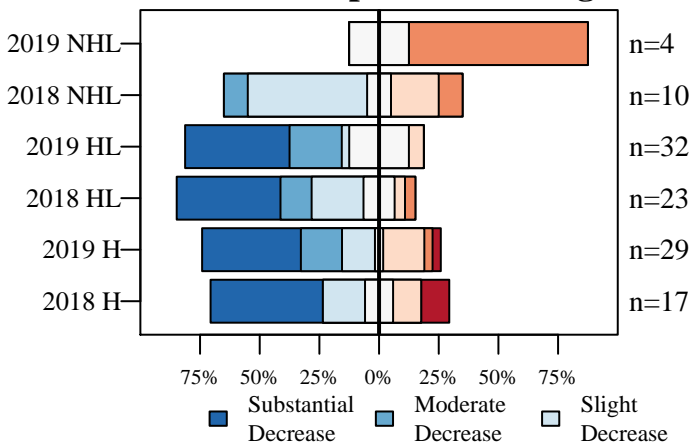


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

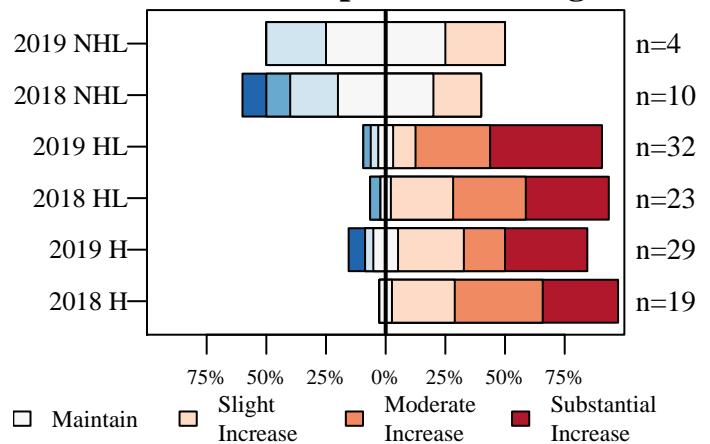


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Benton County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

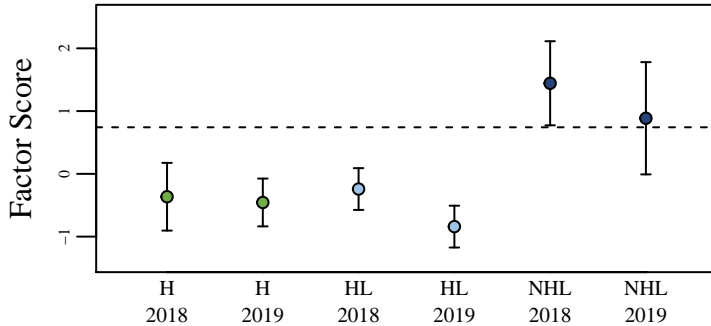


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

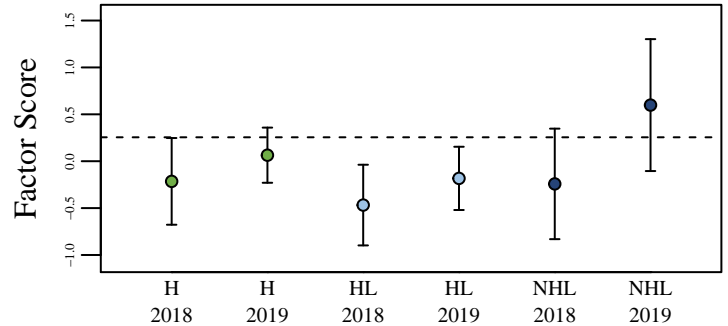


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

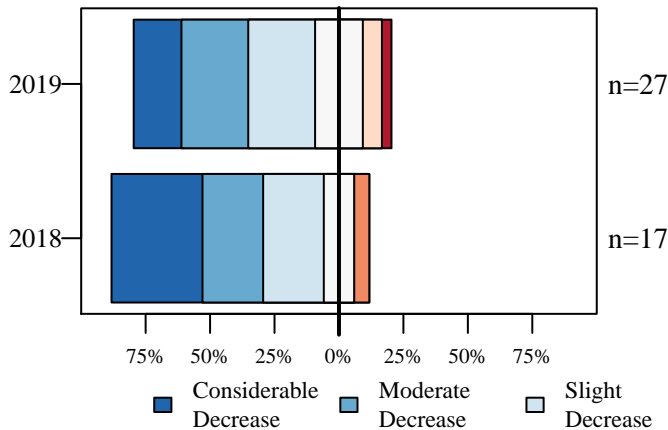


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

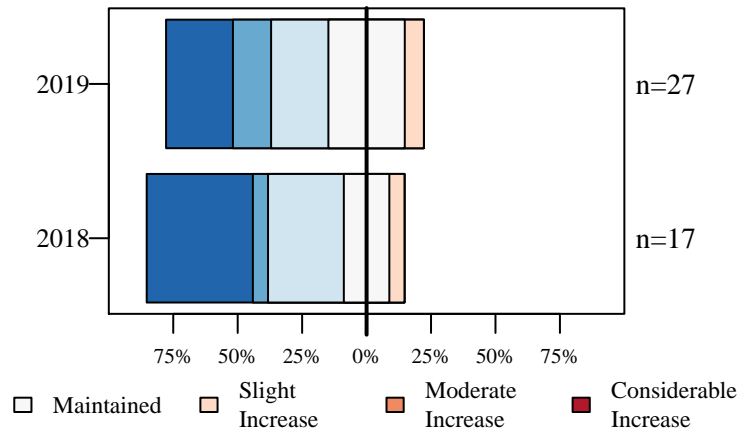


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

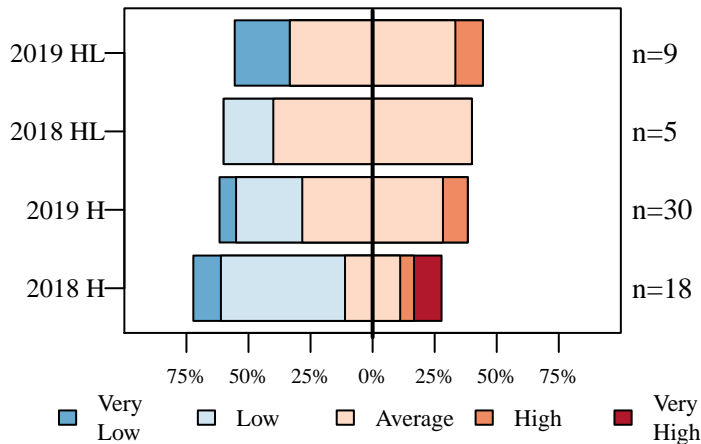


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

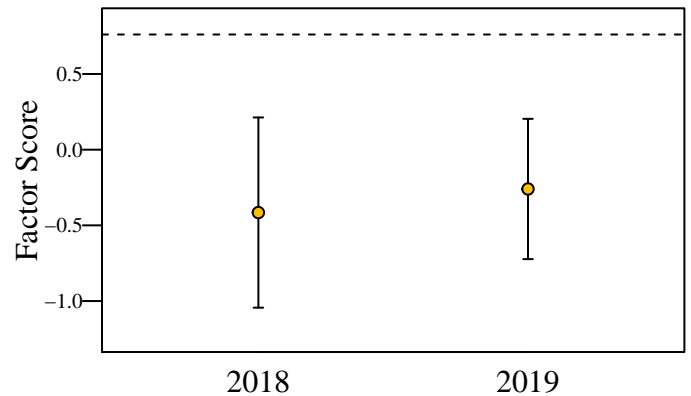


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Blackford County

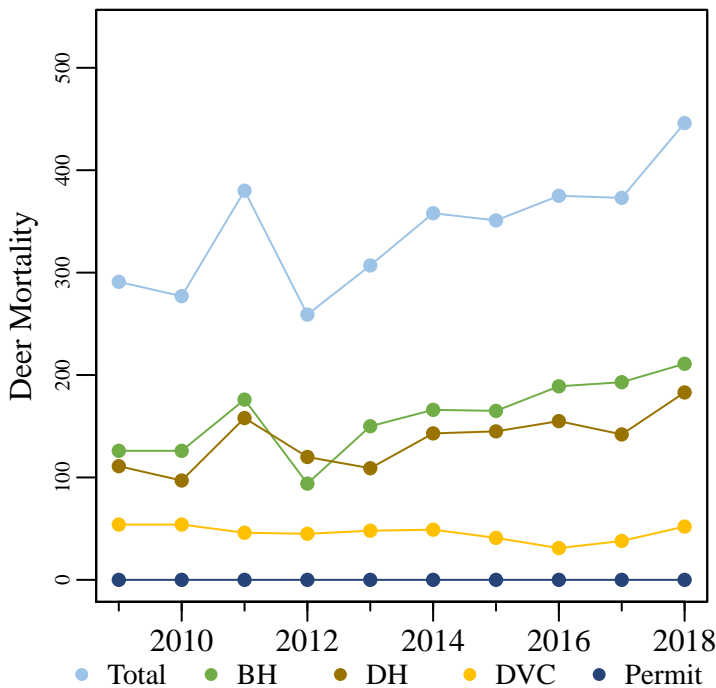
6/26/2019

Total Square Miles: 166  
 Square Miles of Deer Habitat: 18  
 Percent Deer Habitat: 11

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	353		214		11.89	139		7.72	39.38		55		1
2006	288		165		9.17	123		6.83	42.71		58		1
2007	385		217		12.06	168		9.33	43.64		58		1
2008	272		148		8.22	124		6.89	45.59		63		1
2009	237		126		7.00	111		6.17	46.84		54		1
2010	223	-1.39	126	-1.19	7.00	97	-1.64	5.39	43.50		54	-1.03	1
2011	334	0.83	176	0.52	9.78	158	1.25	8.78	47.31		46	-3.07	1
2012	214	-1.12	94	-1.67	5.22	120	-0.38	6.67	56.07		45	-1.60	1
2013	259	0.06	150	0.53	8.33	109	-0.57	6.06	42.08		48	-0.60	1
2014	309	1.15	166	1.03	9.22	143	1.03	7.94	46.28		49	-0.09	1
2015	310	0.80	165	0.68	9.17	145	0.79	8.06	46.77		41	-2.11	1
2016	344	1.22	189	1.18	10.50	155	1.00	8.61	45.06	0	31	-4.75	1
2017	335	0.94	193	1.13	10.72	142	0.40	7.89	42.39	0	38	-0.80	1
2018	394	2.50	211	2.13	11.72	183	2.53	10.17	46.45	0	52	1.47	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

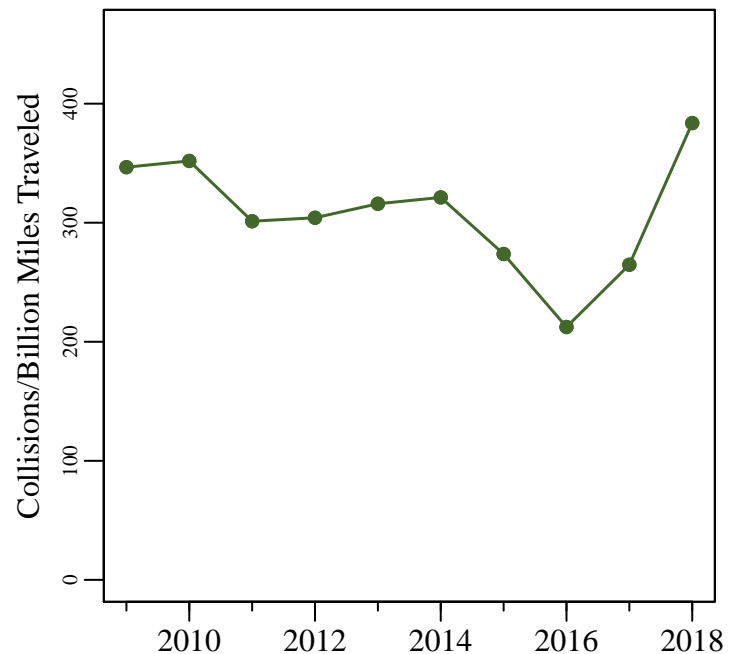


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Blackford County

6/26/2019

Total Square Miles: 166  
 Square Miles of Deer Habitat: 18  
 Percent Deer Habitat: 11

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	254	126	127	1	0	90	148	15	1	0	0	0	0	0	0	0
2016	284	137	145	2	0	113	149	20	2	0	0	0	0	0	0	0
2017	257	119	135	3	0	93	140	19	4	1	0	0	0	0	0	0
2018	309	150	158	1	0	109	171	24	5	0	0	0	0	0	0	0

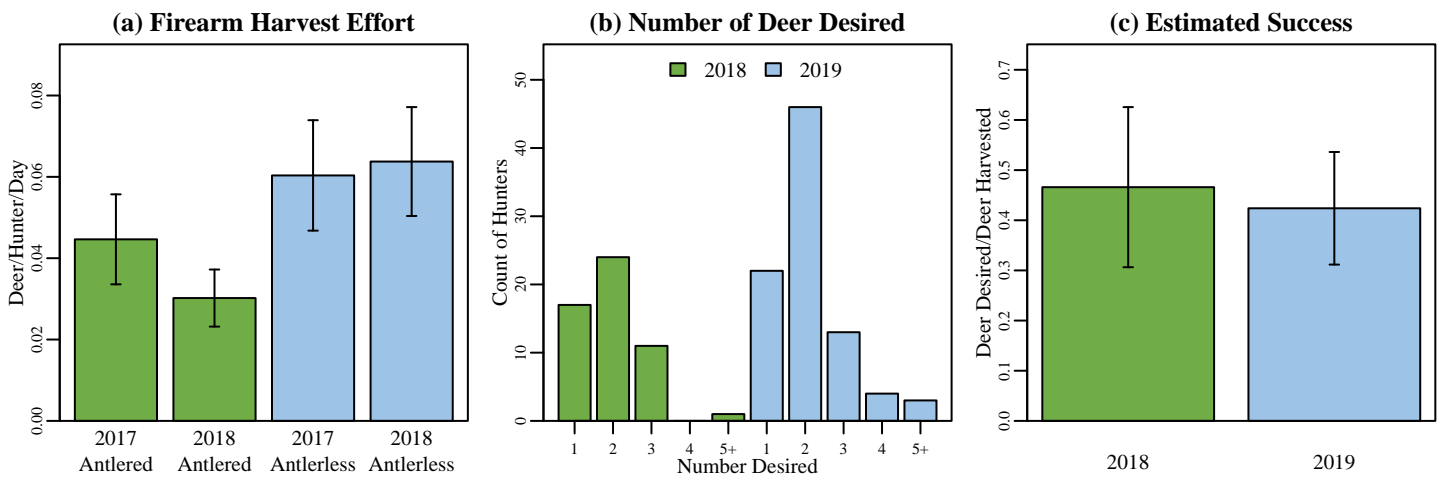
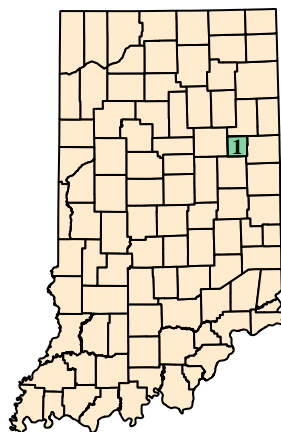


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Blackford County Map



## (b) Deer Habitat in Blackford County

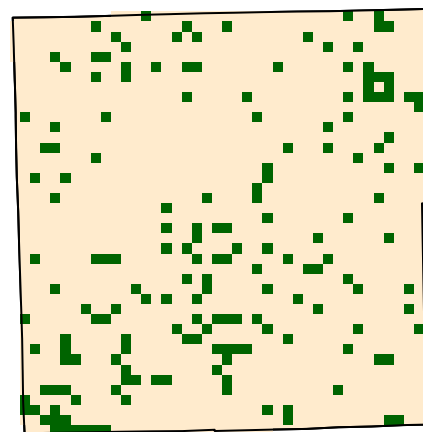


Figure 3. (a) Blackford County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Blackford County.

# Blackford County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

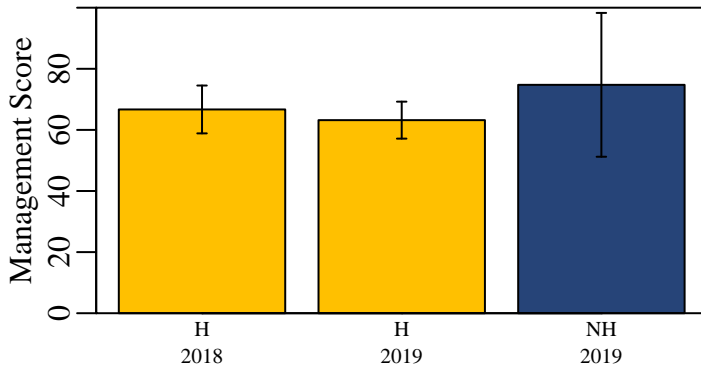


Figure 4. Hunters (H) and nonhunters (NH) were asked to score DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

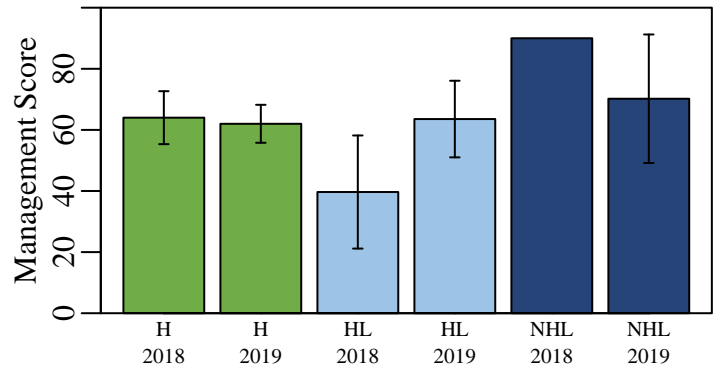


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

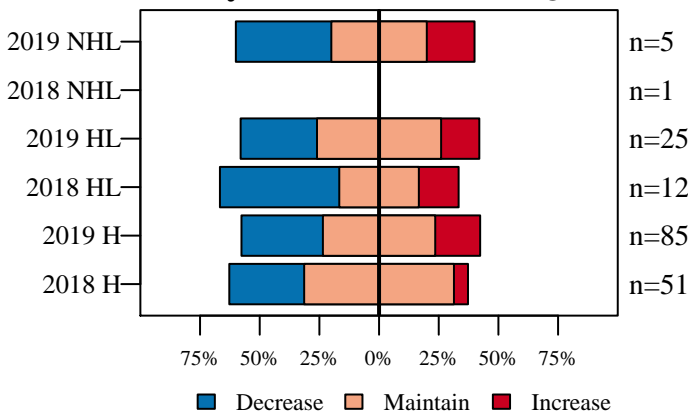


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

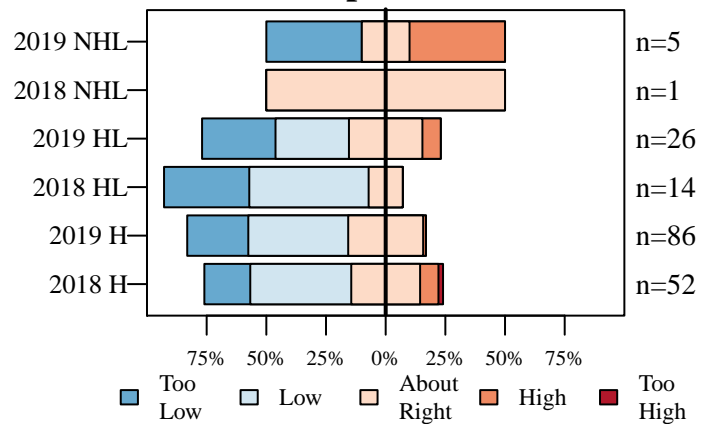


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

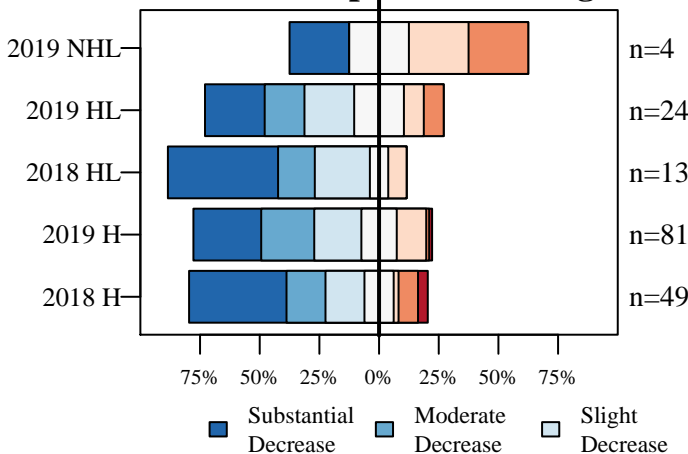


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

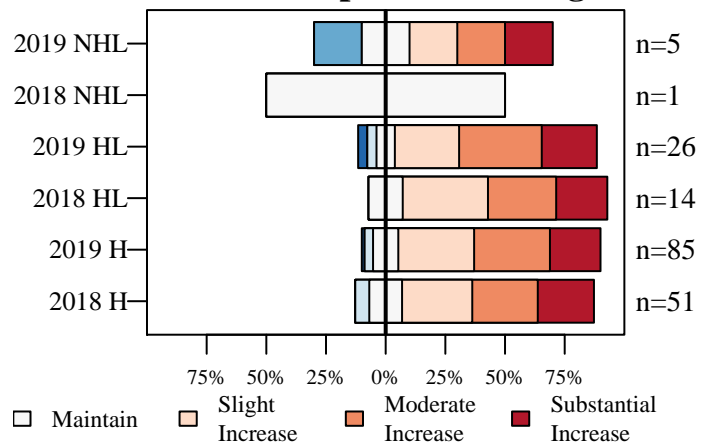


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Blackford County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

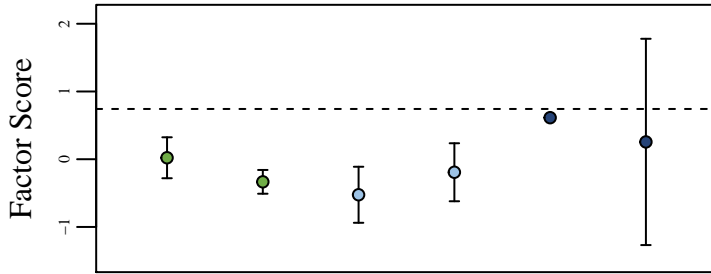


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

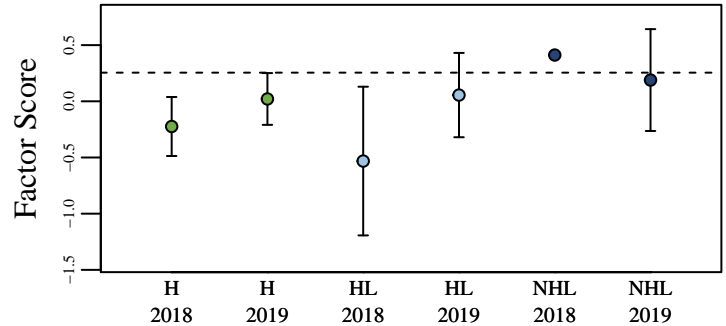


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

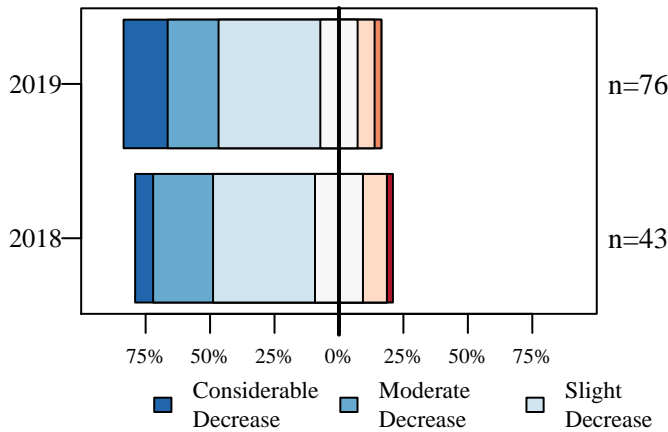


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

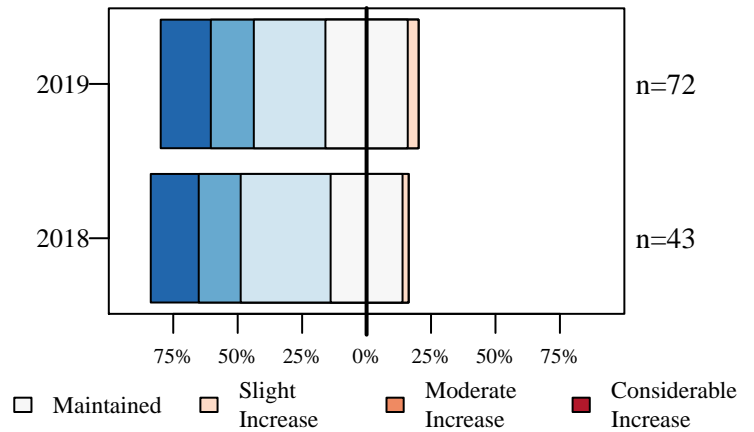


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

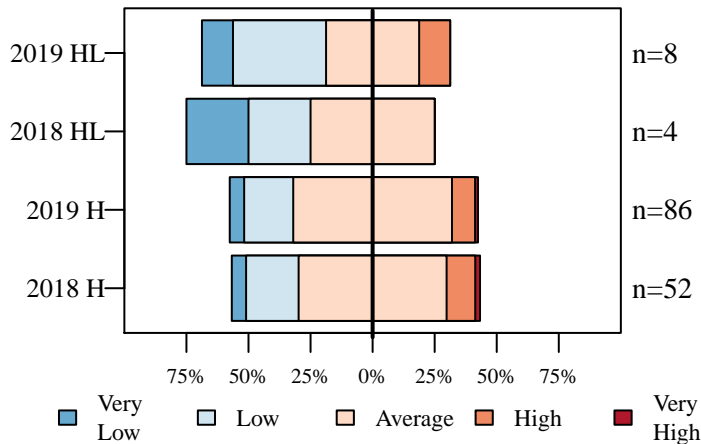


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

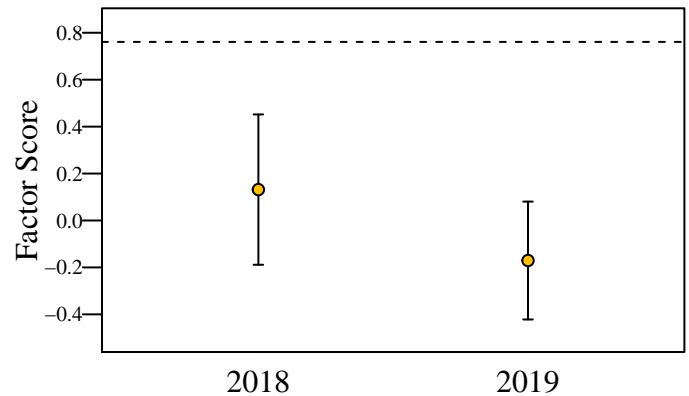


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Boone County

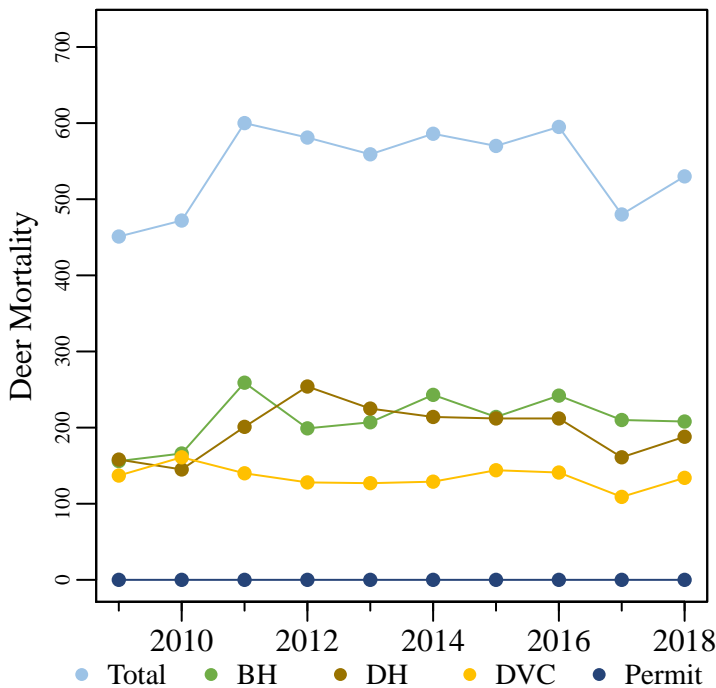
6/26/2019

Total Square Miles: 423  
 Square Miles of Deer Habitat: 37  
 Percent Deer Habitat: 9

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	306		176		4.76	130		3.51	42.48		87		2
2006	353		205		5.54	148		4.00	41.93		144		2
2007	473		285		7.70	188		5.08	39.75		141		2
2008	305		184		4.97	121		3.27	39.67		132		3
2009	314		156		4.22	158		4.27	50.32		137		3
2010	311	-0.55	166	-0.70	4.49	145	-0.15	3.92	46.62		161	1.40	4
2011	460	1.54	259	1.16	7.00	201	2.02	5.43	43.70		140	-0.27	4
2012	453	0.94	199	-0.19	5.38	254	2.83	6.86	56.07		128	-1.28	4
2013	432	0.79	207	0.35	5.59	225	0.94	6.08	52.08		127	-0.98	4
2014	457	0.84	243	1.12	6.57	214	0.38	5.78	46.83		129	-0.70	4
2015	426	0.05	214	-0.02	5.78	212	0.10	5.73	49.77		144	0.49	4
2016	454	0.54	242	0.69	6.54	212	-0.46	5.73	46.70	0	141	0.95	4
2017	371	-5.14	210	-0.54	5.68	161	-3.48	4.35	43.40	0	109	-3.39	4
2018	396	-0.93	208	-0.85	5.62	188	-0.67	5.08	47.47	0	134	0.24	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

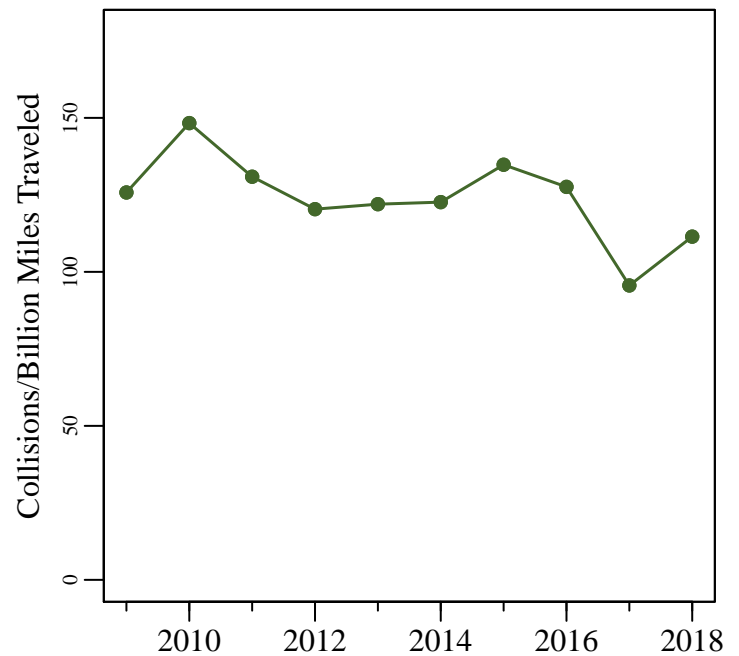


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Boone County

6/26/2019

Total Square Miles: 423  
 Square Miles of Deer Habitat: 37  
 Percent Deer Habitat: 9

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	338	183	154	1	0	116	179	38	5	0	0	0	0	0	0	0
2016	353	159	189	5	0	146	174	24	5	3	0	1	0	0	0	0
2017	288	120	166	2	0	130	124	28	4	1	1	0	0	0	0	0
2018	309	142	165	2	0	128	142	35	3	0	0	1	0	0	0	0

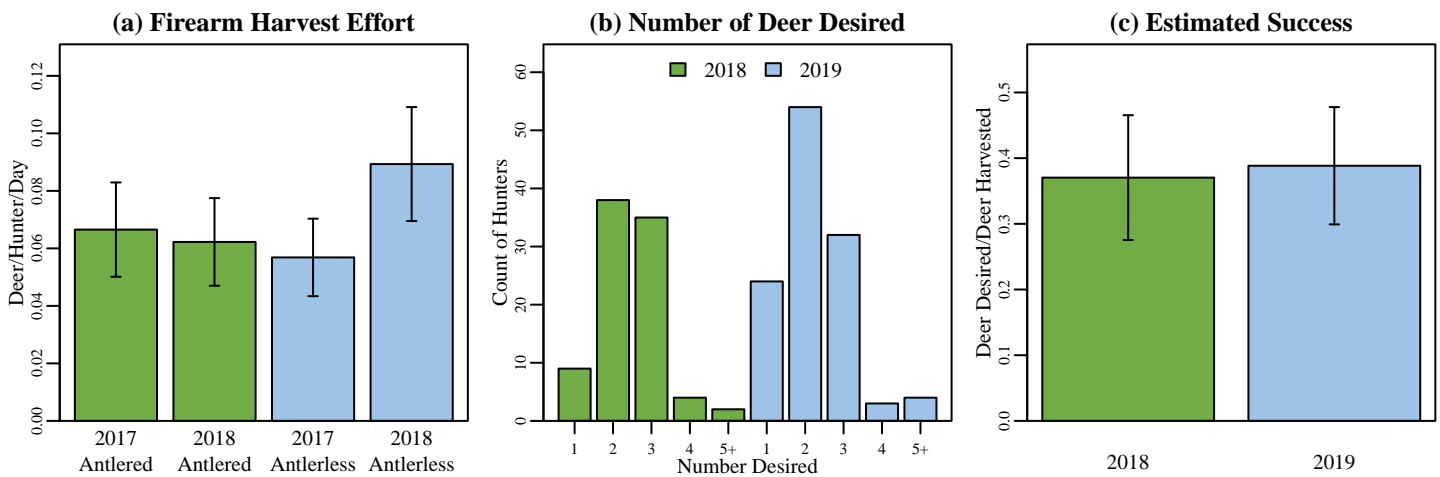
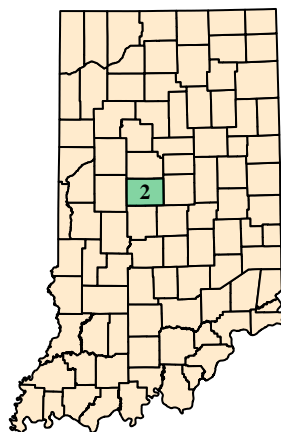


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Boone County Map



## (b) Deer Habitat in Boone County

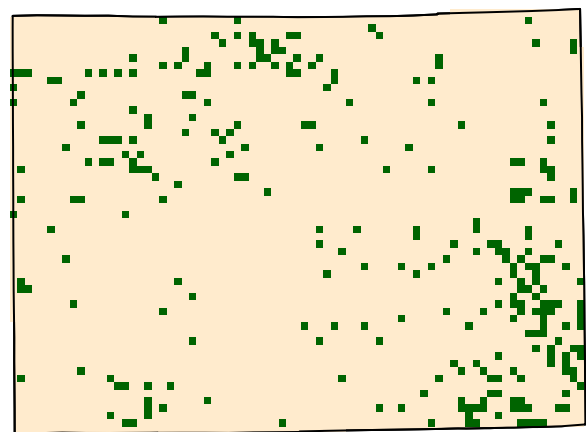


Figure 3. (a) Boone County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Boone County.

# Boone County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

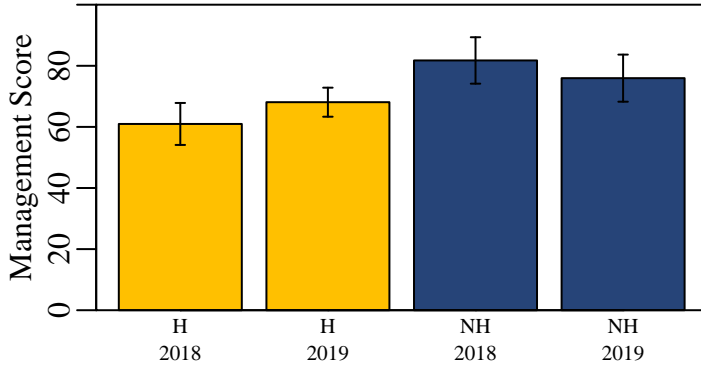


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

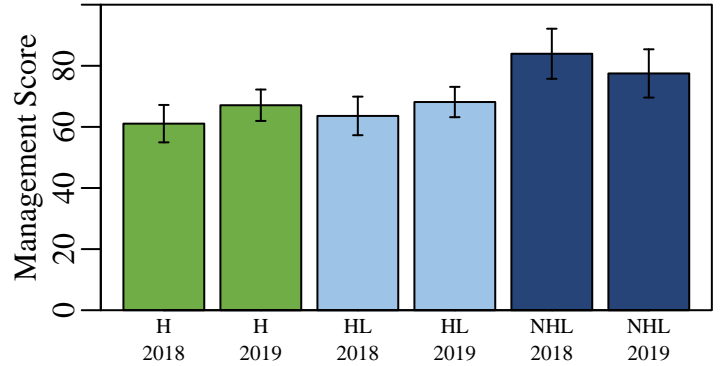


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

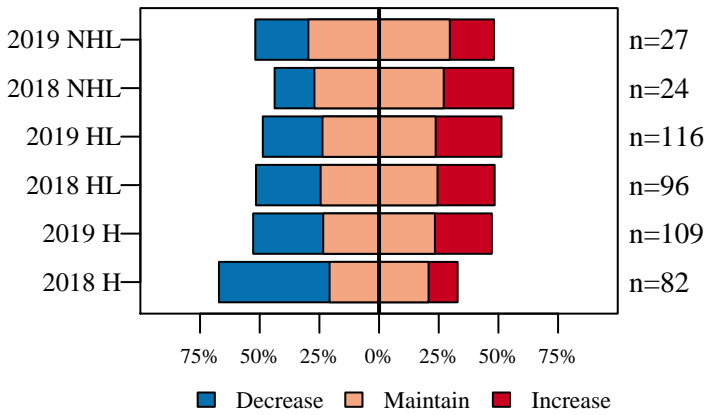


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

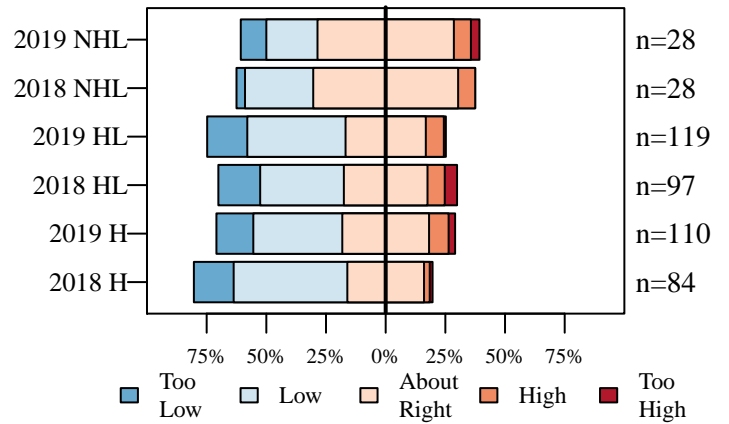


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

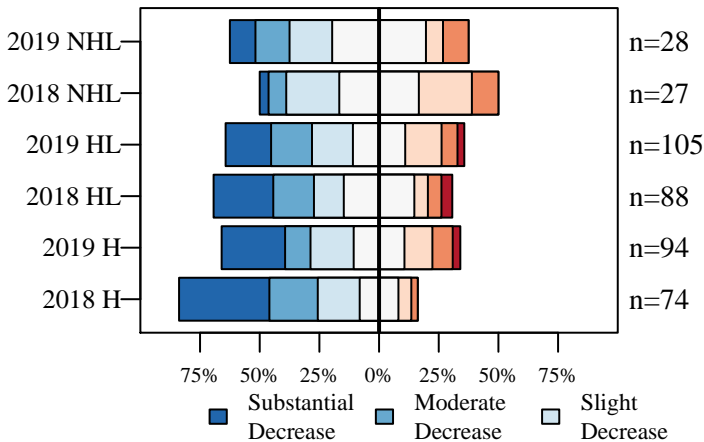


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

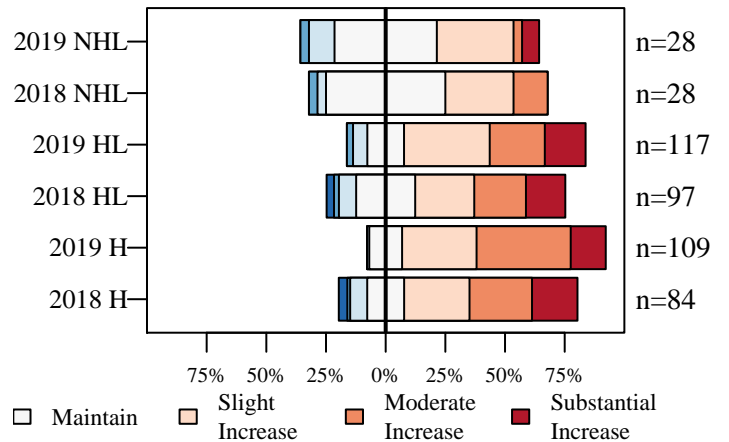


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Boone County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

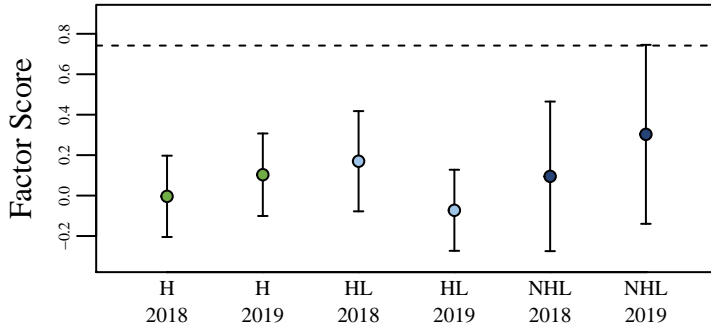


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

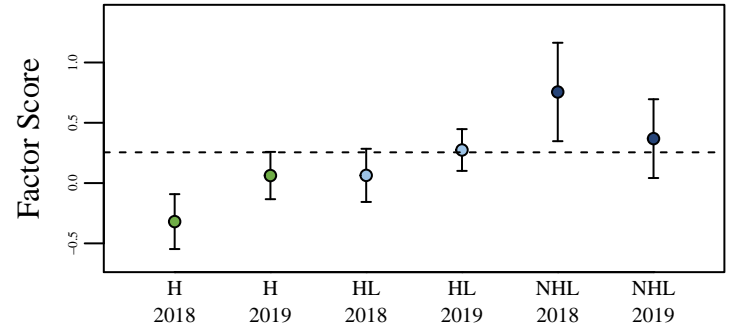


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

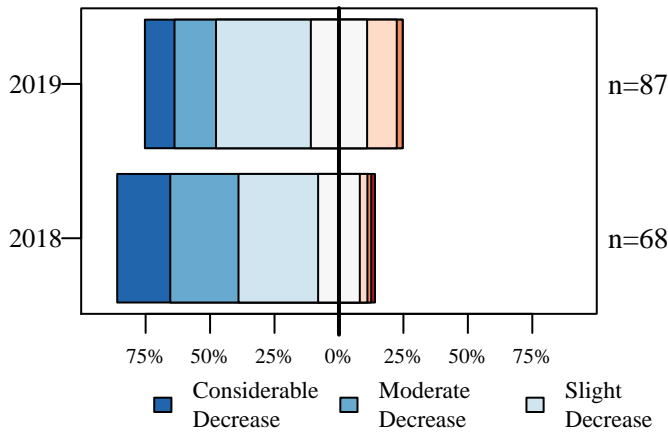


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

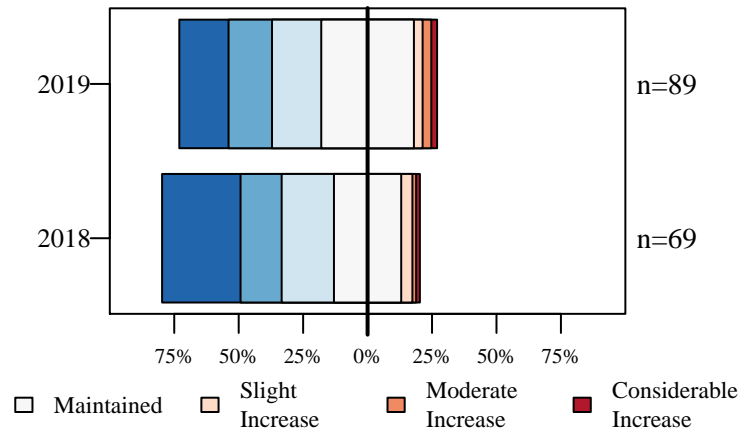


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

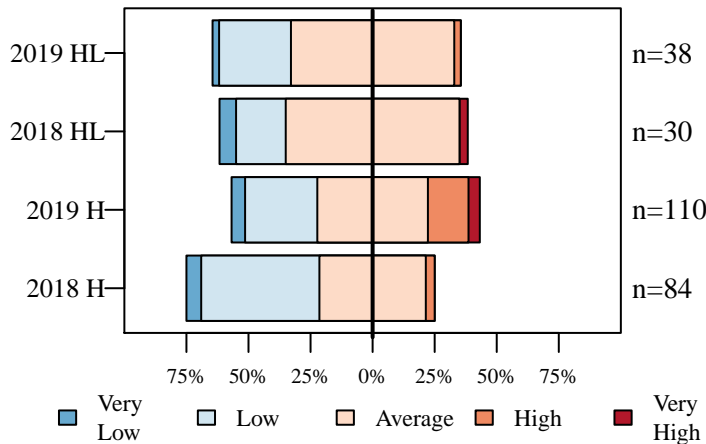


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

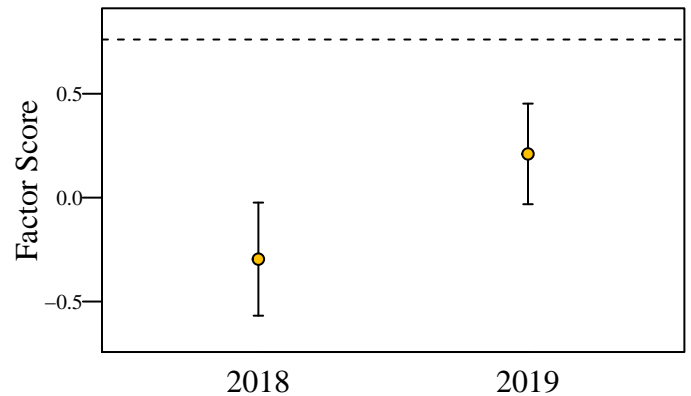


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Brown County

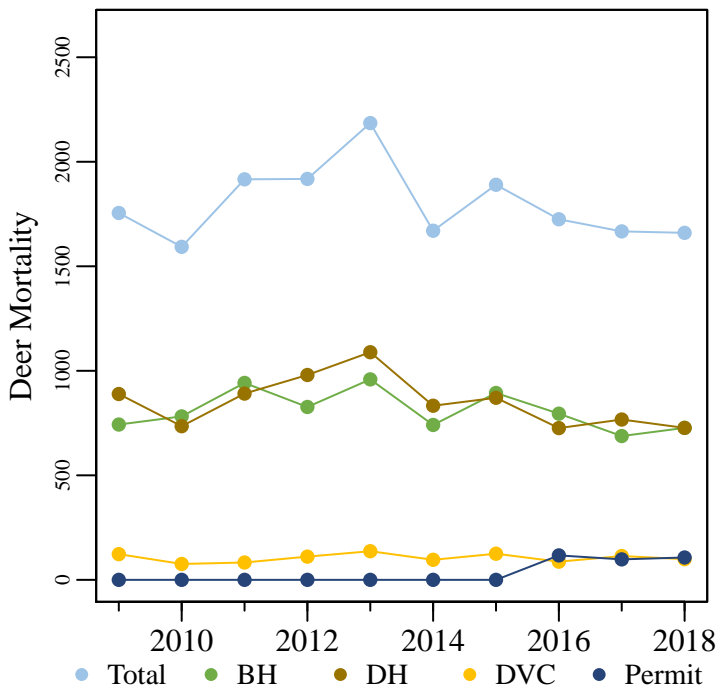
6/26/2019

Total Square Miles: 316  
 Square Miles of Deer Habitat: 300  
 Percent Deer Habitat: 94

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,813		945		3.15	868		2.89	47.88		41		3
2006	1,656		858		2.86	798		2.66	48.19		75		3
2007	2,016		1,041		3.47	975		3.25	48.36		106		3
2008	1,601		772		2.57	829		2.76	51.78		105		3
2009	1,632		743		2.48	889		2.96	54.47		123		4
2010	1,517	-1.31	782	-0.73	2.61	735	-2.03	2.45	48.45		76	-0.43	4
2011	1,833	0.77	942	0.85	3.14	891	0.50	2.97	48.61		83	-0.67	4
2012	1,807	0.43	827	-0.22	2.76	980	1.31	3.27	54.23		111	0.65	4
2013	2,048	2.71	959	1.87	3.20	1,089	2.48	3.63	53.17		137	1.91	4
2014	1,574	-0.95	741	-1.14	2.47	833	-0.64	2.78	52.92		96	-0.38	4
2015	1,765	0.04	894	0.45	2.98	871	-0.25	2.90	49.35		125	1.00	4
2016	1,521	-1.68	795	-0.87	2.65	726	-2.01	2.42	47.73	117	87	-1.08	4
2017	1,455	-1.38	688	-1.82	2.29	767	-0.95	2.56	52.71	98	114	0.35	4
2018	1,454	-0.91	727	-0.80	2.42	727	-0.92	2.42	50.00	107	99	-0.43	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions



Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Brown County

6/26/2019

Total Square Miles: 316  
 Square Miles of Deer Habitat: 300  
 Percent Deer Habitat: 94

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,376	710	666	0	0	493	716	127	32	7	1	0	0	0	0	0
2016	1,207	614	590	3	0	460	605	111	26	5	0	0	0	0	0	0
2017	1,091	592	496	2	1	359	561	134	25	12	0	0	0	0	0	0
2018	1,094	575	509	9	1	384	556	118	27	4	4	0	0	0	0	0

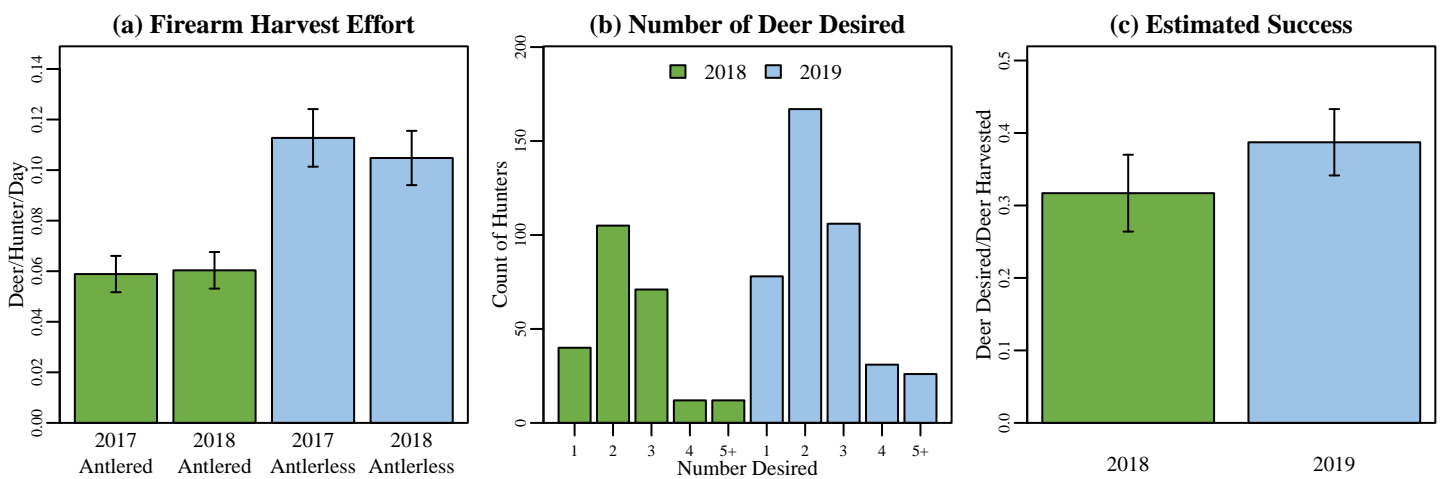


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Brown County Map



## (b) Deer Habitat in Brown County

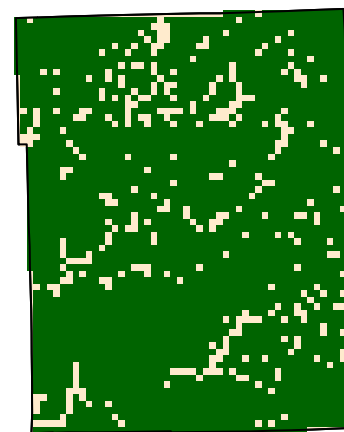


Figure 3. (a) Brown County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Brown County.

# Brown County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

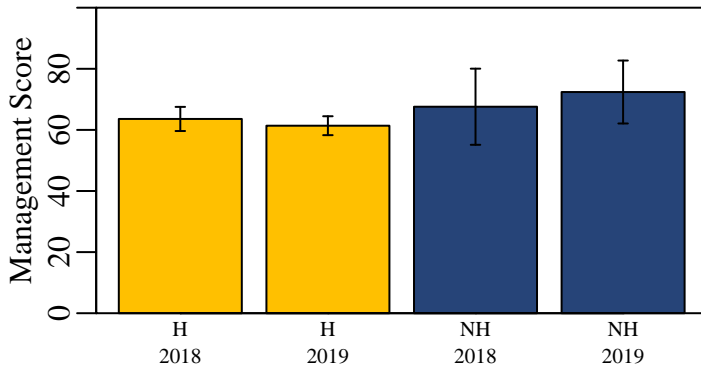


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

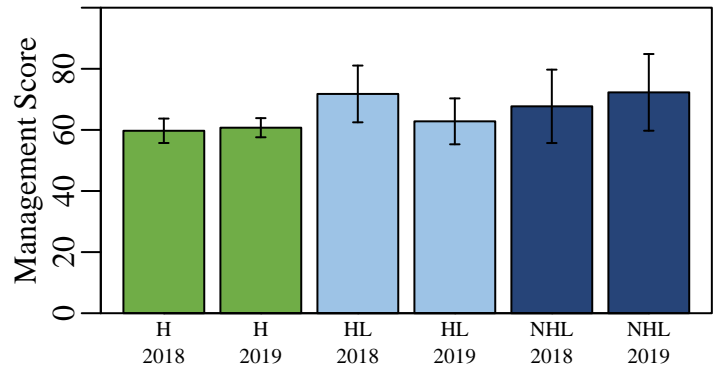


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

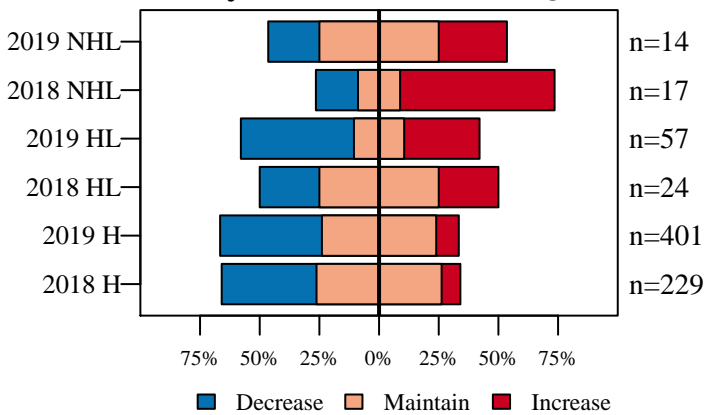


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

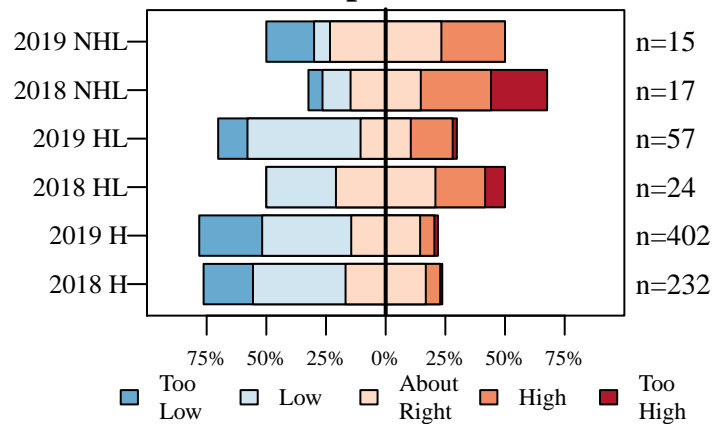


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

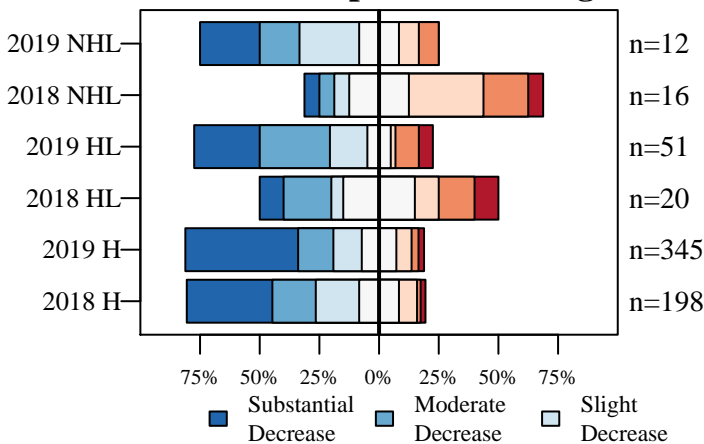


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

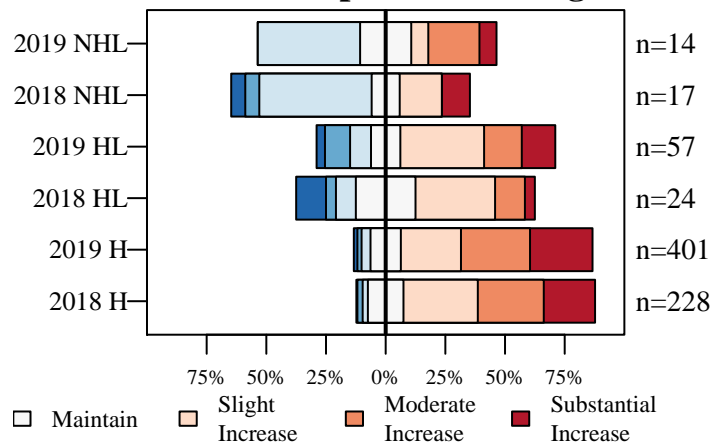


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Brown County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

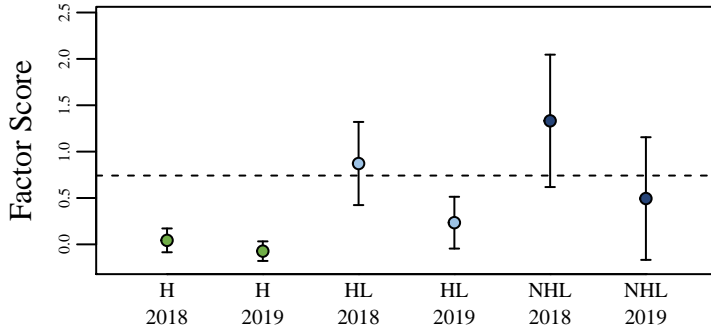


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

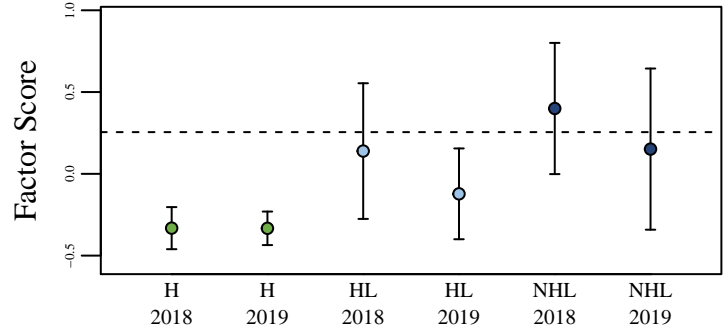


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

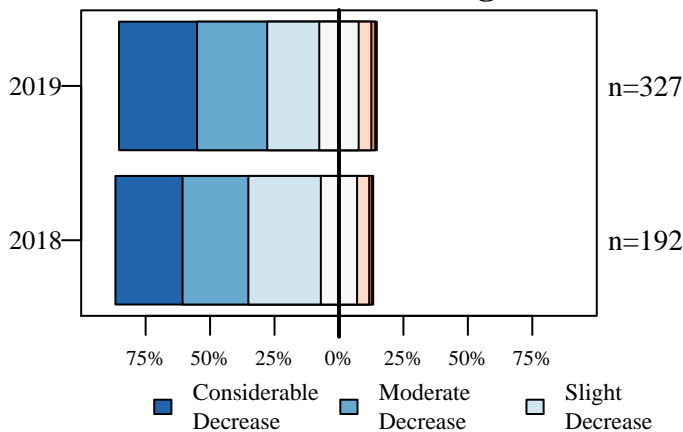


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

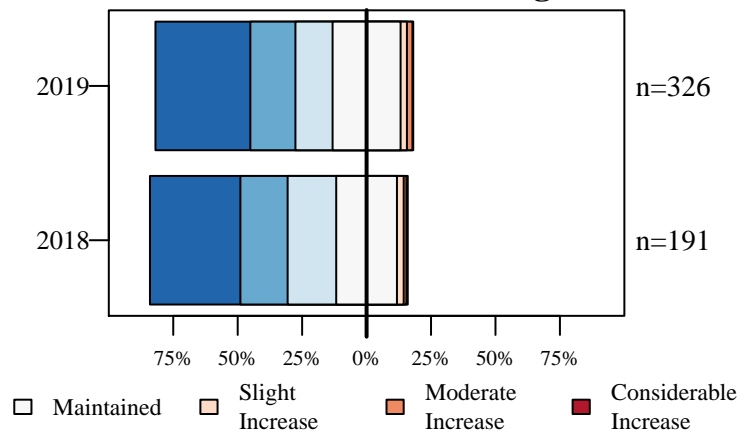


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

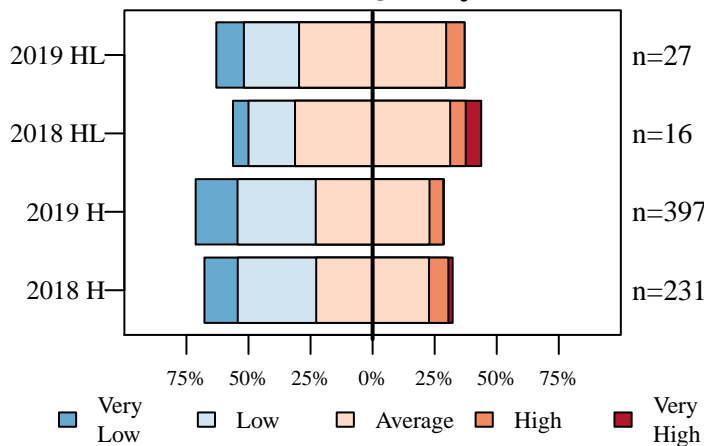


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

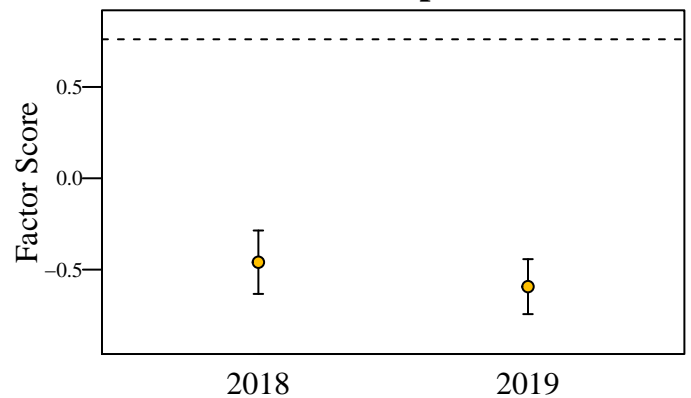


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Carroll County

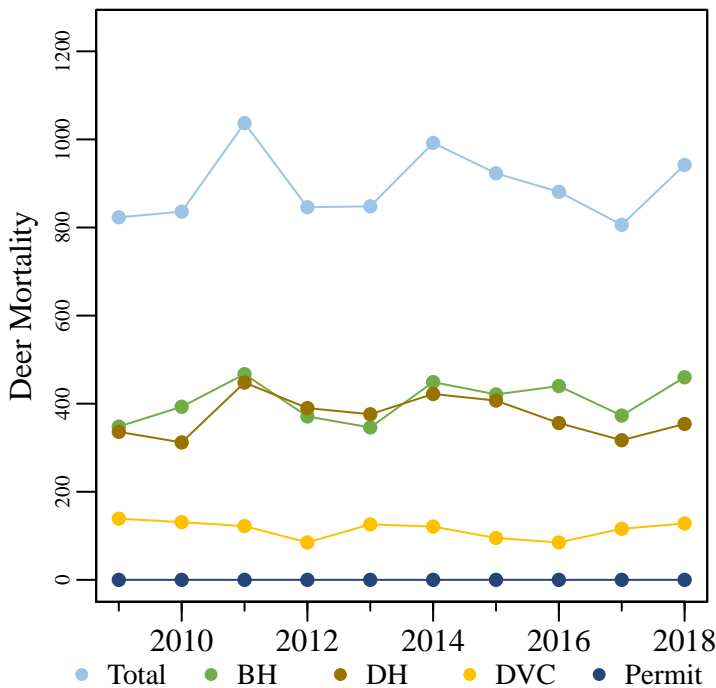
6/26/2019

Total Square Miles: 375  
 Square Miles of Deer Habitat: 53  
 Percent Deer Habitat: 14

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	827		460		8.68	367		6.92	44.38		111		2
2006	869		436		8.23	433		8.17	49.83		129		2
2007	938		510		9.62	428		8.08	45.63		159		2
2008	774		412		7.77	362		6.83	46.77		146		2
2009	684		348		6.57	336		6.34	49.12		139		3
2010	705	-1.18	393	-0.67	7.42	312	-1.70	5.89	44.26		131	-0.32	3
2011	915	1.12	467	0.79	8.81	448	1.36	8.45	48.96		122	-1.54	3
2012	761	-0.36	371	-0.87	7.00	390	0.22	7.36	51.25		85	-3.84	3
2013	722	-0.51	346	-1.15	6.53	376	0.12	7.09	52.08		126	0.06	3
2014	871	1.23	449	1.29	8.47	422	0.95	7.96	48.45		121	0.02	3
2015	828	0.36	421	0.31	7.94	407	0.34	7.68	49.15		95	-1.20	3
2016	796	-0.30	440	0.57	8.30	356	-1.88	6.72	44.72	0	85	-1.34	3
2017	690	-1.83	373	-0.72	7.04	317	-2.84	5.98	45.94	0	116	0.53	2
2018	814	0.44	460	1.22	8.68	354	-0.52	6.68	43.49	0	128	1.15	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

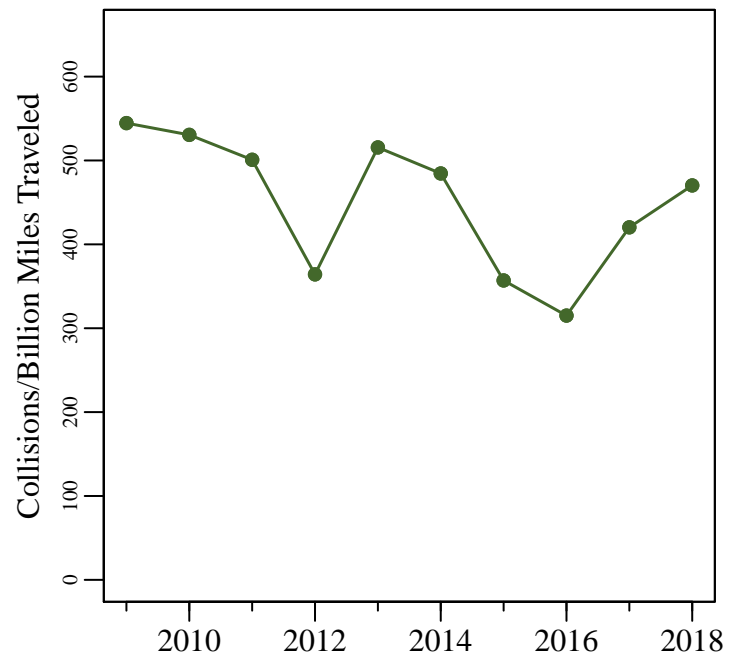


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Carroll County

6/26/2019

Total Square Miles: 375  
 Square Miles of Deer Habitat: 53  
 Percent Deer Habitat: 14

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	649	322	327	0	0	240	331	67	8	3	0	0	0	0	0	0
2016	633	267	361	5	0	285	280	61	5	2	0	0	0	0	0	0
2017	556	256	299	1	0	239	249	64	4	0	0	0	0	0	0	0
2018	650	272	378	0	0	286	295	66	3	0	0	0	0	0	0	0

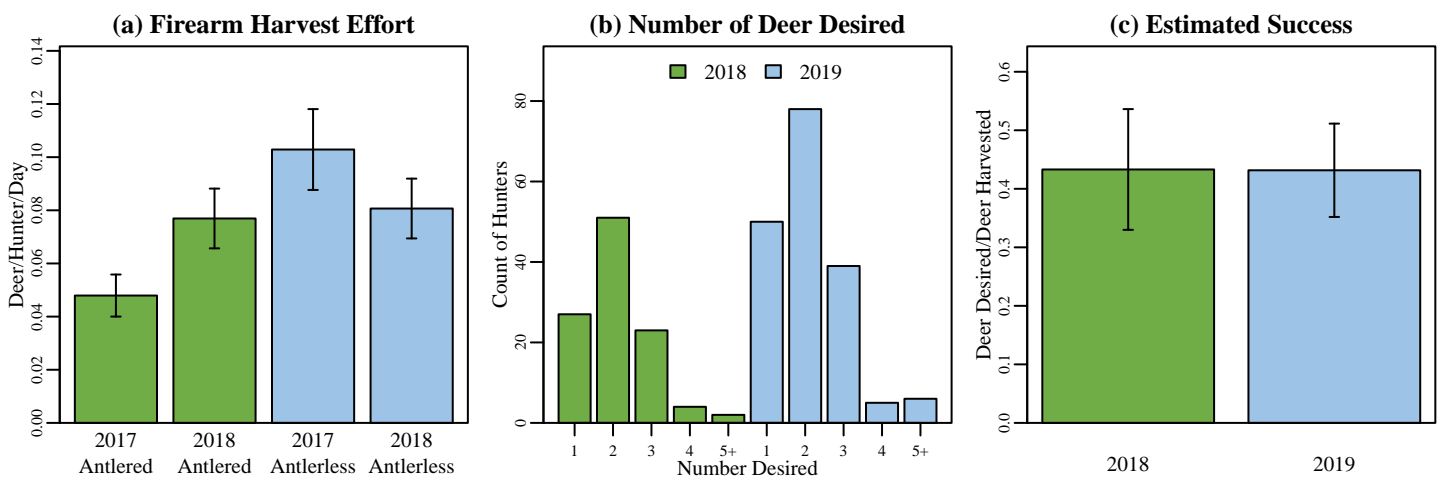
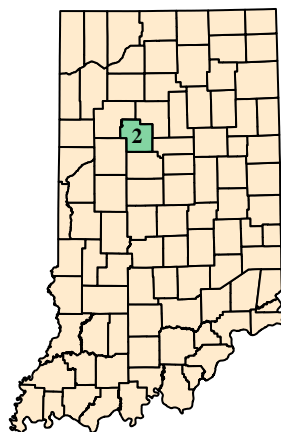


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Carroll County Map



## (b) Deer Habitat in Carroll County

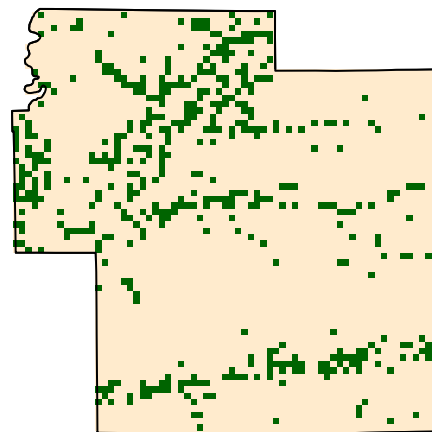


Figure 3. (a) Carroll County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Carroll County.

# Carroll County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

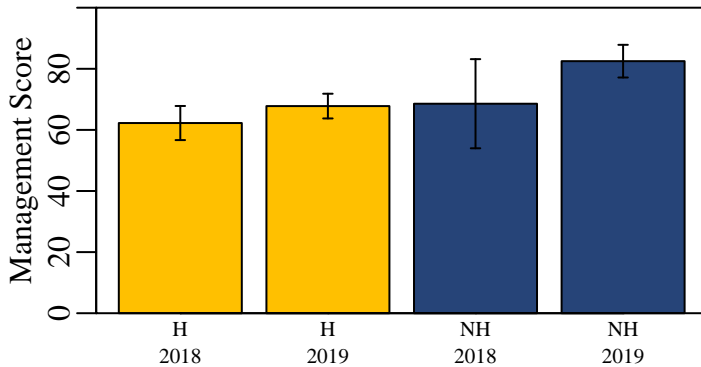


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

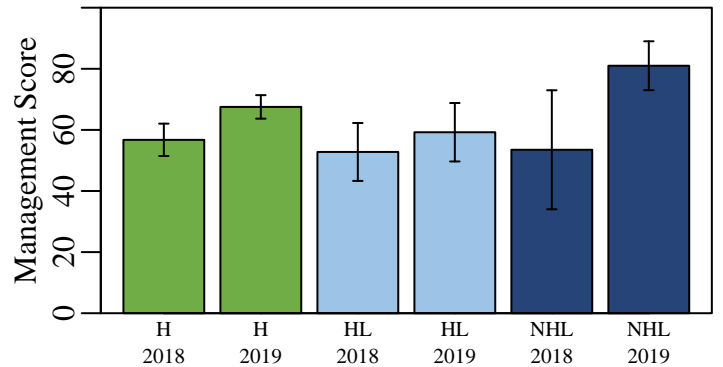


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

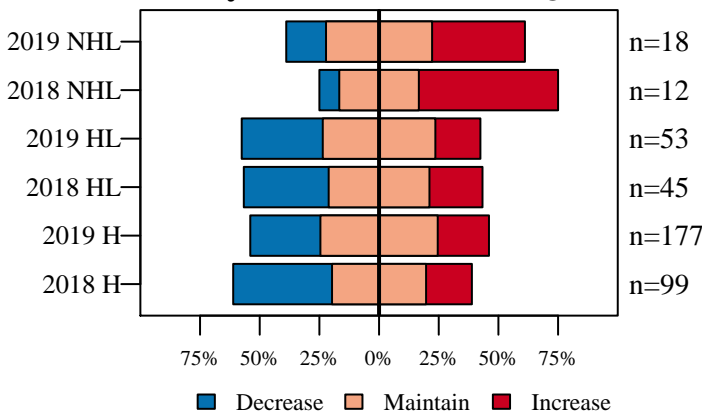


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

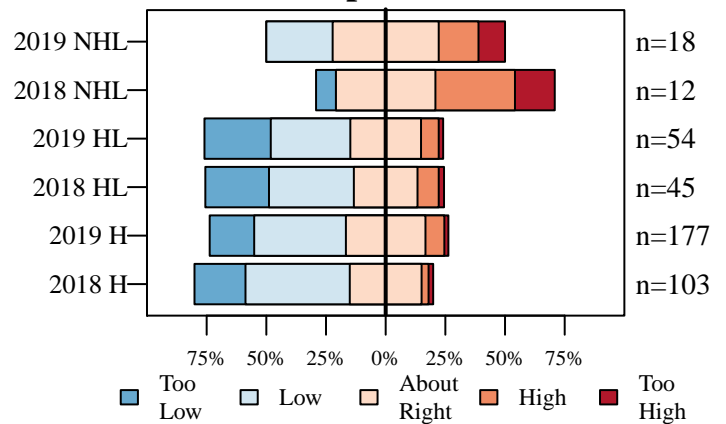


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

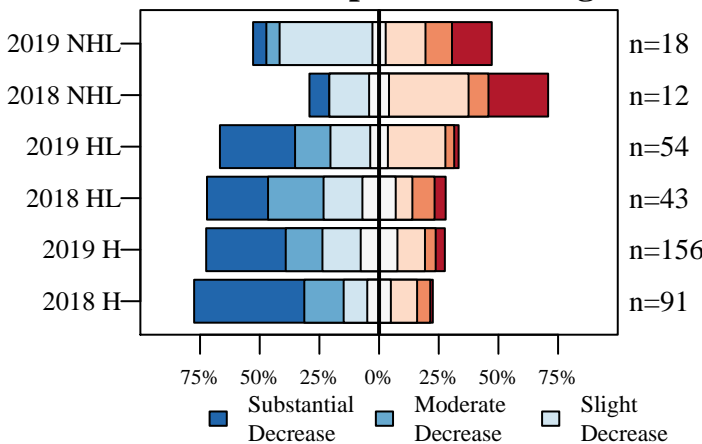


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

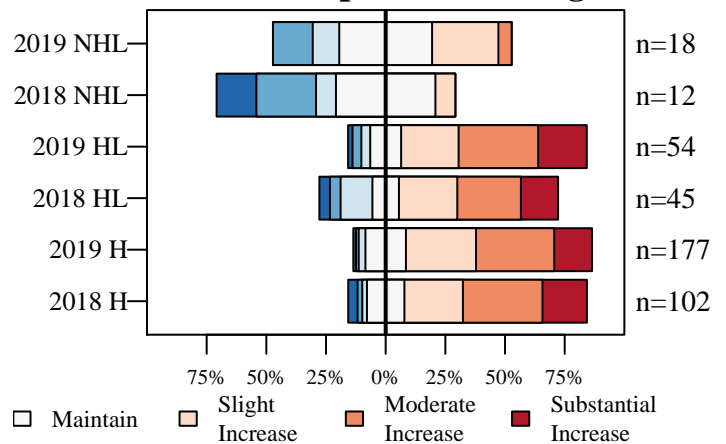


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Carroll County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

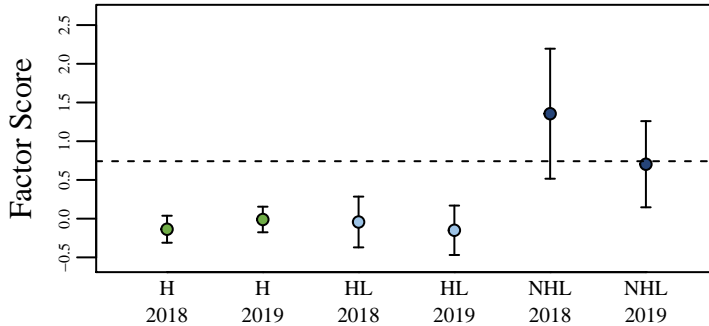


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

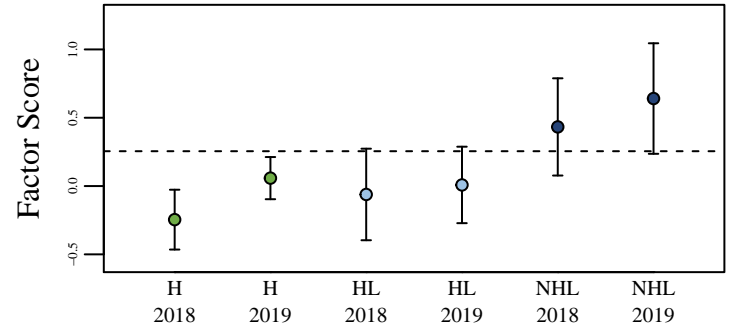


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

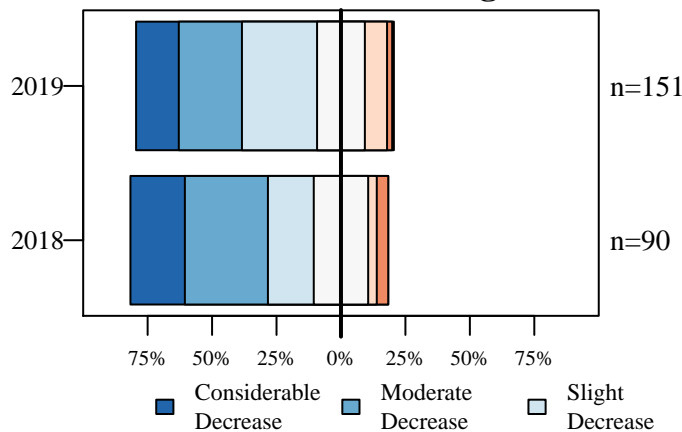


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

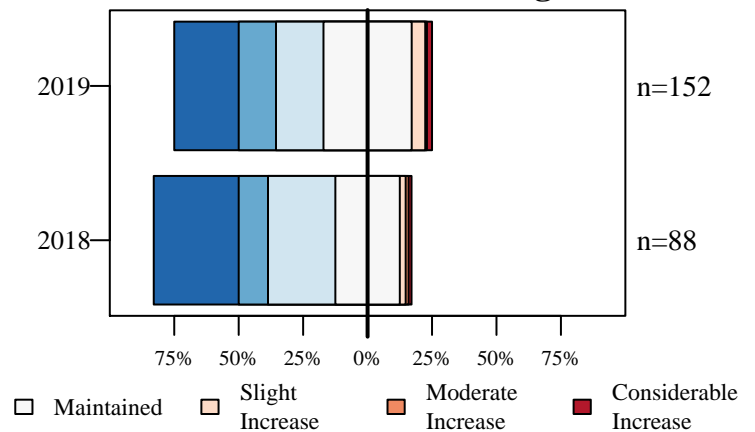


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

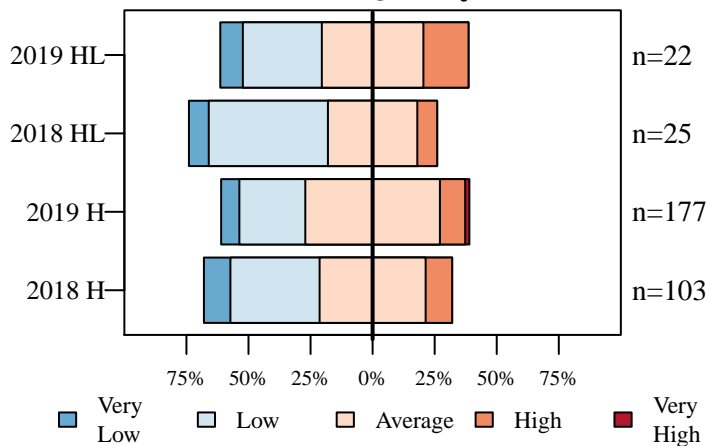


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

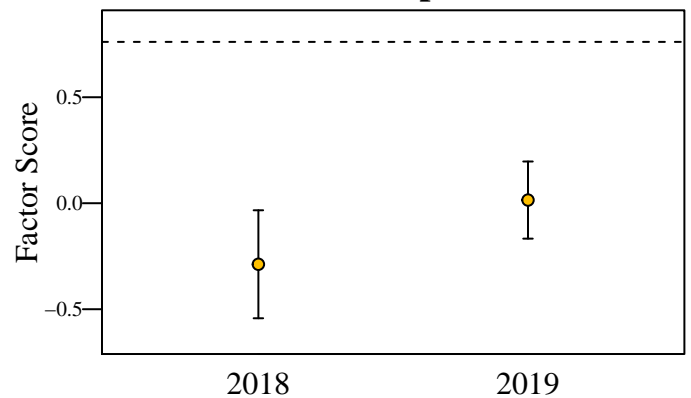


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Cass County

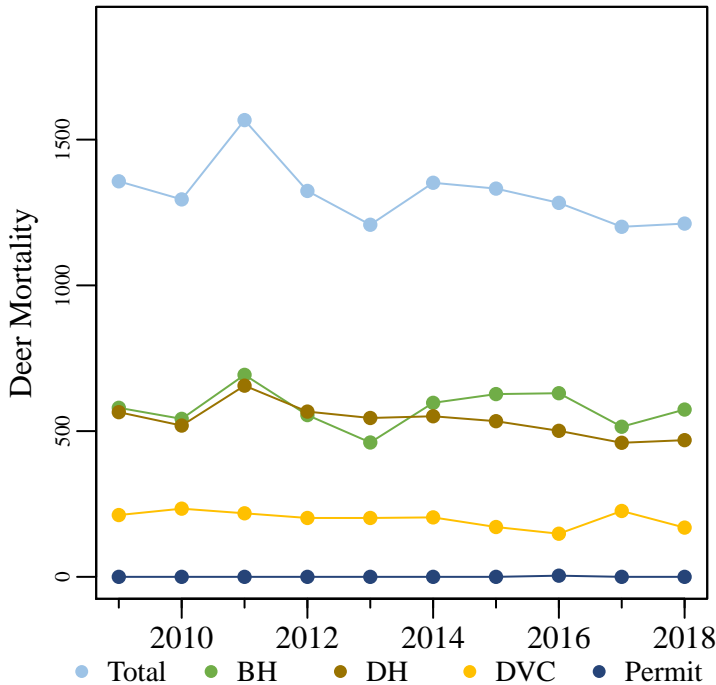
6/26/2019

Total Square Miles: 415  
 Square Miles of Deer Habitat: 68  
 Percent Deer Habitat: 16

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,263		661		9.72	602		8.85	47.66		254		2
2006	1,353		694		10.21	659		9.69	48.71		299		2
2007	1,549		853		12.54	696		10.24	44.93		230		2
2008	1,235		587		8.63	648		9.53	52.47		235		3
2009	1,145		580		8.53	565		8.31	49.34		212		3
2010	1,061	-1.62	542	-1.20	7.97	519	-2.25	7.63	48.92		234	-0.36	4
2011	1,349	0.42	693	0.33	10.19	656	0.53	9.65	48.63		218	-0.72	4
2012	1,122	-0.77	555	-0.76	8.16	567	-0.69	8.34	50.53		202	-2.32	4
2013	1,006	-1.57	461	-2.19	6.78	545	-0.78	8.01	54.17		202	-1.28	4
2014	1,148	0.09	597	0.37	8.78	551	-0.38	8.10	48.00		204	-0.72	3
2015	1,161	0.18	627	0.68	9.22	534	-0.64	7.85	45.99		171	-2.93	3
2016	1,131	-0.21	630	0.50	9.26	501	-1.41	7.37	44.30	4	148	-2.98	3
2017	975	-2.24	515	-0.84	7.57	460	-3.23	6.76	47.18	0	226	1.35	2
2018	1,043	-0.47	574	0.11	8.44	469	-1.30	6.90	44.97	0	169	-0.99	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

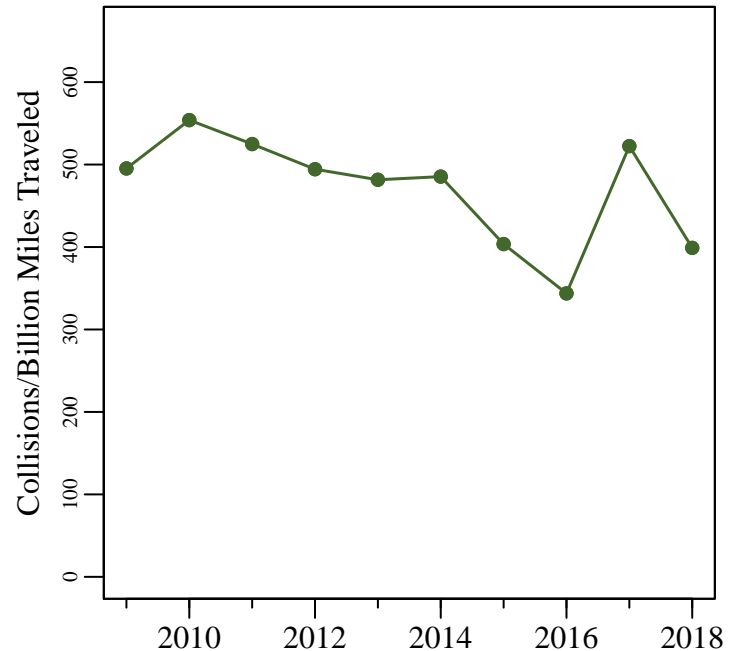


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Cass County

6/26/2019

Total Square Miles: 415  
 Square Miles of Deer Habitat: 68  
 Percent Deer Habitat: 16

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	897	389	505	3	0	375	412	96	10	4	0	0	0	0	0	0
2016	864	350	511	3	0	382	372	92	15	2	1	0	0	0	0	0
2017	767	345	420	2	0	320	355	81	10	1	0	0	0	0	0	0
2018	816	326	489	1	0	355	378	75	8	0	0	0	0	0	0	0

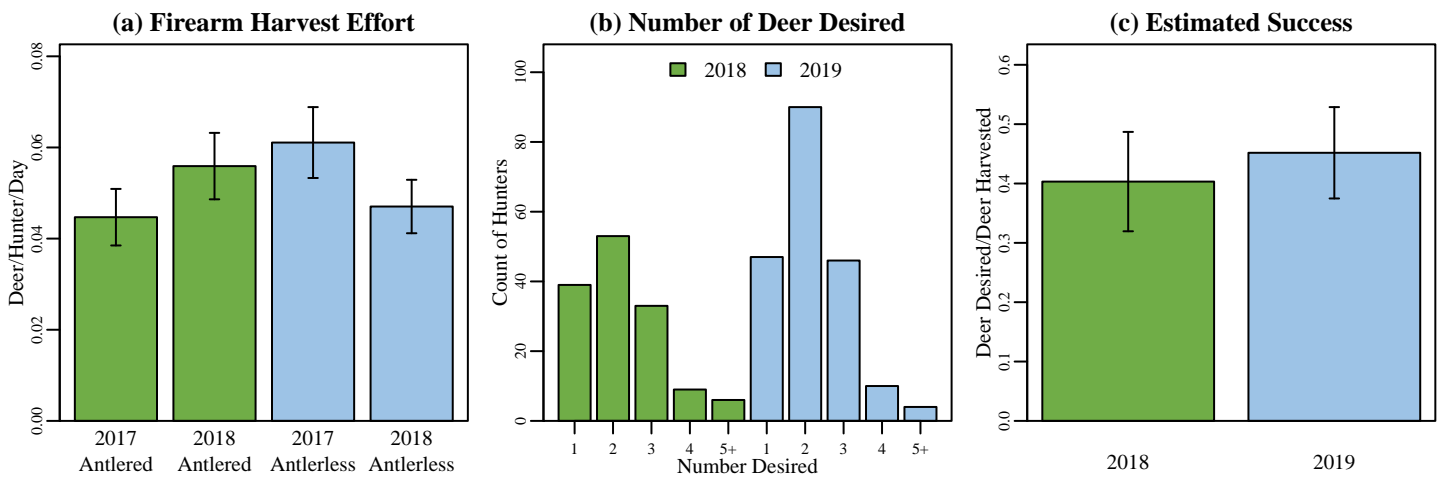
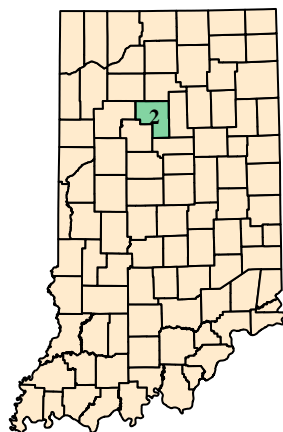


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Cass County Map



## (b) Deer Habitat in Cass County

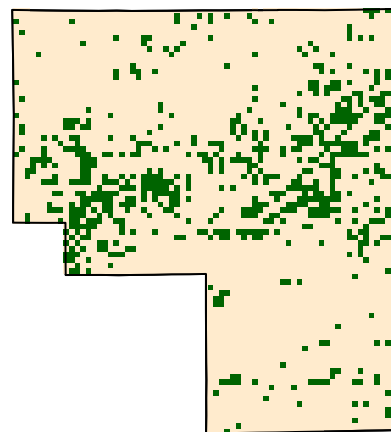


Figure 3. (a) Cass County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Cass County.

# Cass County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

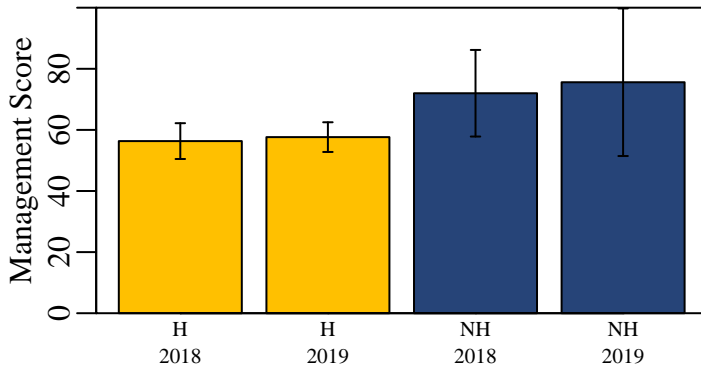


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

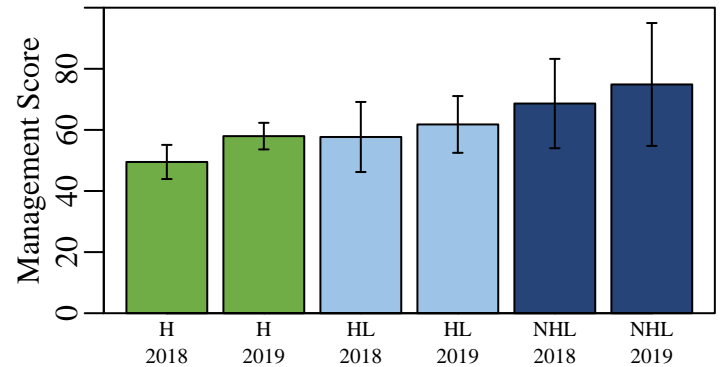


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

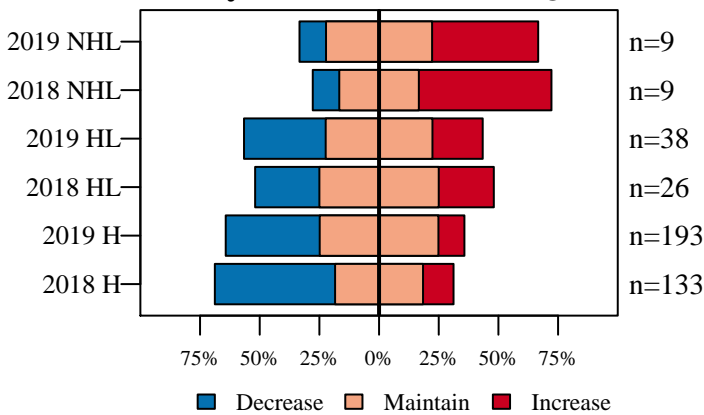


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

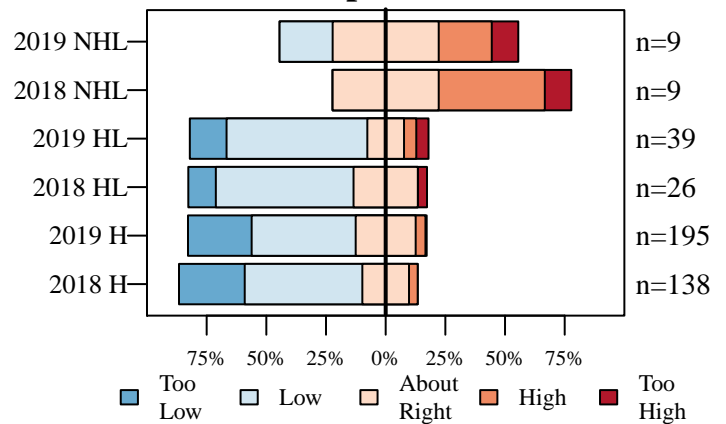


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

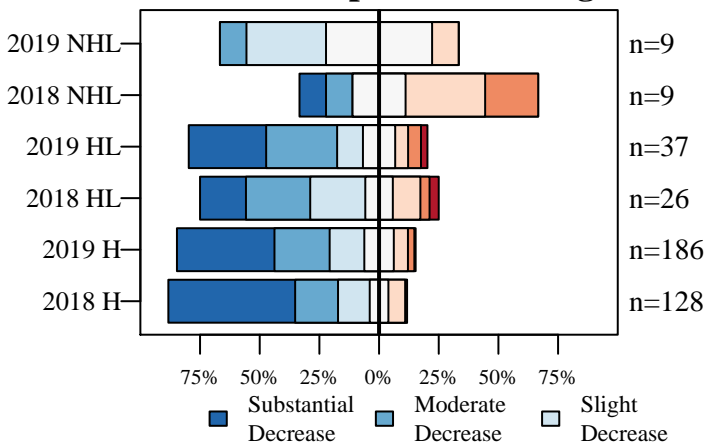


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

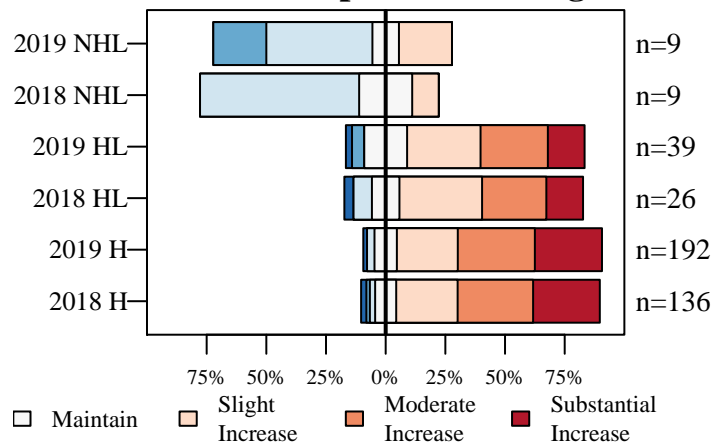


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Cass County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

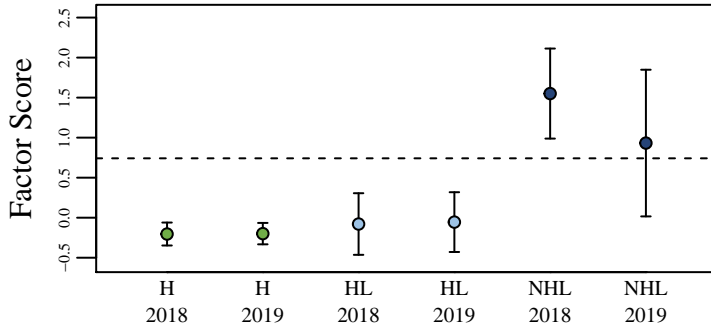


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

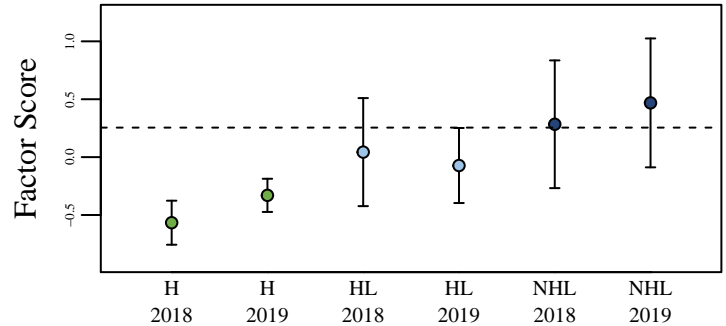


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

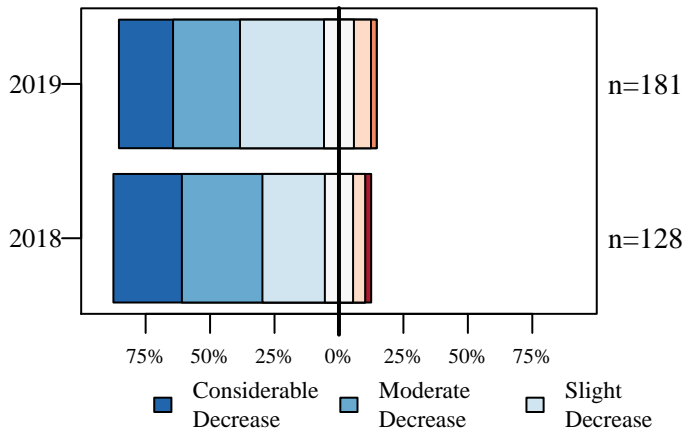


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

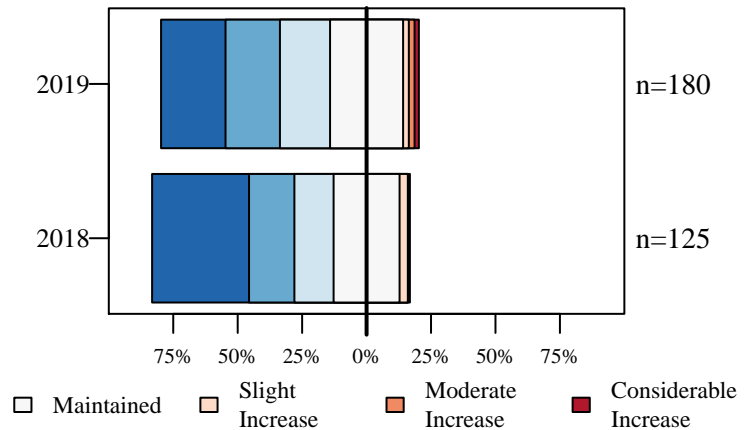


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

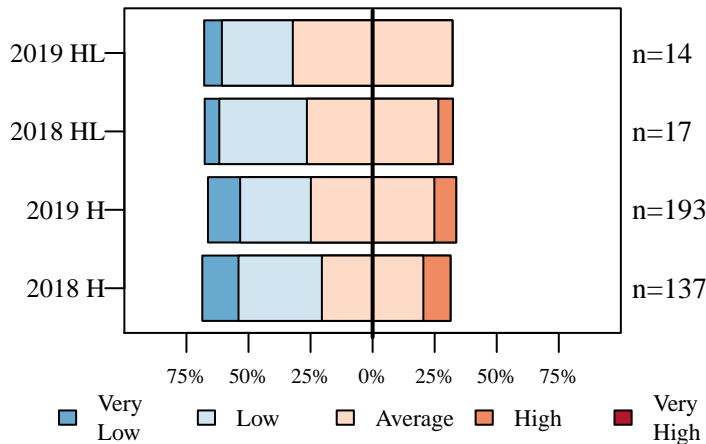


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

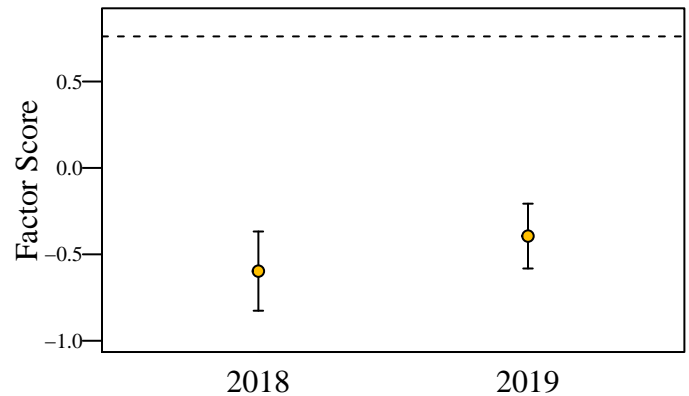


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Clark County

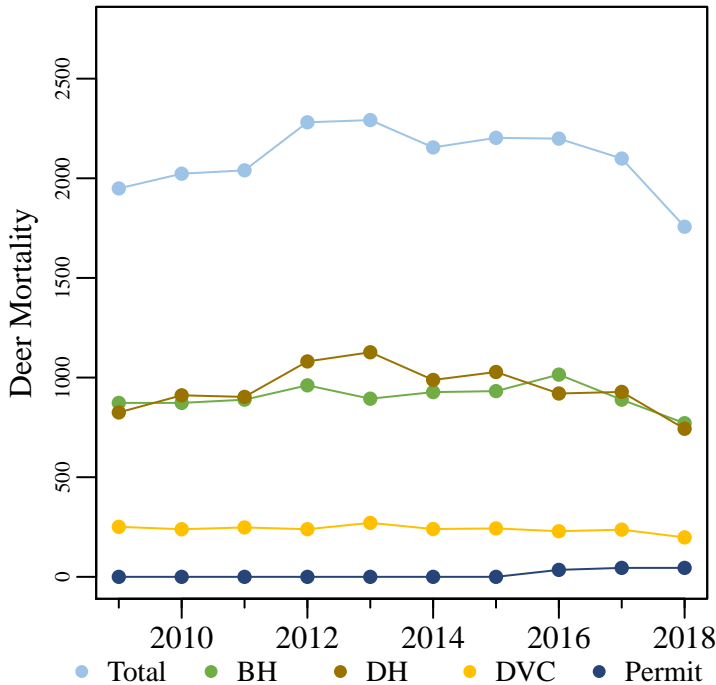
6/26/2019

Total Square Miles: 376  
 Square Miles of Deer Habitat: 255  
 Percent Deer Habitat: 68

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,951		1,047		4.11	904		3.55	46.34		245		8
2006	1,954		989		3.88	965		3.78	49.39		264		8
2007	1,728		861		3.38	867		3.40	50.17		251		8
2008	1,827		881		3.45	946		3.71	51.78		248		8
2009	1,698		873		3.42	825		3.24	48.59		251		8
2010	1,784	-0.40	873	-0.69	3.42	911	0.17	3.57	51.07		239	-1.76	8
2011	1,792	-0.06	889	-0.12	3.49	903	0.00	3.54	50.39		248	-0.29	8
2012	2,042	5.32	961	8.21	3.77	1,081	4.13	4.24	52.94		239	-1.70	8
2013	2,021	1.50	894	-0.04	3.51	1,127	2.07	4.42	55.76		271	4.63	8
2014	1,915	0.31	927	0.80	3.64	988	0.14	3.87	51.59		240	-0.73	8
2015	1,960	0.40	932	0.66	3.65	1,028	0.26	4.03	52.45		243	-0.32	8
2016	1,935	-0.11	1,015	3.19	3.98	920	-1.22	3.61	47.55	35	229	-1.45	8
2017	1,817	-2.87	889	-1.25	3.49	928	-1.25	3.64	51.07	45	237	-0.56	4
2018	1,514	-5.58	771	-3.18	3.02	743	-3.02	2.91	49.08	45	198	-3.45	8

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

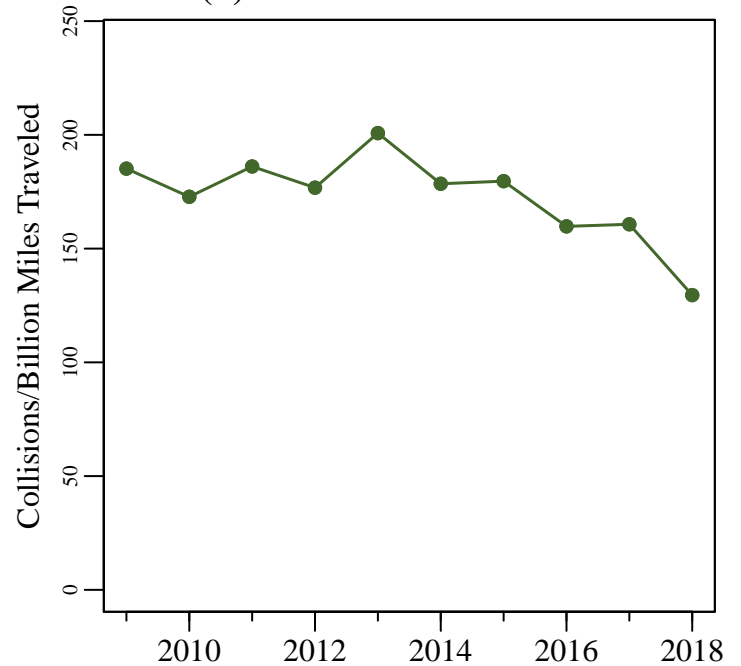


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Clark County

6/26/2019

Total Square Miles: 376  
 Square Miles of Deer Habitat: 255  
 Percent Deer Habitat: 68

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,392	649	740	3	0	554	580	195	36	8	13	3	3	0	0	0
2016	1,369	548	811	10	0	575	575	166	30	14	4	4	1	0	0	0
2017	1,294	590	695	9	0	497	564	177	42	11	2	1	0	0	0	0
2018	1,086	485	597	4	0	443	458	138	26	12	6	2	1	0	0	0

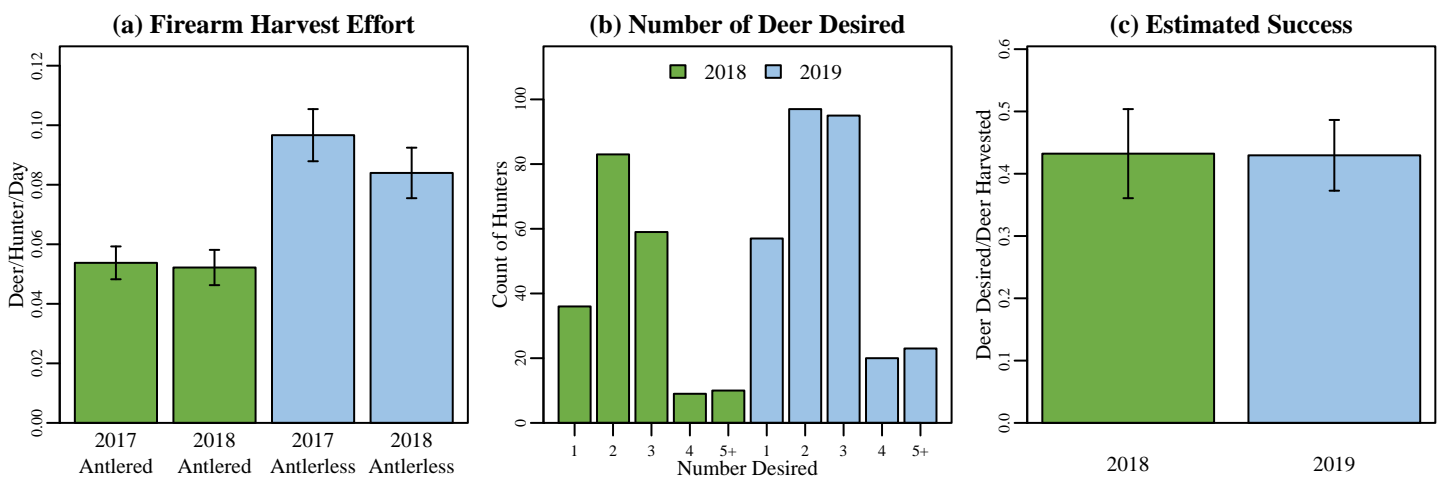
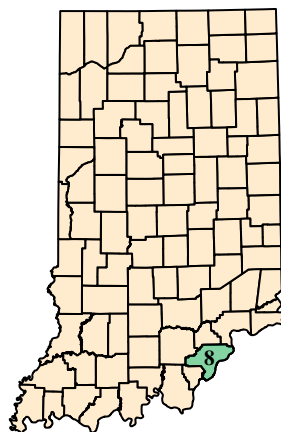


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Clark County Map



## (b) Deer Habitat in Clark County

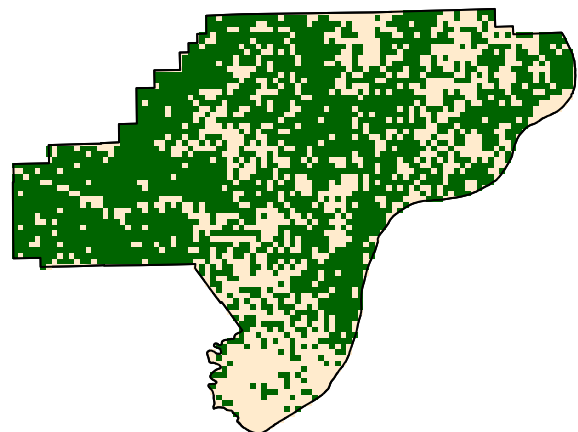


Figure 3. (a) Clark County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Clark County.

# Clark County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

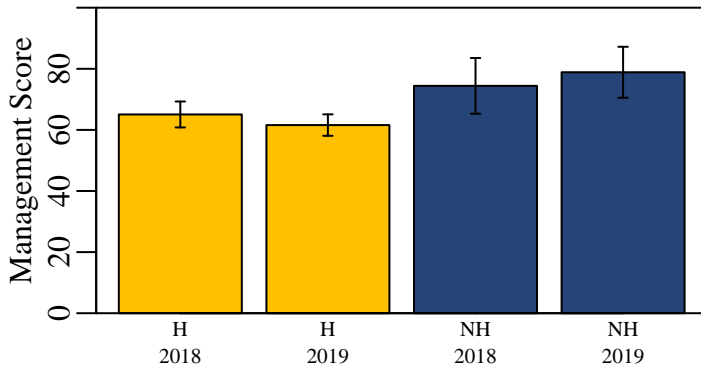


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

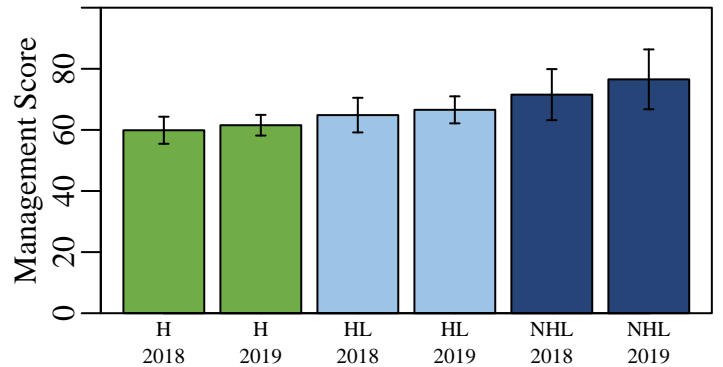


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

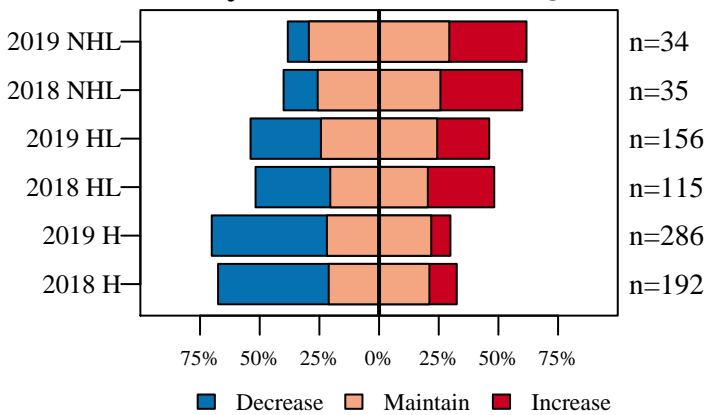


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

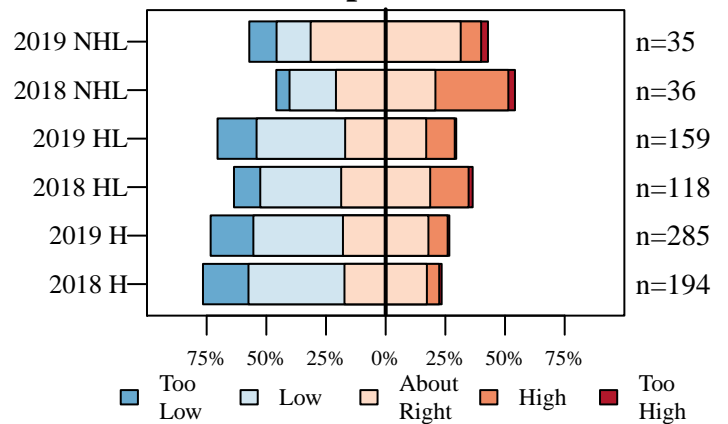


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

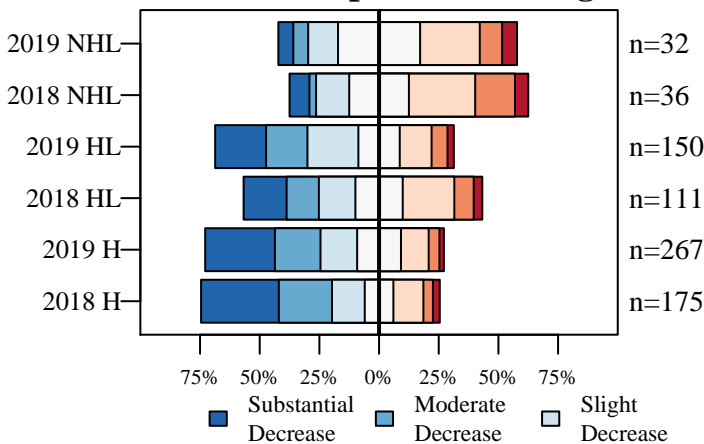


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

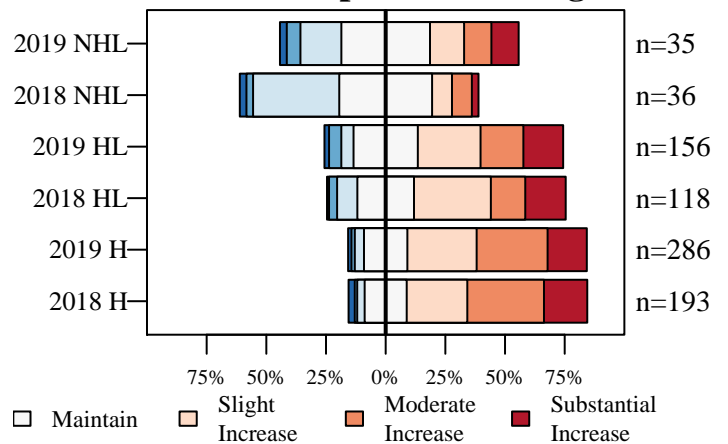


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Clark County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

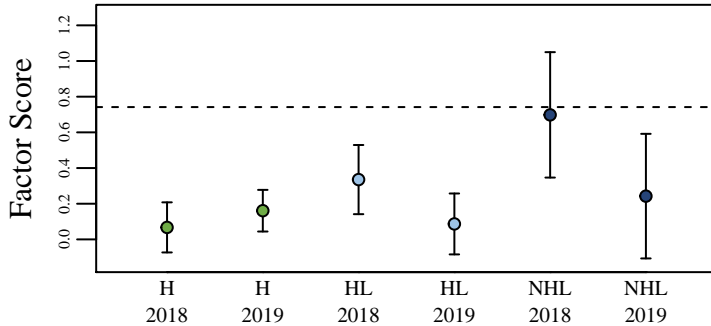


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

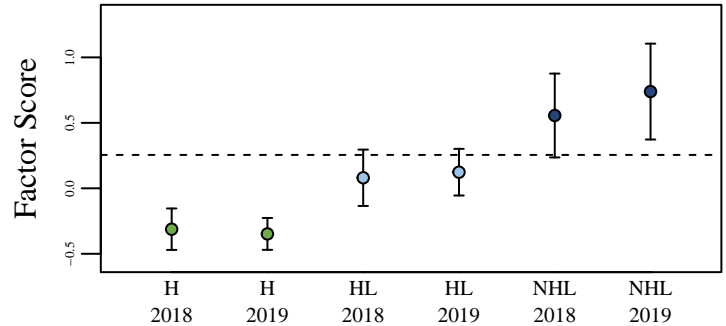


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

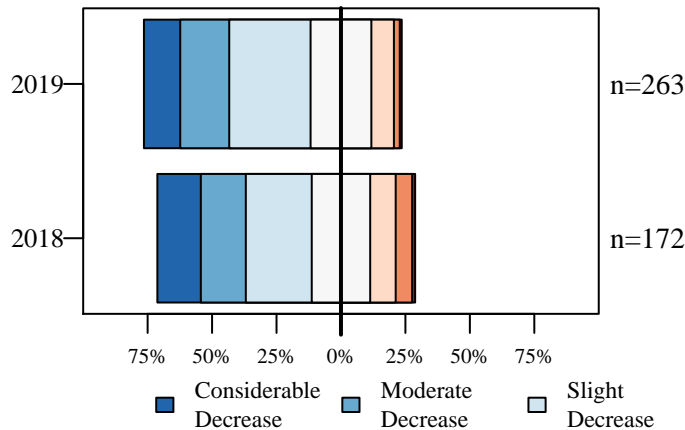


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

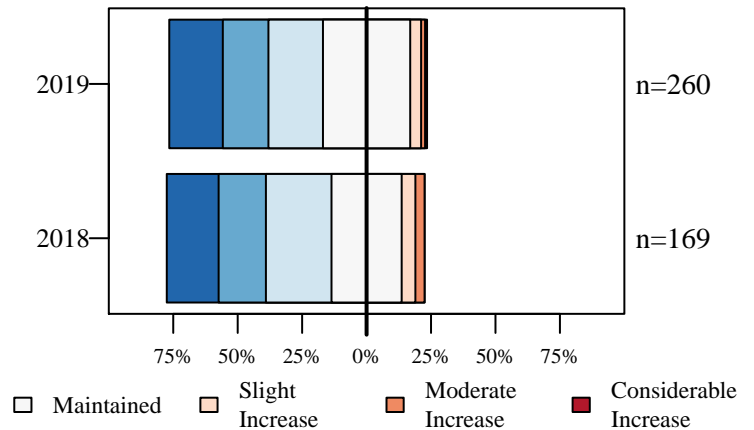


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

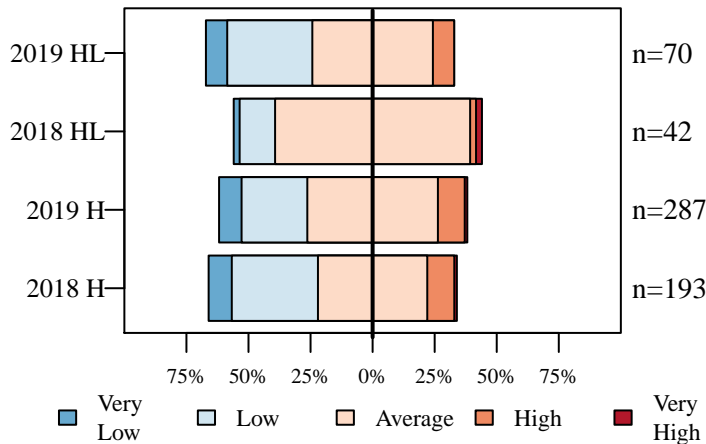


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

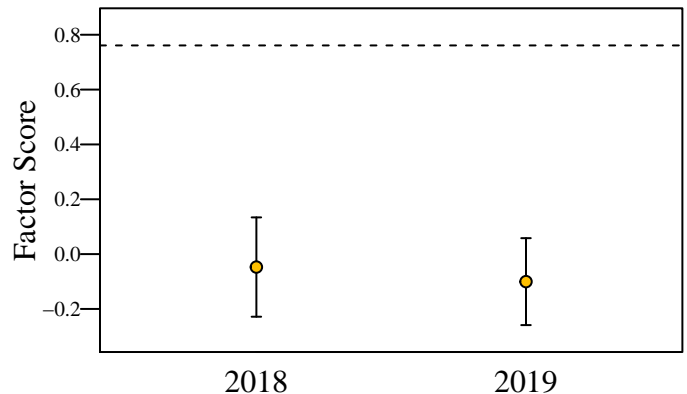


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Clay County

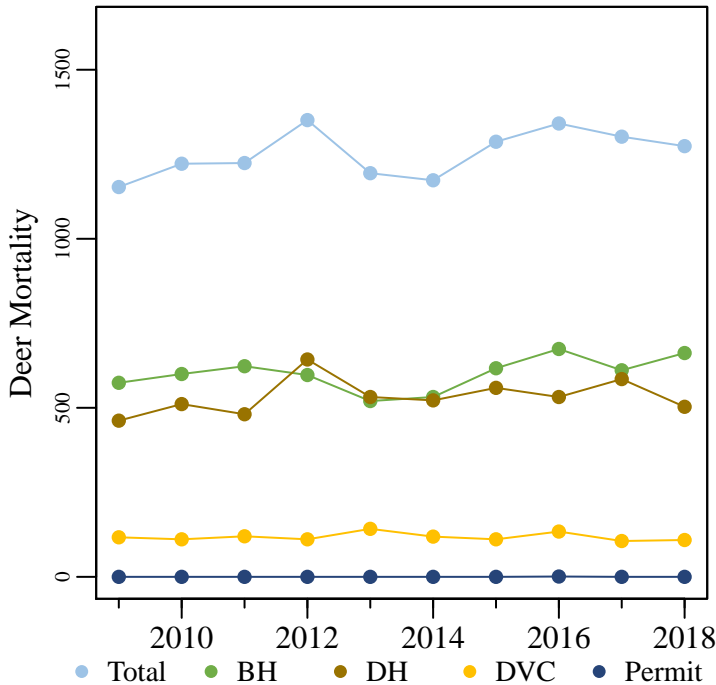
6/26/2019

Total Square Miles: 360  
 Square Miles of Deer Habitat: 134  
 Percent Deer Habitat: 37

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,360		721		5.38	639		4.77	46.99		119		8
2006	1,193		539		4.02	654		4.88	54.82		127		8
2007	1,108		598		4.46	510		3.81	46.03		128		4
2008	986		538		4.01	448		3.34	45.44		111		4
2009	1,036		574		4.28	462		3.45	44.59		117		4
2010	1,111	-0.17	600	0.08	4.48	511	-0.32	3.81	45.99		111	-1.32	4
2011	1,104	0.22	623	1.75	4.65	481	-0.44	3.59	43.57		120	0.14	4
2012	1,240	3.06	597	0.32	4.46	643	5.69	4.80	51.85		111	-0.90	8
2013	1,052	-0.45	520	-2.07	3.88	532	0.29	3.97	50.57		142	6.60	4
2014	1,054	-0.68	532	-1.30	3.97	522	-0.05	3.90	49.53		119	-0.09	4
2015	1,176	0.83	617	0.94	4.60	559	0.34	4.17	47.53		111	-0.76	4
2016	1,206	0.99	674	1.99	5.03	532	-0.26	3.97	44.11	1	134	1.06	4
2017	1,196	0.58	611	0.36	4.56	585	0.55	4.37	48.91	0	106	-1.34	4
2018	1,165	0.36	662	1.11	4.94	503	-1.67	3.75	43.18	0	109	-0.87	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

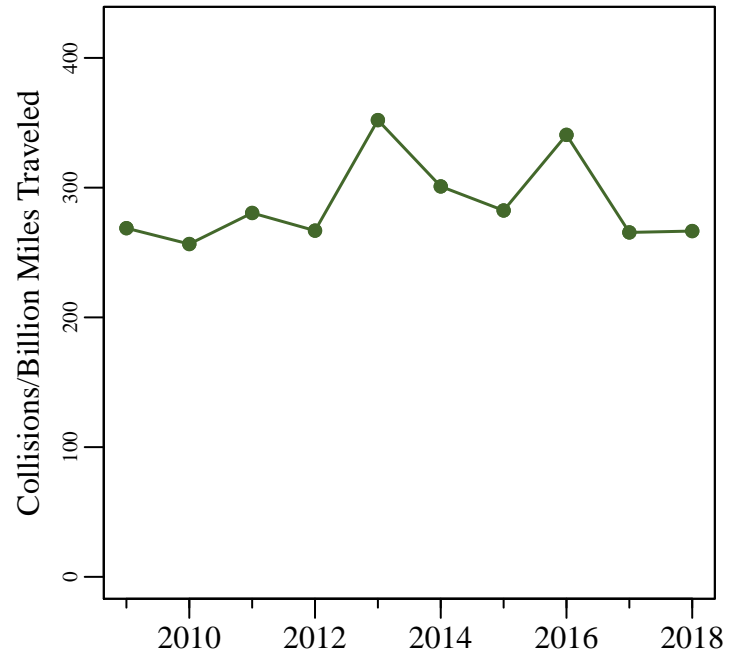


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Clay County

6/26/2019

Total Square Miles: 360  
 Square Miles of Deer Habitat: 134  
 Percent Deer Habitat: 37

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	916	428	486	2	0	383	407	102	21	3	0	0	0	0	0	0
2016	967	427	539	1	0	430	428	92	15	2	0	0	0	0	0	0
2017	910	424	484	2	0	382	382	120	18	8	0	0	0	0	0	0
2018	909	368	540	1	0	415	381	98	14	1	0	0	0	0	0	0

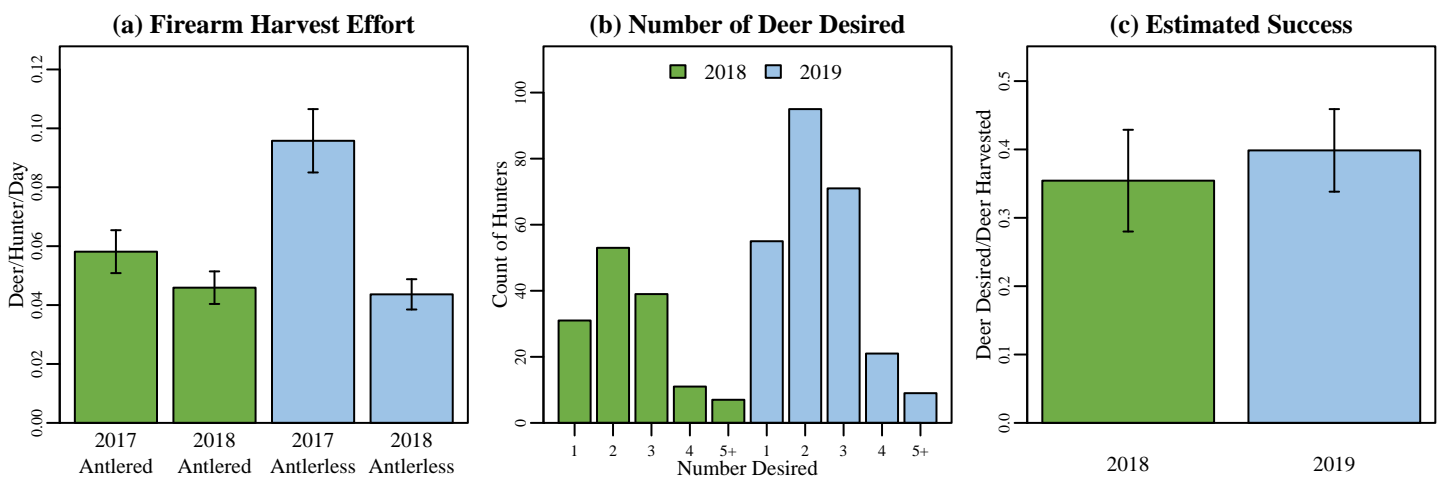
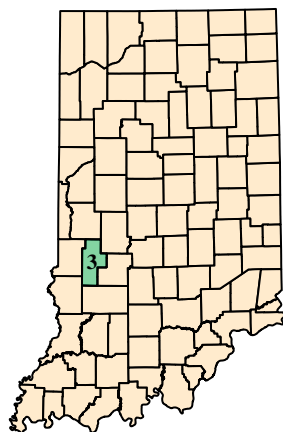


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Clay County Map



## (b) Deer Habitat in Clay County

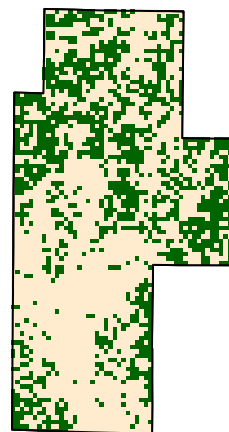


Figure 3. (a) Clay County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Clay County.

# Clay County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

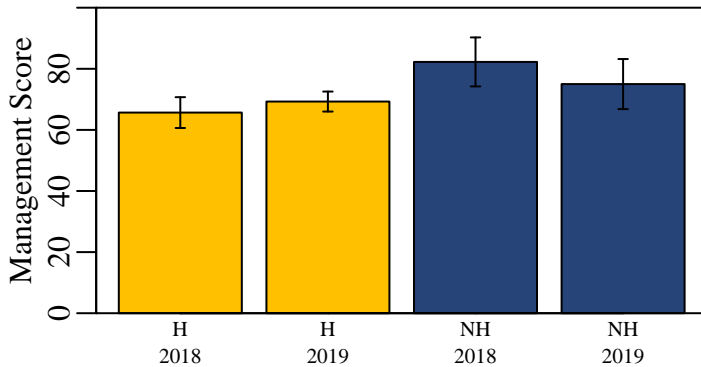


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

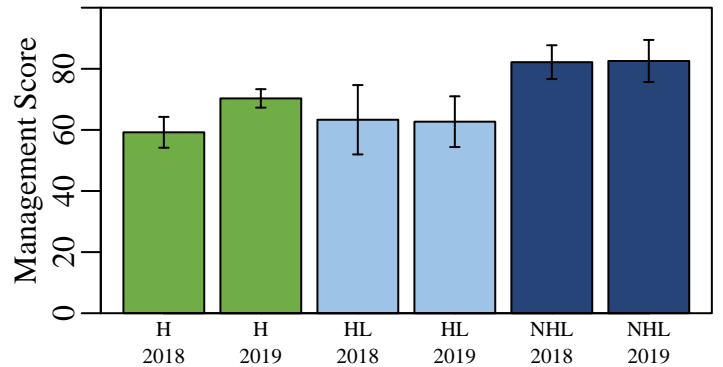


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

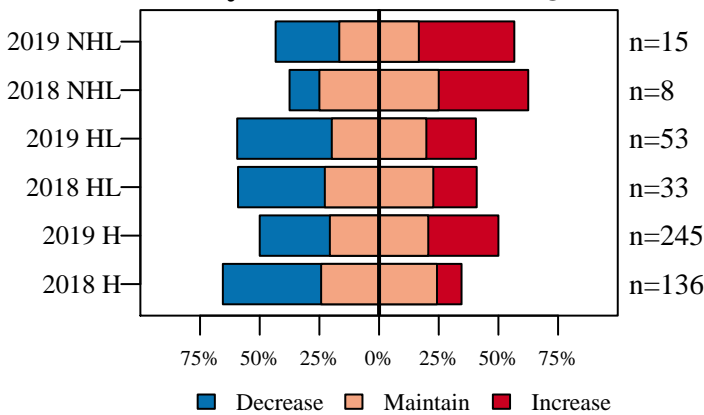


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

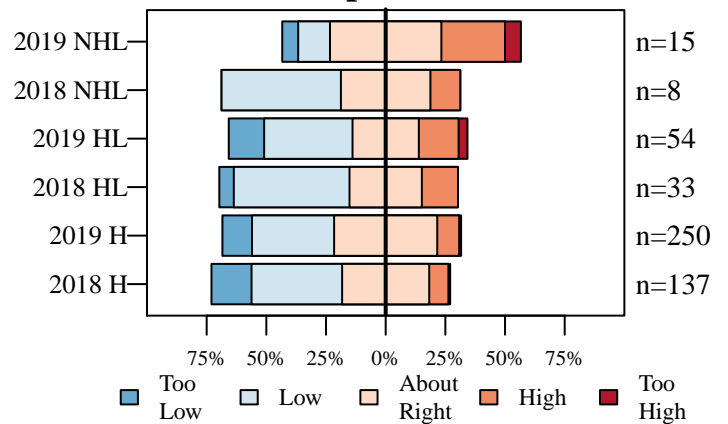


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

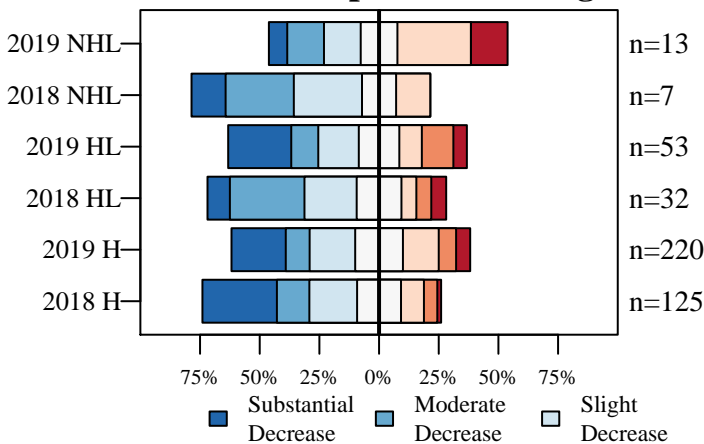


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

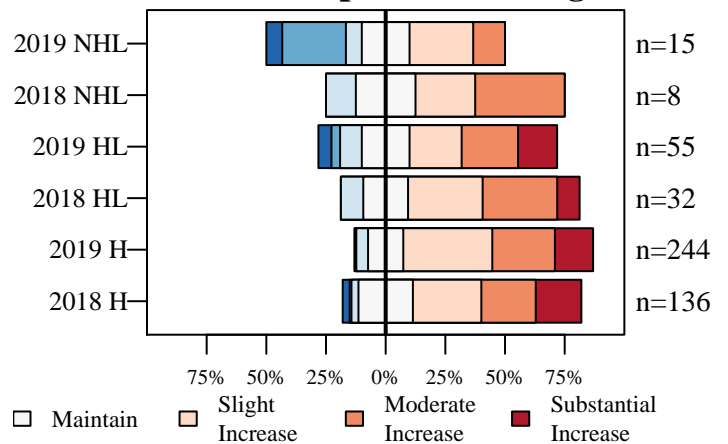


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Clay County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

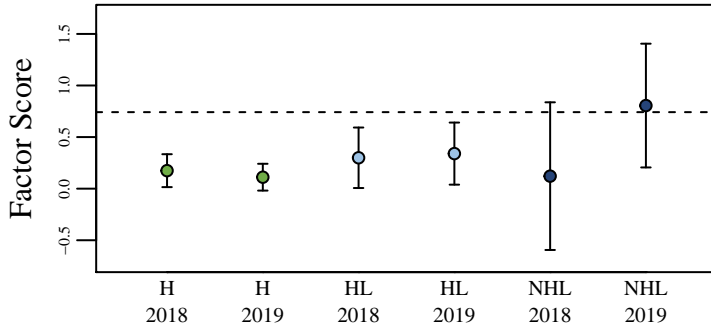


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

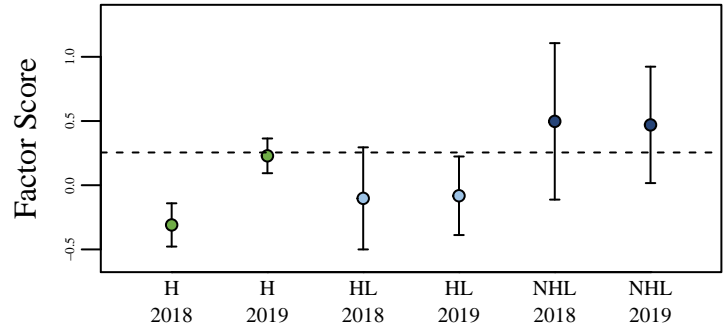


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

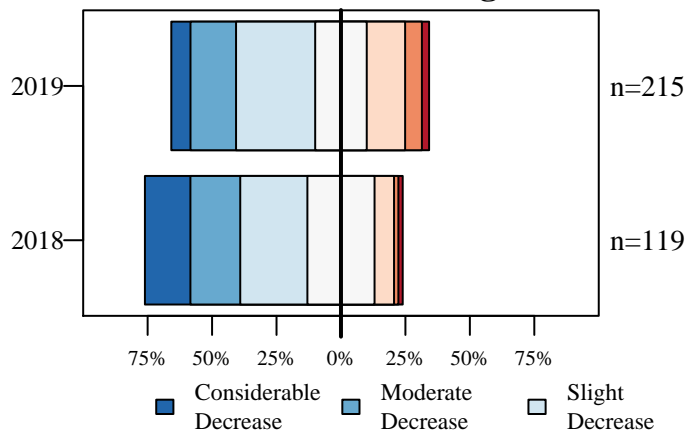


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

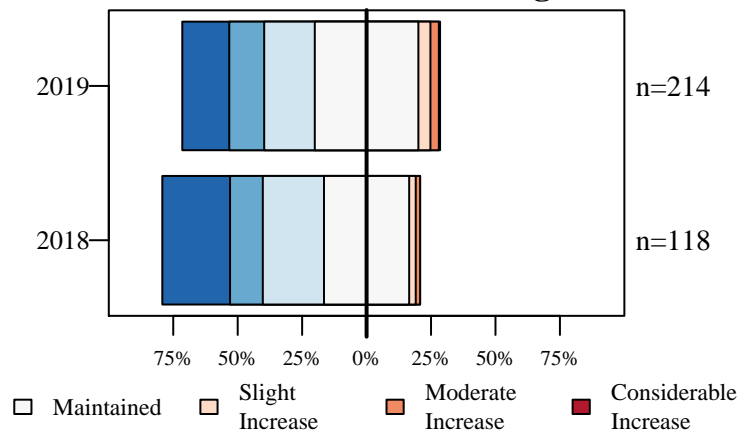


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

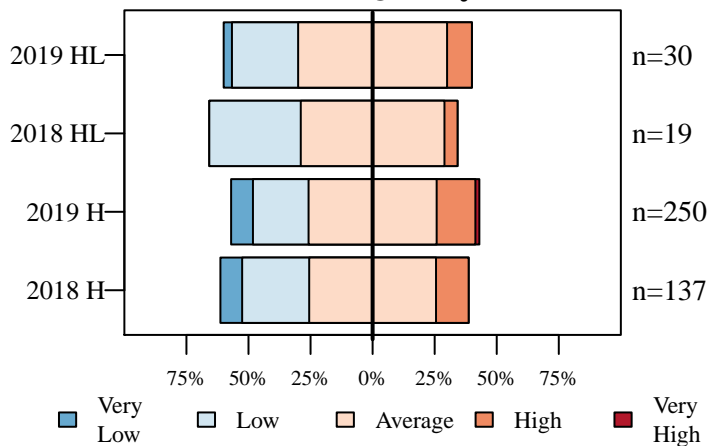


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

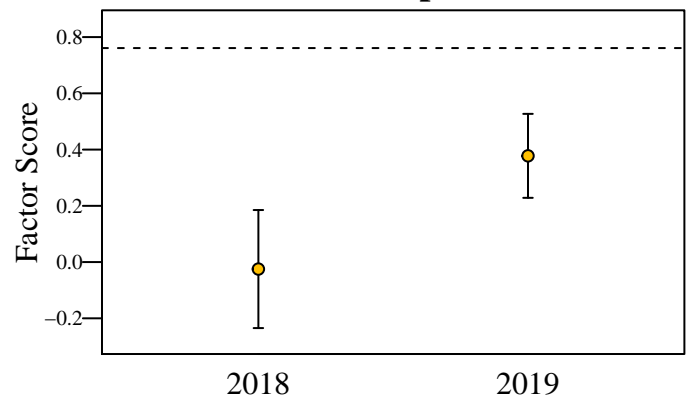


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Clinton County

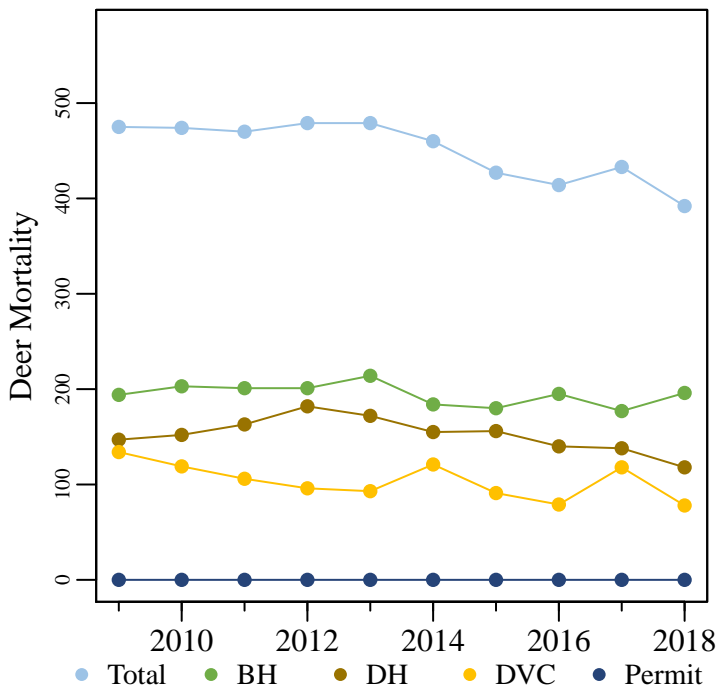
6/26/2019

Total Square Miles: 405  
 Square Miles of Deer Habitat: 26  
 Percent Deer Habitat: 6

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	311		198		7.62	113		4.35	36.33		129		1
2006	328		174		6.69	154		5.92	46.95		126		2
2007	355		206		7.92	149		5.73	41.97		128		2
2008	344		190		7.31	154		5.92	44.77		101		2
2009	341		194		7.46	147		5.65	43.11		134		2
2010	355	1.14	203	0.89	7.81	152	0.50	5.85	42.82		119	-0.35	2
2011	364	1.73	201	0.60	7.73	163	3.79	6.27	44.78		106	-1.23	2
2012	383	3.35	201	0.33	7.73	182	4.67	7.00	47.52		96	-1.54	2
2013	386	1.68	214	2.92	8.23	172	0.90	6.62	44.56		93	-1.19	2
2014	339	-1.41	184	-2.57	7.08	155	-0.57	5.96	45.72		121	0.67	2
2015	336	-1.50	180	-1.92	6.92	156	-0.71	6.00	46.43		91	-1.25	2
2016	335	-1.13	195	-0.07	7.50	140	-2.24	5.38	41.79	0	79	-1.81	2
2017	315	-1.55	177	-1.31	6.81	138	-1.41	5.31	43.81	0	118	1.42	2
2018	314	-1.07	196	0.40	7.54	118	-2.47	4.54	37.58	0	78	-1.49	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

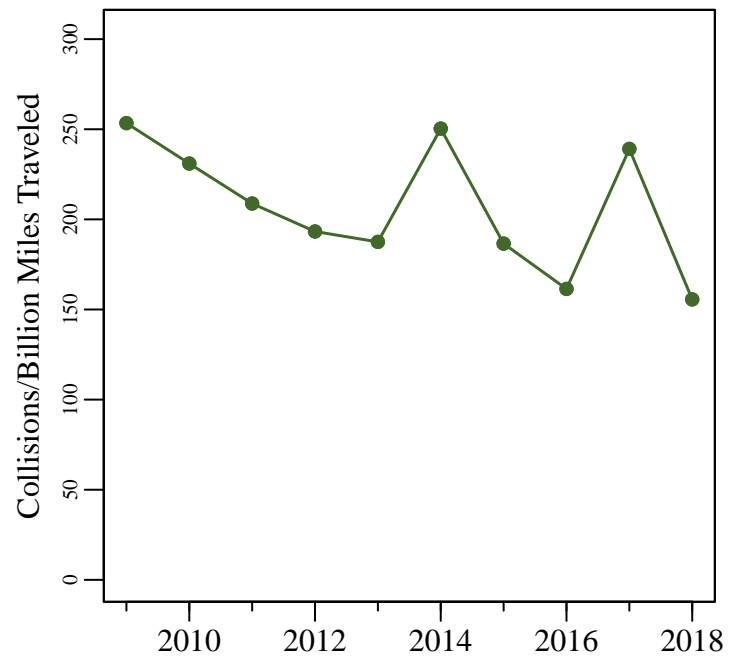


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Clinton County

6/26/2019

Total Square Miles: 405  
 Square Miles of Deer Habitat: 26  
 Percent Deer Habitat: 6

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	283	132	150	1	0	125	133	24	1	0	0	0	0	0	0	0
2016	279	117	161	1	0	135	120	20	4	0	0	0	0	0	0	0
2017	256	114	141	1	0	108	124	24	0	0	0	0	0	0	0	0
2018	258	90	168	0	0	135	105	14	3	1	0	0	0	0	0	0

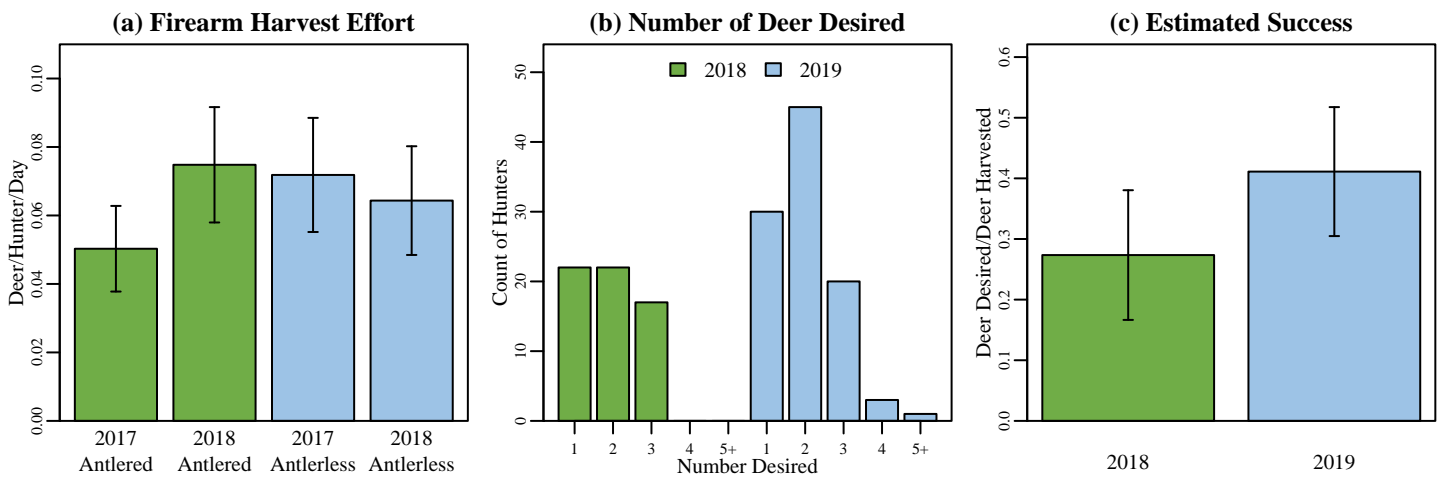
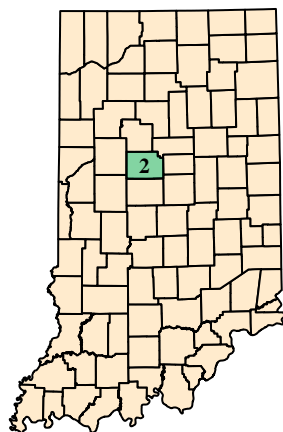


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Clinton County Map



## (b) Deer Habitat in Clinton County

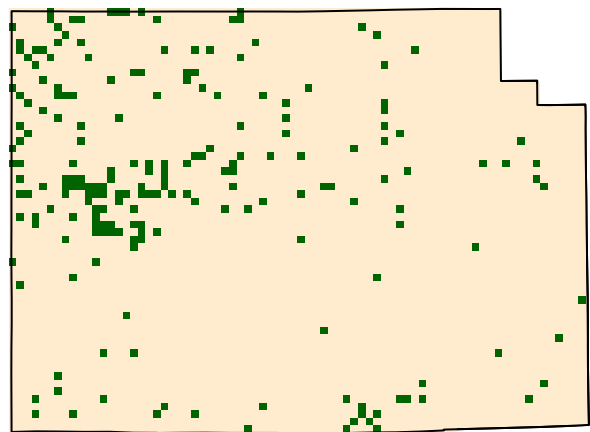


Figure 3. (a) Clinton County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Clinton County.

# Clinton County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

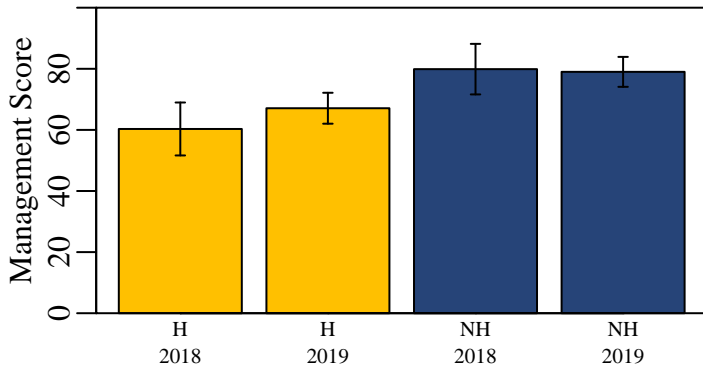


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

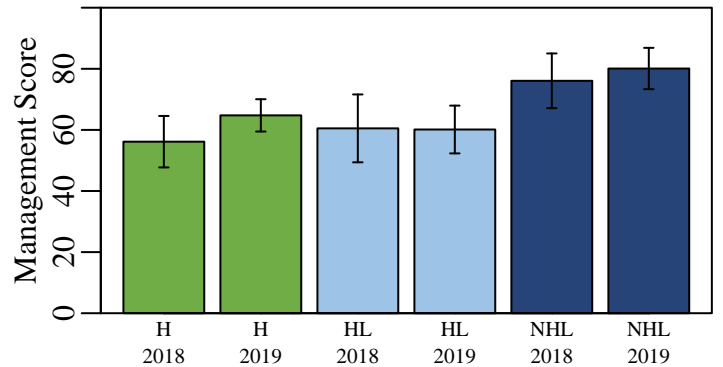


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

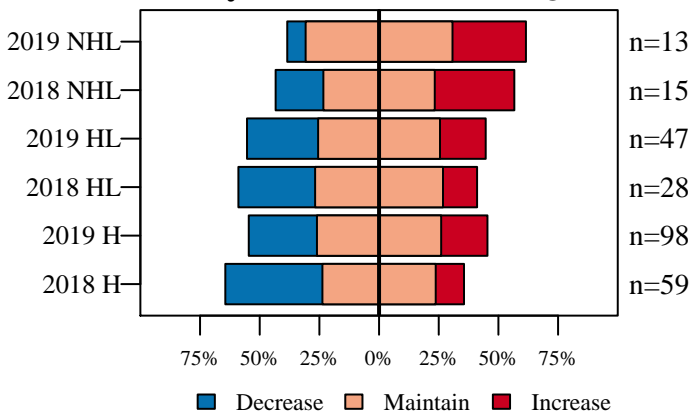


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

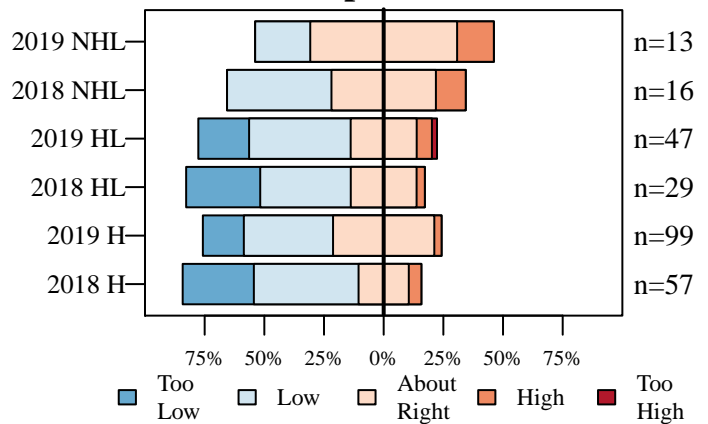


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

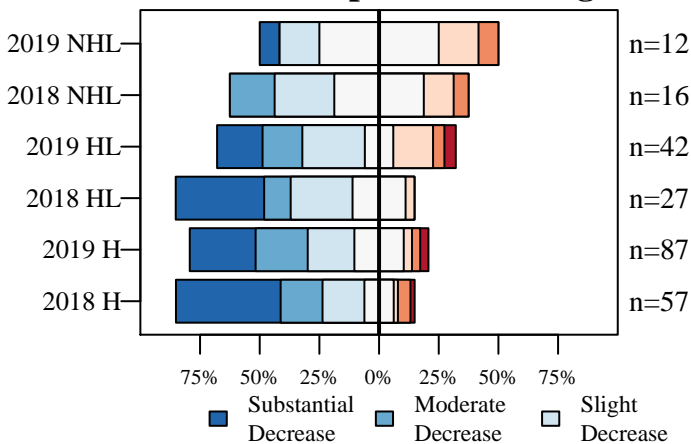


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

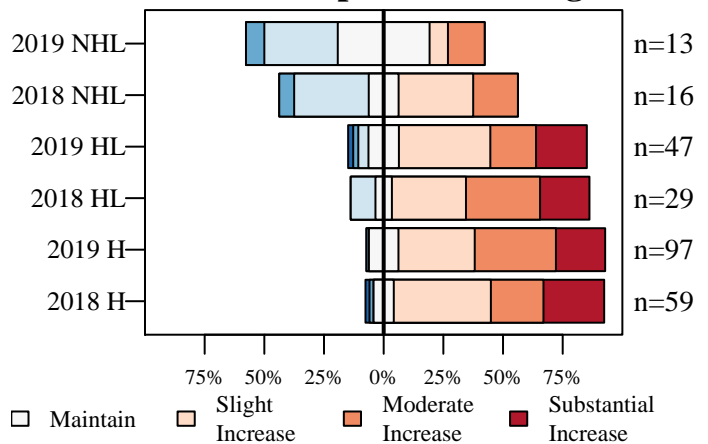


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Clinton County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

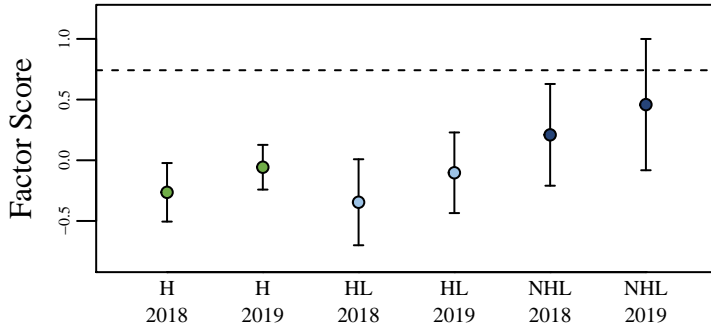


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

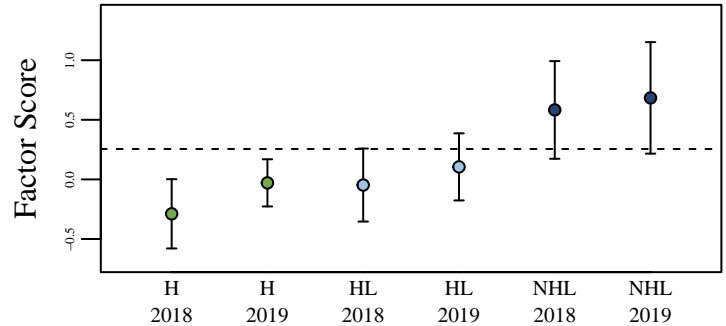


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

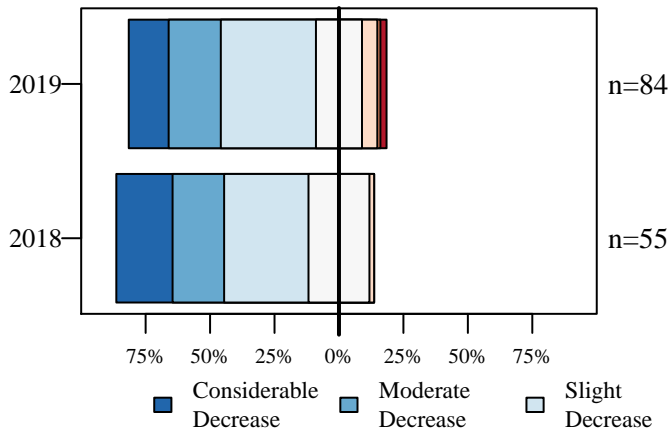


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

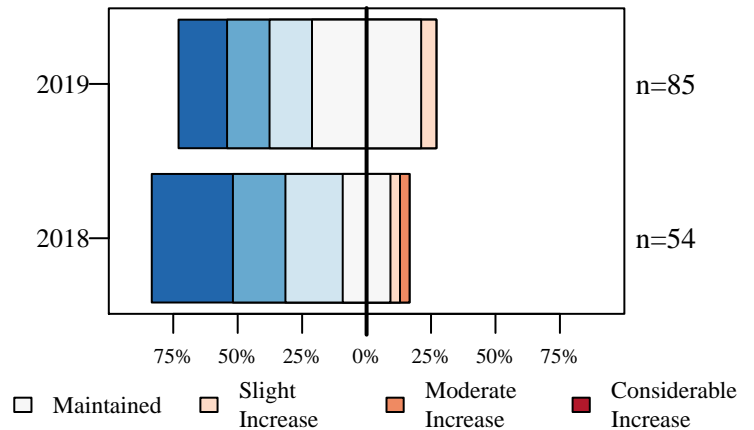


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

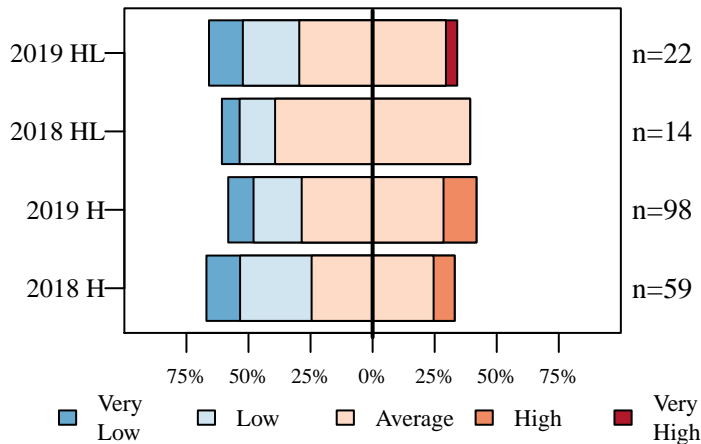


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

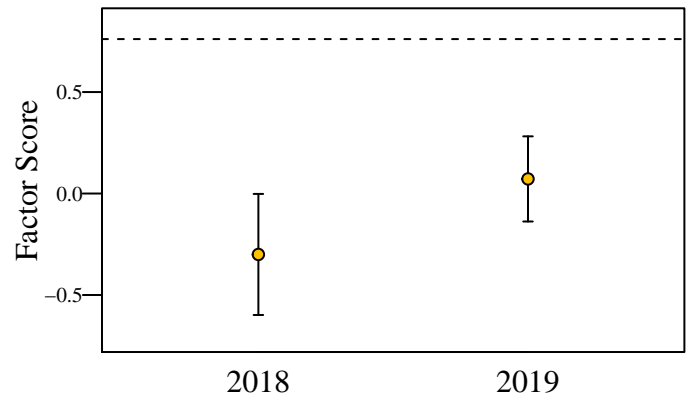


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Crawford County

6/26/2019

Total Square Miles: 309  
 Square Miles of Deer Habitat: 284  
 Percent Deer Habitat: 91

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,605		818		2.88	787		2.77	49.03		84		2
2006	1,650		905		3.19	745		2.62	45.15		120		2
2007	1,471		742		2.61	729		2.57	49.56		107		4
2008	1,739		855		3.01	884		3.11	50.83		92		4
2009	1,790		923		3.25	867		3.05	48.44		100		4
2010	1,680	0.23	784	-0.89	2.76	896	1.33	3.15	53.33		74	-1.92	8
2011	1,925	2.13	926	1.09	3.26	999	2.17	3.52	51.90		81	-1.03	8
2012	2,169	2.69	982	1.65	3.46	1,187	3.23	4.18	54.73		73	-1.32	8
2013	2,348	2.50	1,062	2.20	3.74	1,286	2.39	4.53	54.77		79	-0.43	8
2014	2,174	0.70	964	0.28	3.39	1,210	0.89	4.26	55.66		75	-0.59	8
2015	2,370	1.20	1,185	2.36	4.17	1,185	0.43	4.17	50.00		118	12.11	8
2016	2,035	-0.91	1,057	0.32	3.72	978	-1.85	3.44	48.06	5	104	1.01	8
2017	2,241	0.16	1,122	0.83	3.95	1,119	-0.44	3.94	49.93	1	125	2.00	8
2018	1,878	-2.60	937	-1.71	3.30	941	-1.85	3.31	50.11	11	120	1.22	4

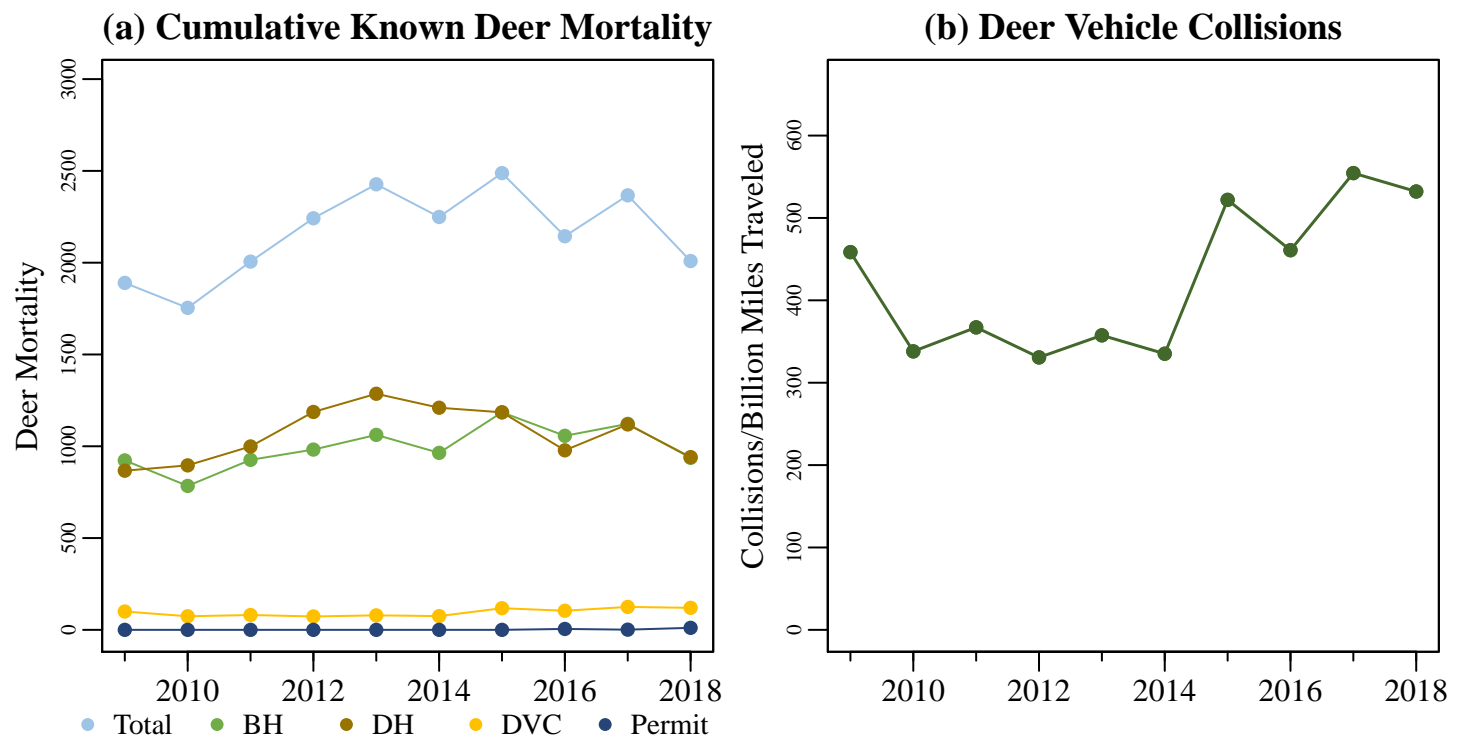


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Crawford County

6/26/2019

Total Square Miles: 309  
 Square Miles of Deer Habitat: 284  
 Percent Deer Habitat: 91

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,700	769	927	4	0	673	746	196	57	16	10	2	0	0	0	0
2016	1,514	663	846	5	0	640	666	146	39	16	4	2	0	1	0	0
2017	1,574	692	877	5	0	613	684	202	47	19	7	1	0	1	0	0
2018	1,413	653	760	0	0	558	642	170	36	7	0	0	0	0	0	0

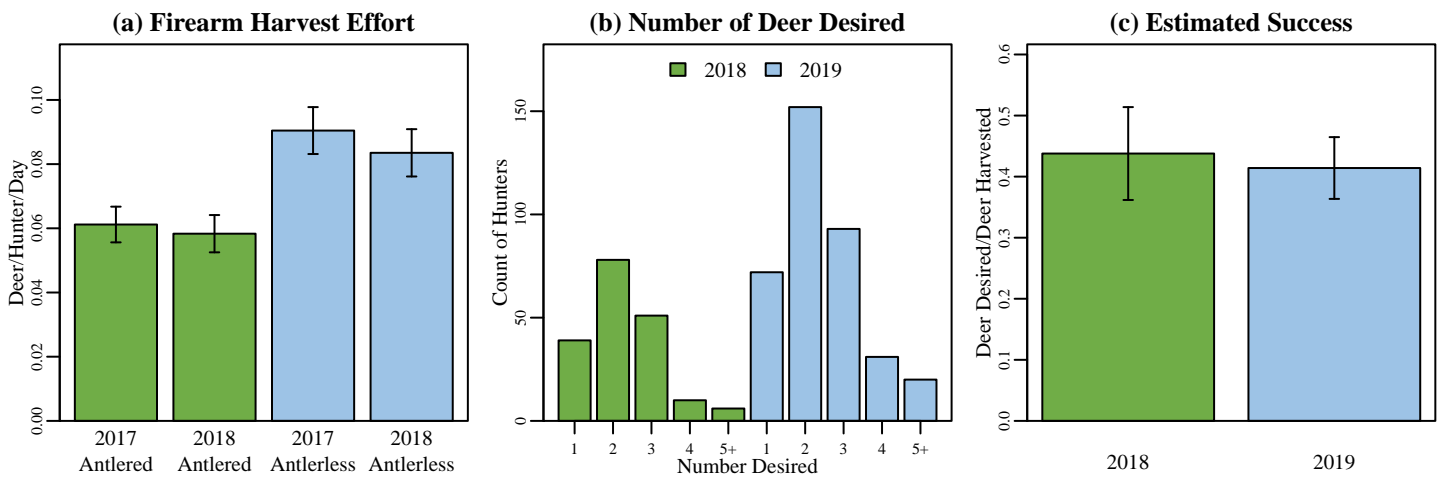
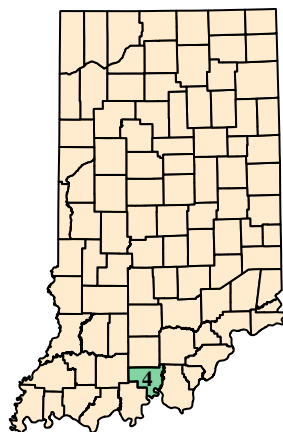


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Crawford County Map



## (b) Deer Habitat in Crawford County

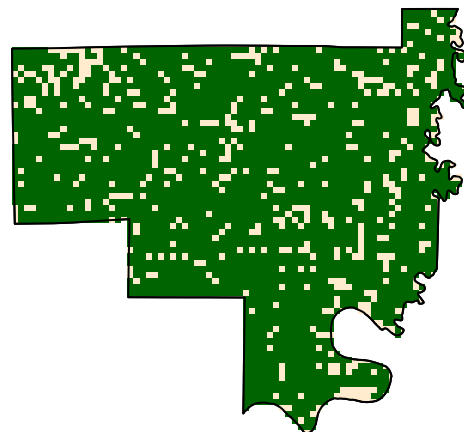


Figure 3. (a) Crawford County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Crawford County.

# Crawford County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

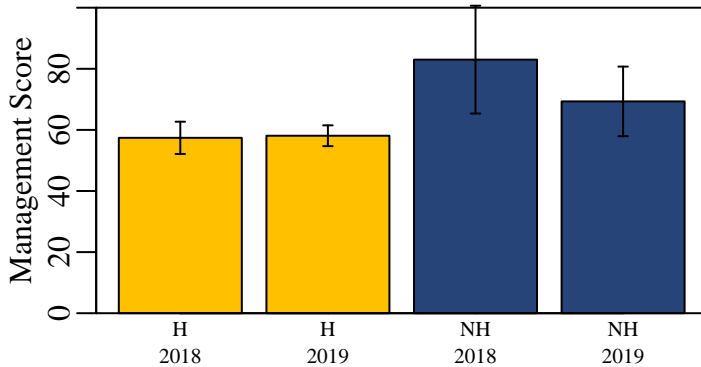


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

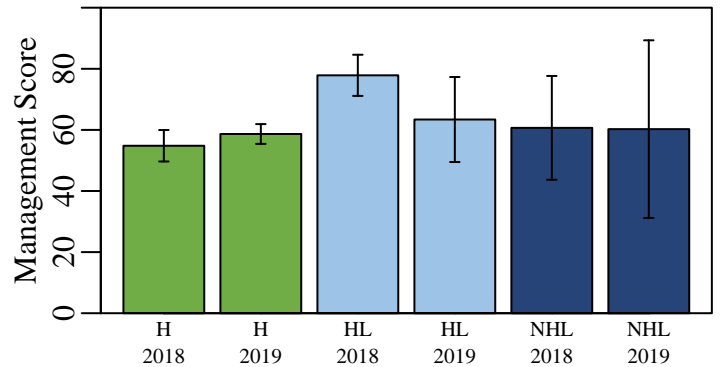


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

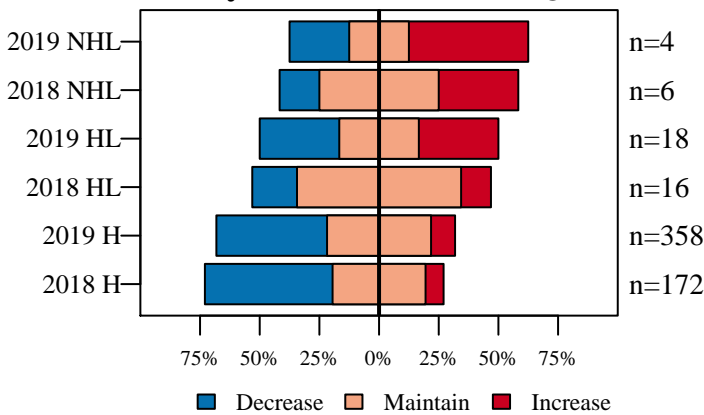


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

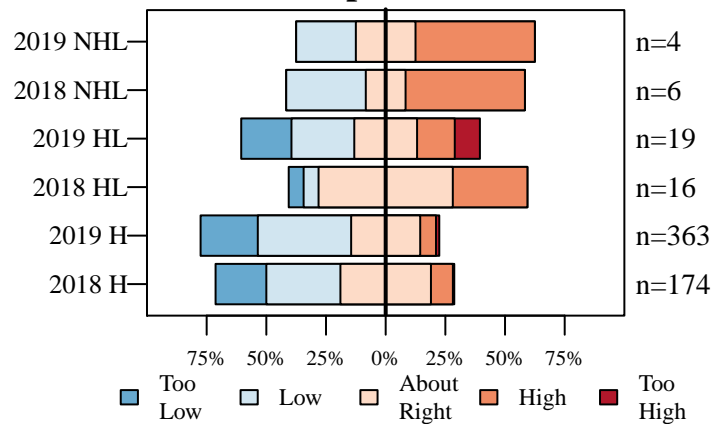


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

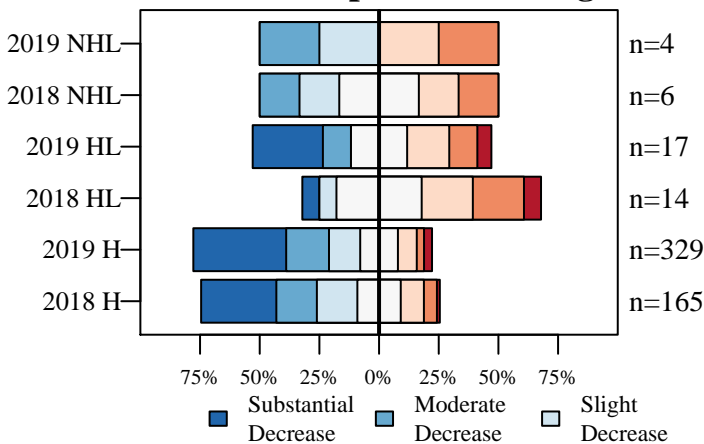


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

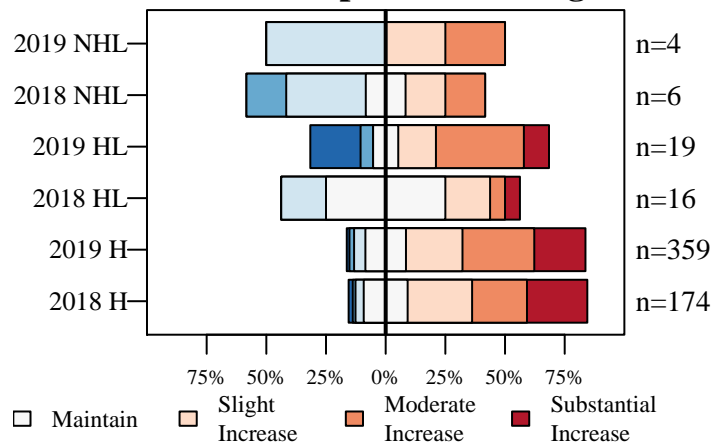


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Crawford County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

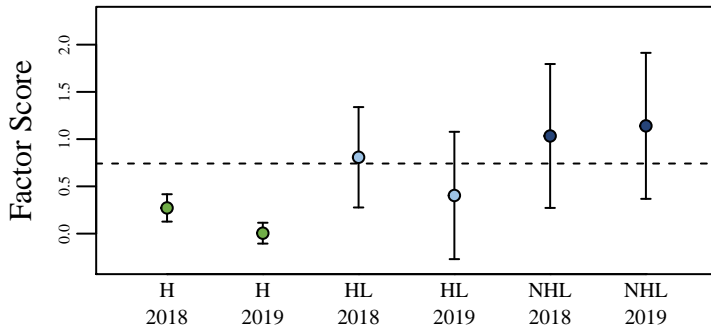


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

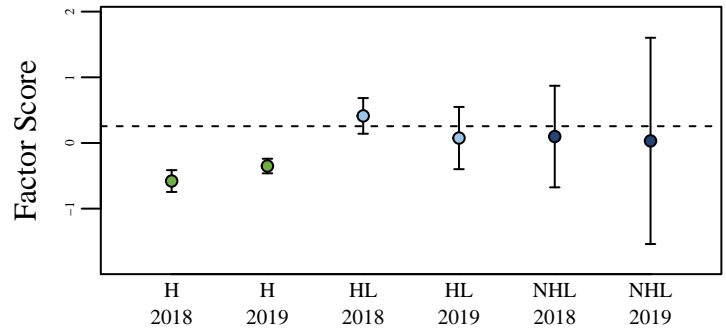


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

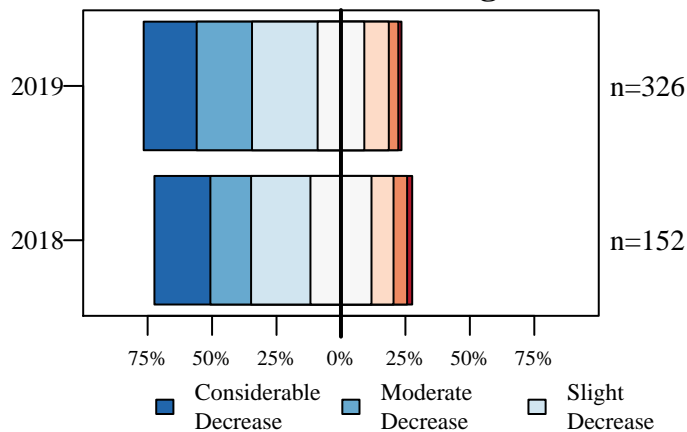


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

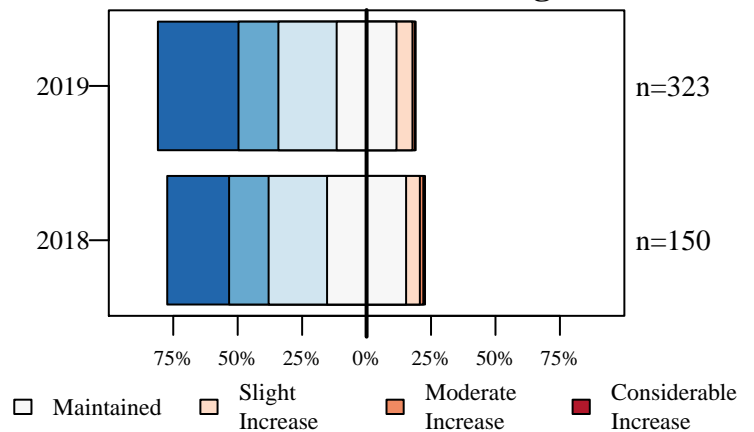


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

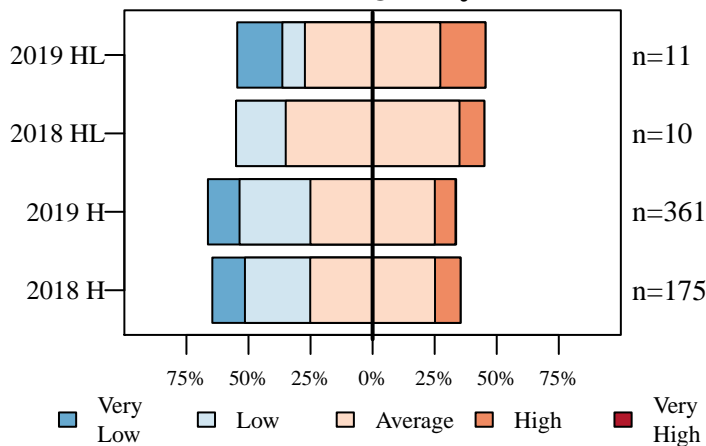


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

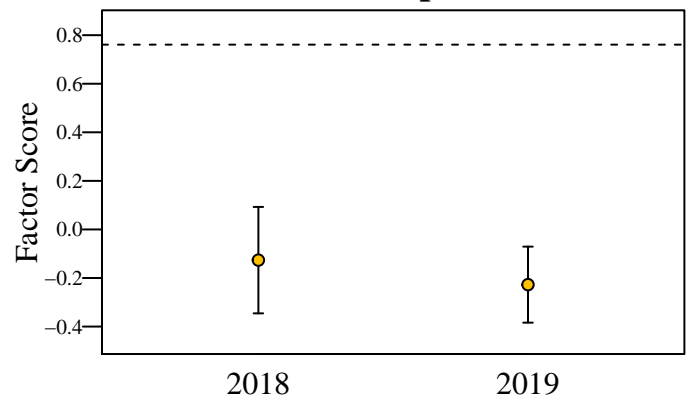


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Daviess County

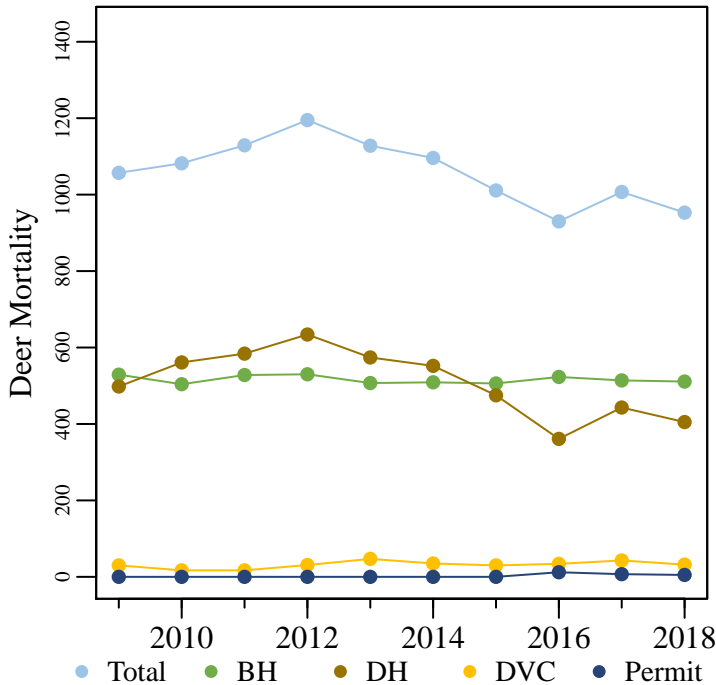
6/26/2019

Total Square Miles: 436  
 Square Miles of Deer Habitat: 120  
 Percent Deer Habitat: 27

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,433		733		6.11	700		5.83	48.85		66		3
2006	1,459		672		5.60	787		6.56	53.94		36		4
2007	1,163		545		4.54	618		5.15	53.14		34		4
2008	1,143		541		4.51	602		5.02	52.67		22		4
2009	1,027		529		4.41	498		4.15	48.49		30		4
2010	1,065	-0.94	504	-1.08	4.20	561	-0.74	4.67	52.68		17	-1.23	4
2011	1,112	-0.35	528	-0.46	4.40	584	-0.27	4.87	52.52		17	-1.34	3
2012	1,164	1.11	530	0.04	4.42	634	1.31	5.28	54.47		31	0.91	3
2013	1,081	-0.38	507	-1.43	4.22	574	-0.04	4.78	53.10		47	3.47	3
2014	1,061	-0.56	509	-0.82	4.24	552	-0.37	4.60	52.03		35	0.53	2
2015	981	-2.71	506	-0.78	4.22	475	-3.31	3.96	48.42		30	0.05	2
2016	884	-2.90	523	0.59	4.36	361	-3.50	3.01	40.84	12	34	0.19	1
2017	957	-0.73	514	-0.09	4.28	443	-0.72	3.69	46.29	7	43	1.10	1
2018	916	-0.96	511	-0.11	4.26	405	-0.88	3.38	44.21	5	32	-0.19	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

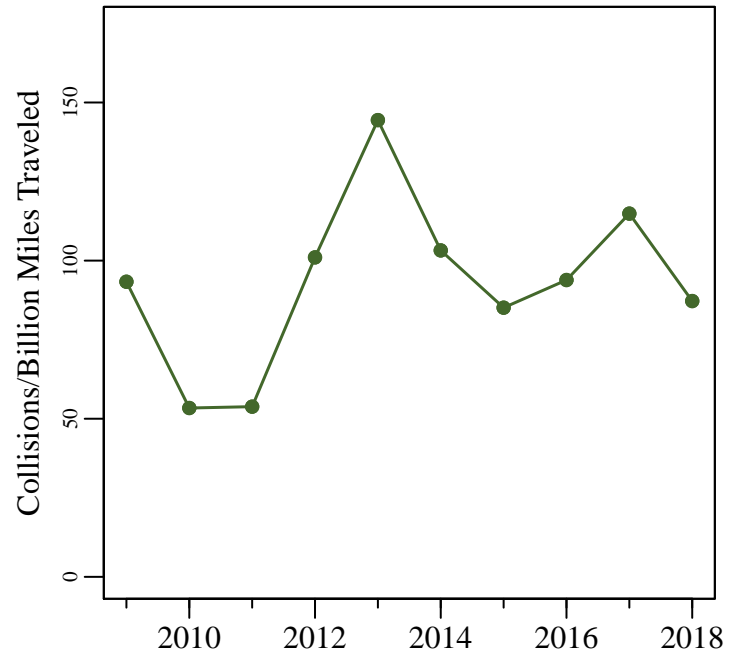


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Daviess County

6/26/2019

Total Square Miles: 436  
 Square Miles of Deer Habitat: 120  
 Percent Deer Habitat: 27

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	820	422	396	2	0	317	436	59	6	1	1	0	0	0	0	0
2016	770	342	425	2	0	354	384	29	3	0	0	0	0	0	0	0
2017	803	404	396	2	1	313	431	54	5	0	0	0	0	0	0	0
2018	790	376	413	1	0	335	415	34	6	0	0	0	0	0	0	0

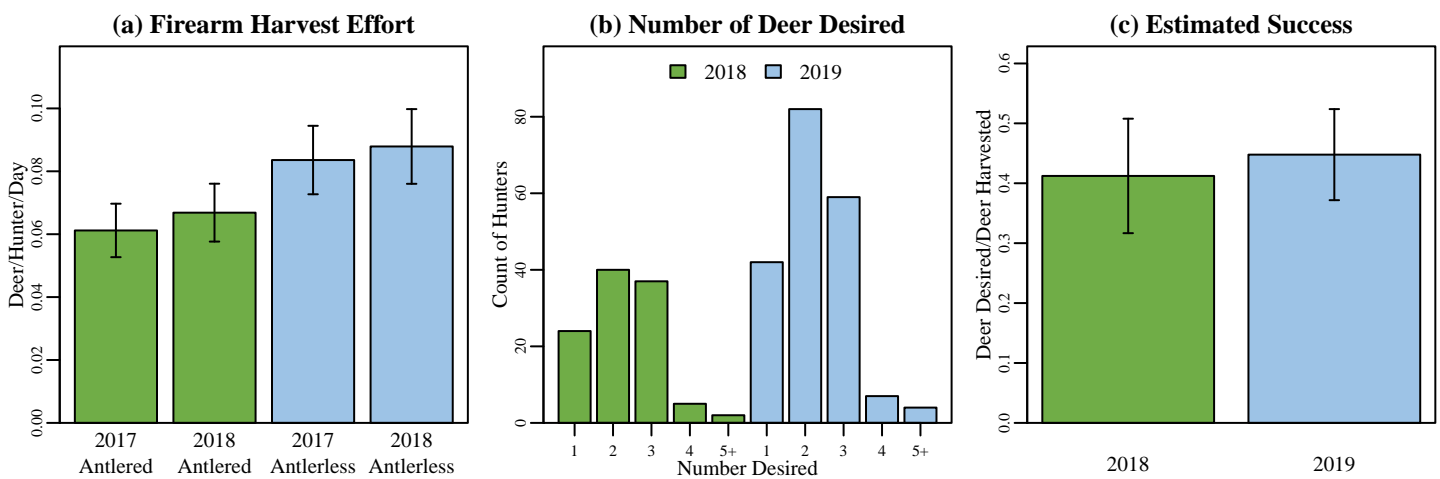
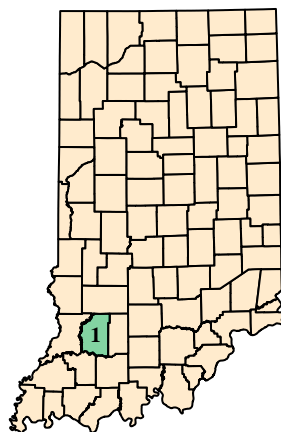


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Daviess County Map



## (b) Deer Habitat in Daviess County

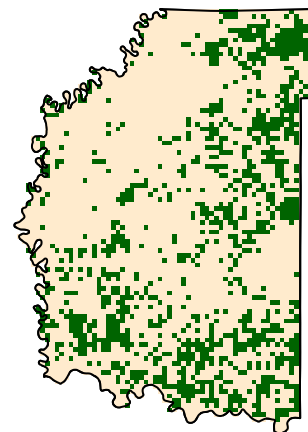


Figure 3. (a) Daviess County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Daviess County.

# Daviess County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

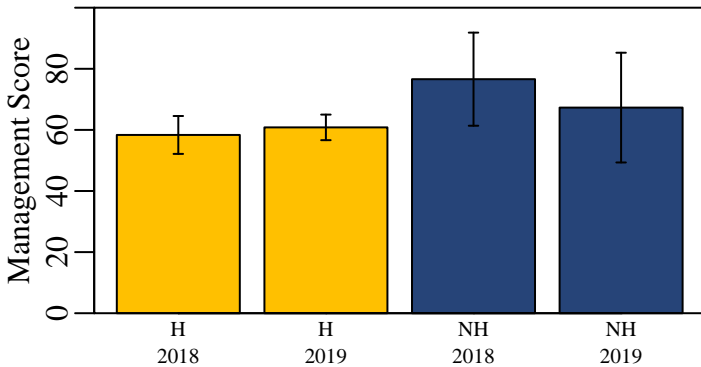


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

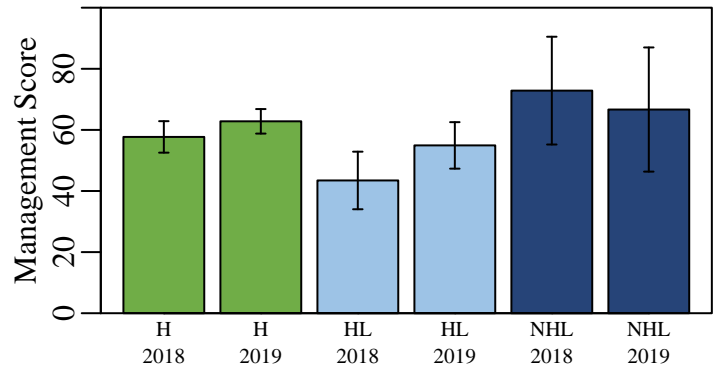


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

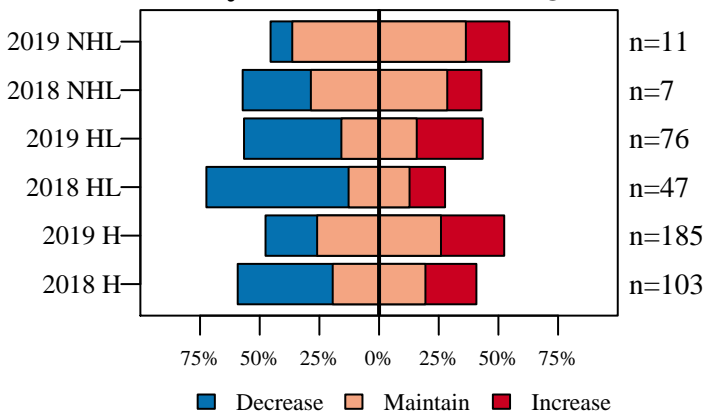


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

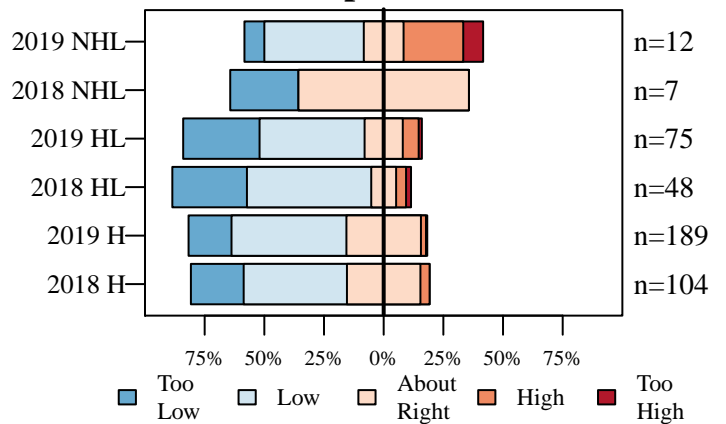


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

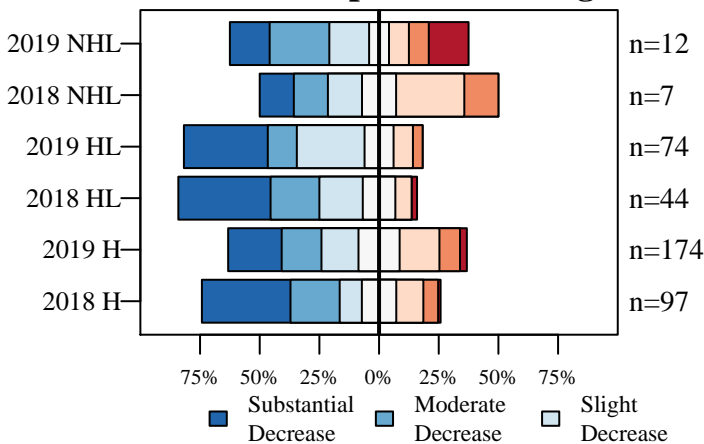


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

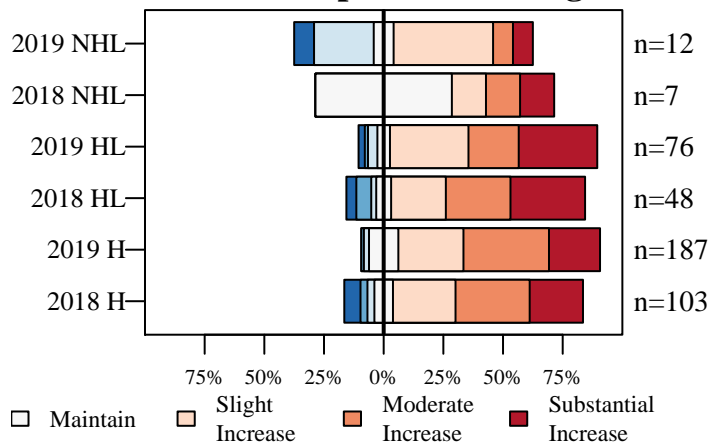


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Daviess County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

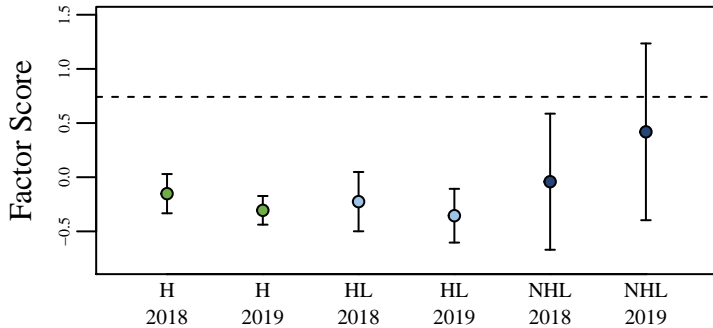


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

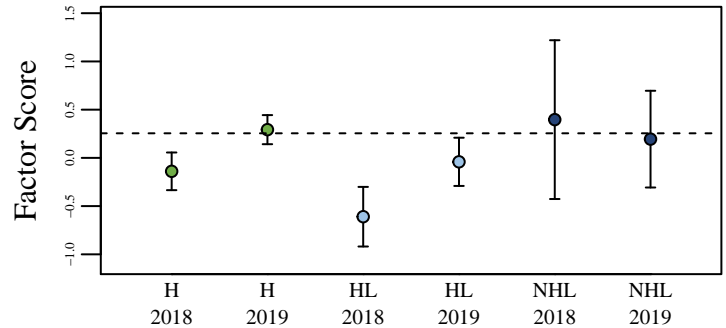


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

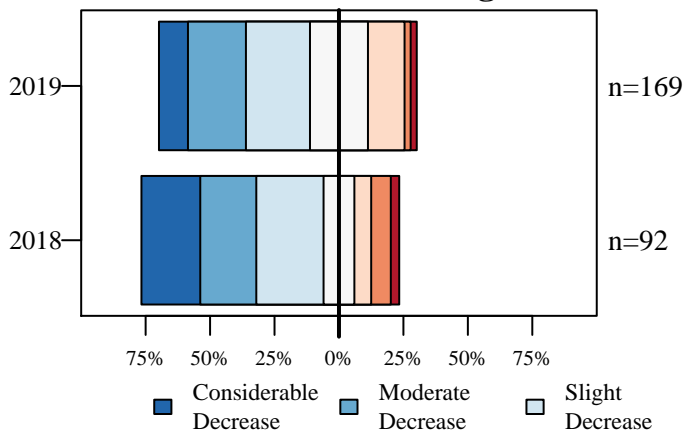


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

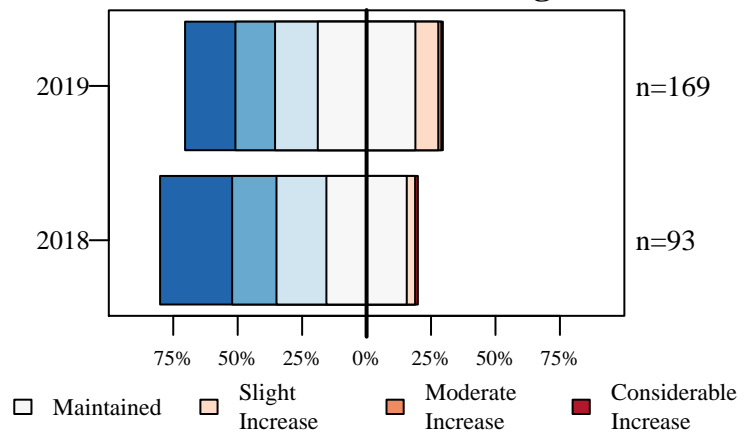


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

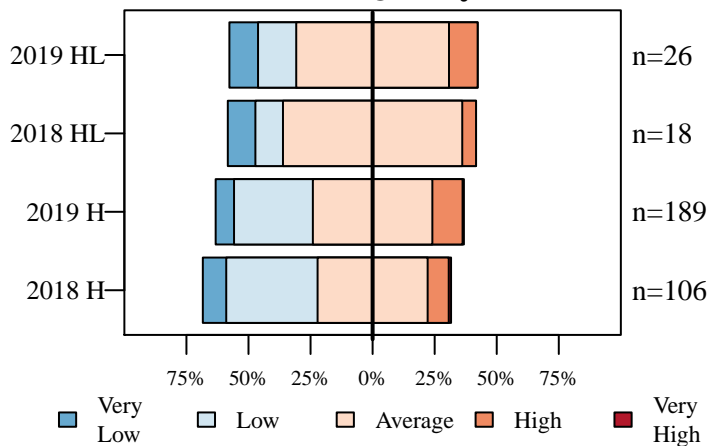


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

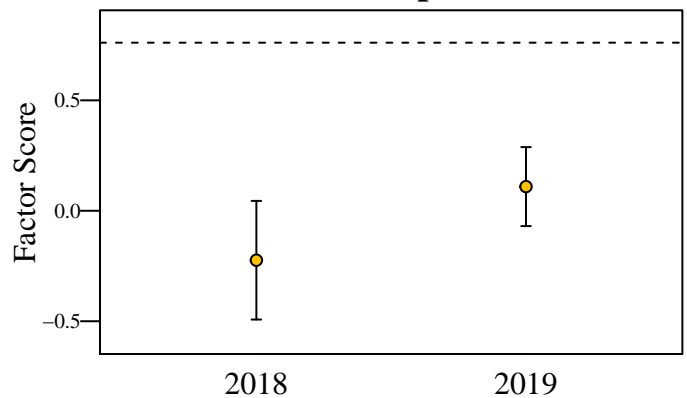


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Dearborn County

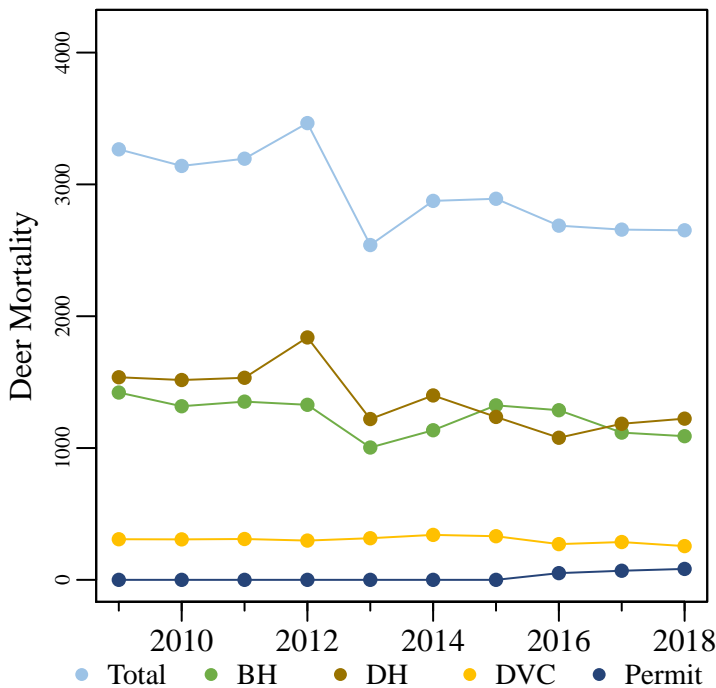
6/26/2019

Total Square Miles: 307  
 Square Miles of Deer Habitat: 256  
 Percent Deer Habitat: 83

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,735		1,294		5.05	1,441		5.63	52.69		318		8
2006	2,542		1,112		4.34	1,430		5.59	56.25		347		8
2007	2,622		1,188		4.64	1,434		5.60	54.69		352		8
2008	2,527		1,138		4.45	1,389		5.43	54.97		314		8
2009	2,958		1,421		5.55	1,537		6.00	51.96		308		8
2010	2,833	0.88	1,317	0.68	5.14	1,516	1.28	5.92	53.51		307	-1.03	8
2011	2,885	0.99	1,352	0.90	5.28	1,533	1.15	5.99	53.14		310	-0.71	8
2012	3,167	2.20	1,328	0.38	5.19	1,839	5.36	7.18	58.07		298	-1.06	8
2013	2,224	-2.80	1,004	-2.93	3.92	1,220	-2.06	4.77	54.86		316	1.46	8
2014	2,534	-0.79	1,135	-0.92	4.43	1,399	-0.59	5.46	55.21		341	5.11	4
2015	2,560	-0.47	1,324	0.64	5.17	1,236	-1.17	4.83	48.28		331	1.02	4
2016	2,365	-0.85	1,287	0.38	5.03	1,078	-1.44	4.21	45.58	51	271	-2.83	4
2017	2,301	-0.75	1,117	-0.69	4.36	1,184	-0.58	4.62	51.46	69	287	-0.97	4
2018	2,313	-0.57	1,090	-0.64	4.26	1,223	0.00	4.78	52.88	83	256	-2.11	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

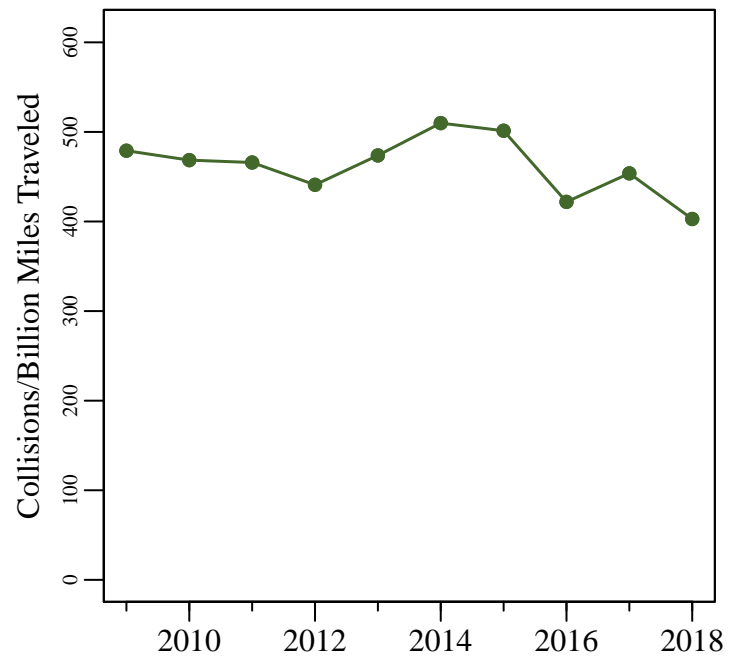


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Dearborn County

6/26/2019

Total Square Miles: 307  
 Square Miles of Deer Habitat: 256  
 Percent Deer Habitat: 83

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,933	868	1,065	0	0	805	838	224	56	9	1	0	0	0	0	0
2016	1,775	734	1,007	34	0	797	743	173	48	13	1	0	0	0	0	0
2017	1,663	805	851	7	0	636	728	213	66	16	4	0	0	0	0	0
2018	1,606	755	845	6	0	595	691	225	72	20	2	0	0	0	1	0

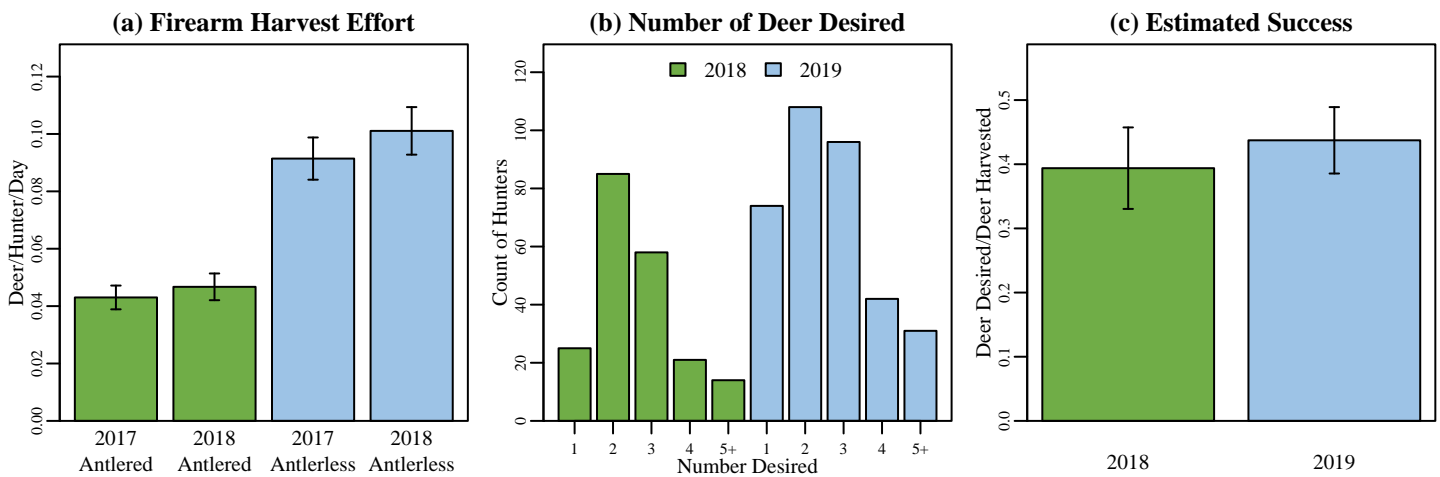
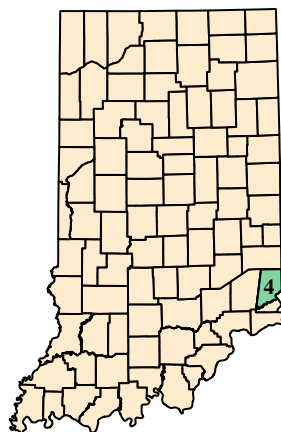


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

(a) Dearborn County Map



(b) Deer Habitat in Dearborn County

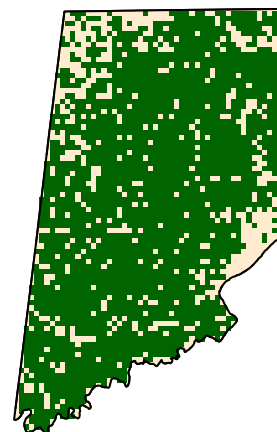


Figure 3. (a) Dearborn County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Dearborn County.

# Dearborn County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

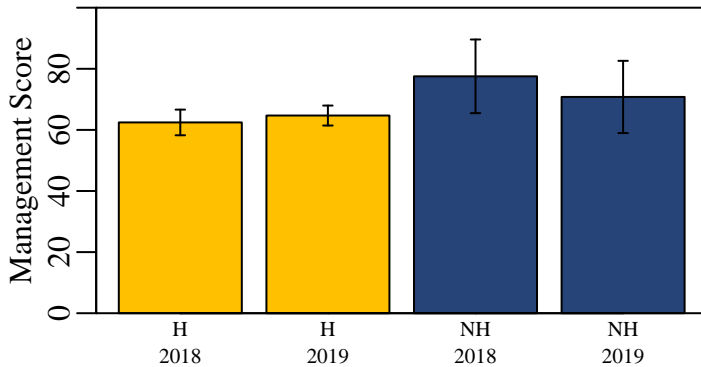


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

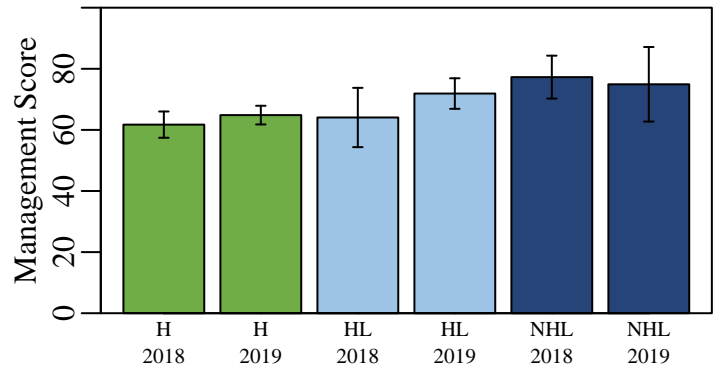


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

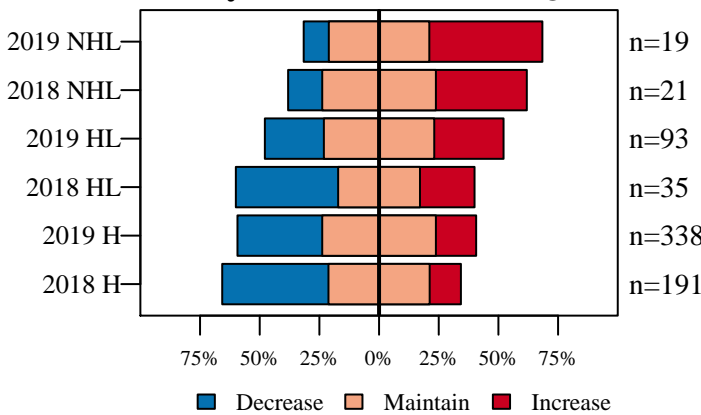


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

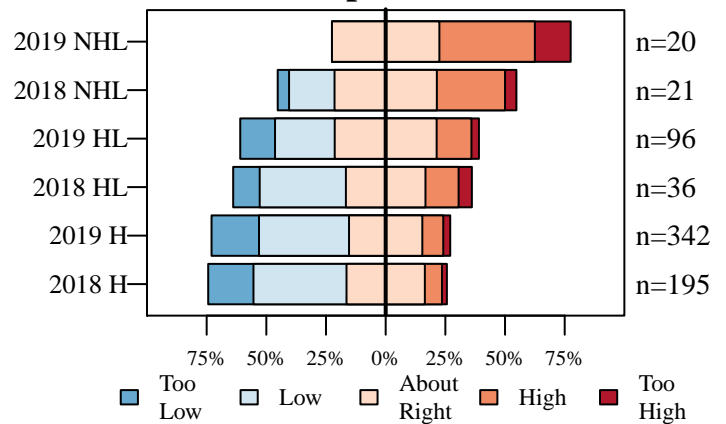


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

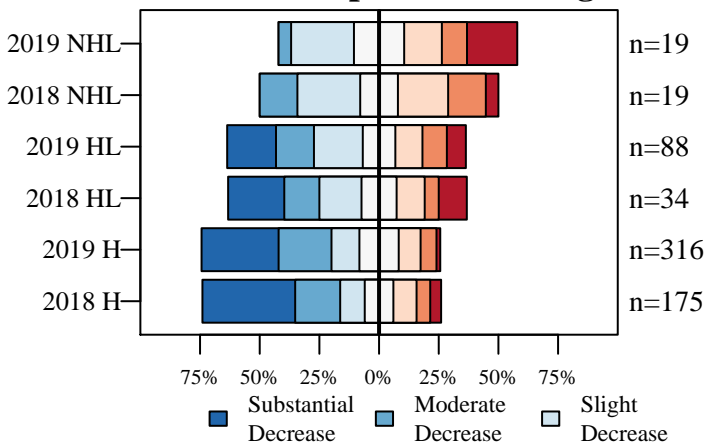


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

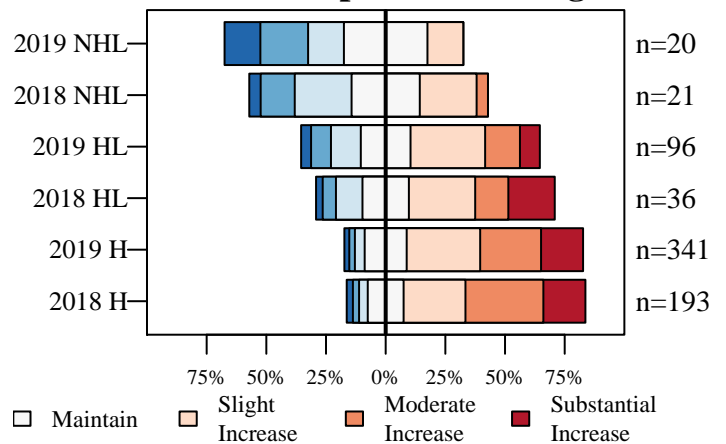


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Dearborn County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

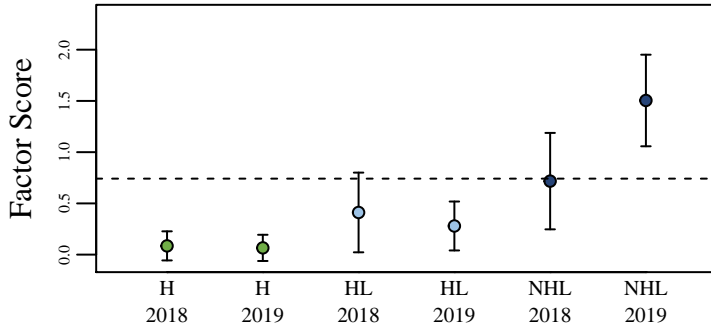


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

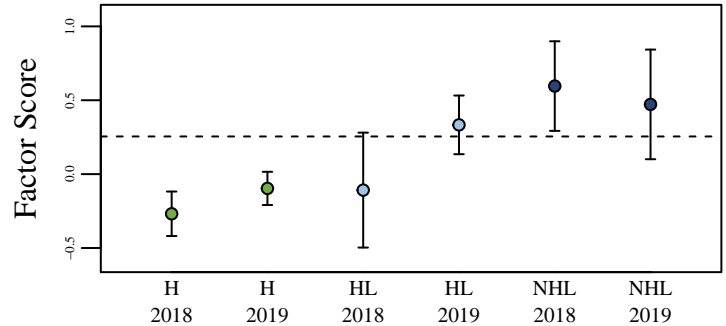


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

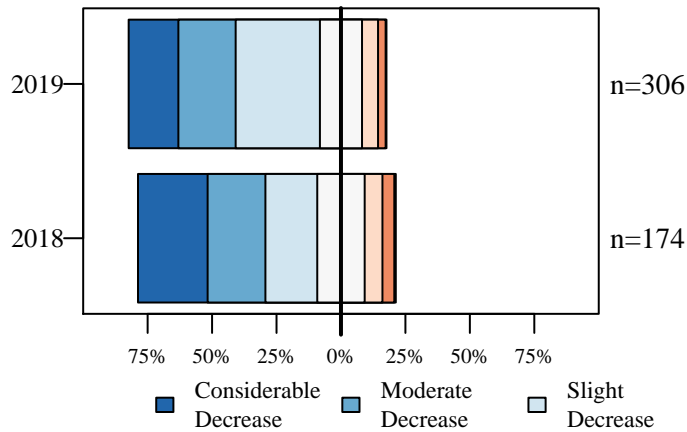


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

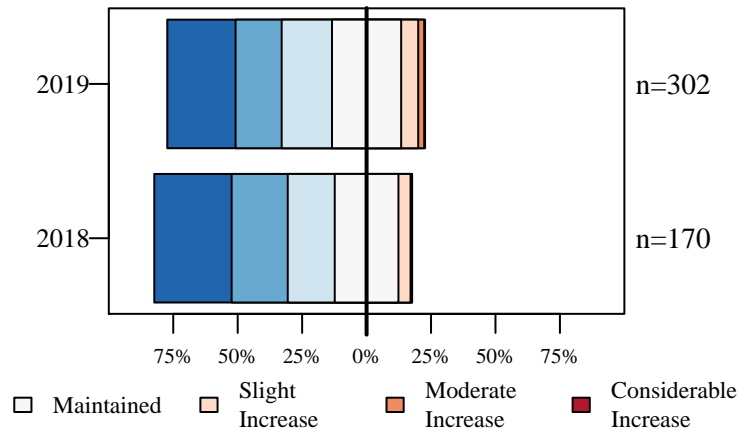


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

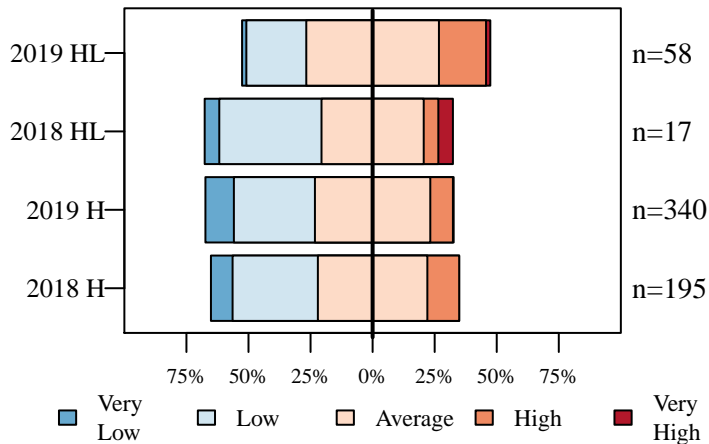


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

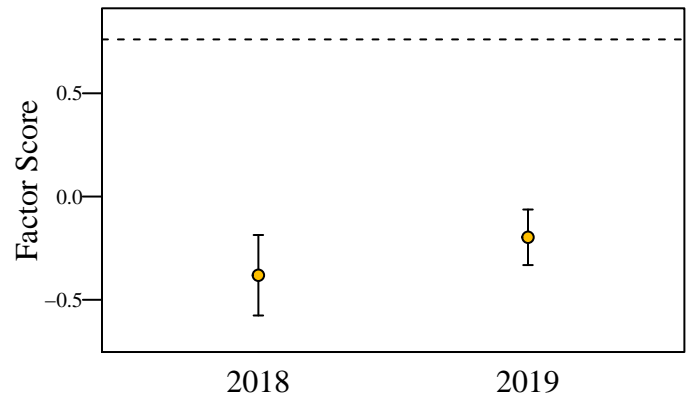


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Decatur County

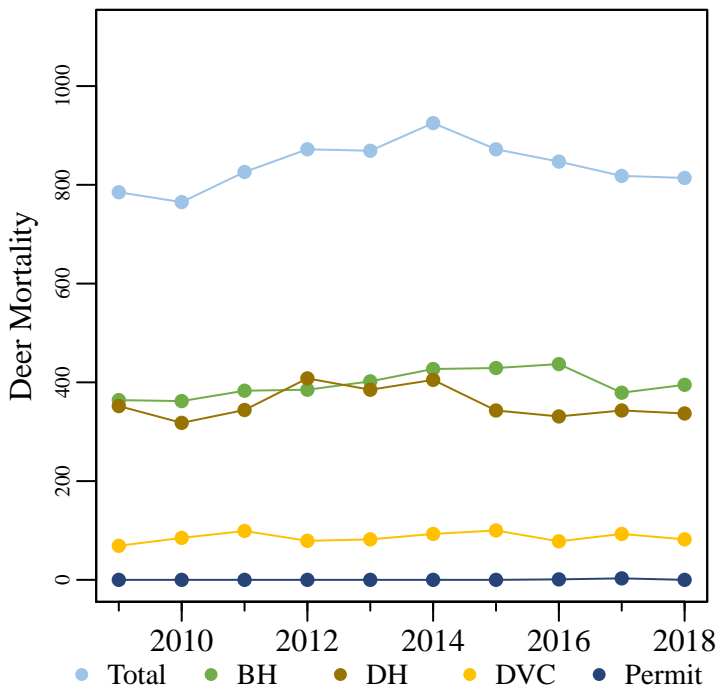
6/26/2019

Total Square Miles: 373  
 Square Miles of Deer Habitat: 89  
 Percent Deer Habitat: 24

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	532		311		3.49	221		2.48	41.54		57		1
2006	446		265		2.98	181		2.03	40.58		63		1
2007	536		320		3.60	216		2.43	40.30		48		1
2008	653		345		3.88	308		3.46	47.17		56		2
2009	716		364		4.09	352		3.96	49.16		69		2
2010	680	0.96	362	1.09	4.07	318	0.87	3.57	46.76		85	3.34	2
2011	727	1.08	383	1.26	4.30	344	0.95	3.87	47.32		99	2.48	3
2012	793	1.71	385	1.28	4.33	408	1.85	4.58	51.45		79	0.36	3
2013	787	1.38	402	2.07	4.52	385	1.00	4.33	48.92		82	0.27	3
2014	832	1.89	427	2.89	4.80	405	1.23	4.55	48.68		93	0.94	3
2015	772	0.14	429	1.53	4.82	343	-0.73	3.85	44.43		100	1.51	3
2016	768	-0.37	437	1.44	4.91	331	-1.44	3.72	43.10	1	78	-1.30	3
2017	722	-2.69	379	-1.70	4.26	343	-0.88	3.85	47.51	3	93	0.45	3
2018	732	-1.12	395	-0.83	4.44	337	-0.77	3.79	46.04	0	82	-0.77	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

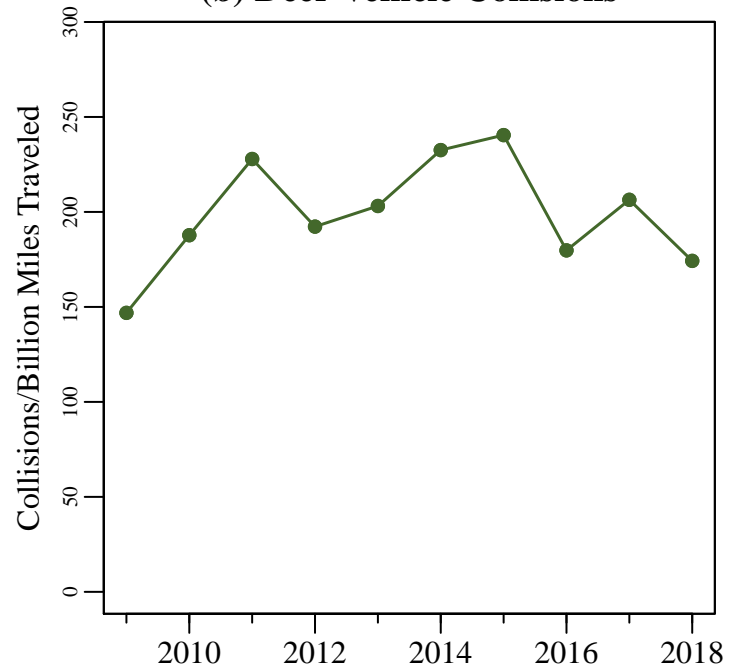


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Decatur County

6/26/2019

Total Square Miles: 373  
 Square Miles of Deer Habitat: 89  
 Percent Deer Habitat: 24

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	629	295	333	1	0	271	289	59	10	0	0	0	0	0	0	0
2016	617	278	336	3	0	273	272	62	10	0	0	0	0	0	0	0
2017	570	279	291	0	0	228	263	69	10	0	0	0	0	0	0	0
2018	581	291	289	1	0	222	281	74	4	0	0	0	0	0	0	0

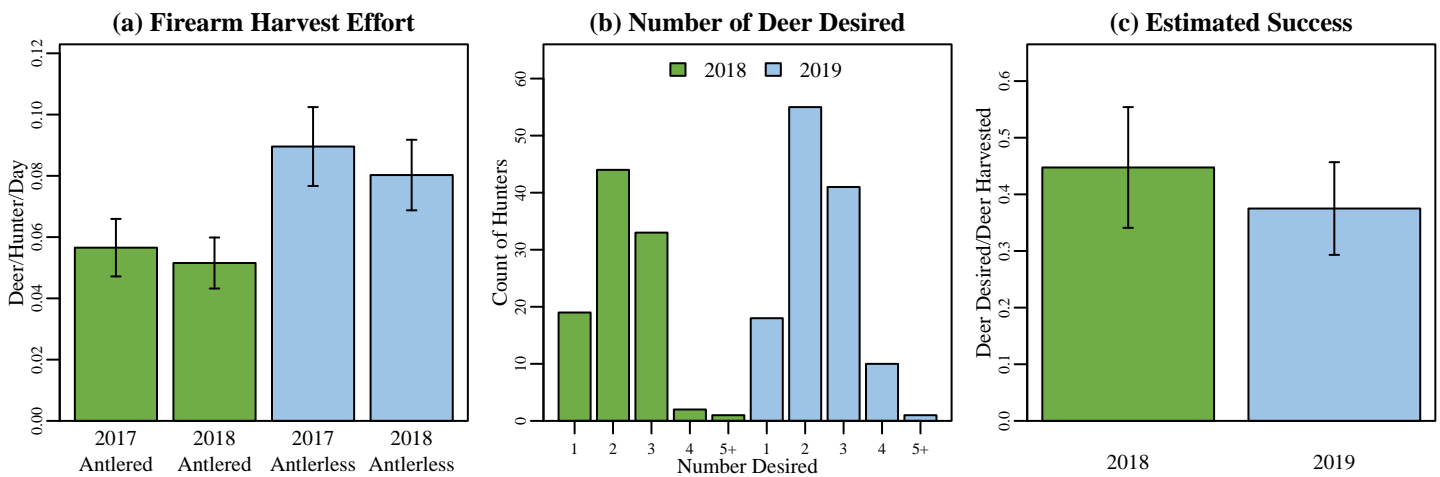
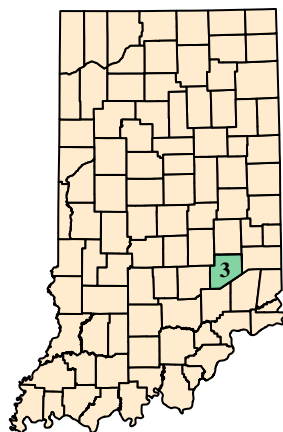


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Decatur County Map



## (b) Deer Habitat in Decatur County

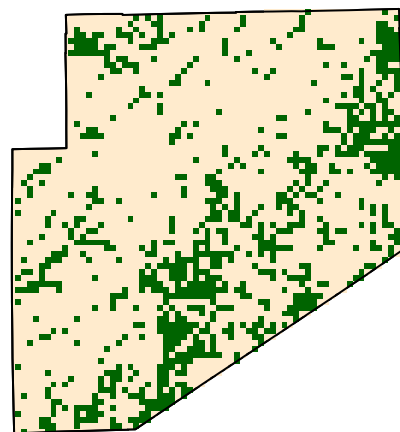


Figure 3. (a) Decatur County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Decatur County.

# Decatur County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

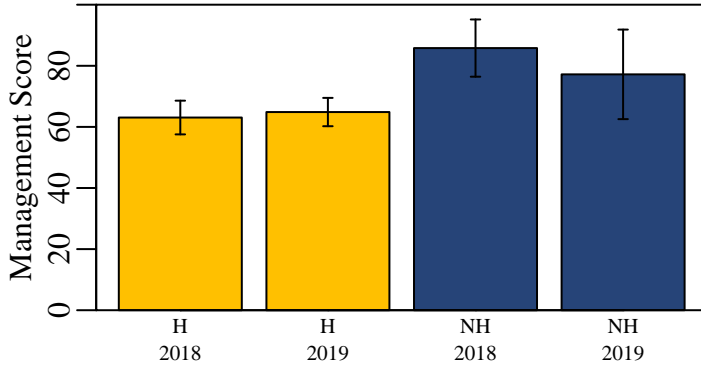


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

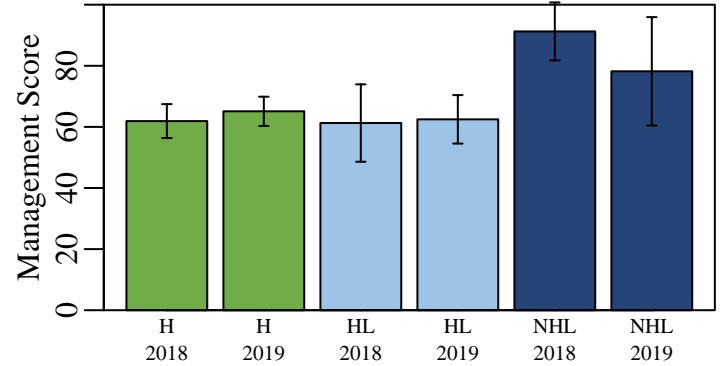


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

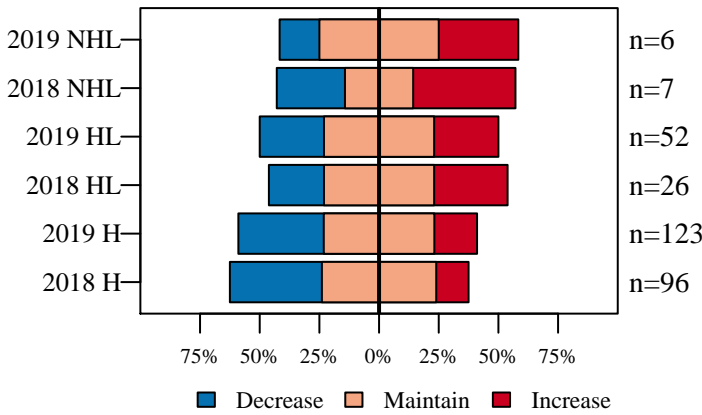


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

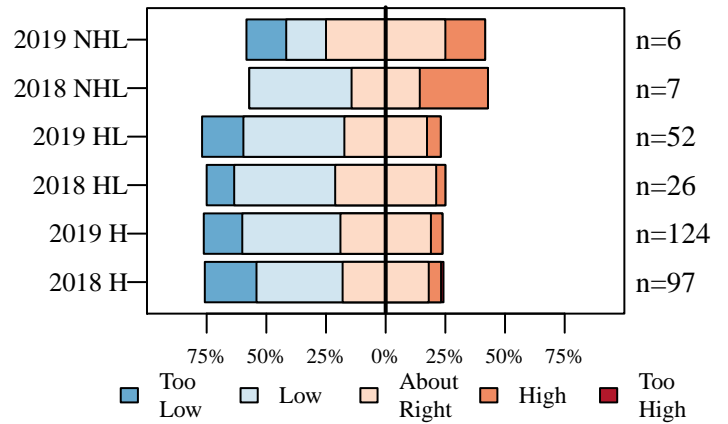


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

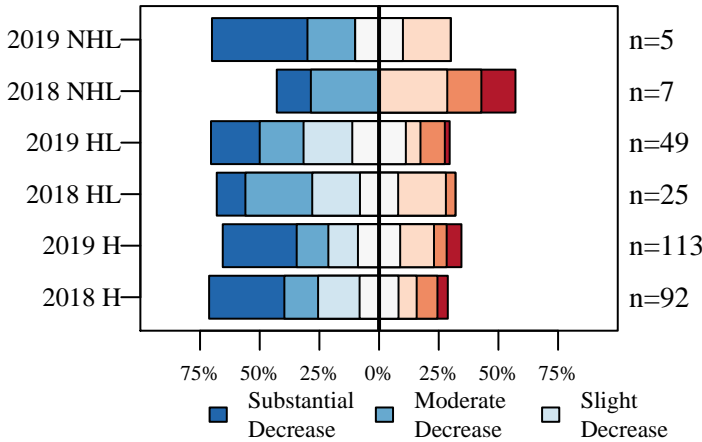


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

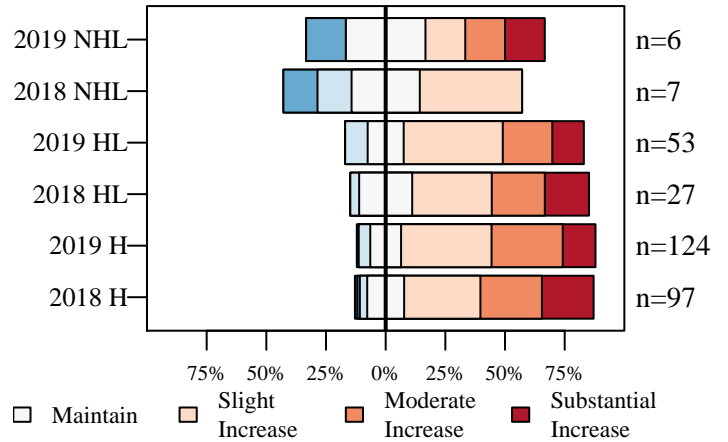


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Decatur County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

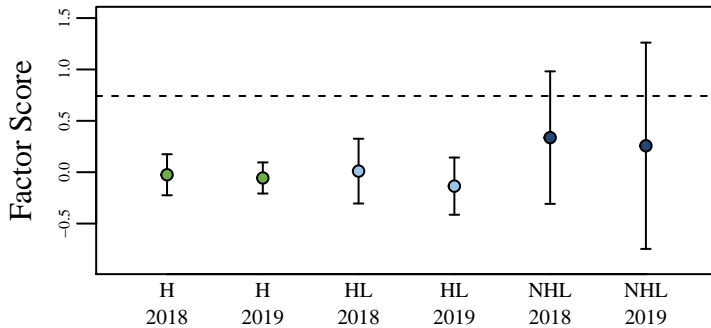


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

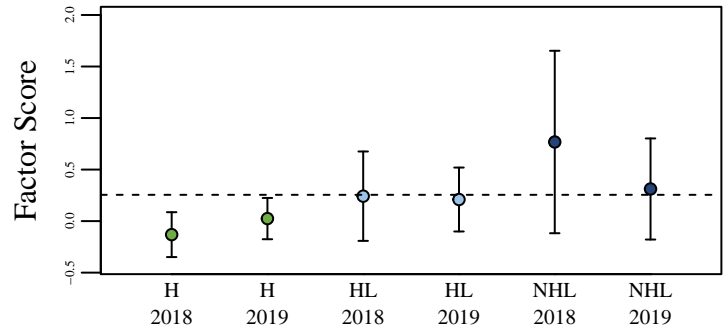


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

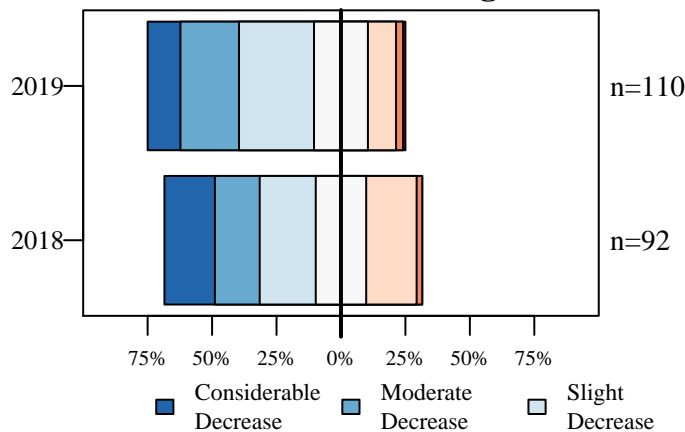


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

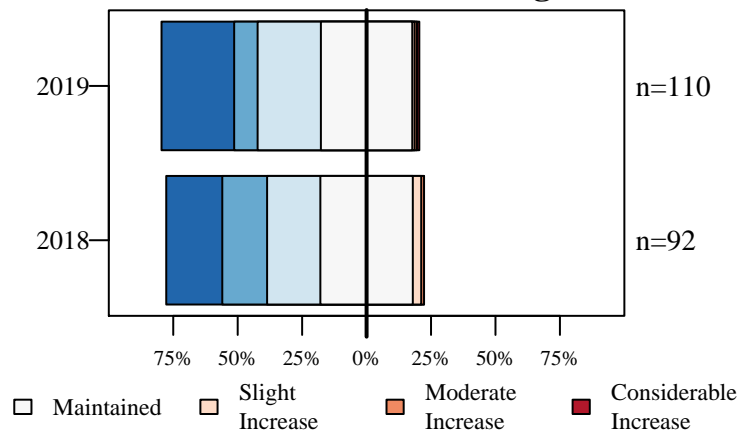


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

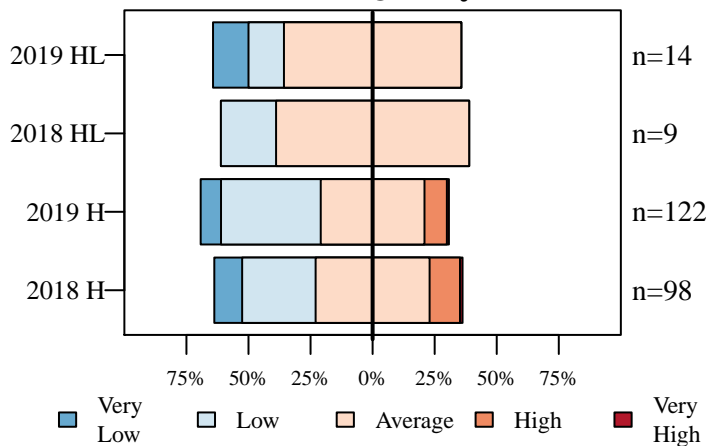


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

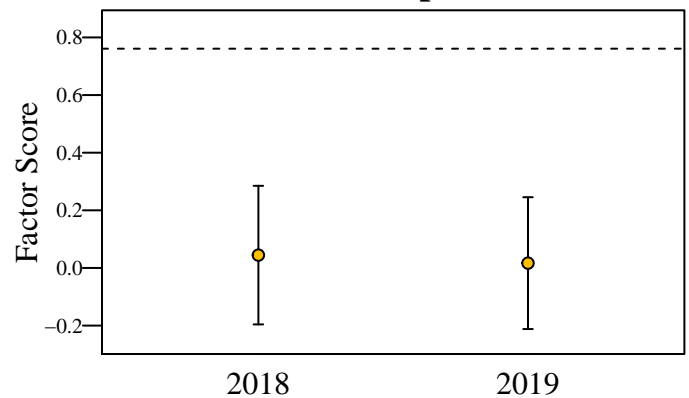


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# DeKalb County

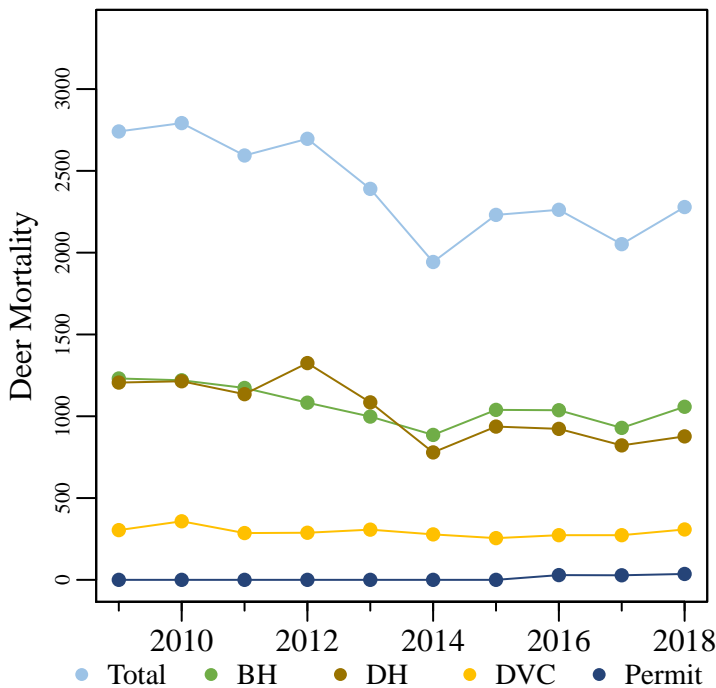
6/26/2019

Total Square Miles: 364  
 Square Miles of Deer Habitat: 97  
 Percent Deer Habitat: 27

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,066		1,104		11.38	962		9.92	46.56		228		2
2006	1,917		950		9.79	967		9.97	50.44		265		2
2007	2,179		1,117		11.52	1,062		10.95	48.74		270		2
2008	2,399		1,178		12.14	1,221		12.59	50.90		317		3
2009	2,437		1,231		12.69	1,206		12.43	49.49		304		4
2010	2,434	1.06	1,220	0.98	12.58	1,214	1.04	12.52	49.88		358	2.31	4
2011	2,308	0.15	1,173	0.29	12.09	1,135	0.01	11.70	49.18		286	-0.44	8
2012	2,408	0.52	1,083	-2.23	11.16	1,325	2.30	13.66	55.02		288	-0.57	8
2013	2,083	-5.99	998	-3.07	10.29	1,085	-1.99	11.19	52.09		307	-0.12	8
2014	1,665	-4.47	886	-2.58	9.13	779	-4.55	8.03	46.79		278	-1.05	4
2015	1,976	-0.64	1,039	-0.25	10.71	937	-0.83	9.66	47.42		255	-1.50	4
2016	1,960	-0.44	1,037	0.01	10.69	923	-0.63	9.52	47.09	29	273	-0.52	4
2017	1,751	-1.00	929	-1.06	9.58	822	-0.91	8.47	46.94	28	273	-0.47	3
2018	1,935	0.28	1,058	1.18	10.91	877	-0.27	9.04	45.32	36	308	1.74	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

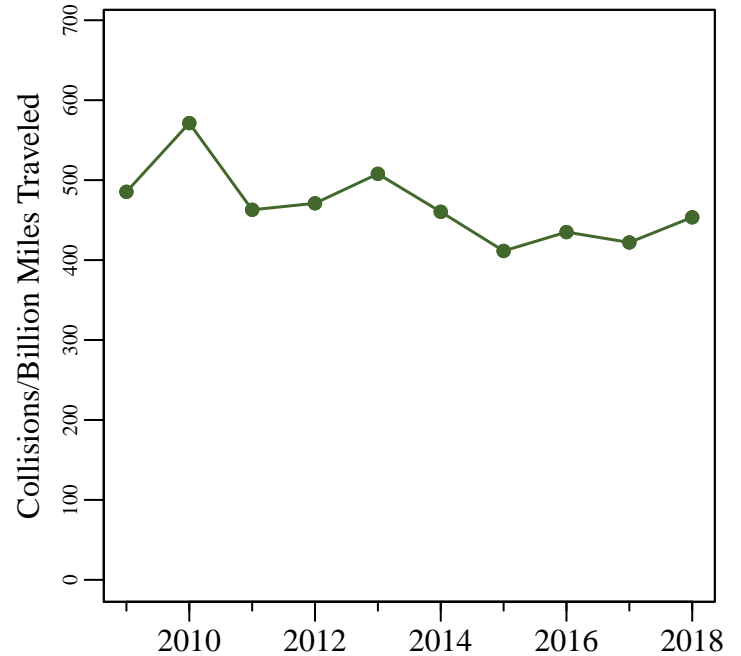


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# DeKalb County

6/26/2019

Total Square Miles: 364  
 Square Miles of Deer Habitat: 97  
 Percent Deer Habitat: 27

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,517	695	815	7	0	597	727	164	24	5	0	0	0	0	0	0
2016	1,461	649	809	3	0	581	678	155	32	14	1	0	0	0	0	0
2017	1,347	616	727	3	0	541	627	152	25	2	0	0	0	0	0	0
2018	1,521	657	857	7	0	639	721	142	17	2	0	0	0	0	0	0

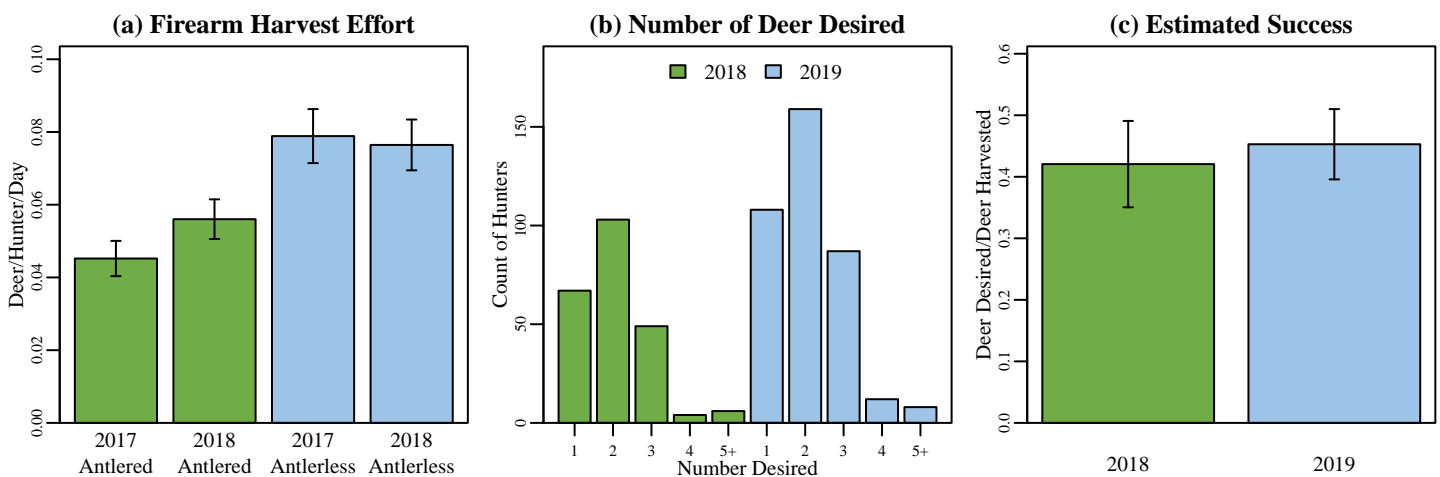
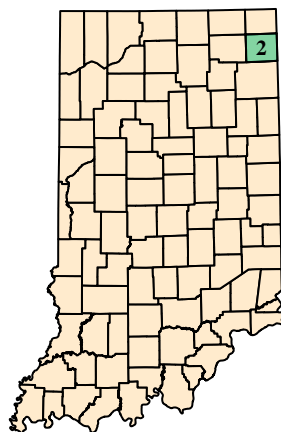


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

(a) DeKalb County Map



(b) Deer Habitat in DeKalb County

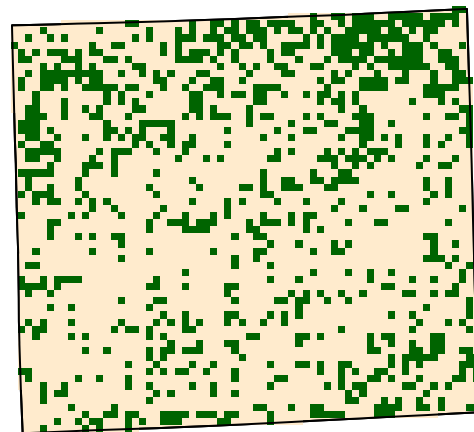


Figure 3. (a) DeKalb County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in DeKalb County.

# DeKalb County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

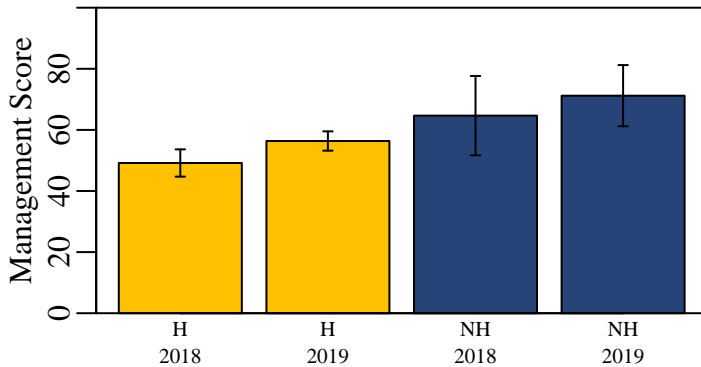


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

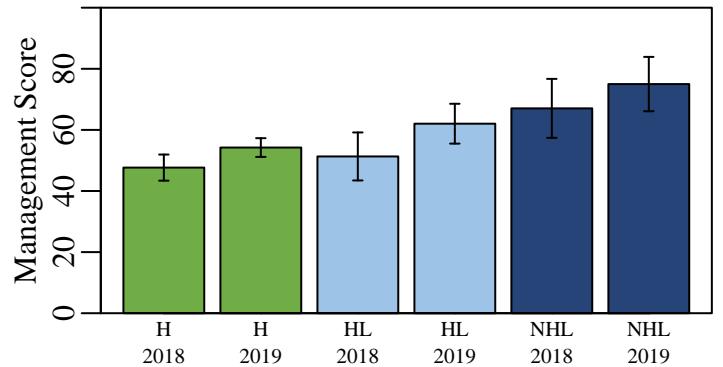


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

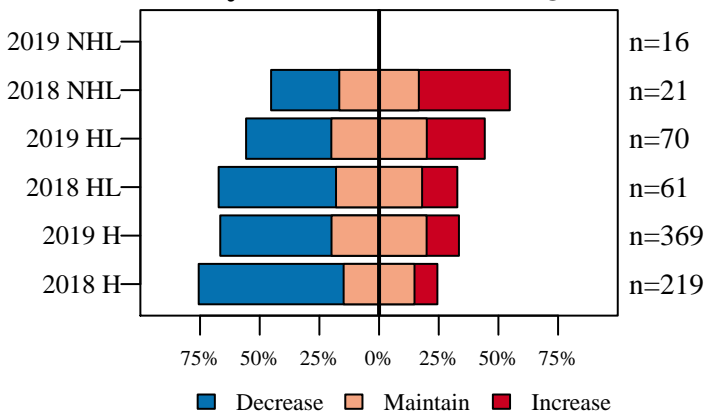


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

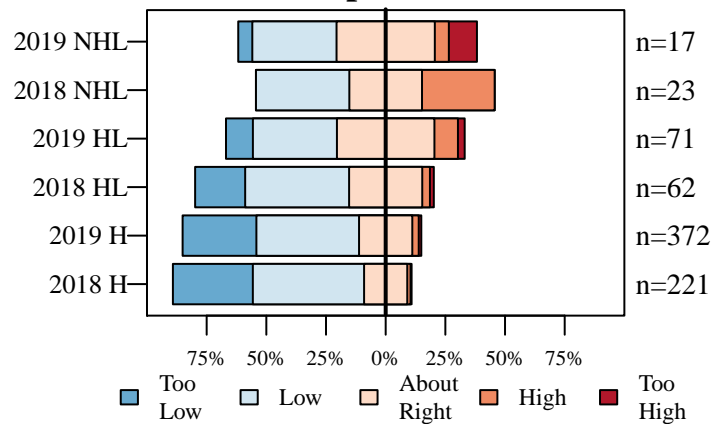


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

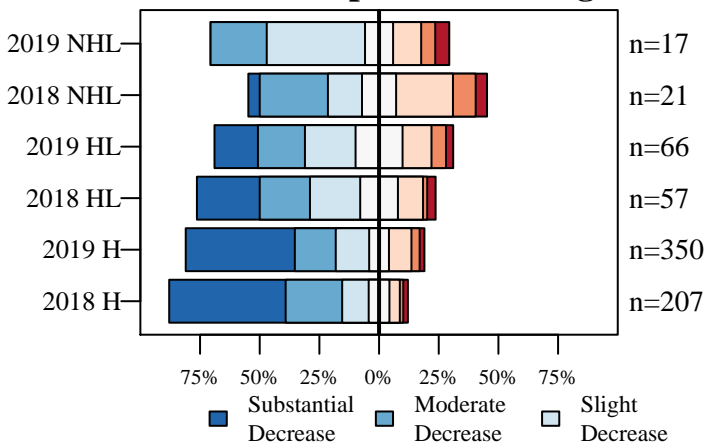


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

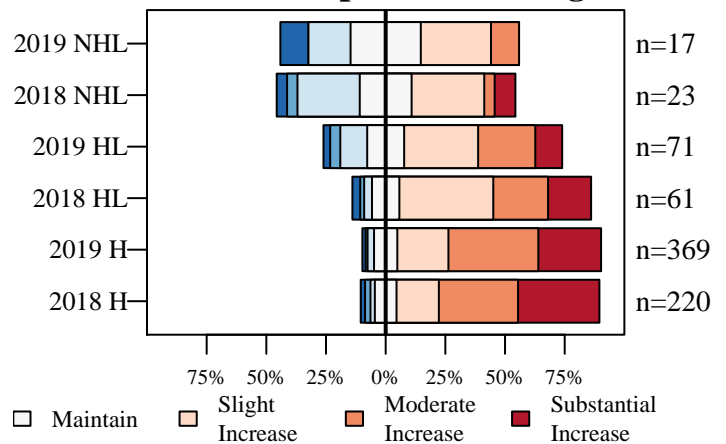


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# DeKalb County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

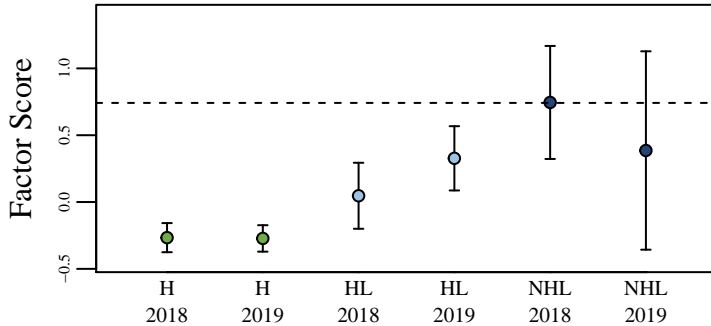


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

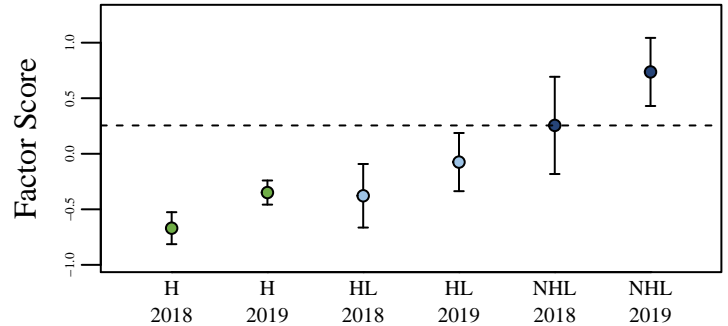


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

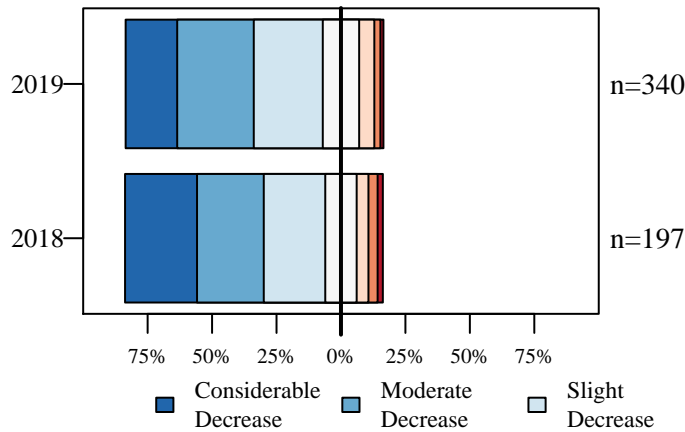


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

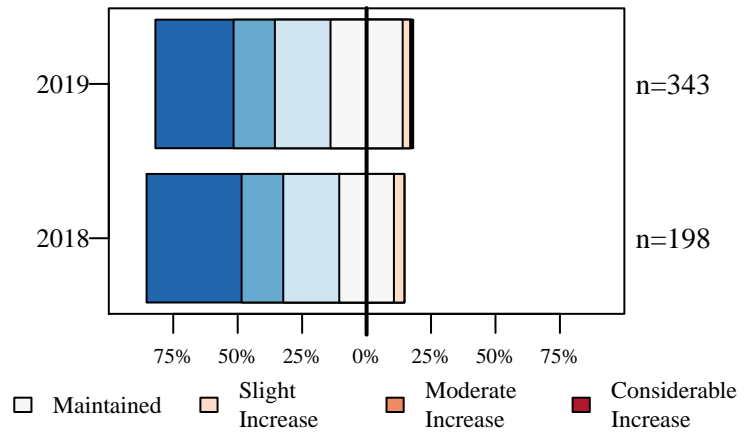


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

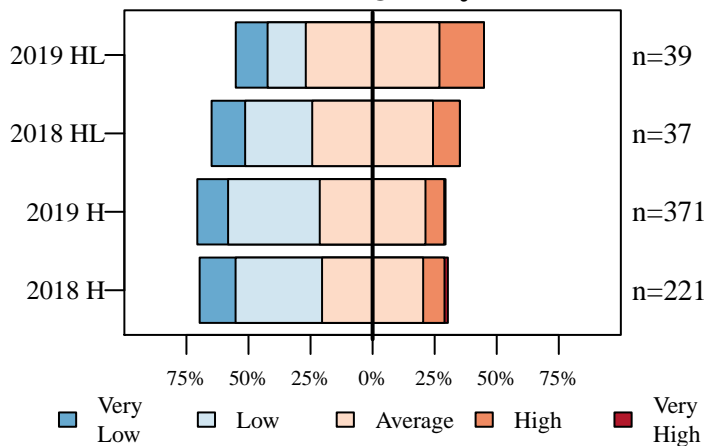


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

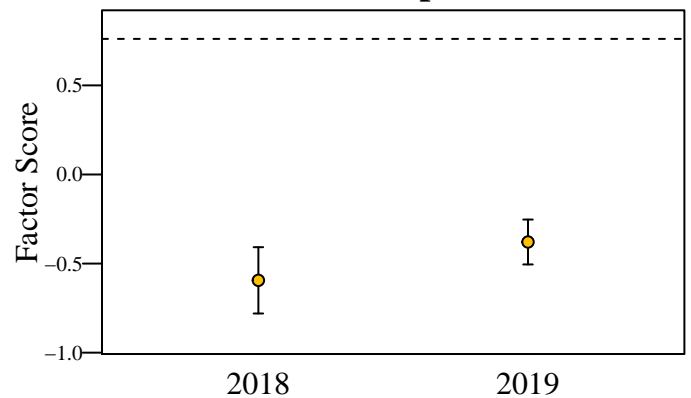


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Delaware County

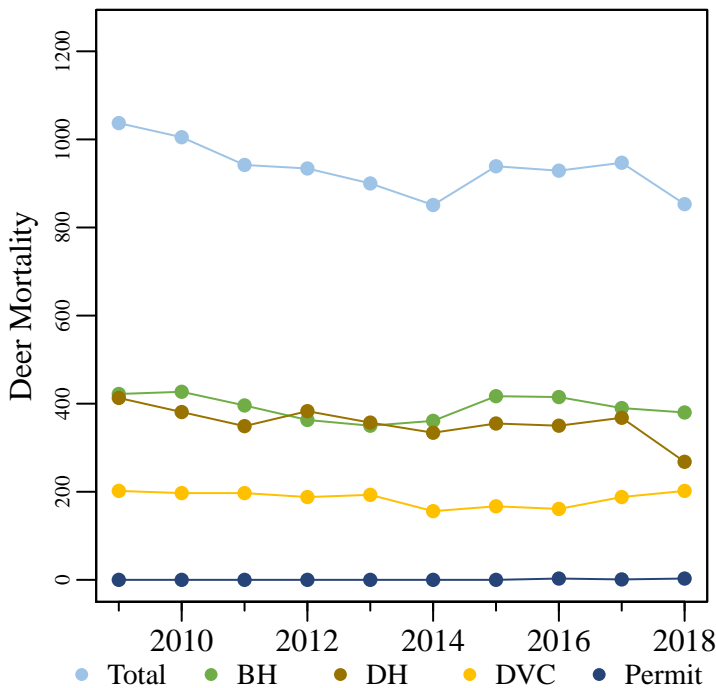
6/26/2019

Total Square Miles: 396  
 Square Miles of Deer Habitat: 51  
 Percent Deer Habitat: 13

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	693		373		7.31	320		6.27	46.18		171		3
2006	694		354		6.94	340		6.67	48.99		235		3
2007	679		367		7.20	312		6.12	45.95		227		3
2008	744		407		7.98	337		6.61	45.30		194		4
2009	835		422		8.27	413		8.10	49.46		202		4
2010	808	1.23	427	1.48	8.37	381	0.91	7.47	47.15		197	-0.34	4
2011	745	-0.10	396	0.02	7.76	349	-0.19	6.84	46.85		197	-0.75	4
2012	746	-0.27	363	-1.70	7.12	383	0.63	7.51	51.34		188	-1.14	4
2013	707	-1.60	350	-2.08	6.86	357	-0.52	7.00	50.50		193	-0.51	4
2014	695	-1.41	361	-0.89	7.08	334	-1.69	6.55	48.06		156	-7.54	4
2015	772	0.72	417	1.19	8.18	355	-0.28	6.96	45.98		167	-1.11	4
2016	765	1.02	415	1.34	8.14	350	-0.32	6.86	45.75	3	161	-1.08	4
2017	758	0.61	390	0.27	7.65	368	0.69	7.22	48.55	1	188	0.62	4
2018	648	-2.56	380	-0.22	7.45	268	-6.84	5.25	41.36	3	202	1.40	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

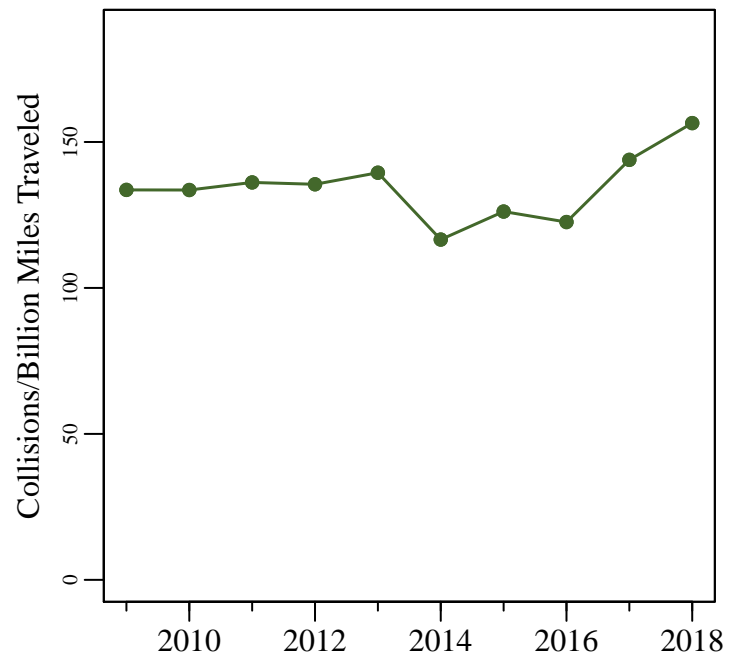


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Delaware County

6/26/2019

Total Square Miles: 396  
 Square Miles of Deer Habitat: 51  
 Percent Deer Habitat: 13

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	615	311	304	0	0	237	306	58	10	4	0	0	0	0	0	0
2016	597	273	323	1	0	242	287	56	9	2	0	1	0	0	0	0
2017	561	283	275	3	0	194	284	63	14	5	1	0	0	0	0	0
2018	532	236	295	1	0	236	247	45	2	2	0	0	0	0	0	0

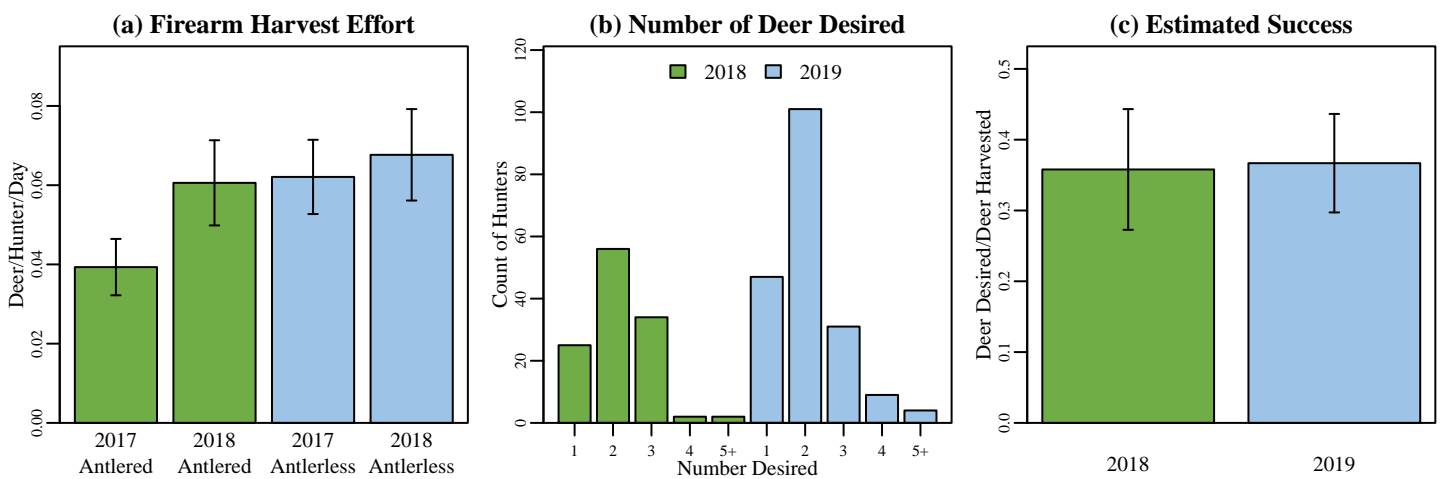
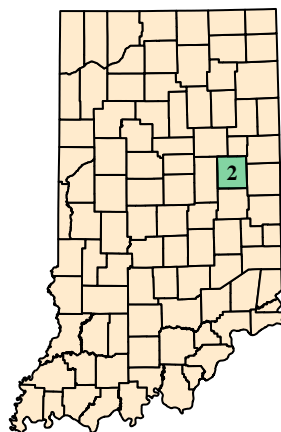


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Delaware County Map



## (b) Deer Habitat in Delaware County

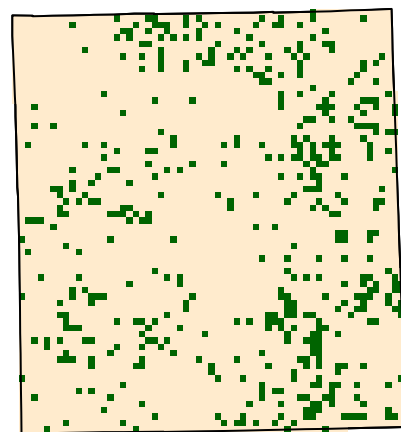


Figure 3. (a) Delaware County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Delaware County.

# Delaware County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

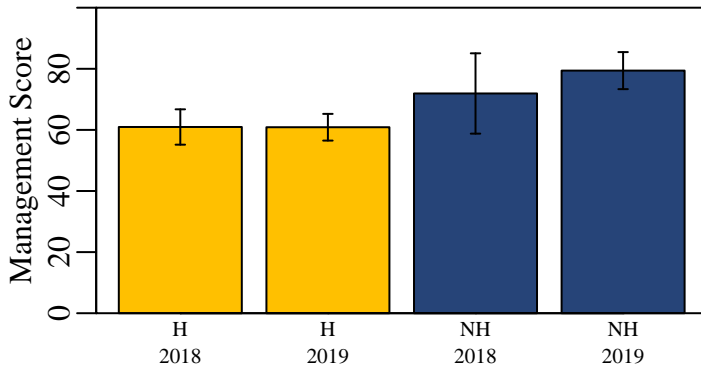


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

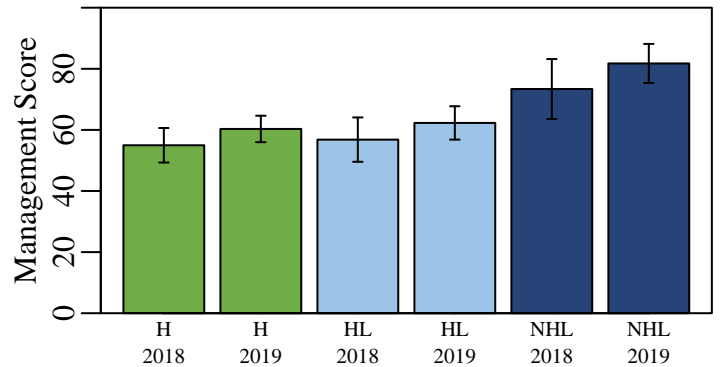


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

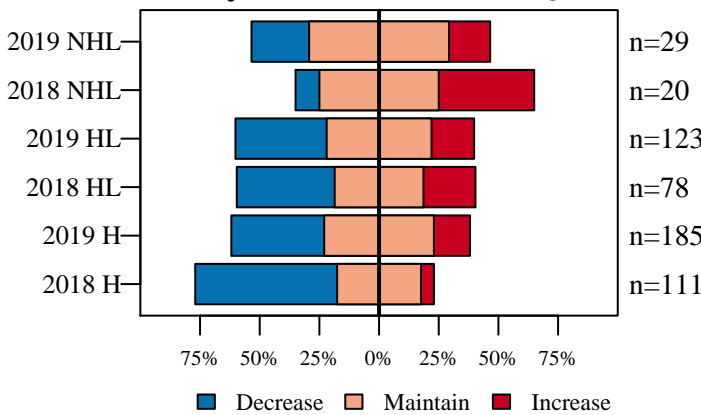


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

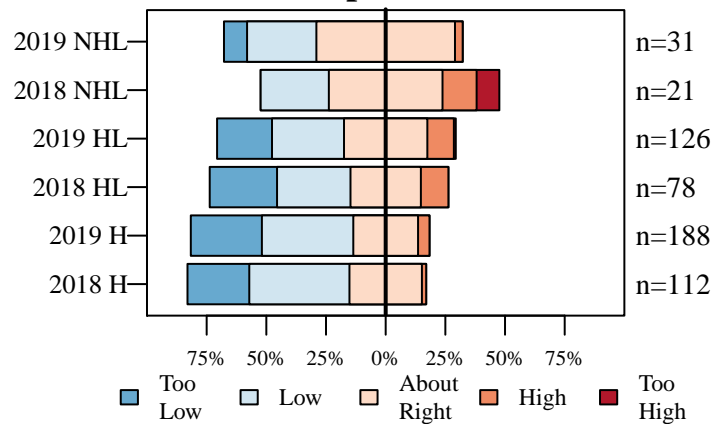


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

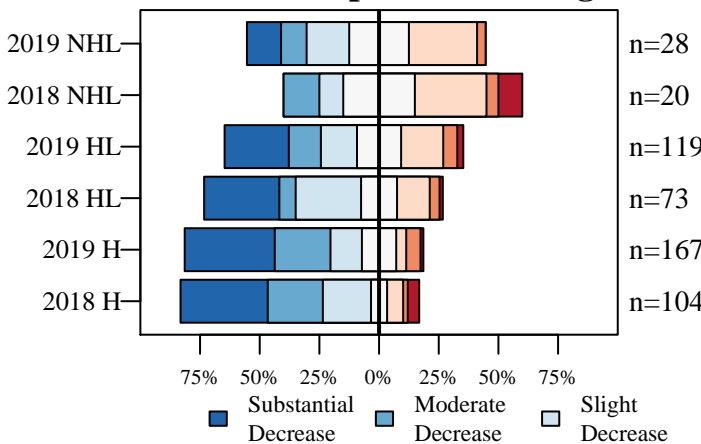


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

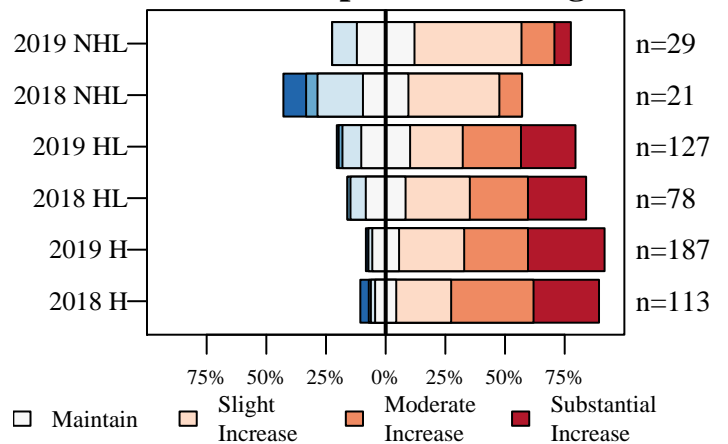


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Delaware County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

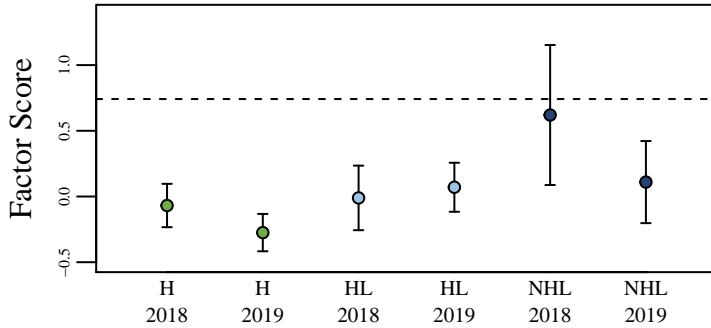


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

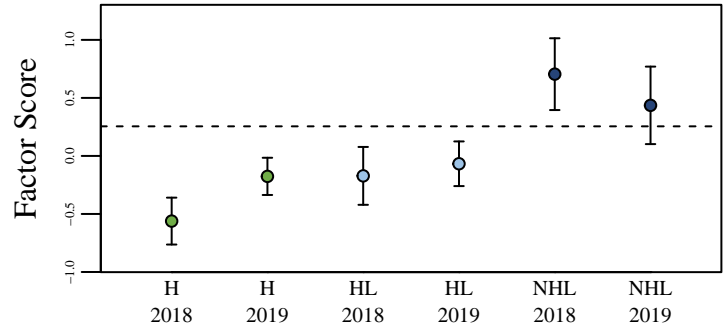


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

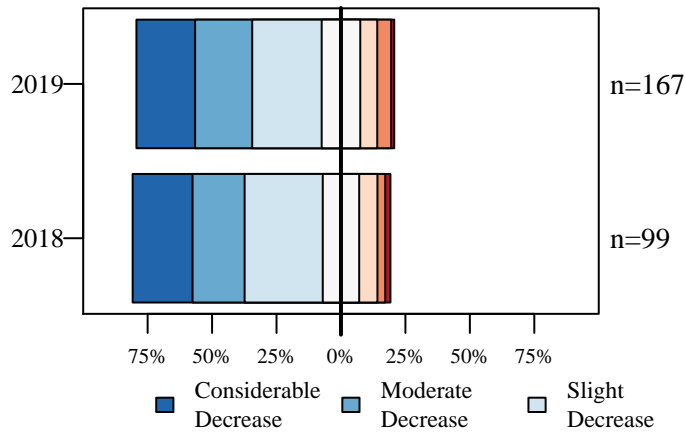


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

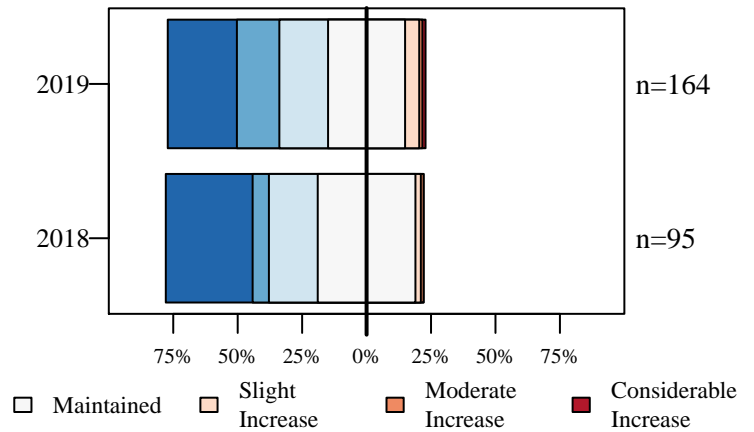


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

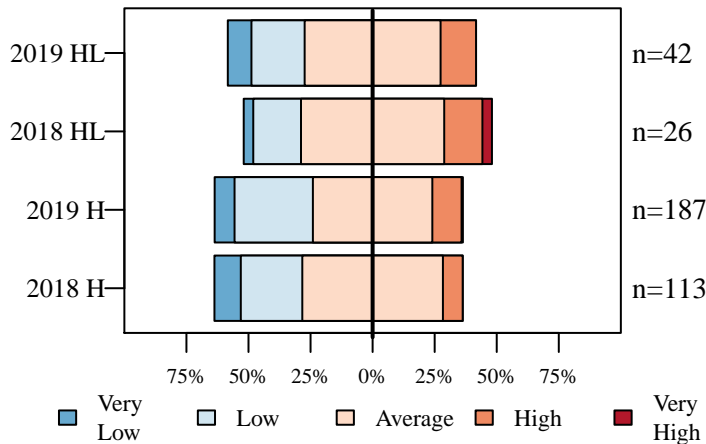


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

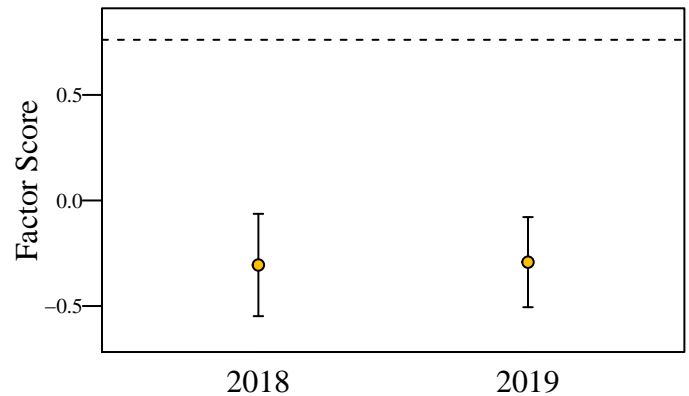


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Dubois County

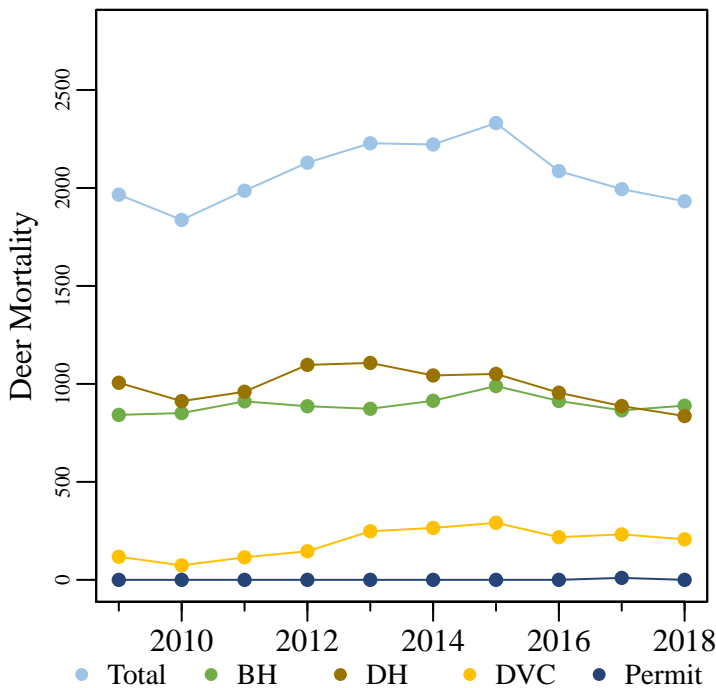
6/26/2019

Total Square Miles: 435  
 Square Miles of Deer Habitat: 236  
 Percent Deer Habitat: 54

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,842		867		3.67	975		4.13	52.93		115		3
2006	1,885		906		3.84	979		4.15	51.94		123		3
2007	1,527		706		2.99	821		3.48	53.77		117		4
2008	1,736		787		3.33	949		4.02	54.67		93		4
2009	1,848		842		3.57	1,006		4.26	54.44		118		4
2010	1,763	-0.03	851	0.38	3.61	912	-0.47	3.86	51.73		74	-3.36	4
2011	1,871	0.85	911	1.22	3.86	960	0.37	4.07	51.31		115	0.48	4
2012	1,983	1.72	886	0.86	3.75	1,097	2.41	4.65	55.32		146	2.20	4
2013	1,980	1.43	873	0.37	3.70	1,107	1.72	4.69	55.91		248	5.10	4
2014	1,957	0.73	914	1.50	3.87	1,043	0.31	4.42	53.30		265	1.91	4
2015	2,040	1.37	989	3.86	4.19	1,051	0.32	4.45	51.52		291	1.45	4
2016	1,868	-1.60	913	-0.04	3.87	955	-1.66	4.05	51.12	0	218	0.06	4
2017	1,752	-3.42	865	-1.11	3.67	887	-2.71	3.76	50.63	10	232	0.26	3
2018	1,725	-1.73	889	-0.44	3.77	836	-1.98	3.54	48.46	0	207	-0.15	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

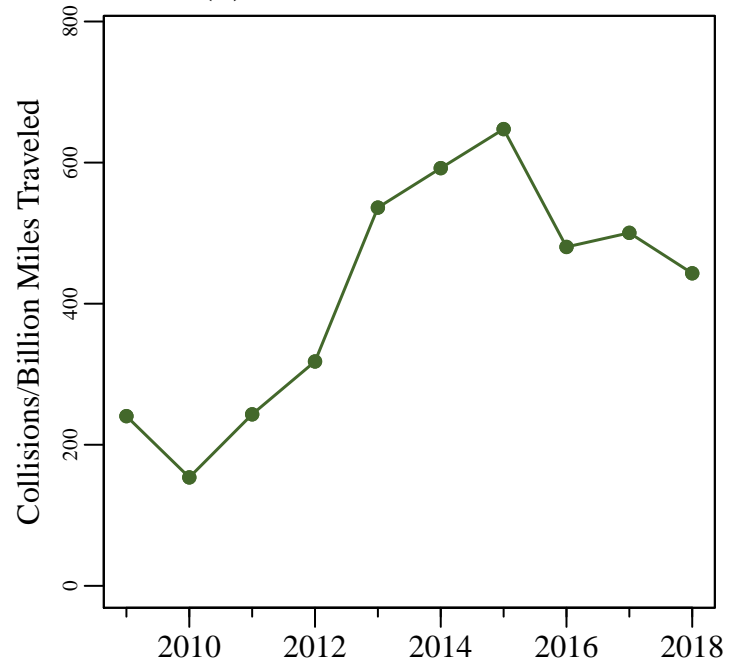


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Dubois County

6/26/2019

Total Square Miles: 435  
 Square Miles of Deer Habitat: 236  
 Percent Deer Habitat: 54

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,526	736	789	1	0	574	721	179	38	14	0	0	0	0	0	0
2016	1,392	679	709	4	0	528	643	172	34	13	2	0	0	0	0	0
2017	1,326	664	657	5	0	468	666	161	27	4	0	0	0	0	0	0
2018	1,314	610	702	2	0	513	616	153	31	1	0	0	0	0	0	0

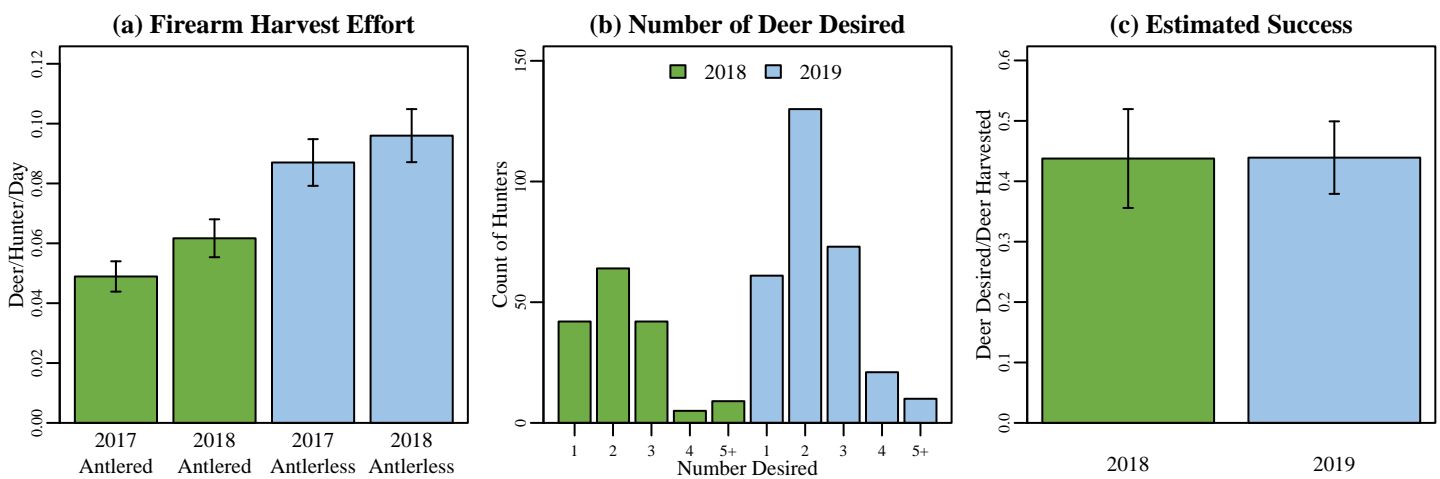
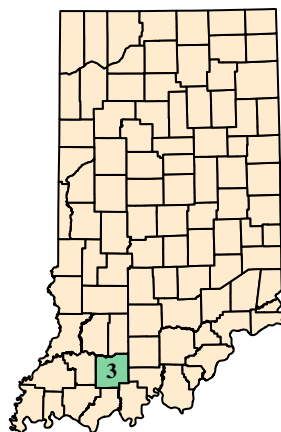


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Dubois County Map



## (b) Deer Habitat in Dubois County

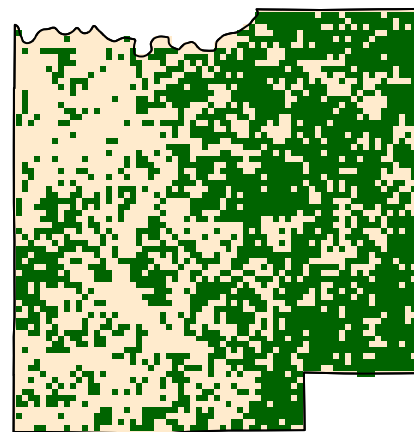


Figure 3. (a) Dubois County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Dubois County.

# Dubois County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

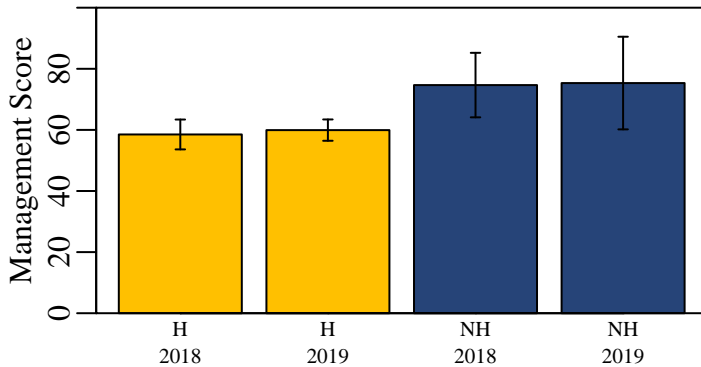


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

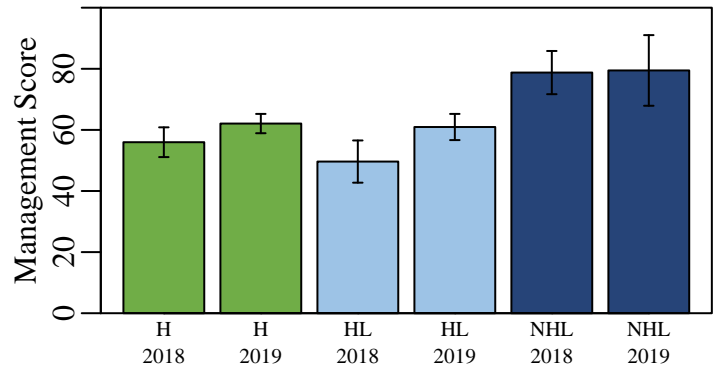


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

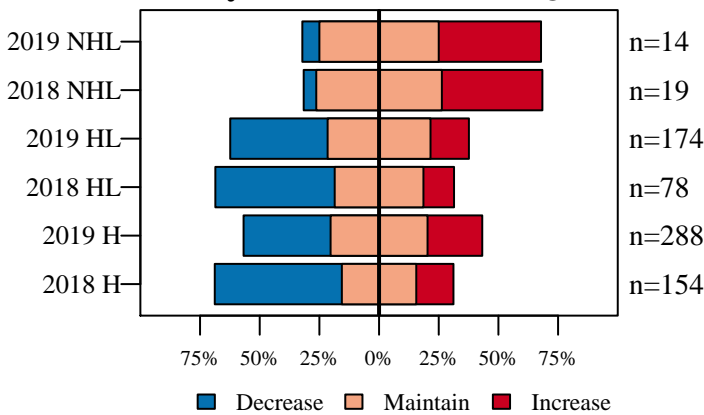


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

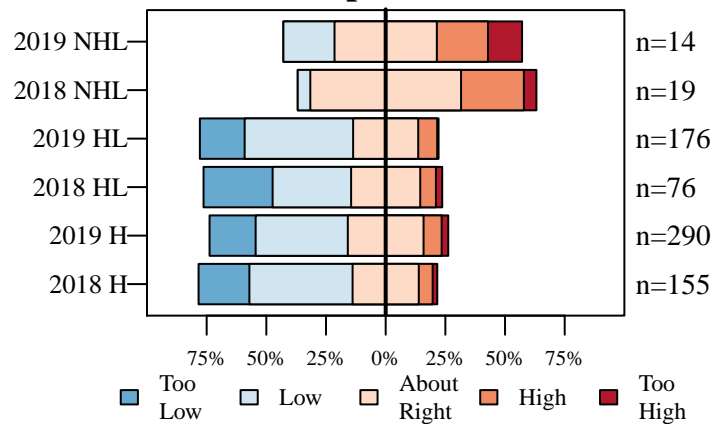


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

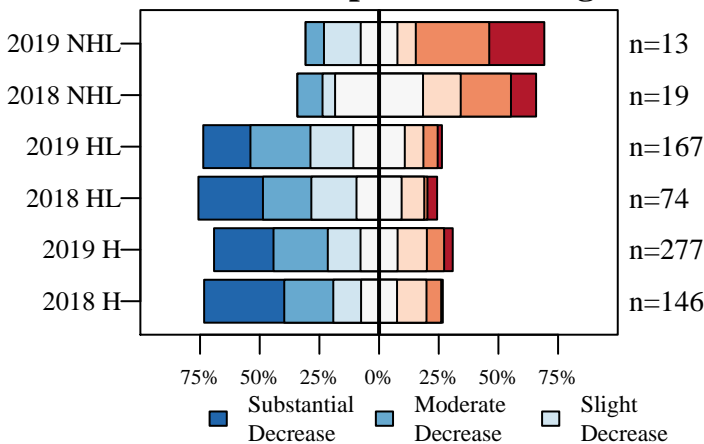


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

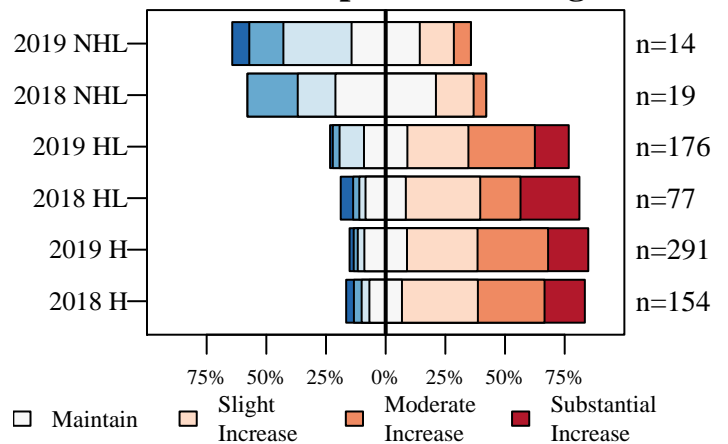


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Dubois County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

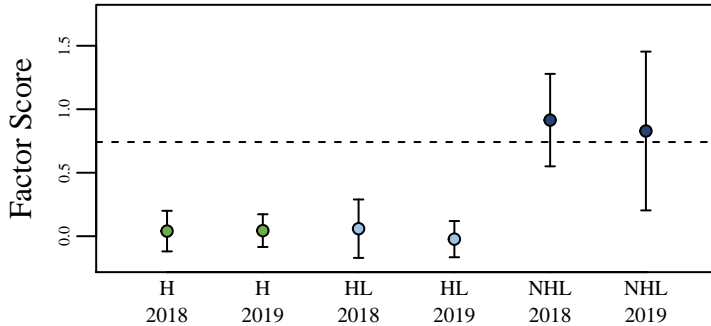


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

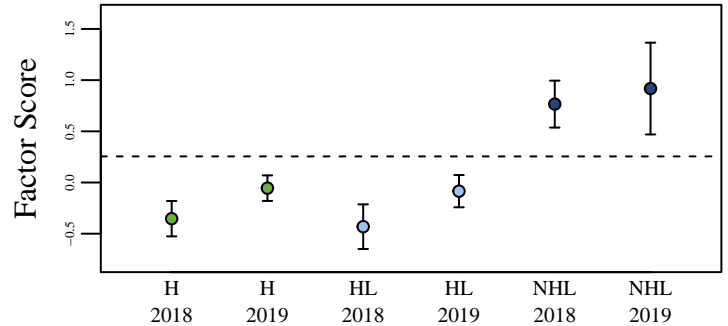


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

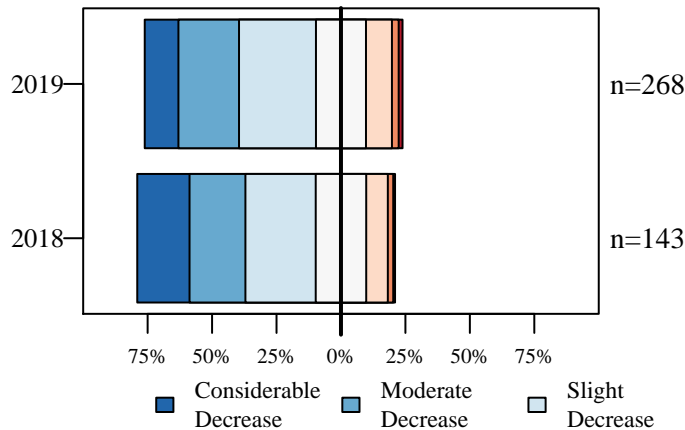


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

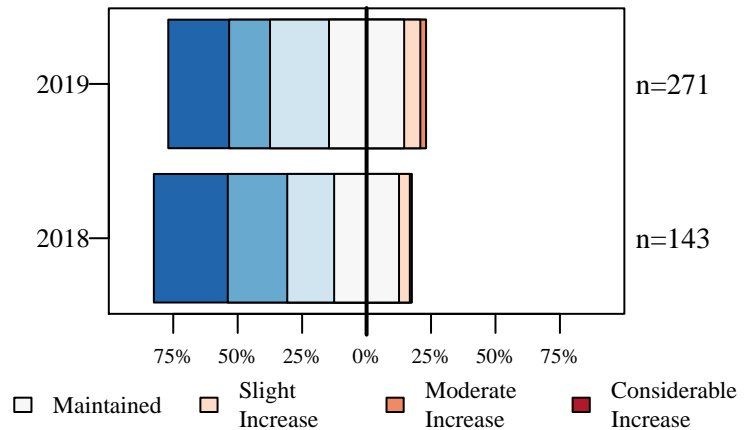


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

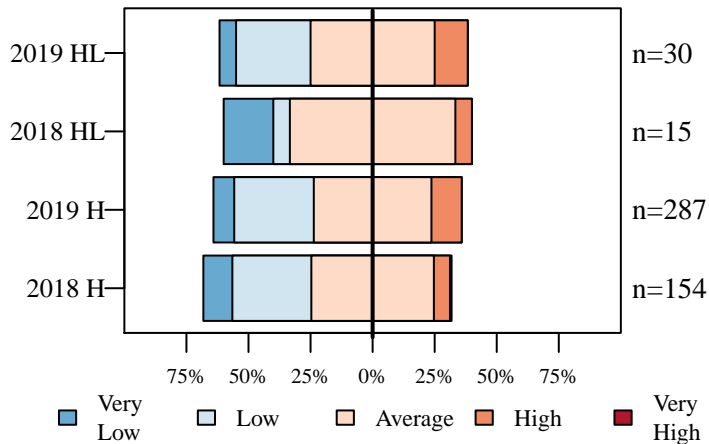


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

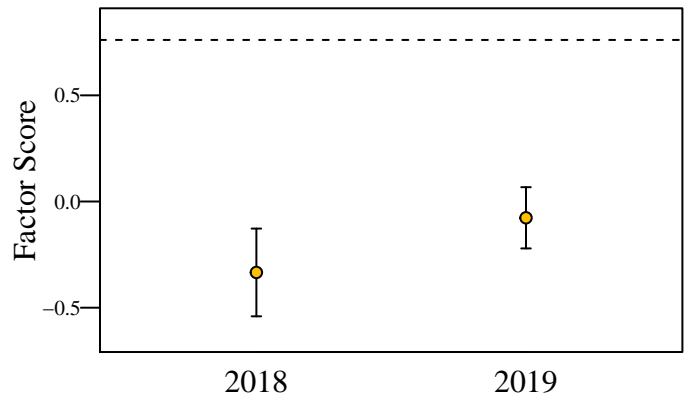


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Elkhart County

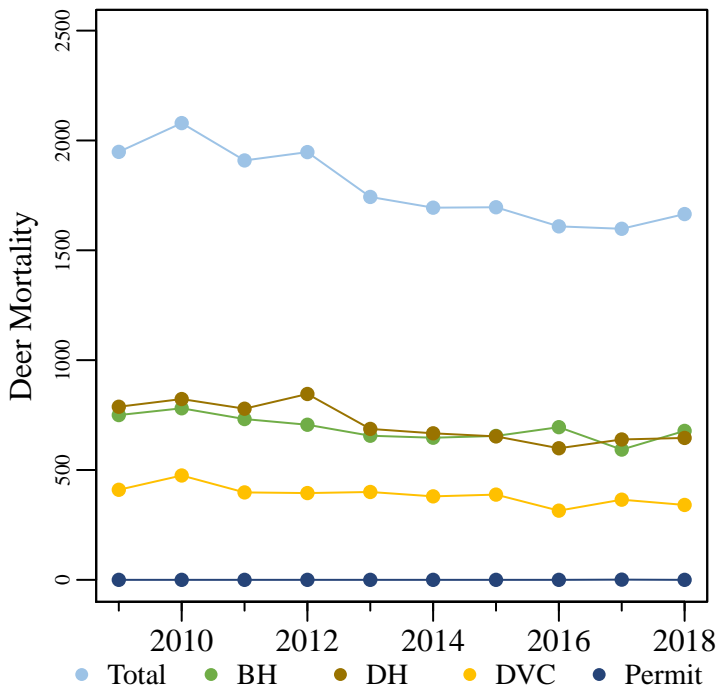
6/26/2019

Total Square Miles: 468  
 Square Miles of Deer Habitat: 139  
 Percent Deer Habitat: 30

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,319		733		5.27	586		4.22	44.43		352		2
2006	1,324		706		5.08	618		4.45	46.68		432		2
2007	1,337		696		5.01	641		4.61	47.94		446		2
2008	1,522		766		5.51	756		5.44	49.67		435		3
2009	1,538		750		5.40	788		5.67	51.24		410		8
2010	1,604	1.75	781	1.73	5.62	823	1.63	5.92	51.31		475	1.60	8
2011	1,511	0.36	732	-0.21	5.27	779	0.59	5.60	51.56		398	-1.75	8
2012	1,552	0.50	706	-1.19	5.08	846	1.28	6.09	54.51		395	-1.24	8
2013	1,343	-5.58	656	-3.11	4.72	687	-3.10	4.94	51.15		400	-0.68	4
2014	1,314	-1.97	647	-1.65	4.65	667	-1.93	4.80	50.76		380	-1.06	4
2015	1,308	-1.21	655	-0.89	4.71	653	-1.34	4.70	49.92		388	-0.58	4
2016	1,294	-0.96	695	0.42	5.00	599	-1.54	4.31	46.29	0	315	-9.42	4
2017	1,232	-1.21	593	-2.95	4.27	639	-0.55	4.60	51.87	1	365	-0.44	4
2018	1,324	0.63	678	0.79	4.88	646	-0.09	4.65	48.79	0	341	-1.21	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

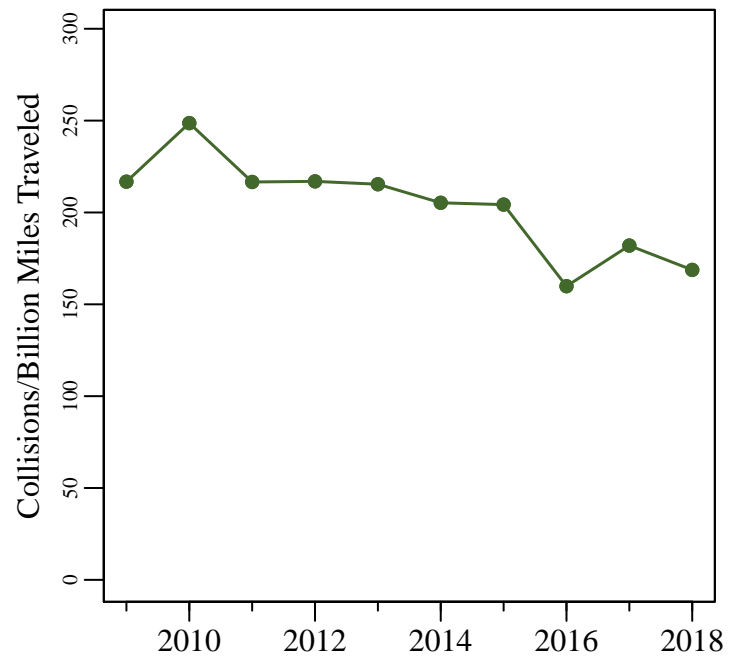


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Elkhart County

6/26/2019

Total Square Miles: 468  
 Square Miles of Deer Habitat: 139  
 Percent Deer Habitat: 30

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,015	517	498	0	0	389	487	107	21	9	2	0	0	0	0	0
2016	1,001	454	541	6	0	423	446	106	22	3	1	0	0	0	0	0
2017	924	481	436	7	0	322	469	105	16	7	4	0	1	0	0	0
2018	991	451	536	4	0	373	491	97	26	3	1	0	0	0	0	0

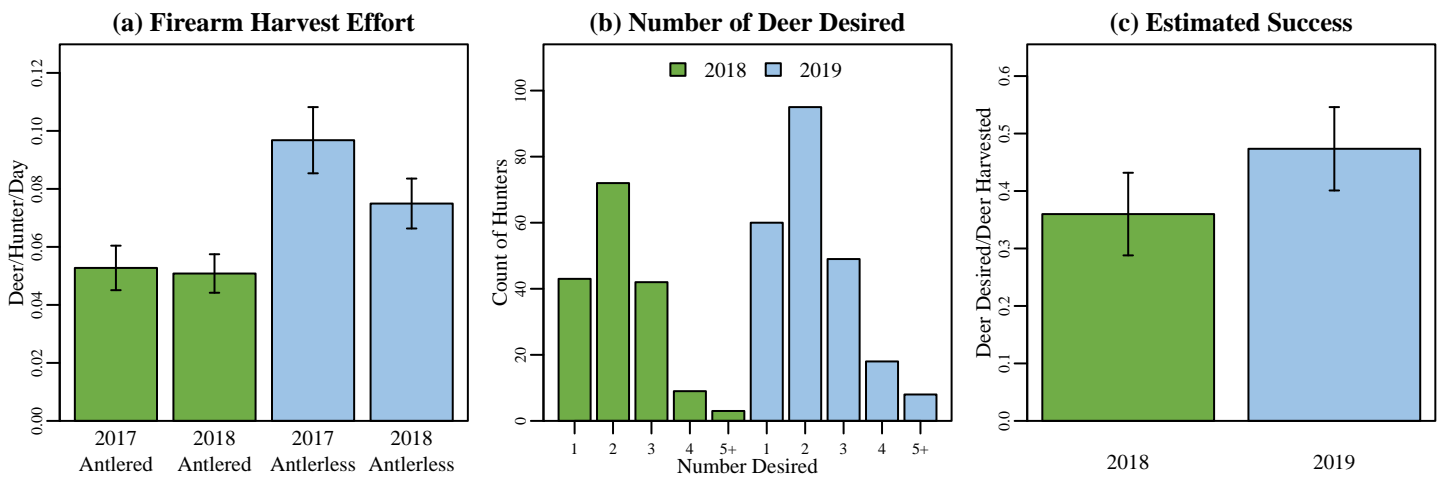
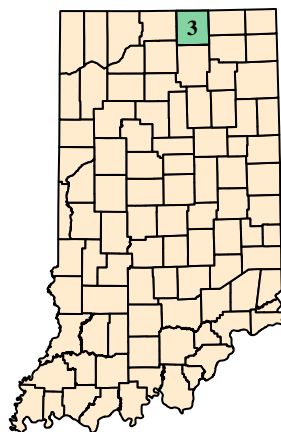


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Elkhart County Map



## (b) Deer Habitat in Elkhart County

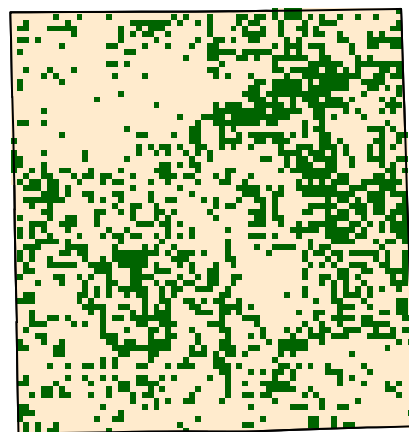


Figure 3. (a) Elkhart County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Elkhart County.

# Elkhart County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

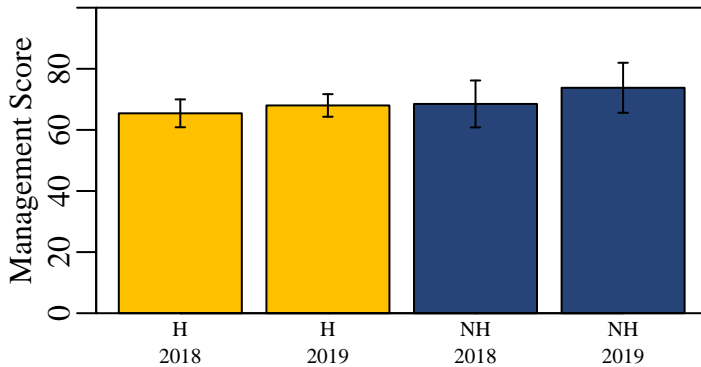


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

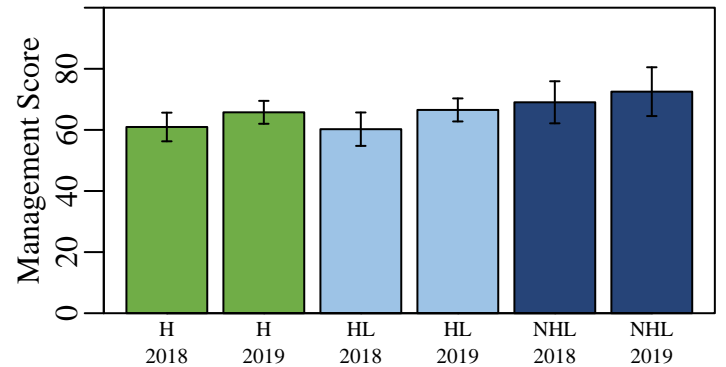


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

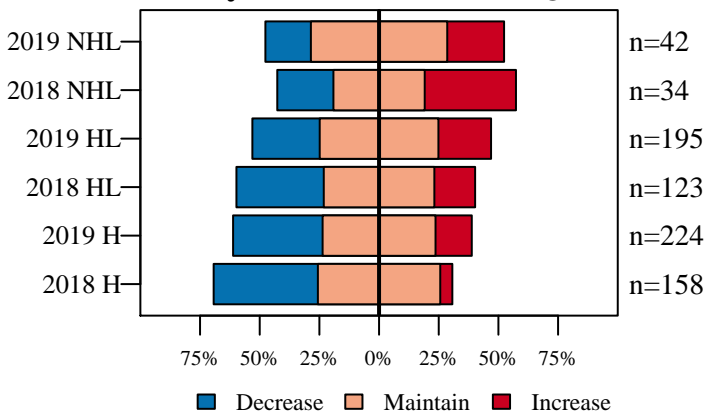


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

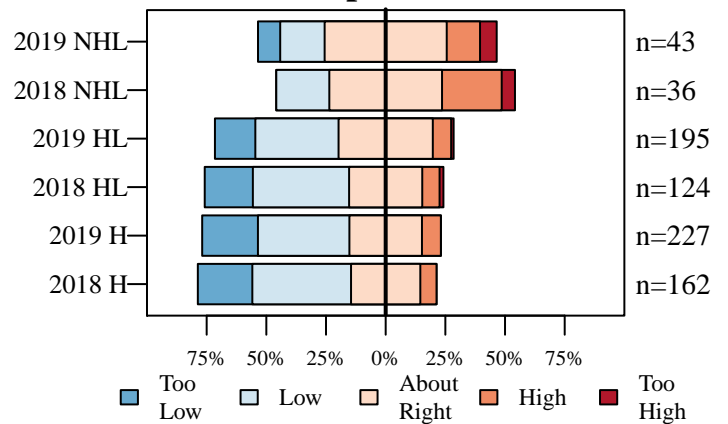


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

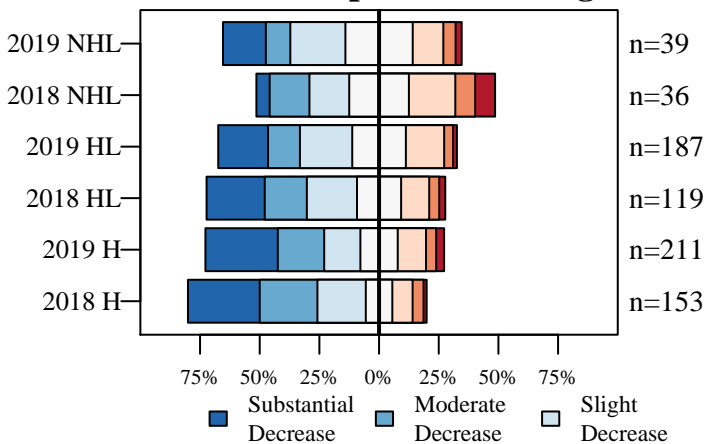


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

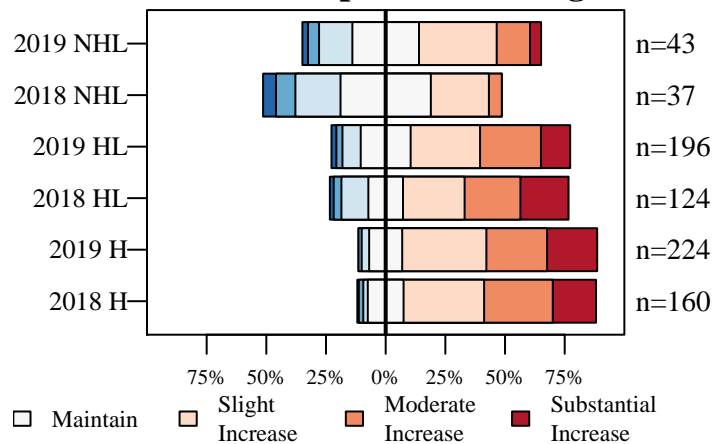


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Elkhart County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

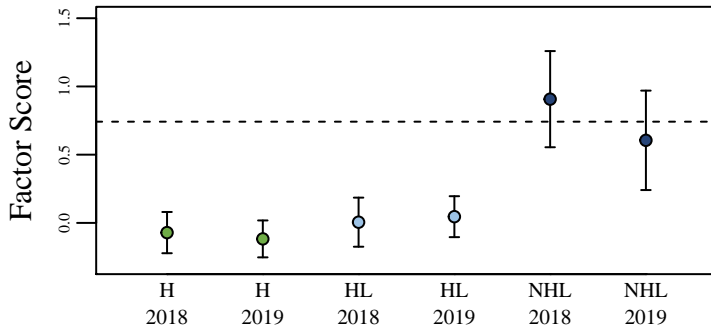


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

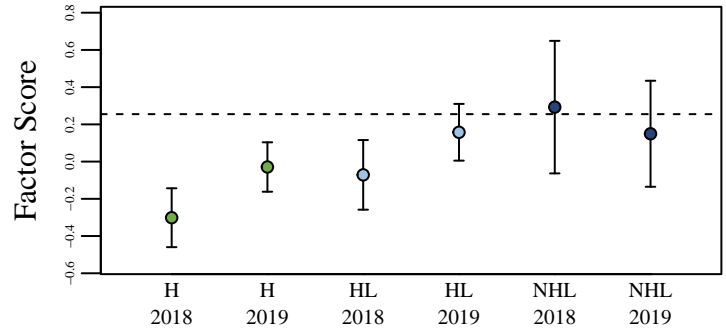


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

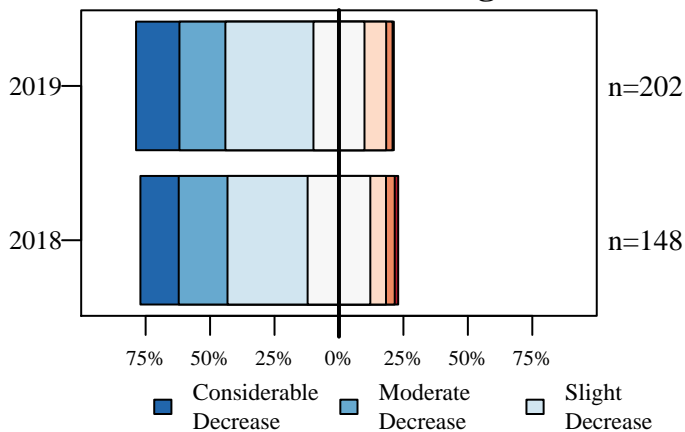


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

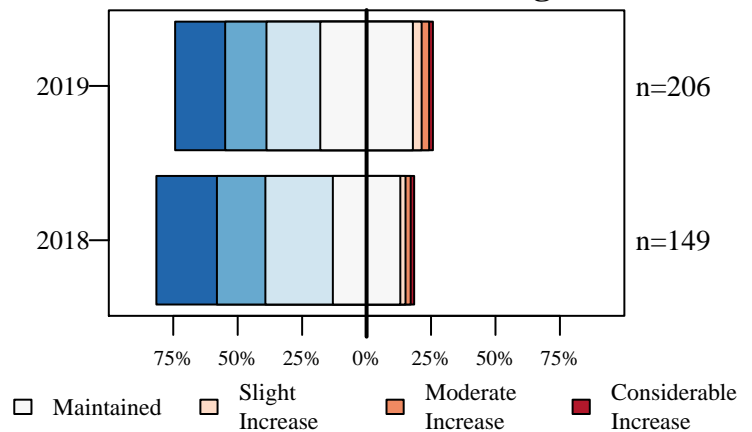


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

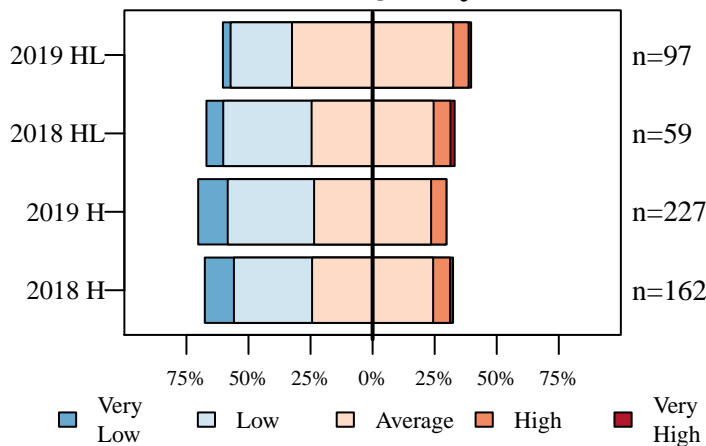


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

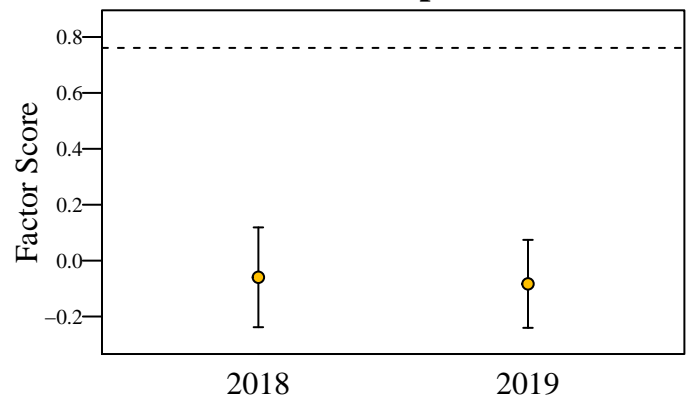


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Fayette County

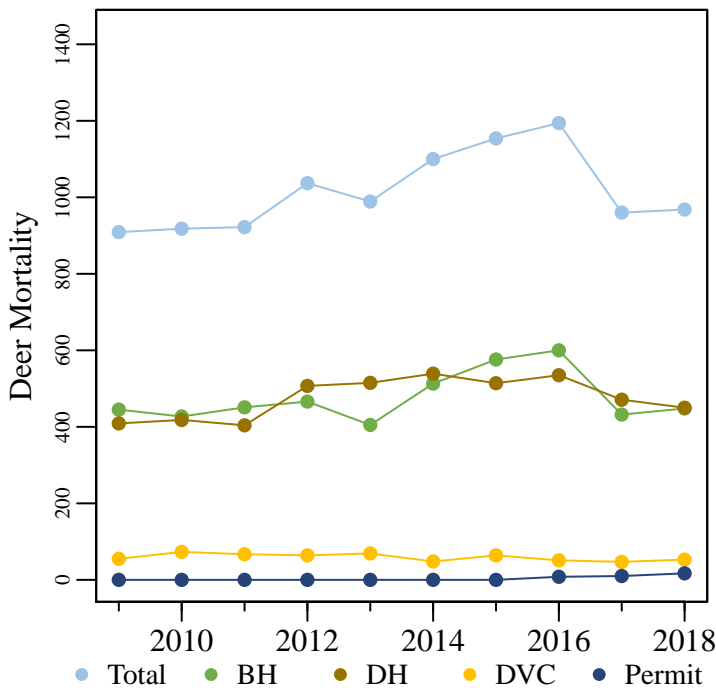
6/26/2019

Total Square Miles: 215  
 Square Miles of Deer Habitat: 83  
 Percent Deer Habitat: 38

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	616		341		4.11	275		3.31	44.64		65		2
2006	645		331		3.99	314		3.78	48.68		81		2
2007	630		355		4.28	275		3.31	43.65		77		2
2008	701		356		4.29	345		4.16	49.22		78		3
2009	854		445		5.36	409		4.93	47.89		55		3
2010	845	1.60	427	1.35	5.14	418	1.68	5.04	49.47		73	0.16	4
2011	855	1.11	451	1.36	5.43	404	0.85	4.87	47.25		67	-0.56	4
2012	973	1.87	466	1.24	5.61	507	2.26	6.11	52.11		64	-0.64	4
2013	920	0.77	405	-0.56	4.88	515	1.69	6.20	55.98		69	0.18	4
2014	1,052	2.93	513	3.16	6.18	539	1.59	6.49	51.24		48	-2.60	4
2015	1,090	1.87	576	3.01	6.94	514	0.61	6.19	47.16		64	-0.02	4
2016	1,135	1.64	600	1.81	7.23	535	0.74	6.45	47.14	8	51	-1.37	4
2017	903	-1.50	432	-1.00	5.20	471	-3.62	5.67	52.16	10	47	-1.54	4
2018	898	-1.18	448	-0.67	5.40	450	-2.40	5.42	50.11	17	53	-0.59	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

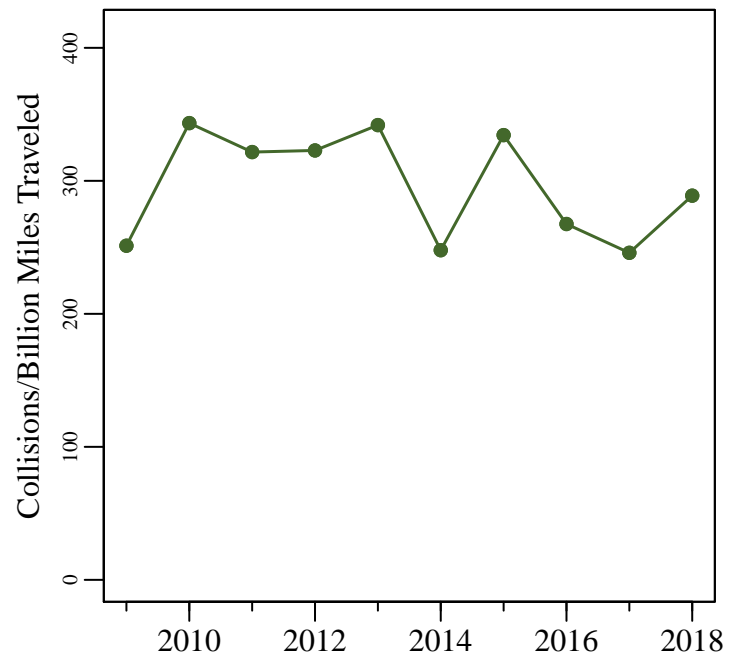


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Fayette County

6/26/2019

Total Square Miles: 215  
 Square Miles of Deer Habitat: 83  
 Percent Deer Habitat: 38

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	797	354	440	3	0	312	360	100	17	7	1	0	0	0	0	0
2016	814	365	424	24	1	322	365	99	19	6	2	1	0	0	0	0
2017	659	332	326	1	0	232	311	90	21	4	1	0	0	0	0	0
2018	697	341	354	2	0	268	339	72	15	3	0	0	0	0	0	0

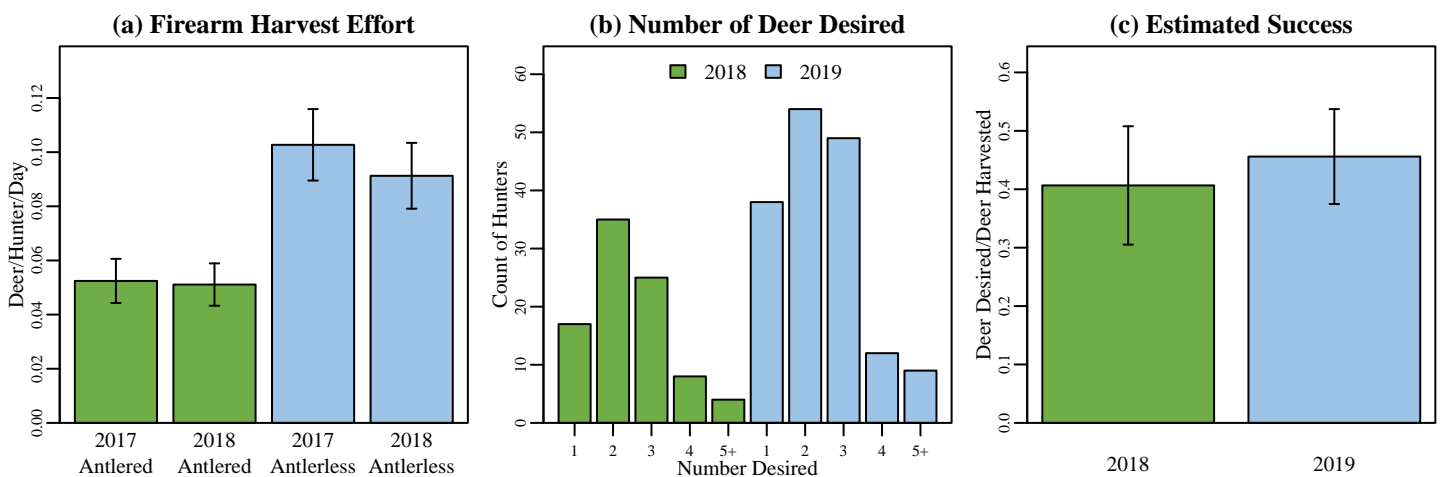
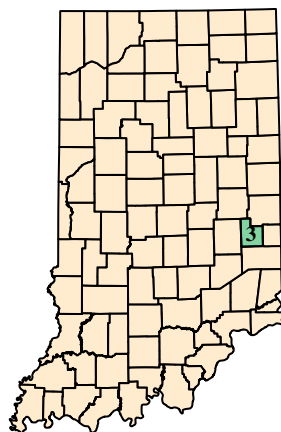


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Fayette County Map



## (b) Deer Habitat in Fayette County

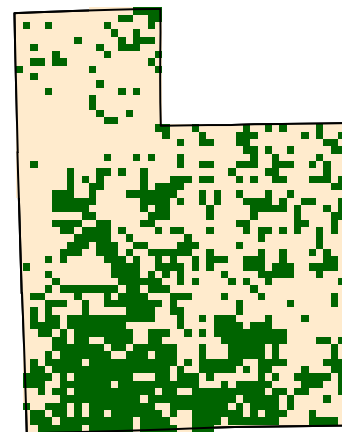


Figure 3. (a) Fayette County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Fayette County.

# Fayette County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

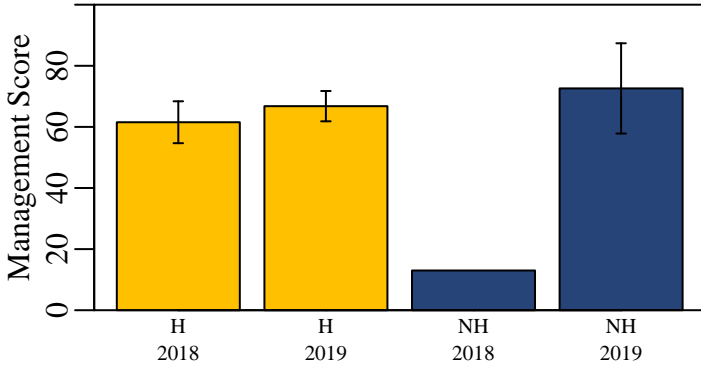


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

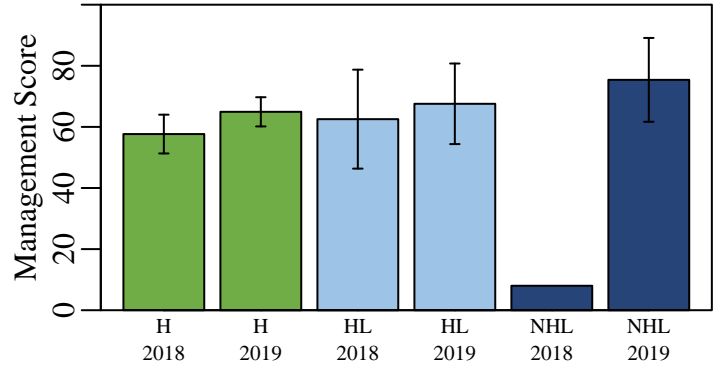


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

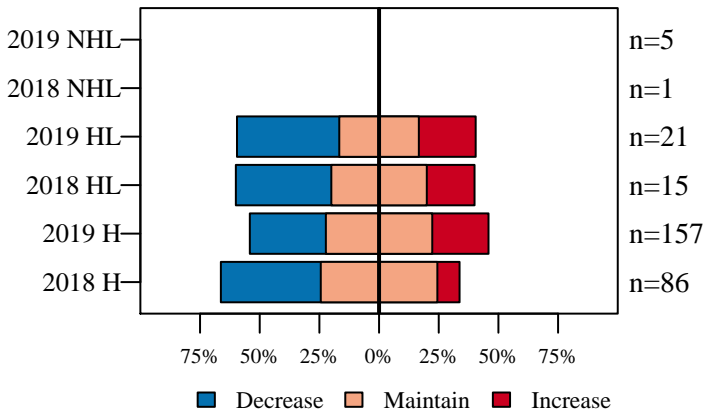


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

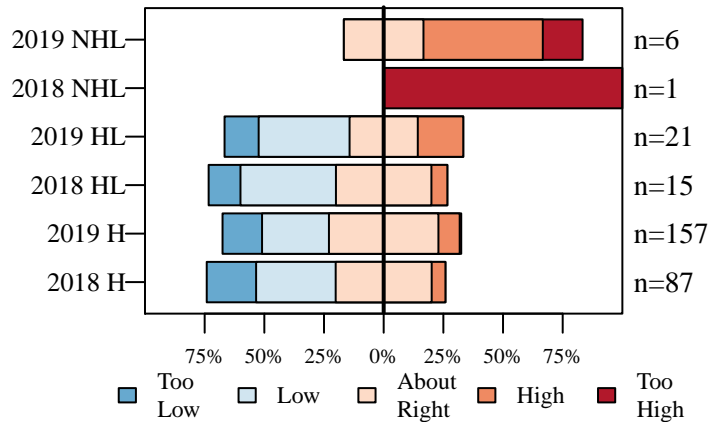


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

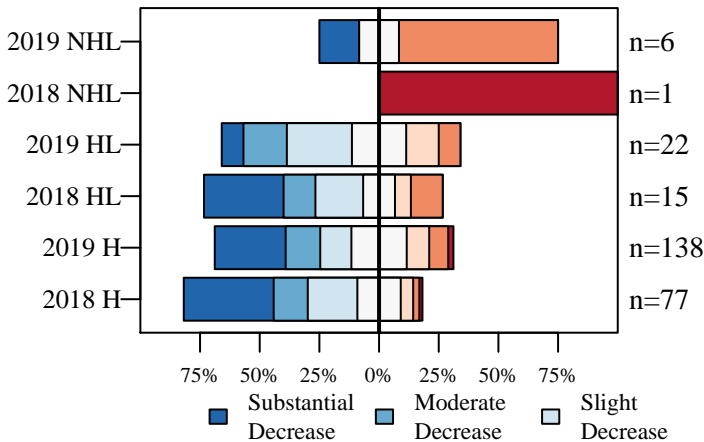


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

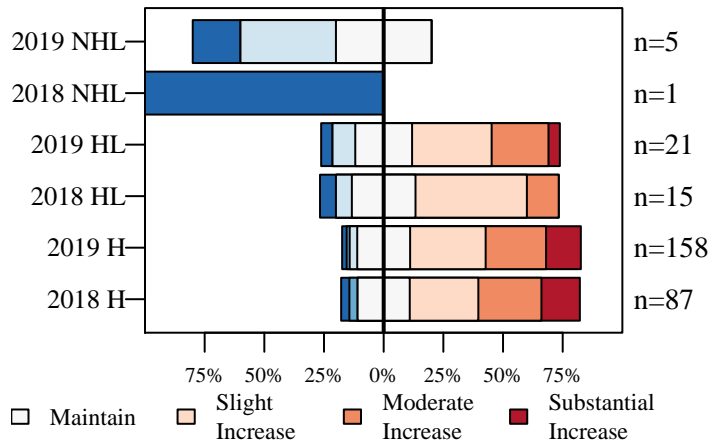


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Fayette County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

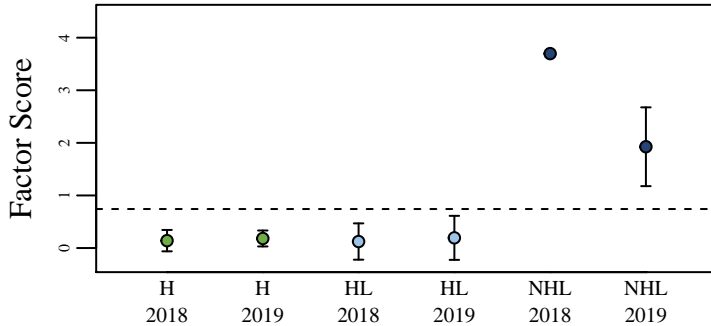


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

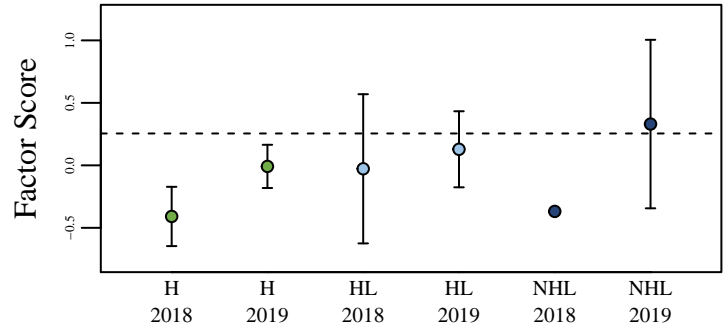


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

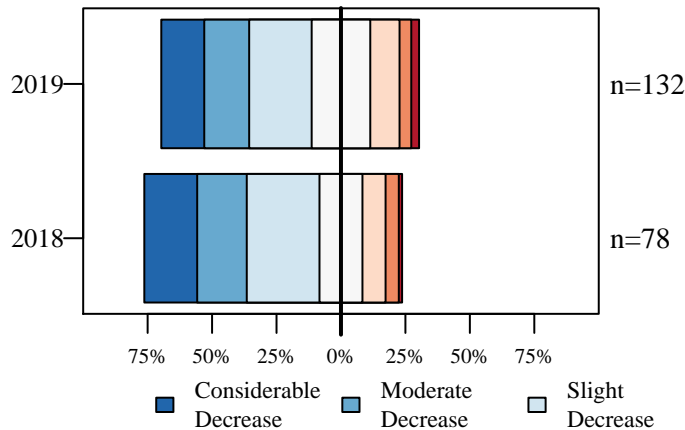


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

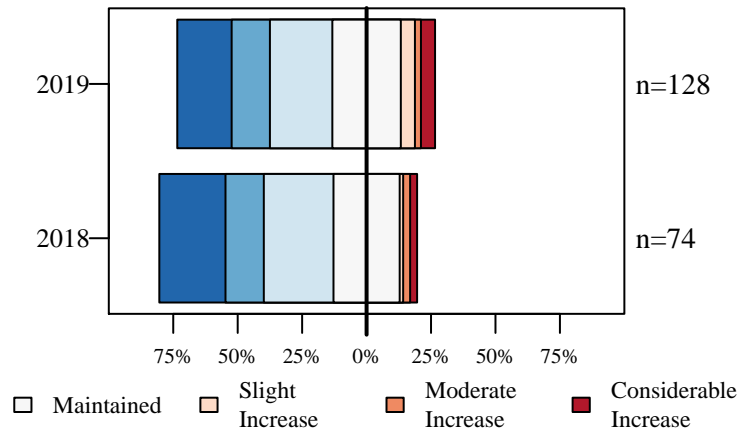


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

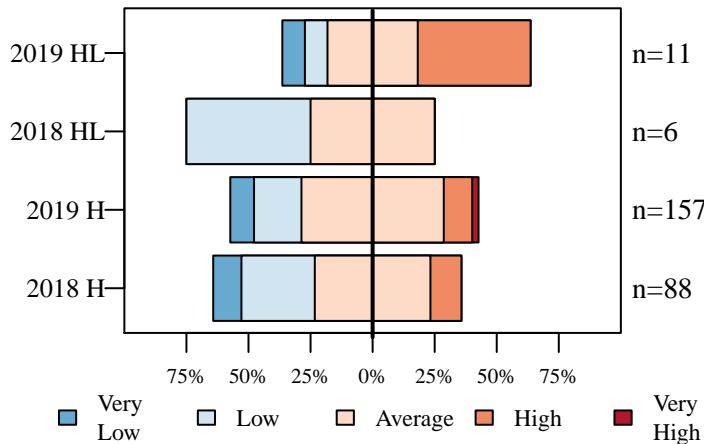


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

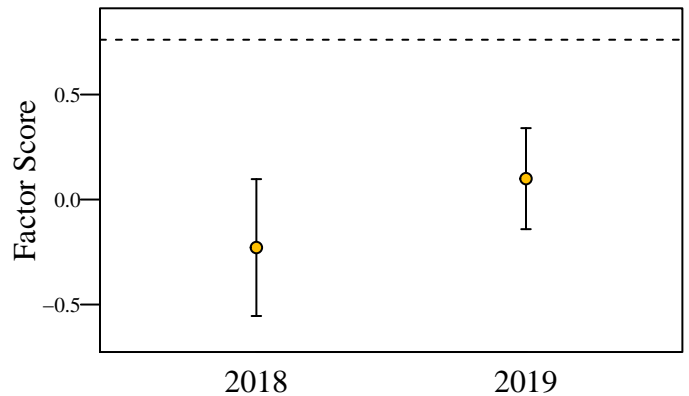


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Floyd County

6/26/2019

Total Square Miles: 149  
 Square Miles of Deer Habitat: 121  
 Percent Deer Habitat: 81

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	555		270		2.23	285		2.36	51.35		150		8
2006	494		249		2.06	245		2.02	49.60		126		8
2007	470		261		2.16	209		1.73	44.47		131		8
2008	611		300		2.48	311		2.57	50.90		122		8
2009	566		300		2.48	266		2.20	47.00		115		8
2010	580	0.72	304	1.21	2.51	276	0.33	2.28	47.59		119	-0.74	8
2011	712	2.81	357	2.88	2.95	355	2.48	2.93	49.86		113	-1.55	8
2012	722	1.54	323	0.54	2.67	399	2.13	3.30	55.26		143	3.25	8
2013	773	1.83	360	1.77	2.98	413	1.65	3.41	53.43		128	0.47	8
2014	821	1.63	389	2.11	3.21	432	1.32	3.57	52.62		144	1.66	8
2015	821	1.10	429	2.47	3.55	392	0.27	3.24	47.75		157	1.98	8
2016	738	-0.61	392	0.51	3.24	346	-1.83	2.86	46.88	11	143	0.36	8
2017	801	0.57	392	0.34	3.24	409	0.39	3.38	51.06	13	158	1.31	8
2018	657	-3.77	332	-2.47	2.74	325	-2.25	2.69	49.47	16	161	1.27	8

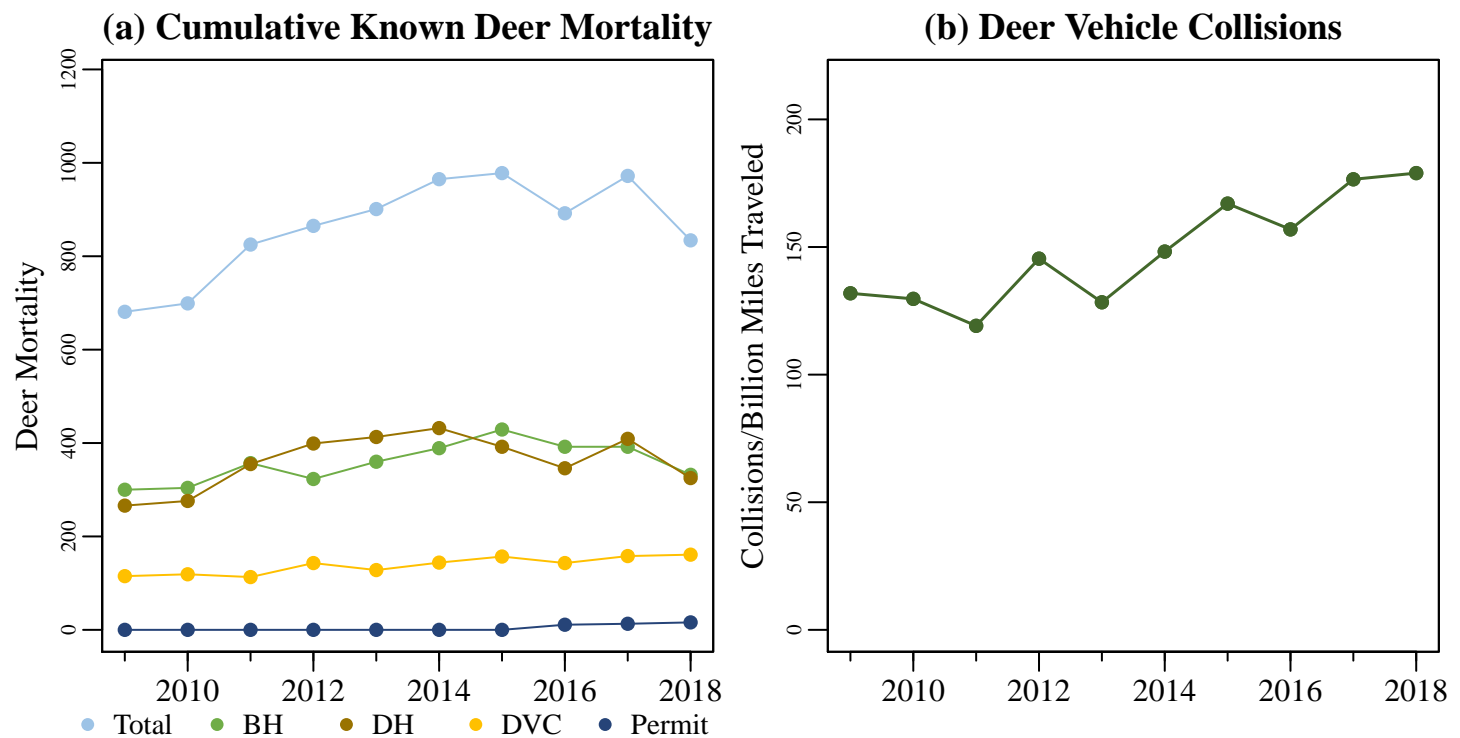


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Floyd County

6/26/2019

Total Square Miles: 149  
 Square Miles of Deer Habitat: 121  
 Percent Deer Habitat: 81

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	613	285	323	5	0	244	273	75	19	2	0	0	0	0	0	0
2016	542	231	308	3	0	233	231	55	15	3	4	1	0	0	0	0
2017	593	290	302	1	0	223	272	80	13	2	1	1	1	0	0	0
2018	499	226	270	3	0	213	211	66	4	2	1	1	1	0	0	0

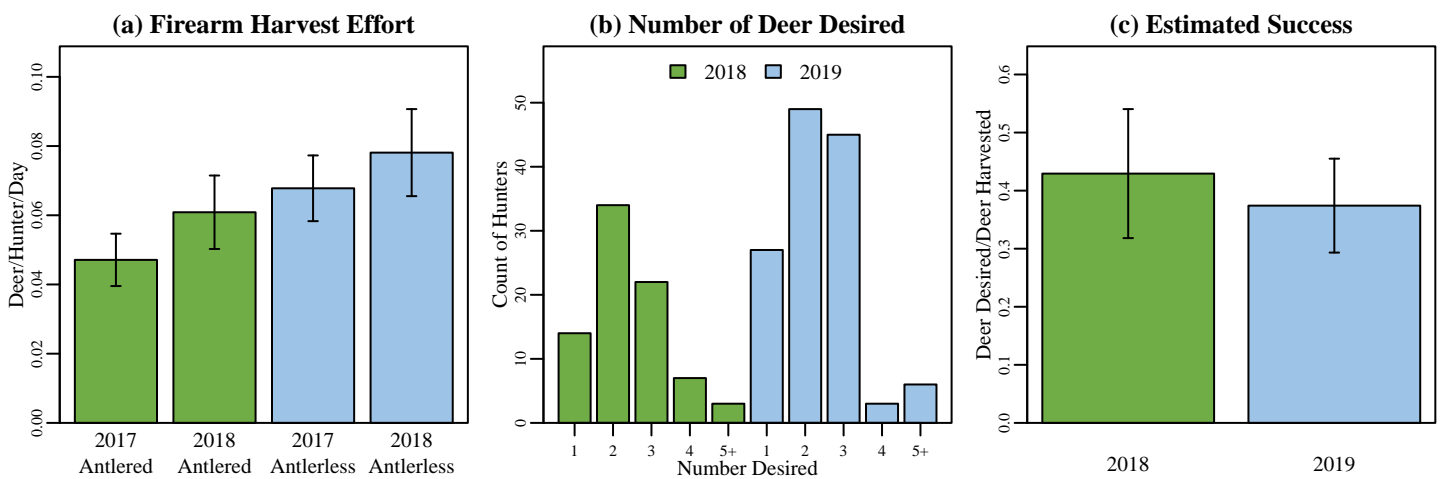
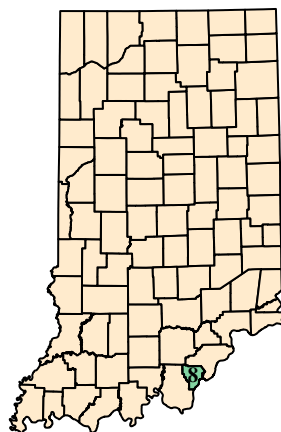


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Floyd County Map



## (b) Deer Habitat in Floyd County

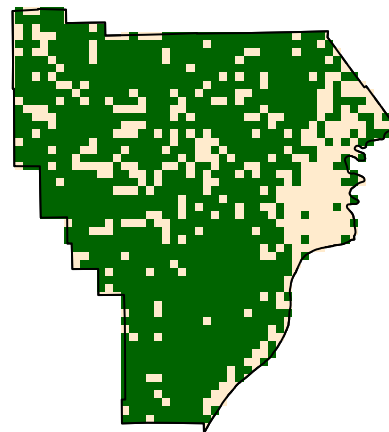


Figure 3. (a) Floyd County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Floyd County.

# Floyd County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

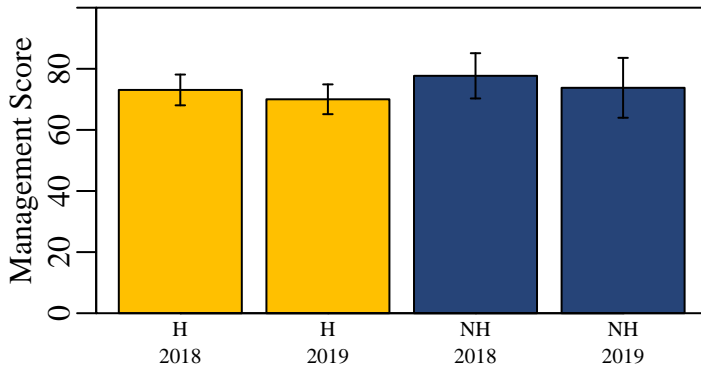


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

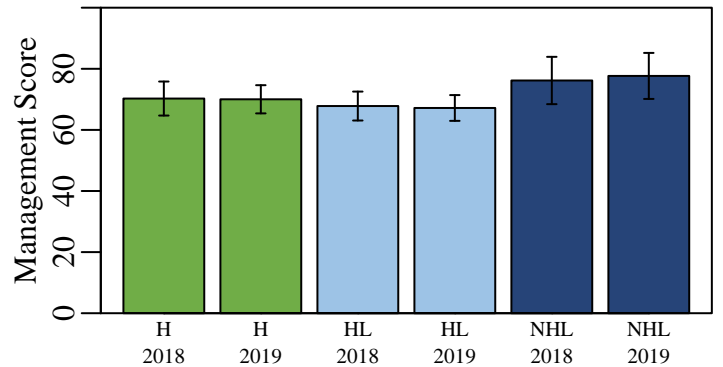


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

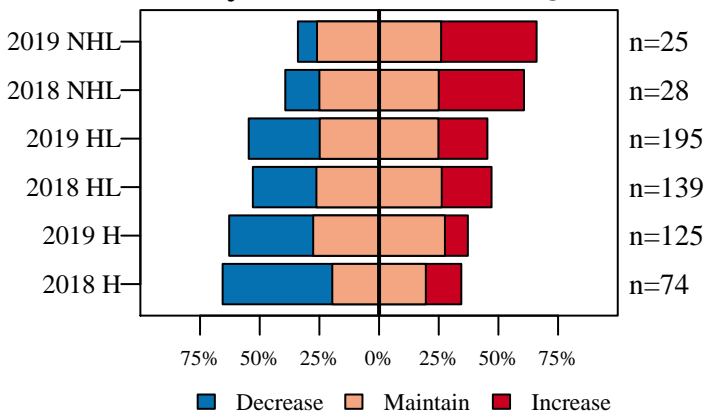


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

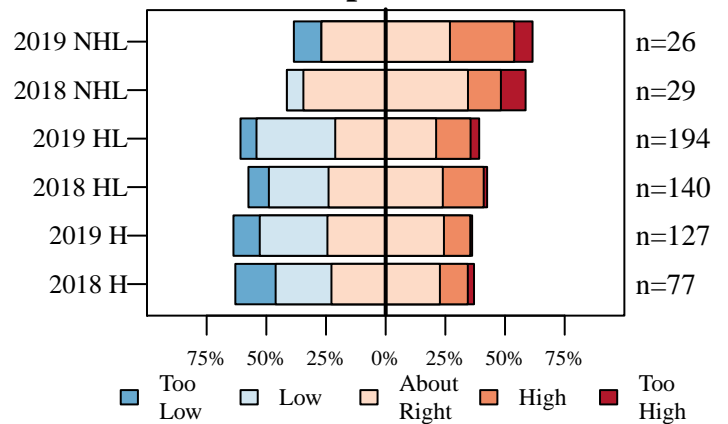


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

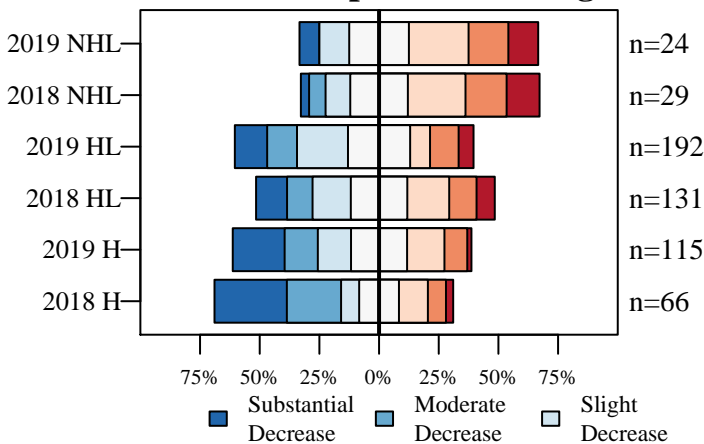


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

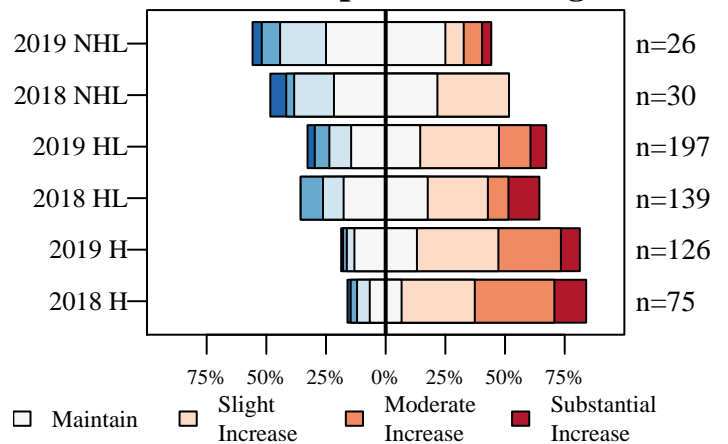


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Floyd County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

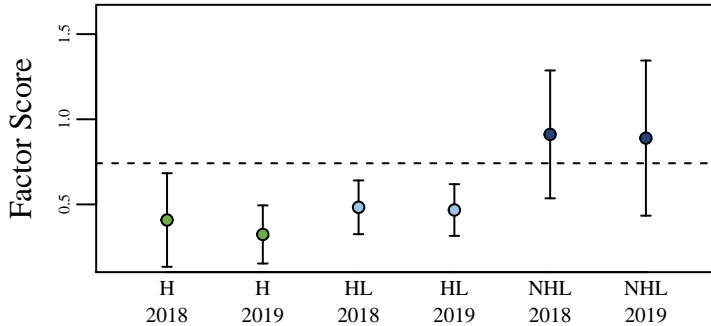


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

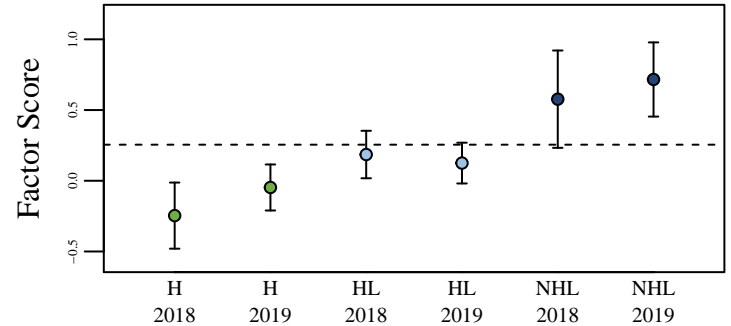


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

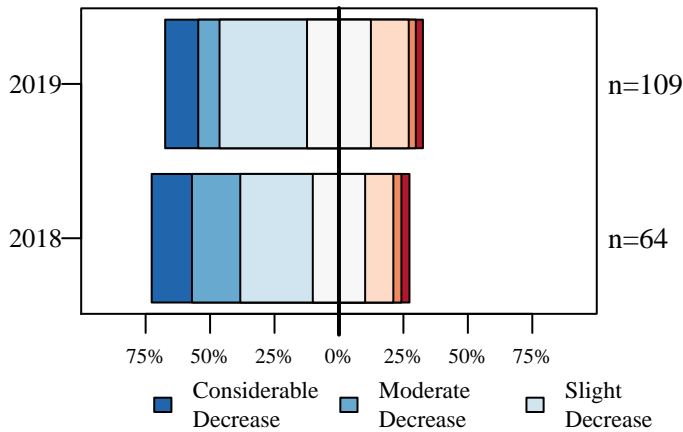


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

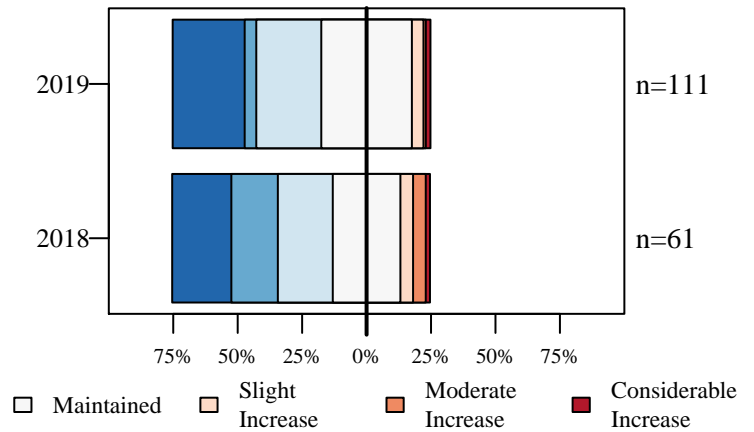


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

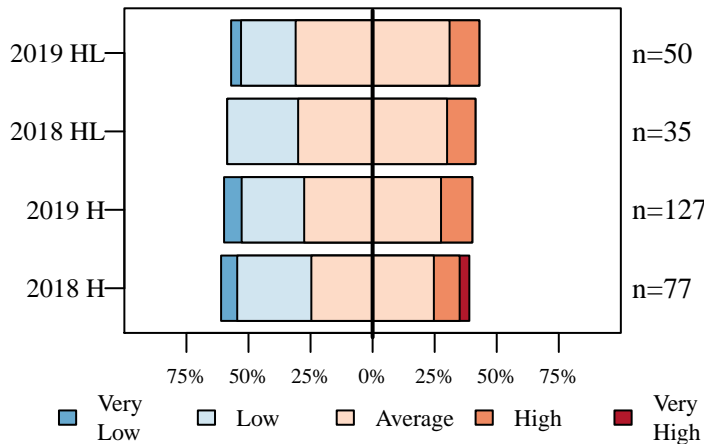


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

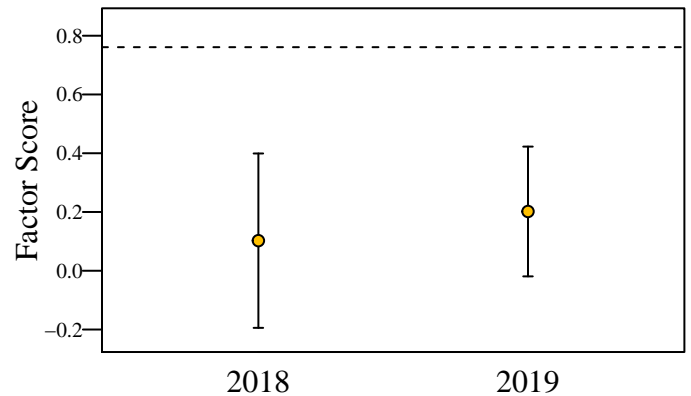


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Fountain County

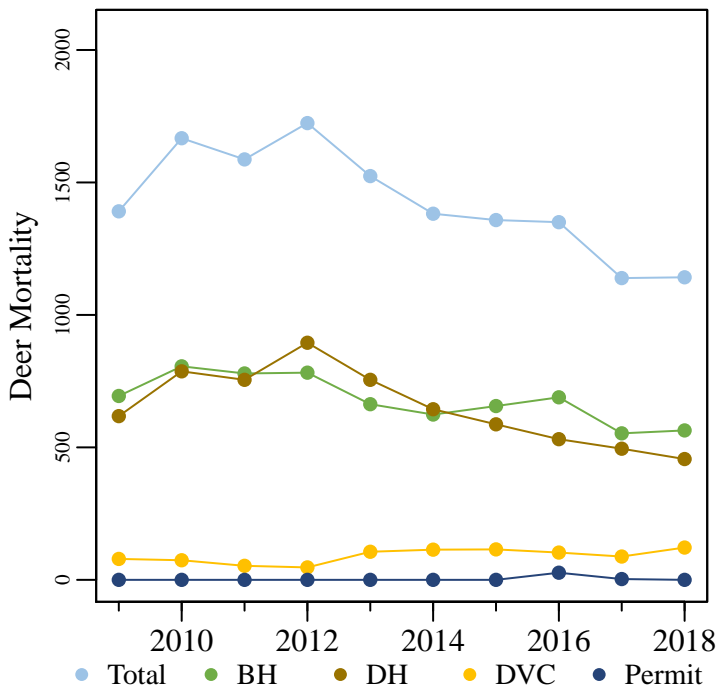
6/26/2019

Total Square Miles: 398  
 Square Miles of Deer Habitat: 99  
 Percent Deer Habitat: 25

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,475		766		7.74	709		7.16	48.07		90		4
2006	1,428		689		6.96	739		7.46	51.75		85		8
2007	1,431		740		7.47	691		6.98	48.29		98		4
2008	1,382		682		6.89	700		7.07	50.65		72		8
2009	1,312		694		7.01	618		6.24	47.10		79		8
2010	1,593	3.03	806	2.49	8.14	787	2.13	7.95	49.40		74	-1.08	8
2011	1,534	1.01	779	1.09	7.87	755	0.77	7.63	49.22		53	-2.74	8
2012	1,677	2.00	782	0.78	7.90	895	2.84	9.04	53.37		47	-1.75	8
2013	1,418	-0.54	663	-1.52	6.70	755	0.04	7.63	53.24		106	2.91	8
2014	1,268	-1.66	624	-1.94	6.30	644	-1.19	6.51	50.79		114	1.80	8
2015	1,243	-1.60	656	-0.92	6.63	587	-2.01	5.93	47.22		115	1.19	8
2016	1,220	-1.14	689	-0.16	6.96	531	-1.65	5.36	43.52	27	103	0.47	8
2017	1,048	-1.66	553	-2.16	5.59	495	-1.29	5.00	47.23	3	88	-0.05	4
2018	1,020	-1.66	564	-1.39	5.70	456	-1.43	4.61	44.71	0	122	1.15	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

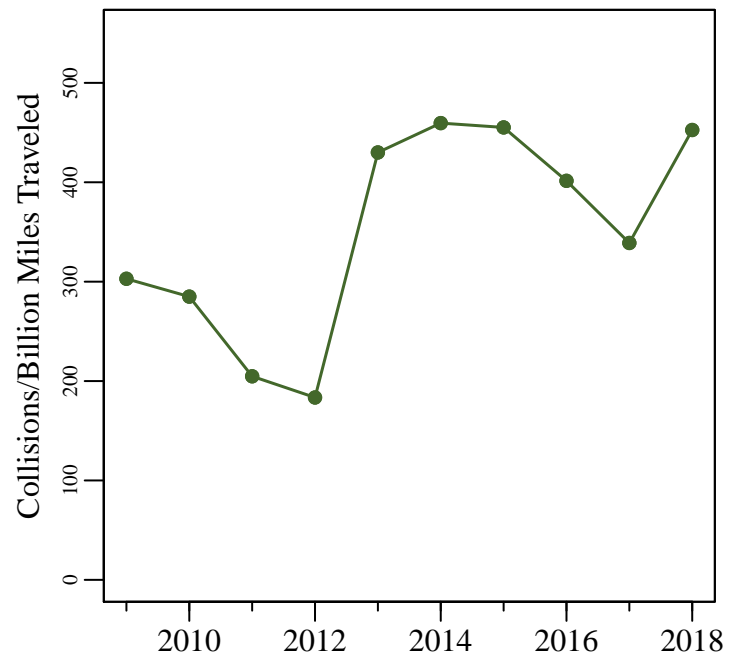


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Fountain County

6/26/2019

Total Square Miles: 398  
 Square Miles of Deer Habitat: 99  
 Percent Deer Habitat: 25

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	921	407	512	2	0	382	386	126	20	6	1	0	0	0	0	0
2016	923	340	580	3	0	451	344	106	14	5	2	1	0	0	0	0
2017	795	364	426	5	0	342	331	95	17	10	0	0	0	0	0	0
2018	783	323	459	1	0	338	343	90	12	0	0	0	0	0	0	0

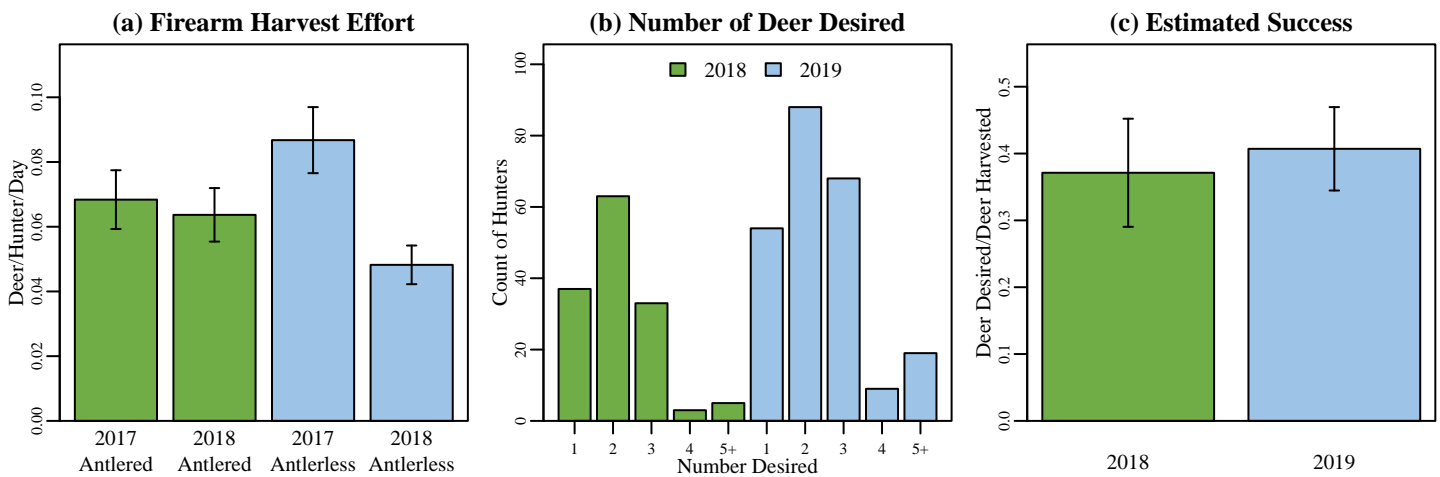
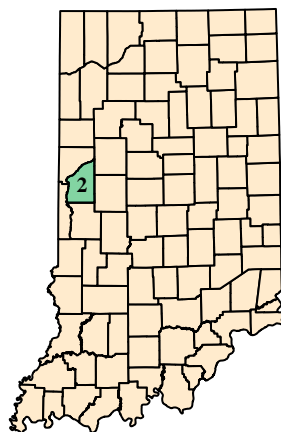


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Fountain County Map



## (b) Deer Habitat in Fountain County

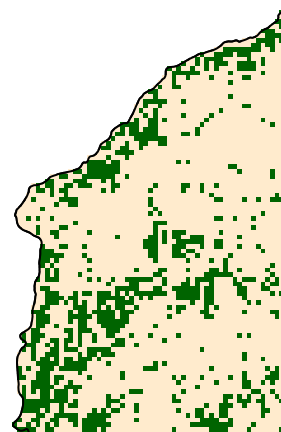


Figure 3. (a) Fountain County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Fountain County.

# Fountain County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

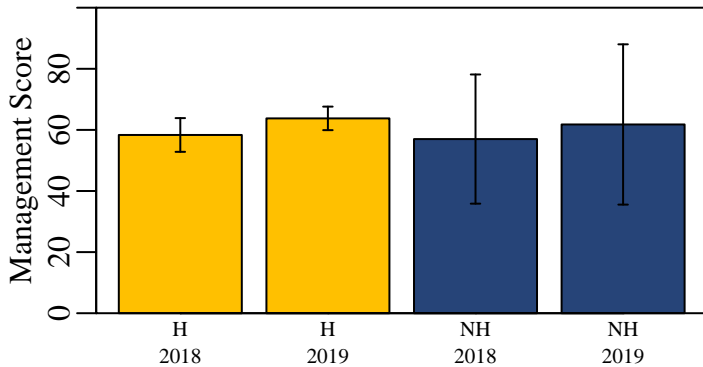


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

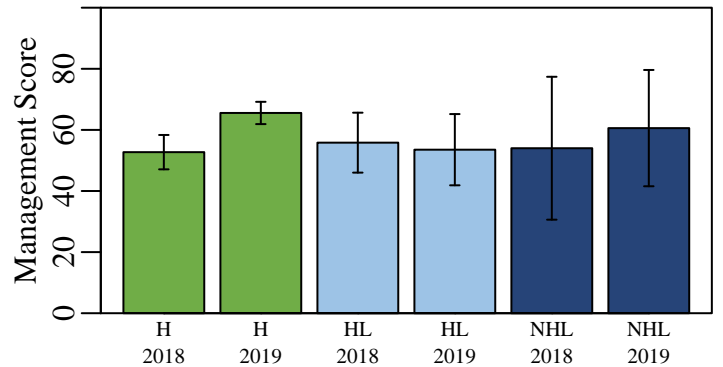


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

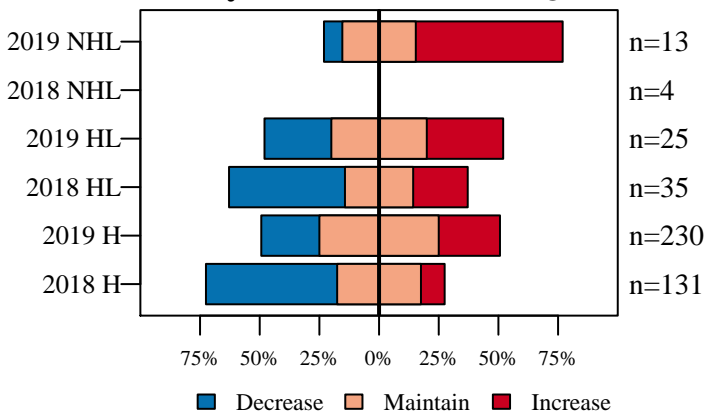


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

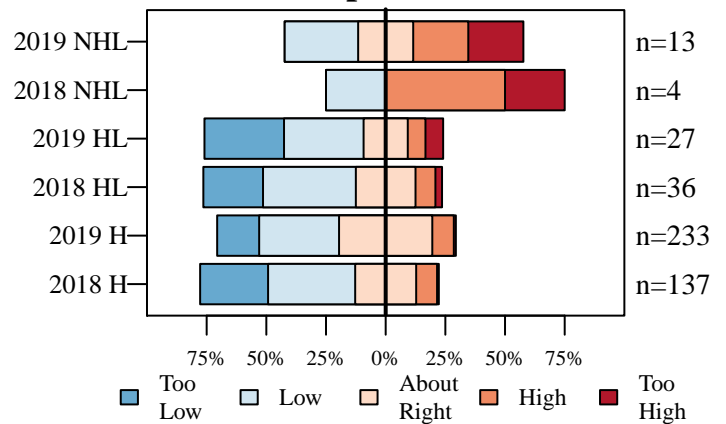


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

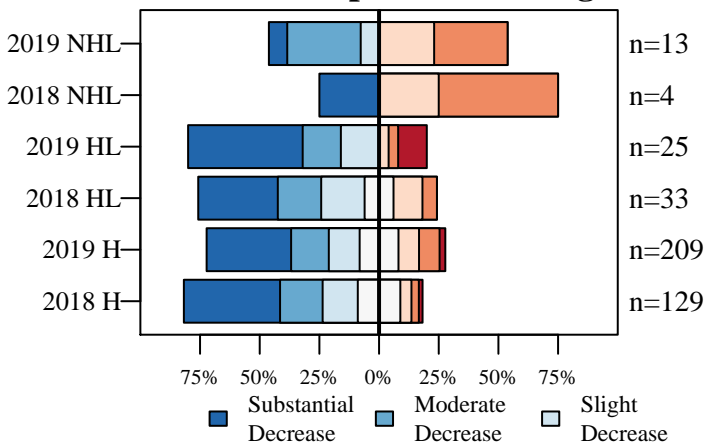


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

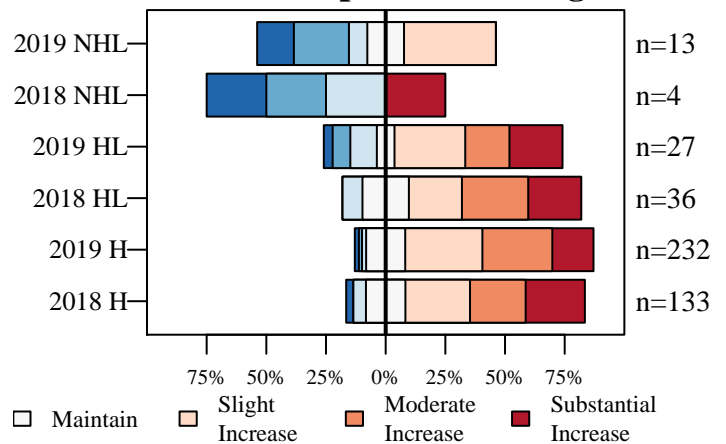


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Fountain County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

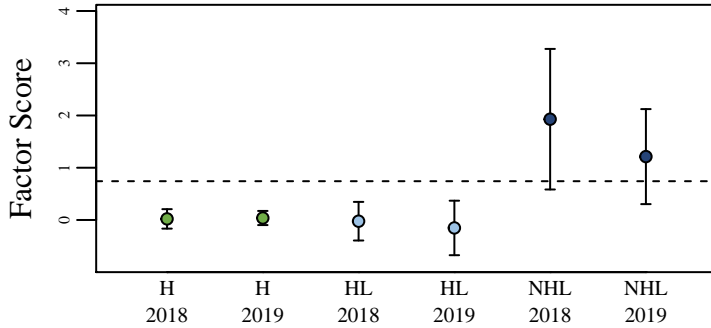


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

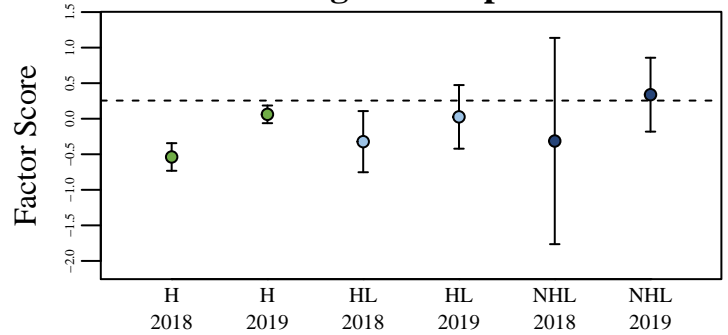


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

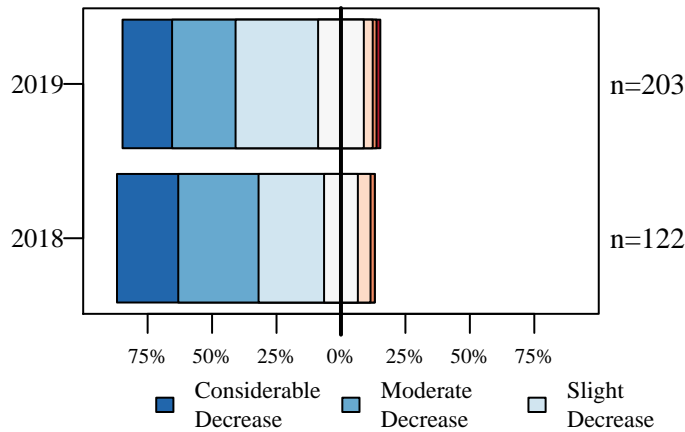


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

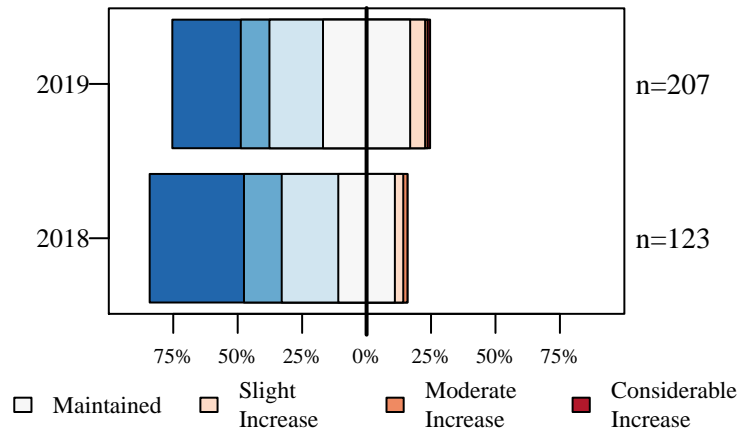


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

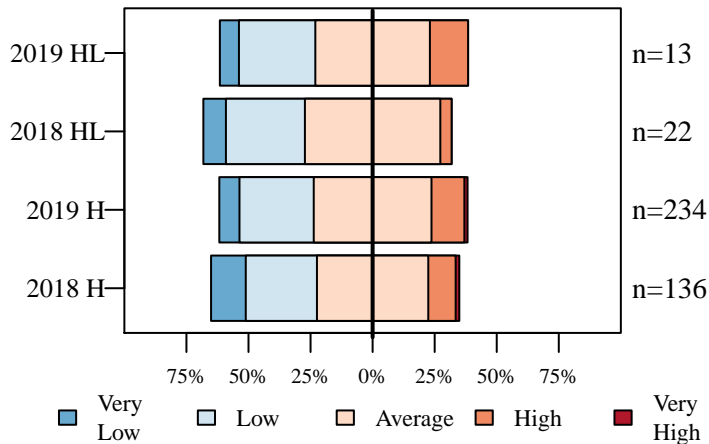


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

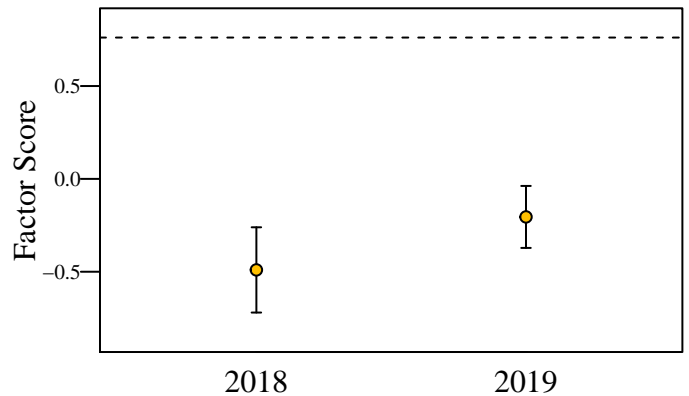


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Franklin County

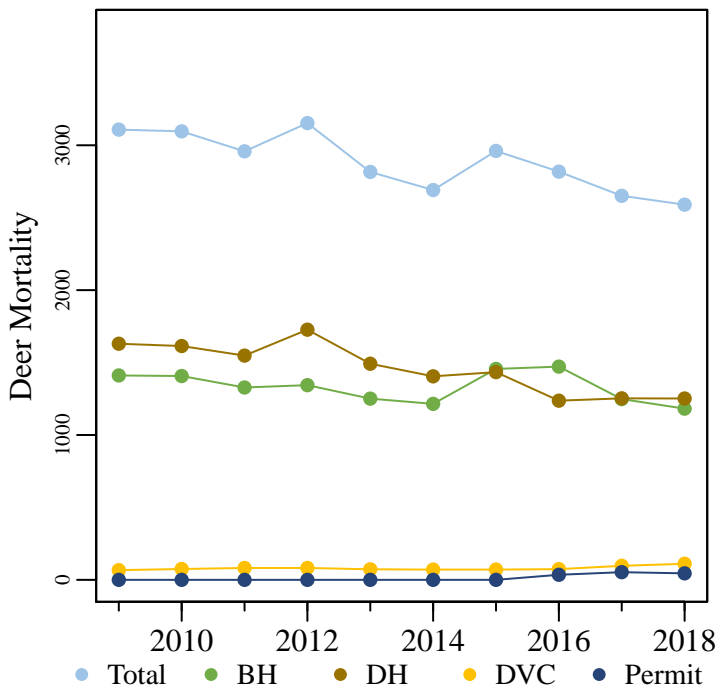
6/26/2019

Total Square Miles: 391  
 Square Miles of Deer Habitat: 256  
 Percent Deer Habitat: 65

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,926		1,371		5.36	1,555		6.07	53.14		45		8
2006	2,719		1,283		5.01	1,436		5.61	52.81		61		8
2007	2,451		1,058		4.13	1,393		5.44	56.83		73		8
2008	2,807		1,227		4.79	1,580		6.17	56.29		70		8
2009	3,041		1,411		5.51	1,630		6.37	53.60		67		8
2010	3,021	1.03	1,407	0.99	5.50	1,614	0.95	6.30	53.43		75	1.06	8
2011	2,876	0.28	1,328	0.35	5.19	1,548	0.16	6.05	53.82		82	2.33	8
2012	3,071	0.97	1,344	0.39	5.25	1,727	1.83	6.75	56.24		82	1.51	8
2013	2,743	-1.91	1,251	-1.23	4.89	1,492	-1.89	5.83	54.39		73	-0.32	8
2014	2,620	-2.39	1,215	-2.03	4.75	1,405	-2.22	5.49	53.63		71	-0.75	8
2015	2,890	0.13	1,456	1.92	5.69	1,434	-1.01	5.60	49.62		71	-1.09	8
2016	2,709	-0.77	1,472	1.64	5.75	1,237	-2.23	4.83	45.66	35	74	-0.31	8
2017	2,501	-1.73	1,248	-0.86	4.88	1,253	-1.16	4.89	50.10	53	97	4.16	8
2018	2,434	-1.79	1,182	-1.17	4.62	1,252	-0.99	4.89	51.44	45	111	3.45	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

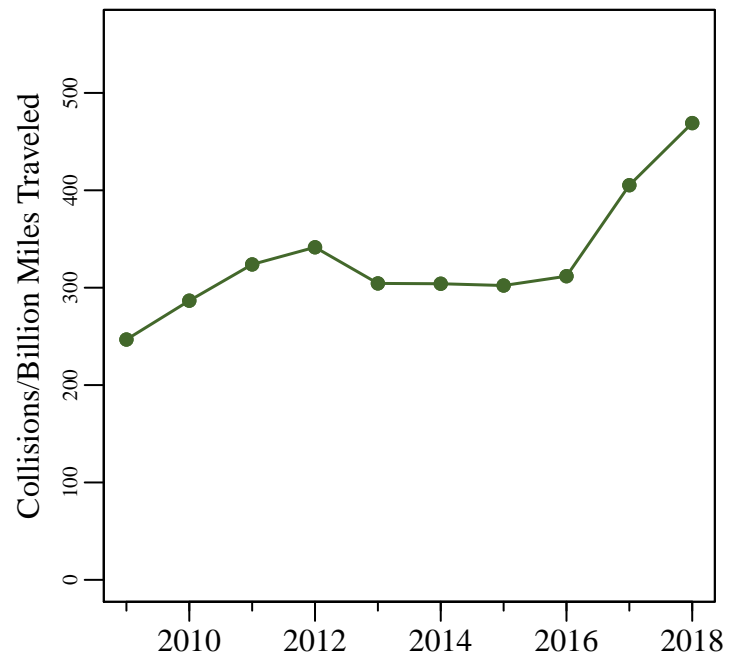


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Franklin County

6/26/2019

Total Square Miles: 391  
 Square Miles of Deer Habitat: 256  
 Percent Deer Habitat: 65

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	2,048	962	1,080	6	0	774	920	248	64	31	4	5	1	0	1	0
2016	1,889	772	1,057	60	0	819	749	226	73	10	8	1	1	0	1	1
2017	1,733	816	912	5	0	676	734	209	67	25	13	5	2	1	1	0
2018	1,714	811	902	1	0	632	757	231	71	17	6	0	0	0	0	0

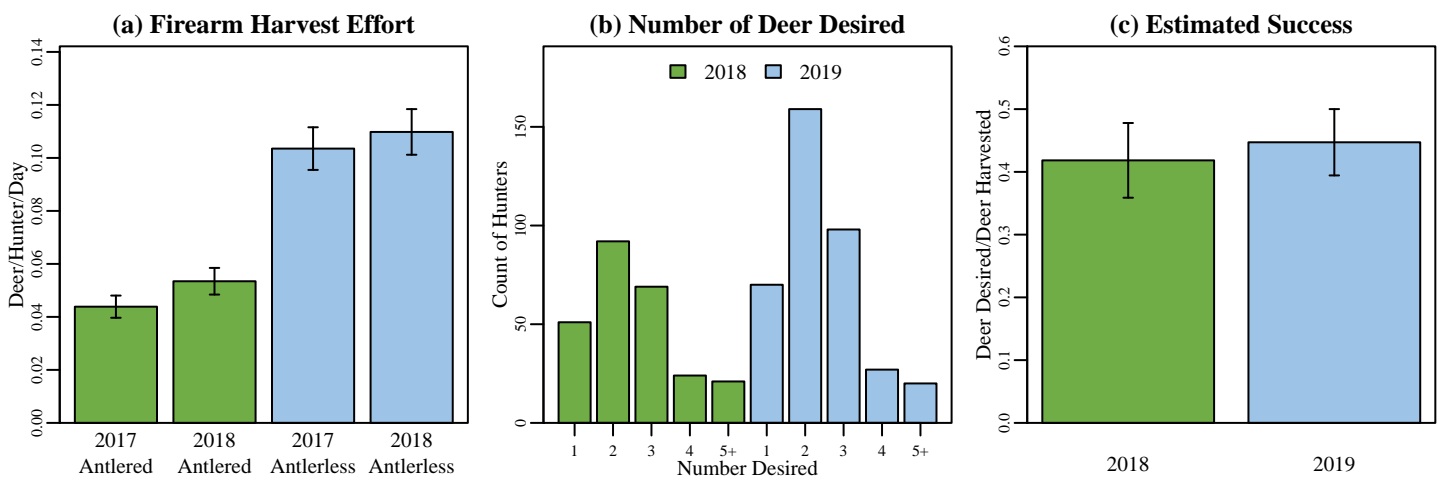
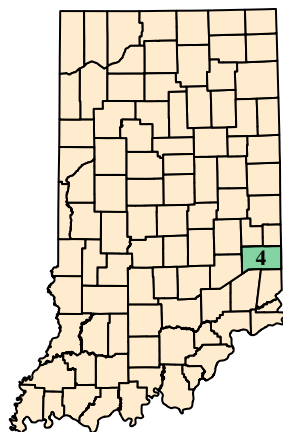


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Franklin County Map



## (b) Deer Habitat in Franklin County

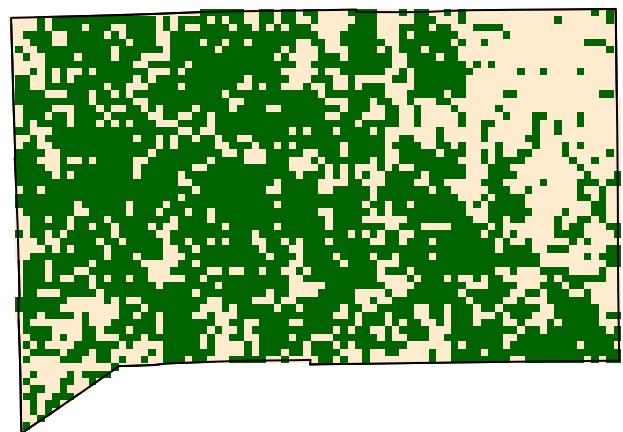


Figure 3. (a) Franklin County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Franklin County.

# Franklin County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

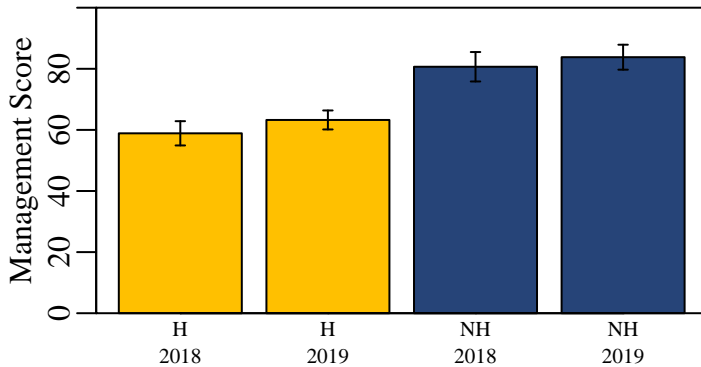


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

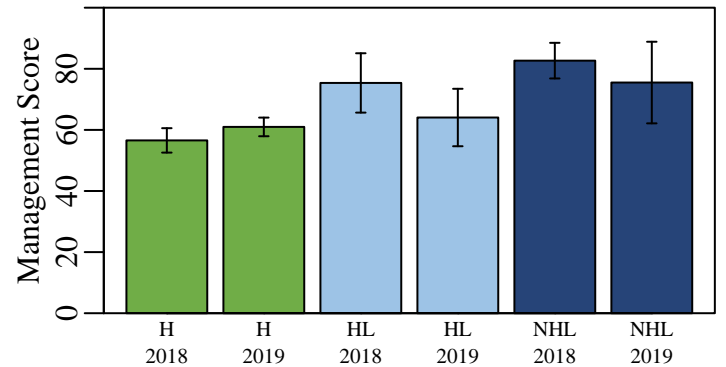


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

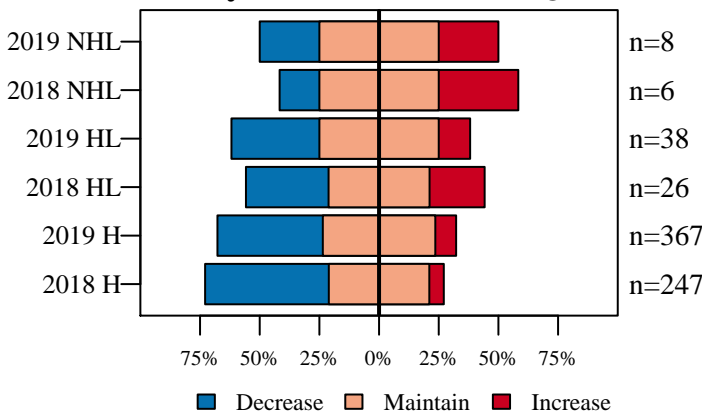


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

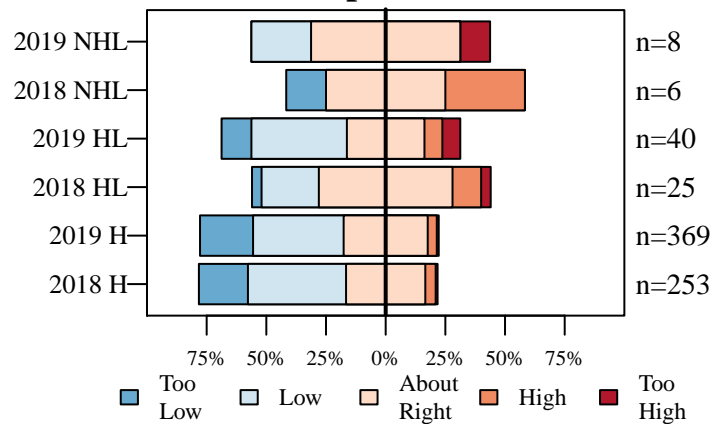


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

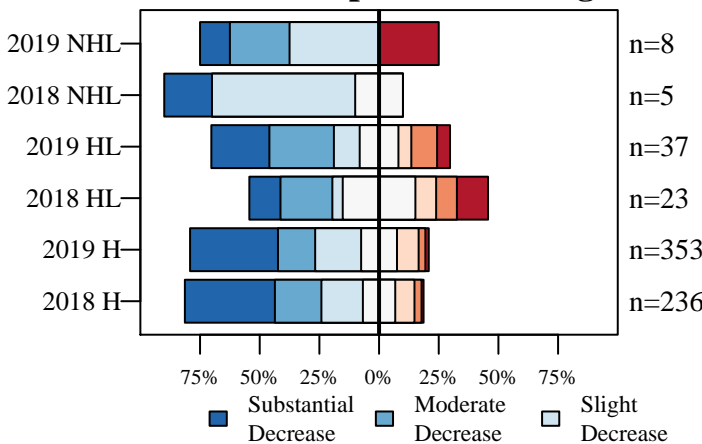


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

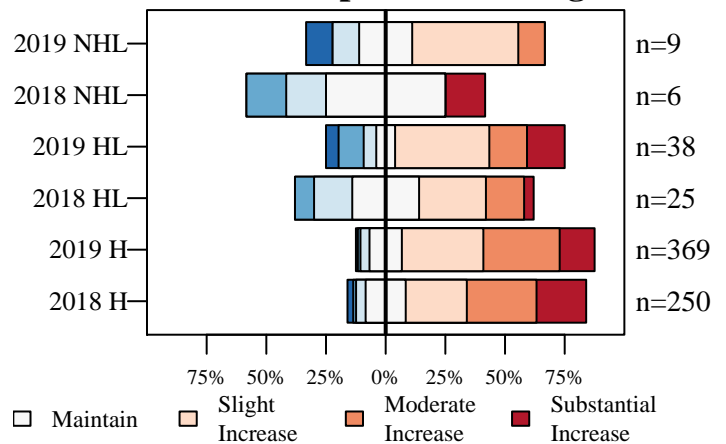


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Franklin County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

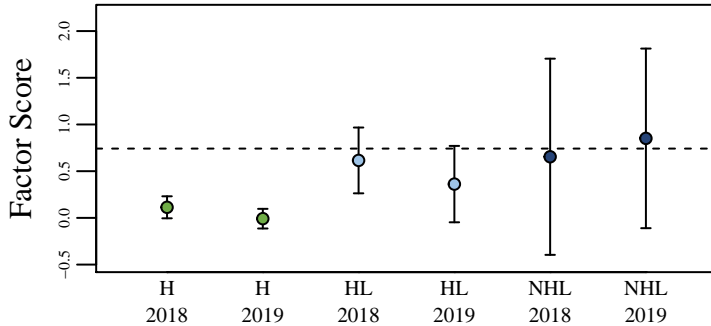


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

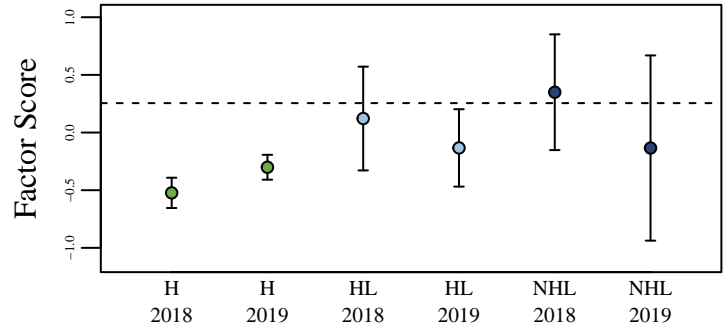


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

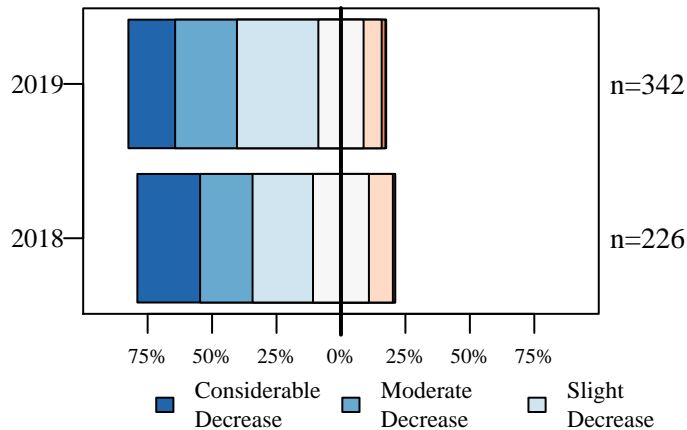


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

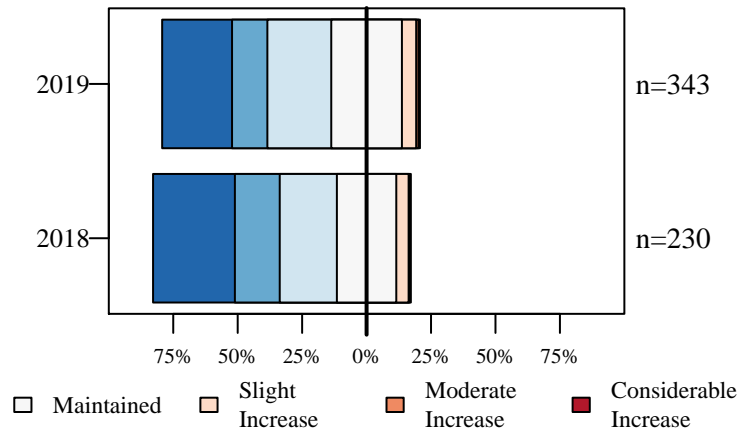


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

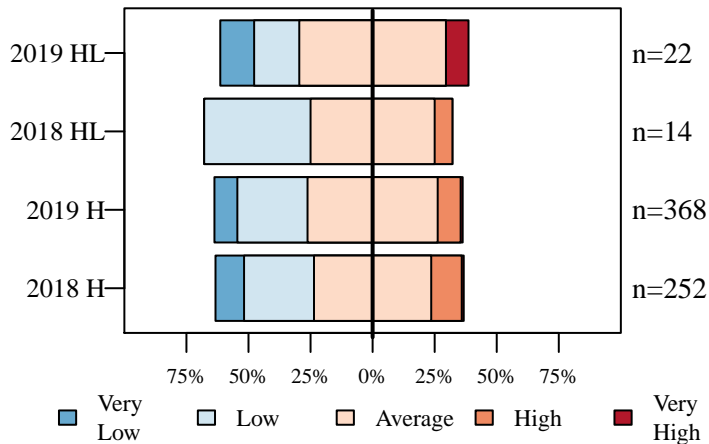


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

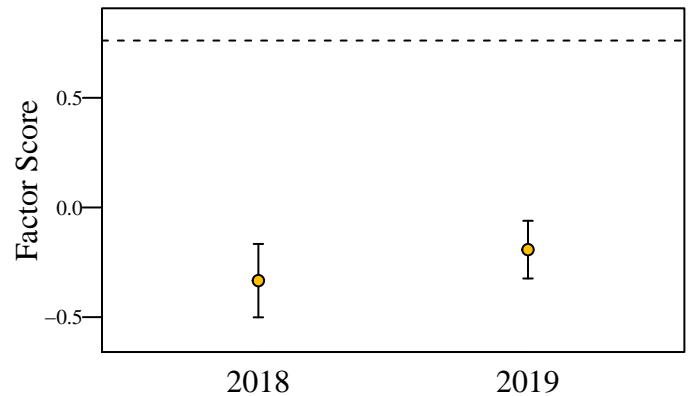


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Fulton County

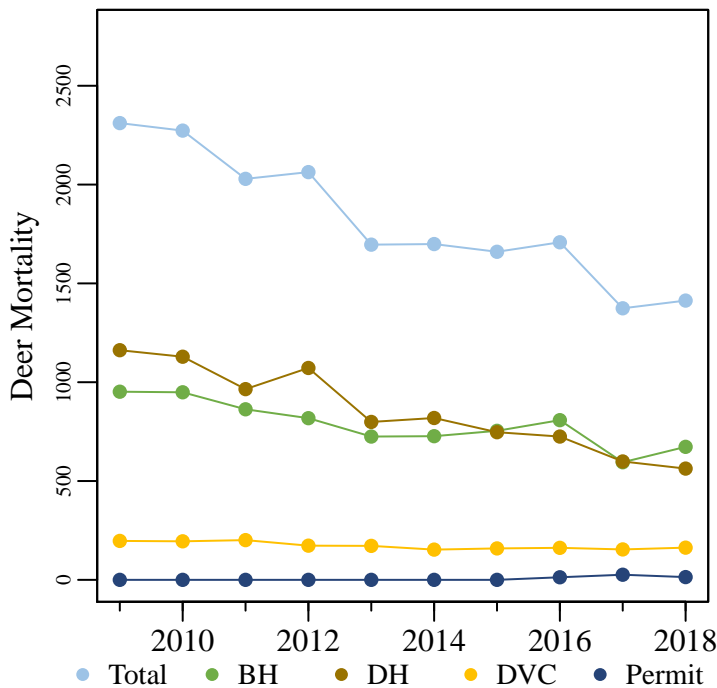
6/26/2019

Total Square Miles: 371  
 Square Miles of Deer Habitat: 51  
 Percent Deer Habitat: 14

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,656		803		15.75	853		16.73	51.51		169		2
2006	1,722		821		16.10	901		17.67	52.32		191		2
2007	2,011		919		18.02	1,092		21.41	54.30		177		4
2008	2,023		926		18.16	1,097		21.51	54.23		195		4
2009	2,114		952		18.67	1,162		22.78	54.97		197		8
2010	2,078	0.85	949	0.96	18.61	1,129	0.80	22.14	54.33		195	0.75	8
2011	1,828	-1.04	863	-0.94	16.92	965	-1.09	18.92	52.79		201	1.23	8
2012	1,890	-1.09	818	-2.90	16.04	1,072	-0.23	21.02	56.72		173	-2.16	8
2013	1,524	-3.76	725	-3.00	14.22	799	-3.81	15.67	52.43		172	-1.83	8
2014	1,546	-1.44	727	-1.41	14.25	819	-1.40	16.06	52.98		153	-2.48	4
2015	1,501	-1.15	754	-0.66	14.78	747	-1.42	14.65	49.77		159	-1.02	4
2016	1,533	-0.67	808	0.50	15.84	725	-1.16	14.22	47.29	13	162	-0.52	4
2017	1,194	-2.47	595	-3.88	11.67	599	-1.68	11.75	50.17	26	154	-0.94	3
2018	1,236	-1.50	673	-0.62	13.20	563	-2.02	11.04	45.55	14	163	-0.28	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

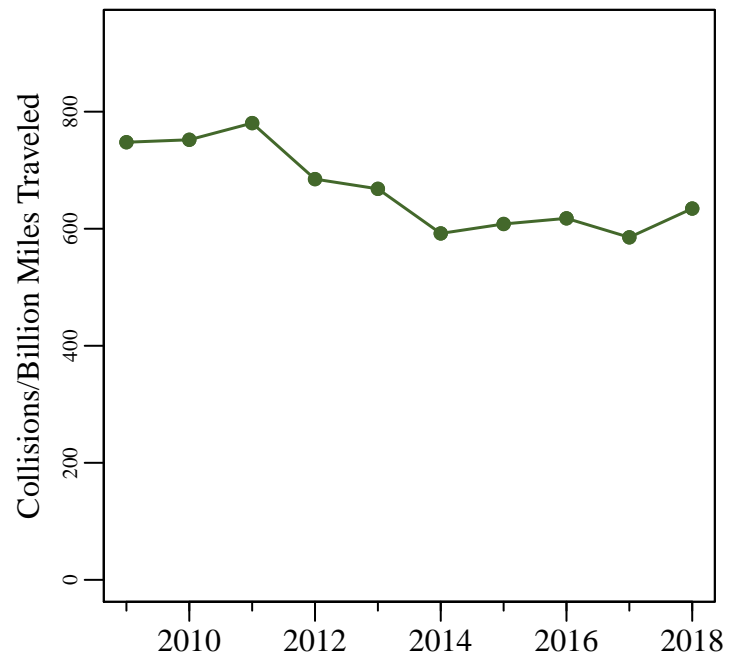


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Fulton County

6/26/2019

Total Square Miles: 371  
 Square Miles of Deer Habitat: 51  
 Percent Deer Habitat: 14

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,121	496	623	2	0	449	515	124	22	10	1	0	0	0	0	0
2016	1,135	504	629	2	0	464	496	131	36	6	2	0	0	0	0	0
2017	902	420	479	3	0	353	415	110	22	2	0	0	0	0	0	0
2018	976	426	544	6	0	409	458	105	4	0	0	0	0	0	0	0

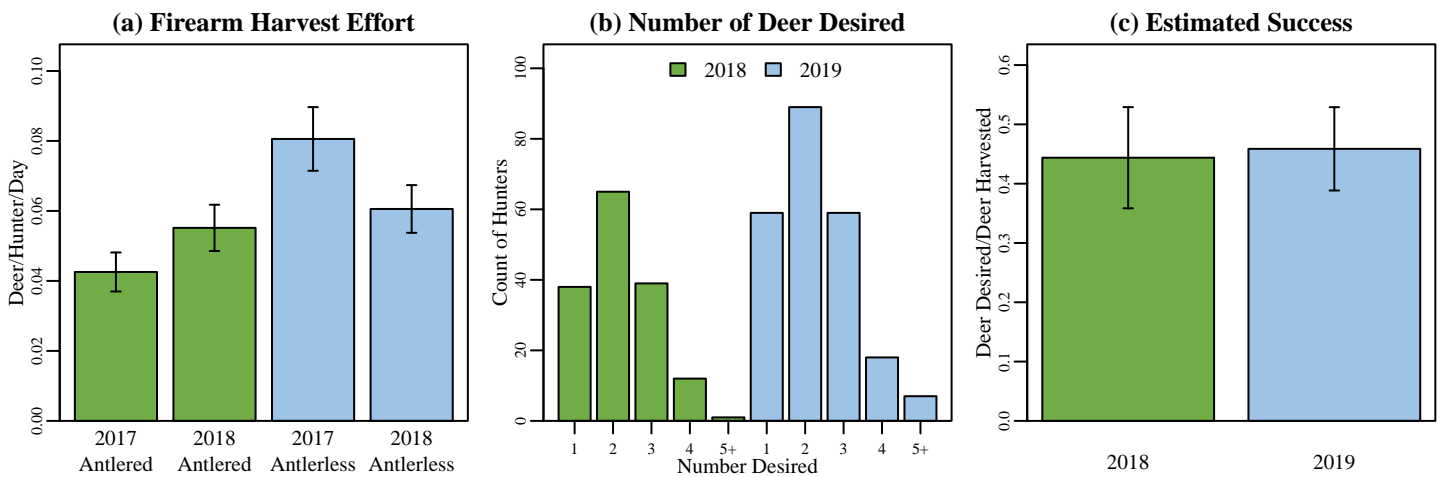
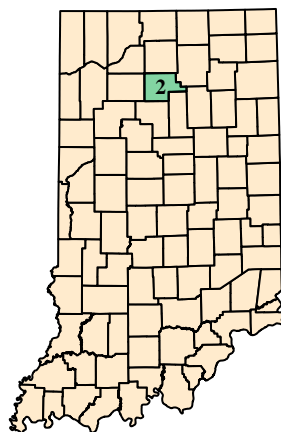


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Fulton County Map



## (b) Deer Habitat in Fulton County

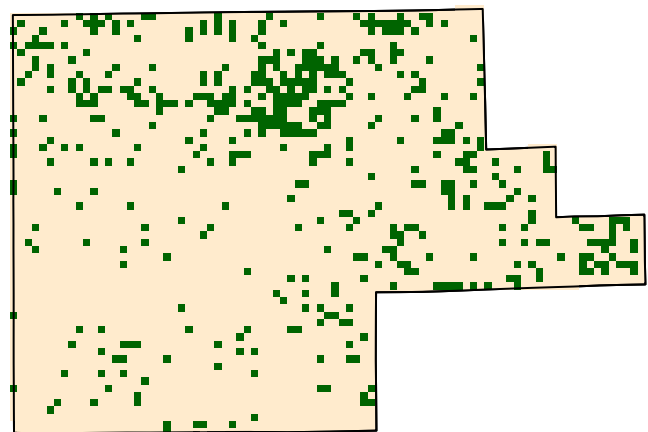


Figure 3. (a) Fulton County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Fulton County.

# Fulton County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

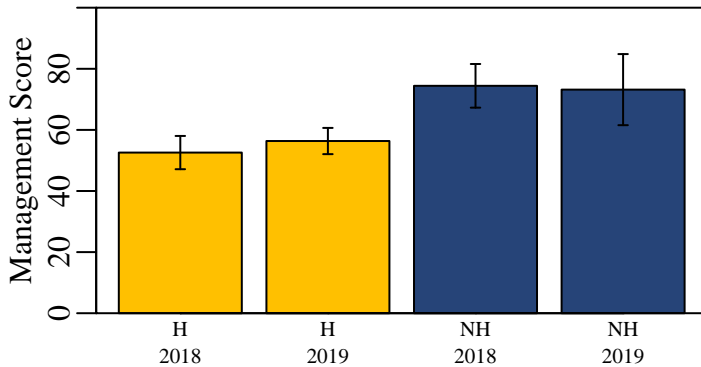


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

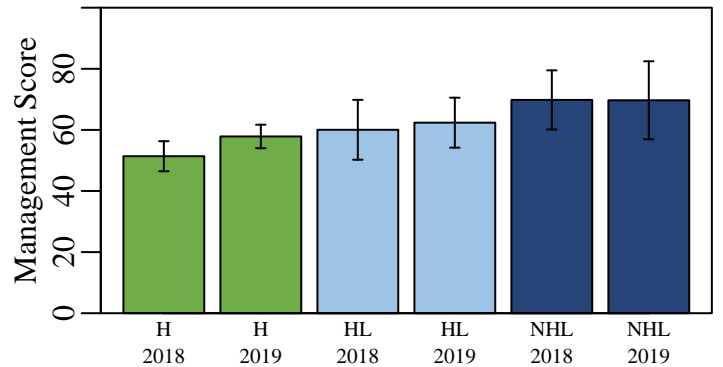


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

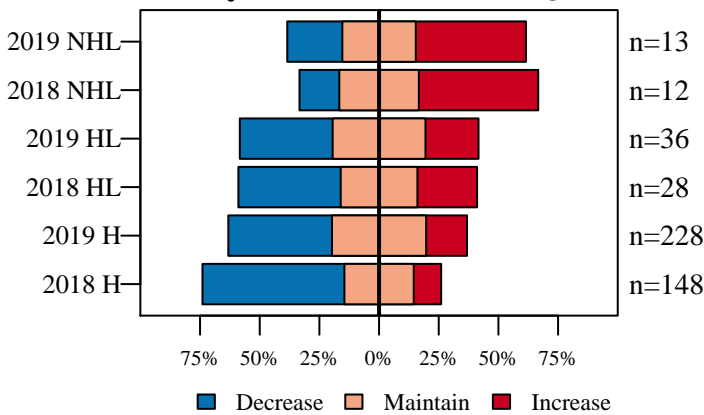


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

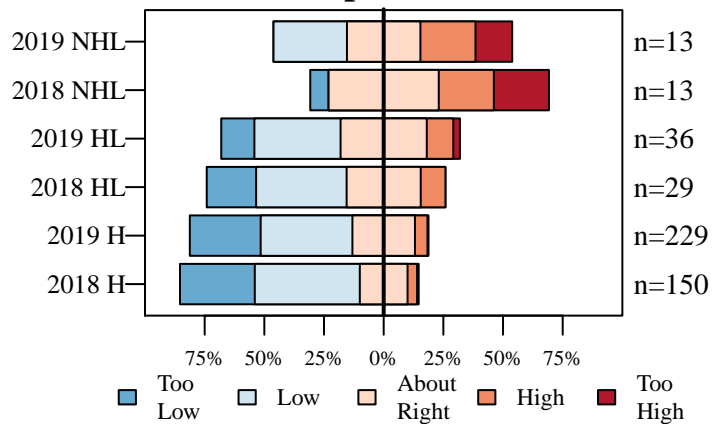


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

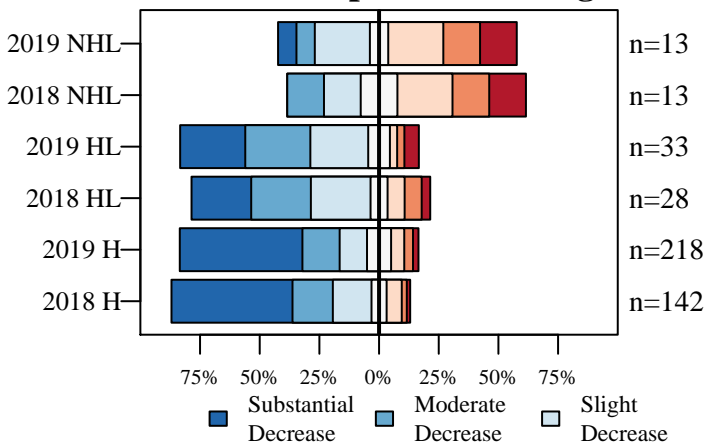


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

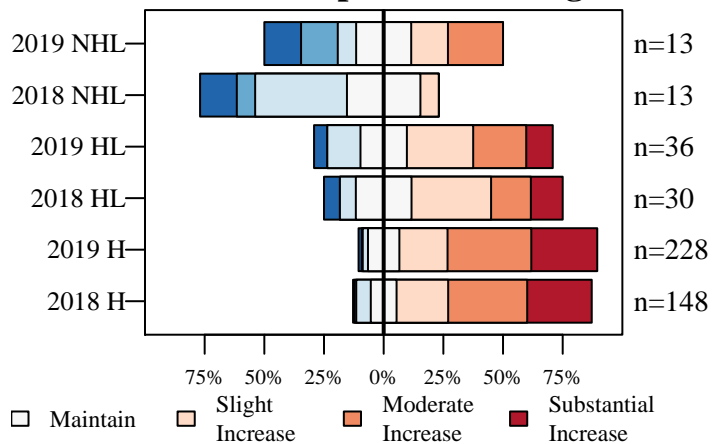


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Fulton County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

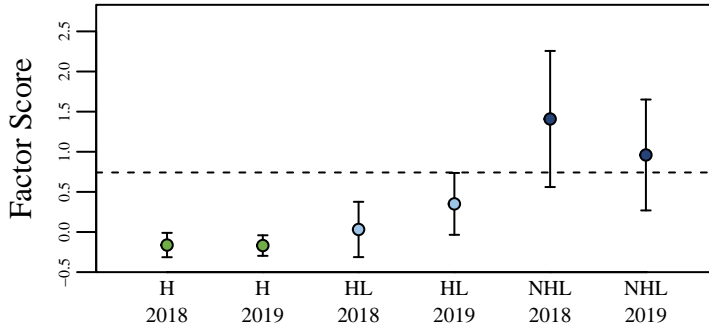


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

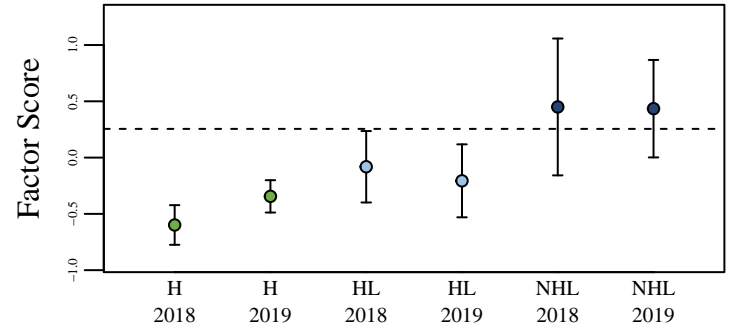


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

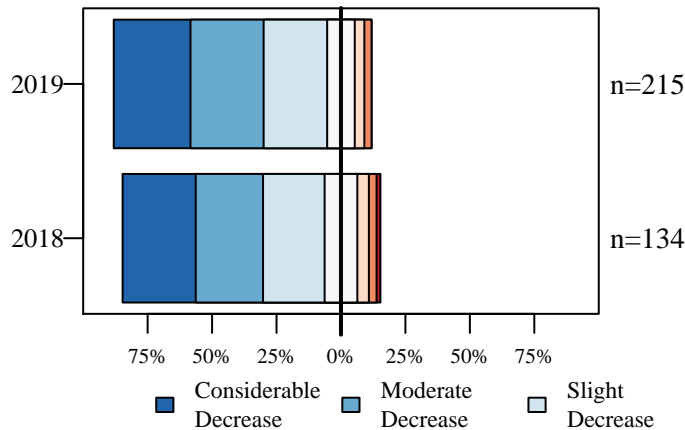


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

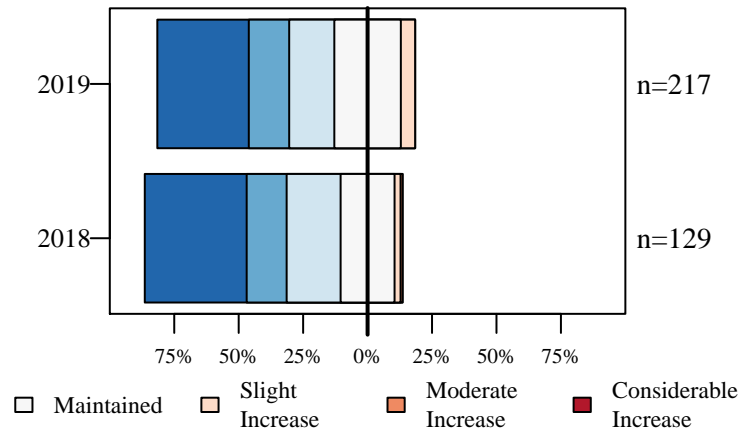


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

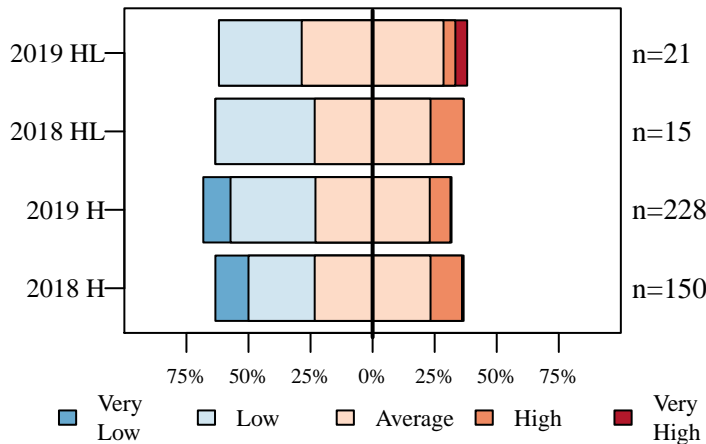


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

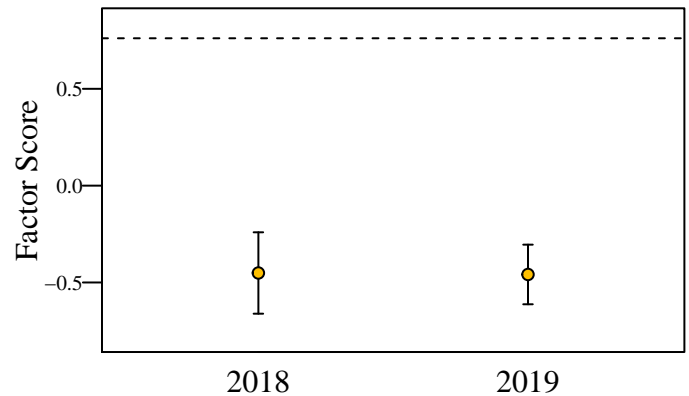


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Gibson County

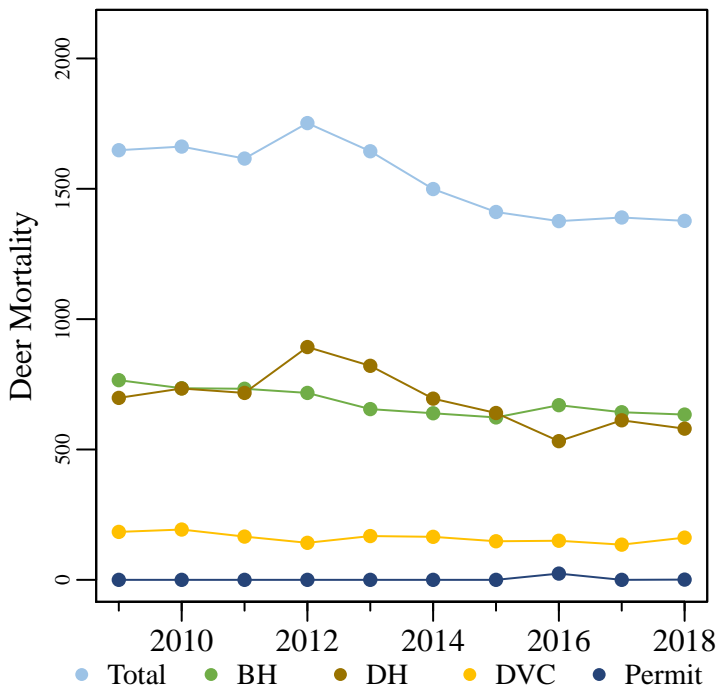
6/26/2019

Total Square Miles: 499  
 Square Miles of Deer Habitat: 96  
 Percent Deer Habitat: 19

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,480		817		8.51	663		6.91	44.80		181		3
2006	1,398		743		7.74	655		6.82	46.85		210		4
2007	1,313		656		6.83	657		6.84	50.04		172		8
2008	1,563		761		7.93	802		8.35	51.31		160		8
2009	1,464		766		7.98	698		7.27	47.68		184		8
2010	1,469	0.27	735	-0.23	7.66	734	0.63	7.65	49.97		193	0.63	8
2011	1,450	0.09	733	0.02	7.64	717	0.13	7.47	49.45		166	-0.93	8
2012	1,610	1.77	717	-0.30	7.47	893	3.21	9.30	55.47		142	-2.46	8
2013	1,476	-0.50	655	-4.25	6.82	821	0.65	8.55	55.62		168	-0.05	8
2014	1,334	-2.43	639	-2.00	6.66	695	-0.94	7.24	52.10		165	-0.29	4
2015	1,263	-2.09	623	-1.60	6.49	640	-1.59	6.67	50.67		148	-1.04	4
2016	1,202	-1.67	670	-0.07	6.98	532	-2.17	5.54	44.26	24	150	-0.65	3
2017	1,255	-0.74	643	-0.49	6.70	612	-0.73	6.38	48.76	0	135	-1.93	3
2018	1,214	-0.87	634	-0.68	6.60	580	-0.74	6.04	47.78	1	162	0.66	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

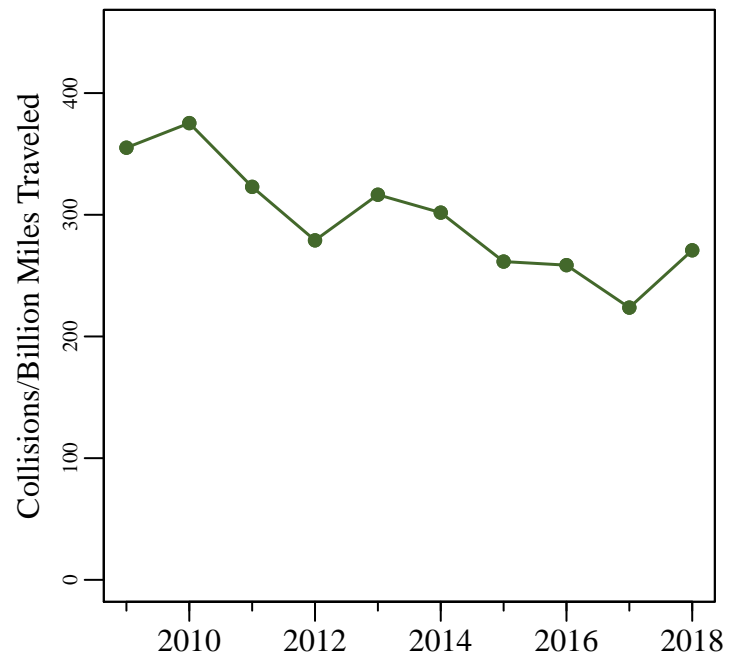


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Gibson County

6/26/2019

Total Square Miles: 499  
 Square Miles of Deer Habitat: 96  
 Percent Deer Habitat: 19

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	959	432	526	1	0	394	437	100	18	7	2	1	0	0	0	0
2016	937	370	565	2	0	436	389	93	18	1	0	0	0	0	0	0
2017	941	429	510	2	0	370	434	112	18	6	1	0	0	0	0	0
2018	937	412	524	1	0	380	434	115	8	0	0	0	0	0	0	0

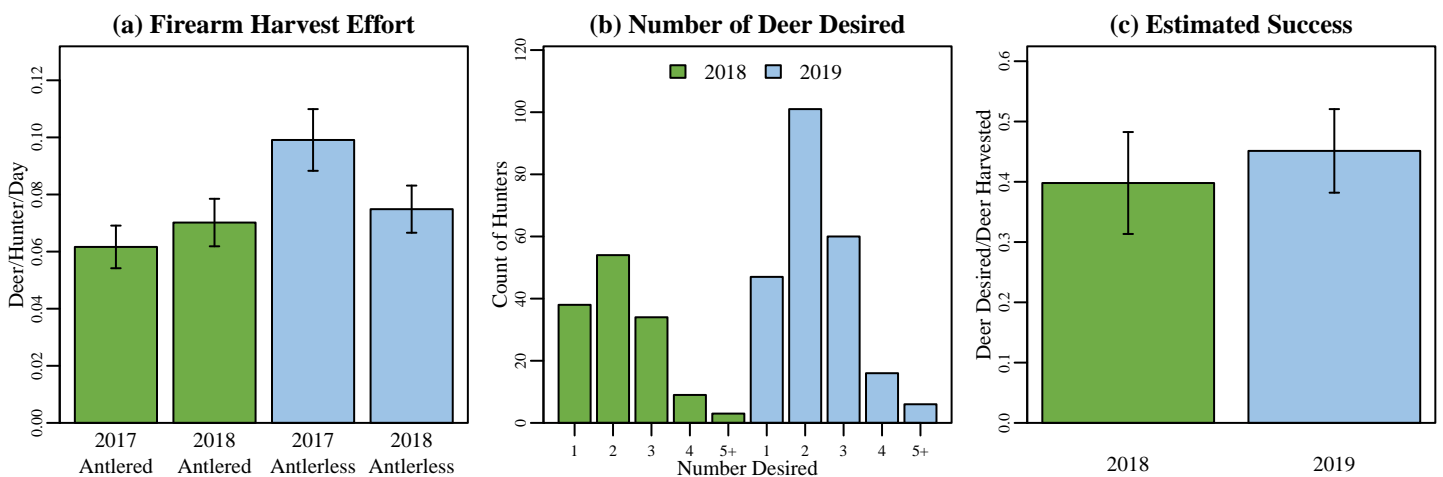
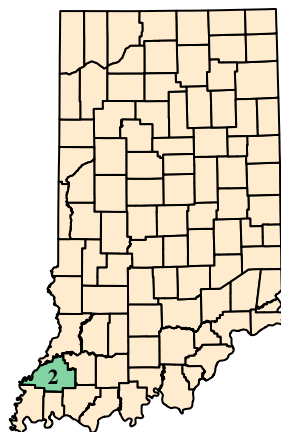


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Gibson County Map



## (b) Deer Habitat in Gibson County

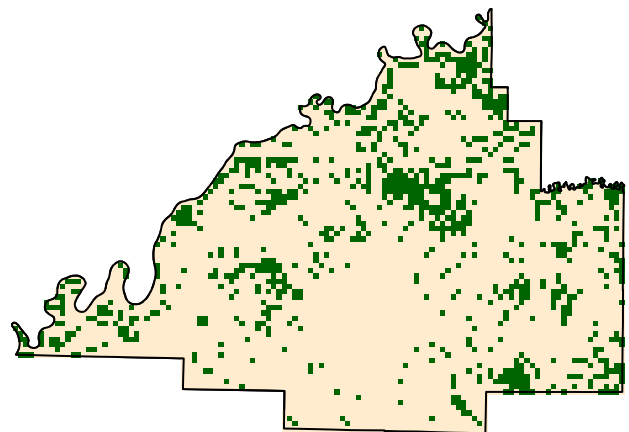


Figure 3. (a) Gibson County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Gibson County.

# Gibson County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

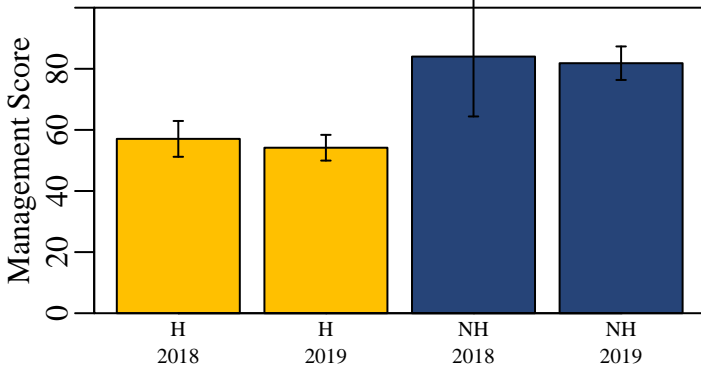


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

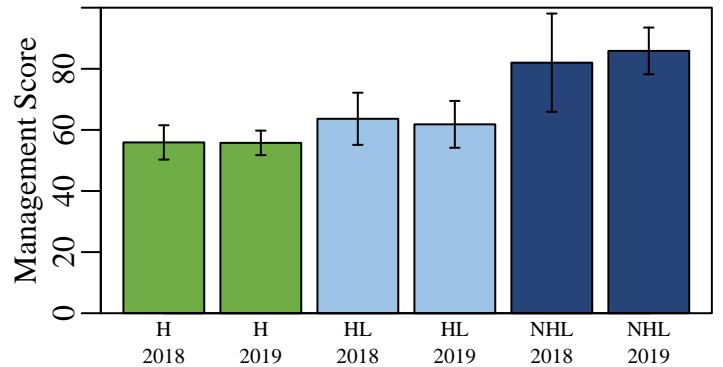


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

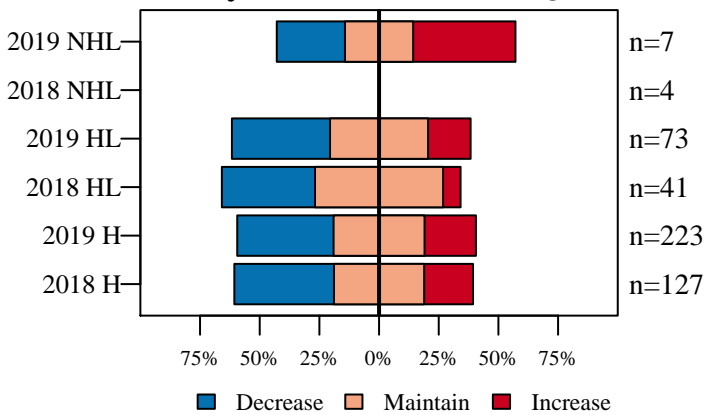


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

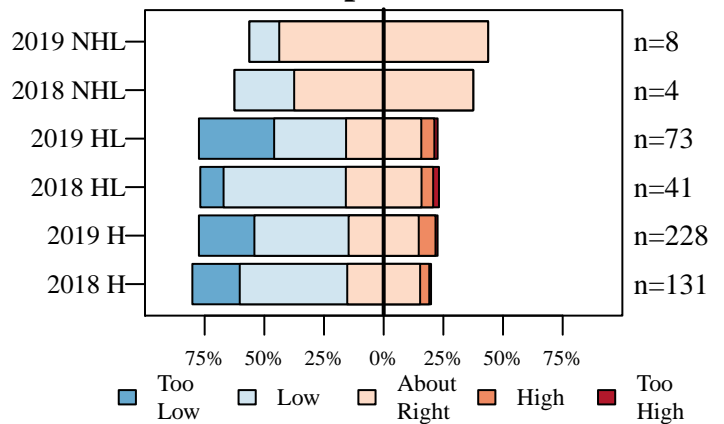


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

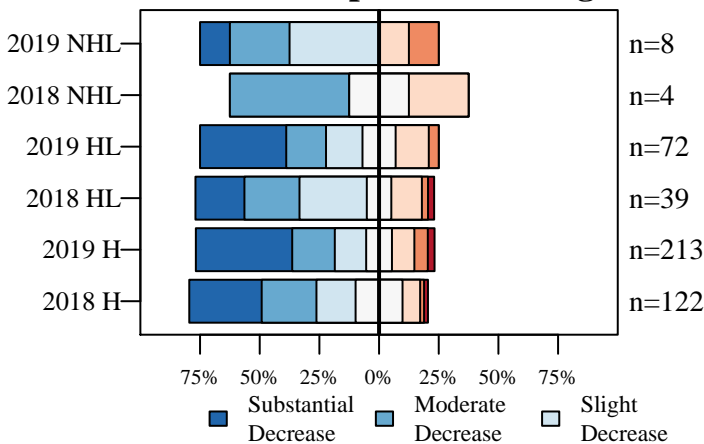


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

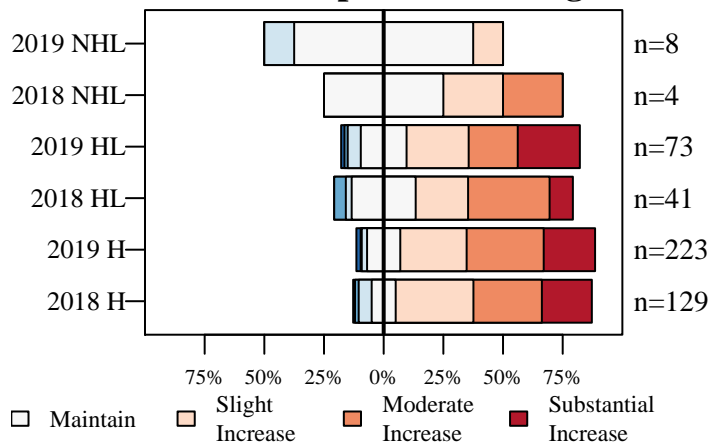


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Gibson County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

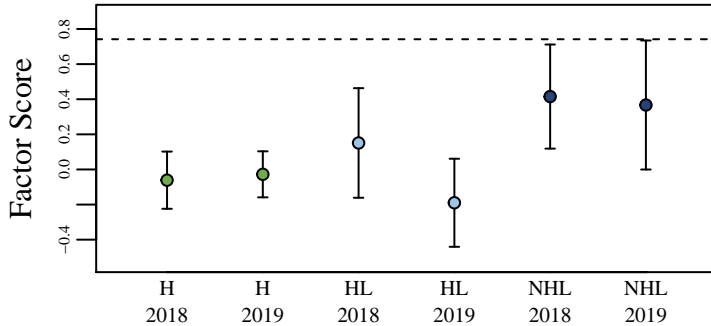


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

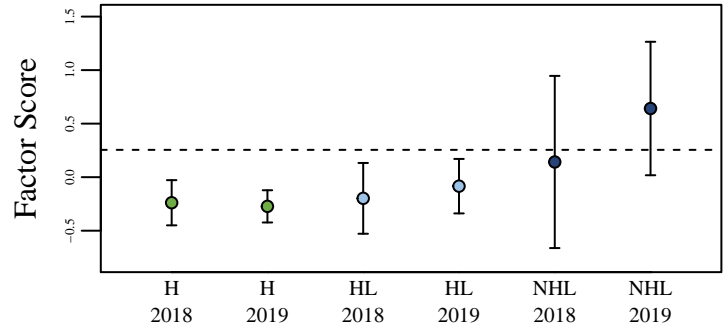


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

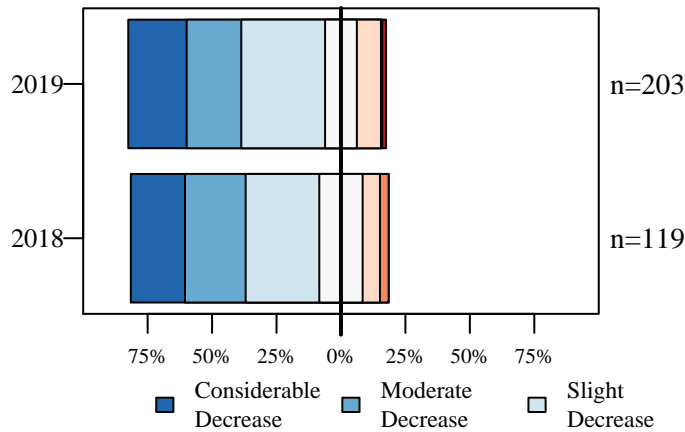


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

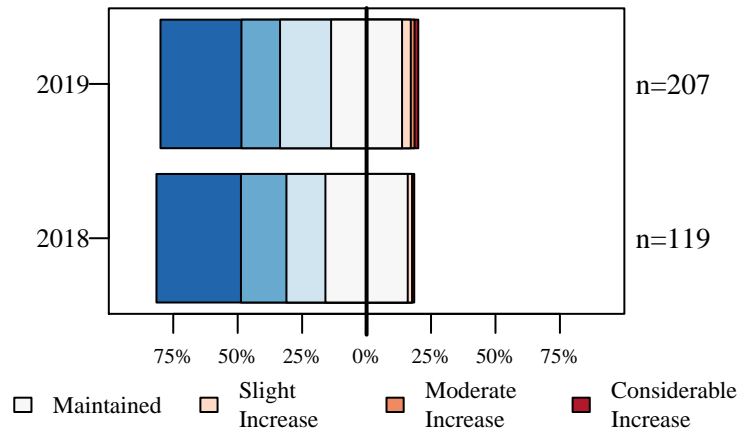


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

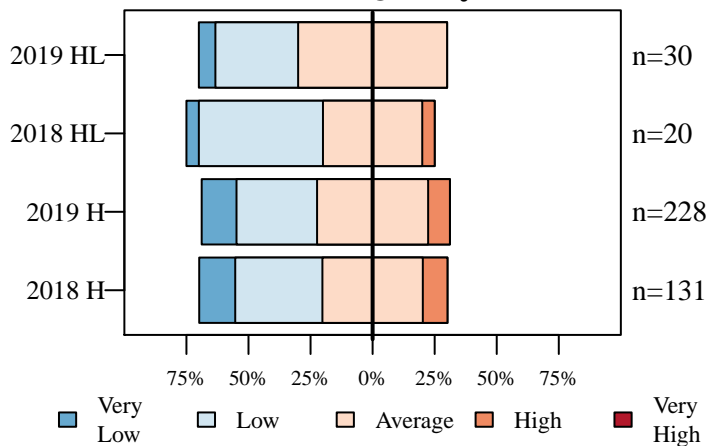


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

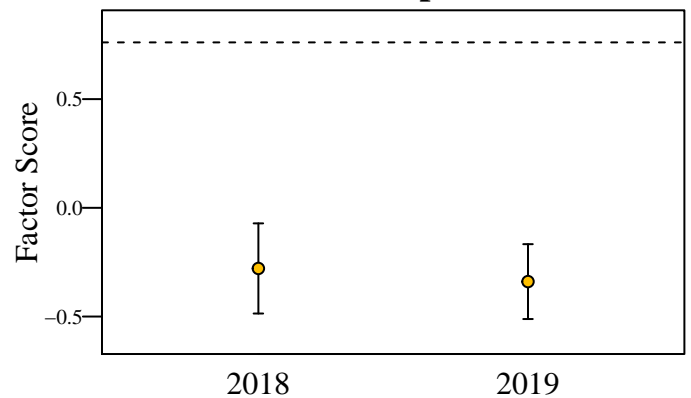


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Grant County

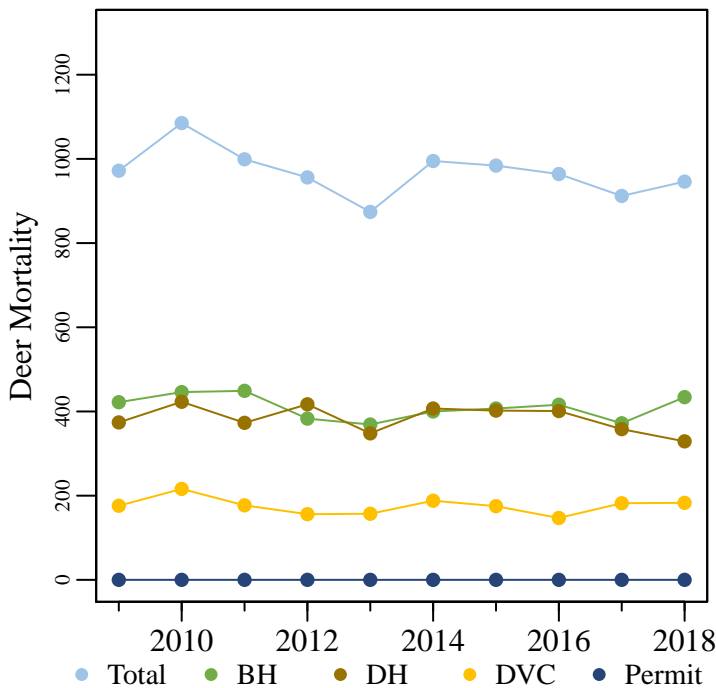
6/26/2019

Total Square Miles: 415  
 Square Miles of Deer Habitat: 44  
 Percent Deer Habitat: 10

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	702		374		8.50	328		7.45	46.72		185		2
2006	651		349		7.93	302		6.86	46.39		200		2
2007	809		427		9.70	382		8.68	47.22		194		2
2008	779		418		9.50	361		8.20	46.34		179		3
2009	796		422		9.59	374		8.50	46.98		176		3
2010	869	1.79	446	1.39	10.14	423	2.19	9.61	48.68		216	2.90	3
2011	822	0.51	449	0.99	10.20	373	0.11	8.48	45.38		177	-0.98	4
2012	800	-0.44	383	-3.48	8.70	417	1.45	9.48	52.12		156	-1.90	4
2013	717	-2.77	369	-2.05	8.39	348	-1.47	7.91	48.54		157	-1.09	4
2014	807	0.11	400	-0.38	9.09	407	0.63	9.25	50.43		188	0.48	4
2015	809	0.11	407	-0.07	9.25	402	0.26	9.14	49.69		175	-0.15	4
2016	817	0.62	416	0.47	9.45	401	0.41	9.11	49.08	0	147	-1.71	4
2017	730	-1.45	372	-1.22	8.45	358	-1.37	8.14	49.04	0	182	0.98	4
2018	763	-0.27	434	1.95	9.86	329	-1.94	7.48	43.12	0	183	0.92	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

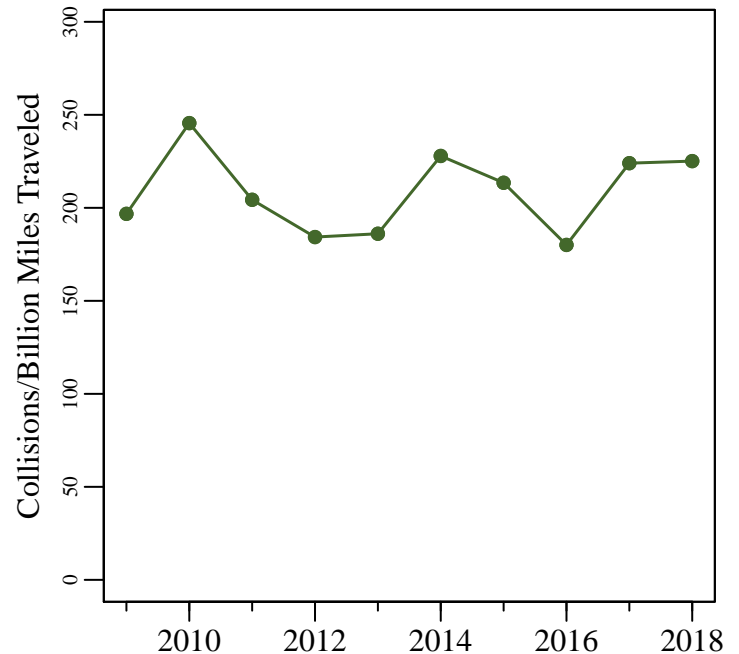


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Grant County

6/26/2019

Total Square Miles: 415  
 Square Miles of Deer Habitat: 44  
 Percent Deer Habitat: 10

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	618	305	313	0	0	228	302	71	16	1	0	0	0	0	0	0
2016	622	319	303	0	0	220	313	69	17	3	0	0	0	0	0	0
2017	549	298	251	0	0	179	279	78	9	3	1	0	0	0	0	0
2018	594	257	337	0	0	250	268	71	4	1	0	0	0	0	0	0

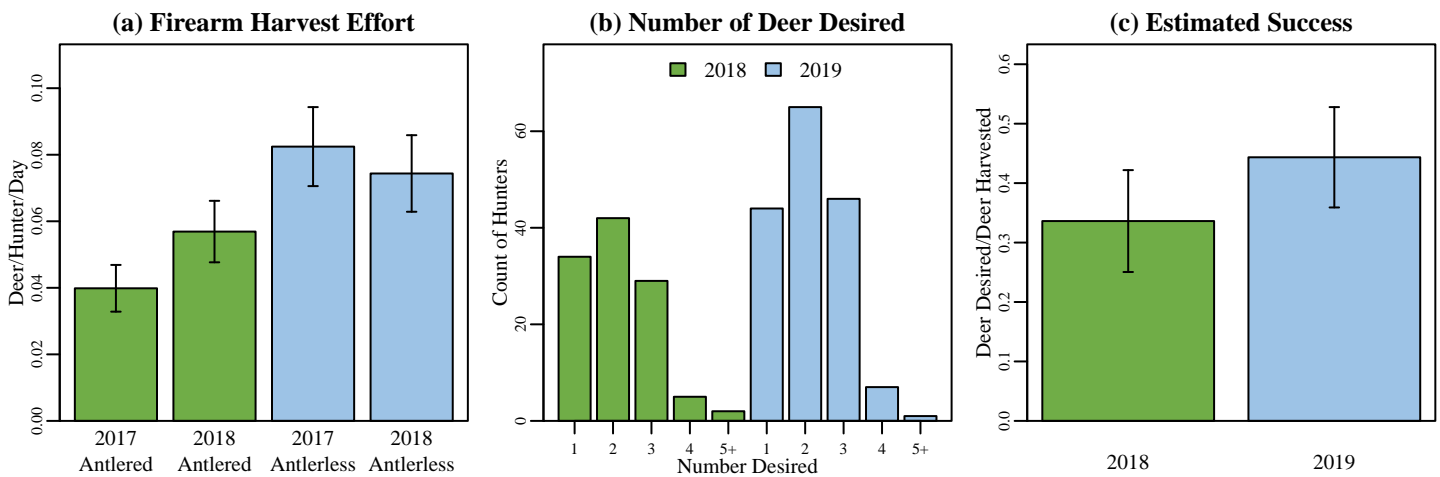
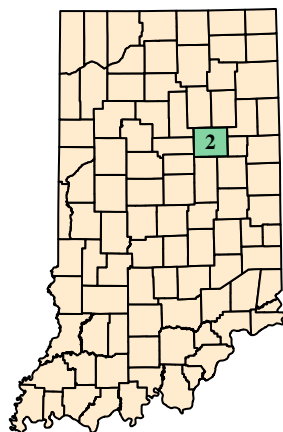


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Grant County Map



## (b) Deer Habitat in Grant County

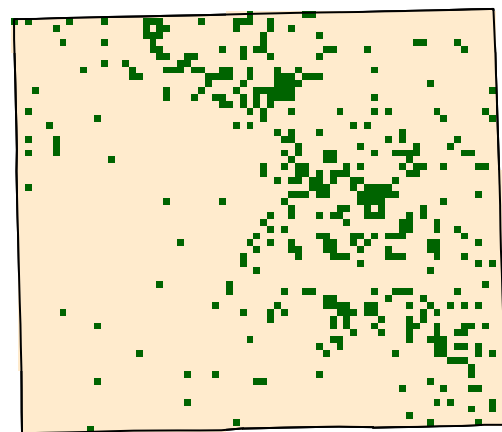


Figure 3. (a) Grant County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Grant County.

# Grant County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

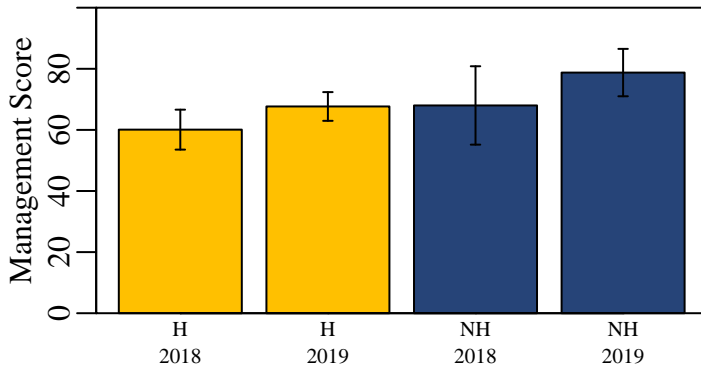


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

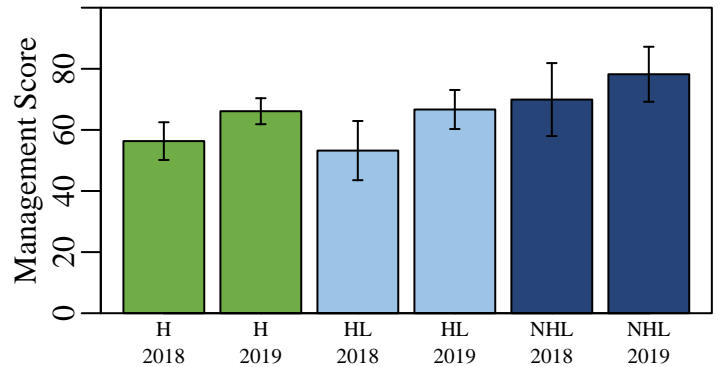


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

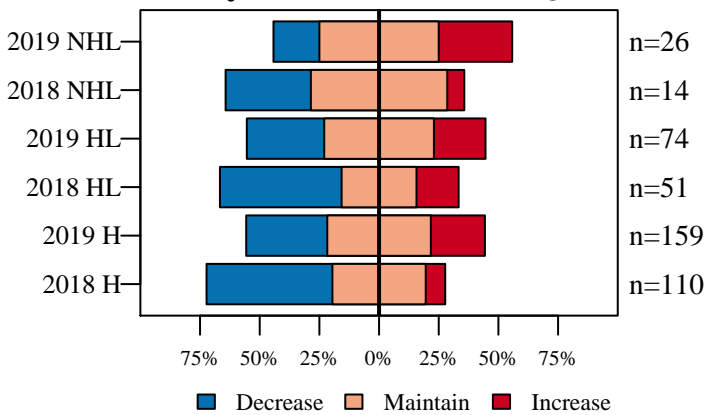


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

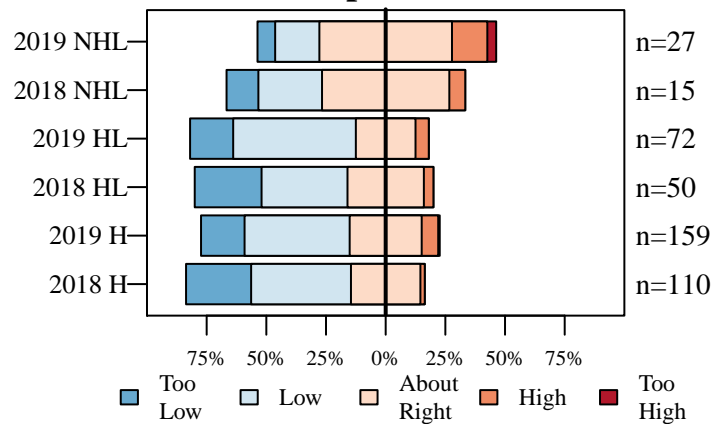


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

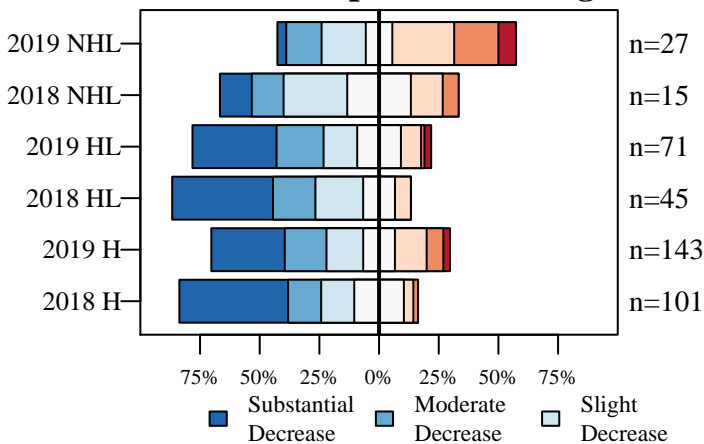


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

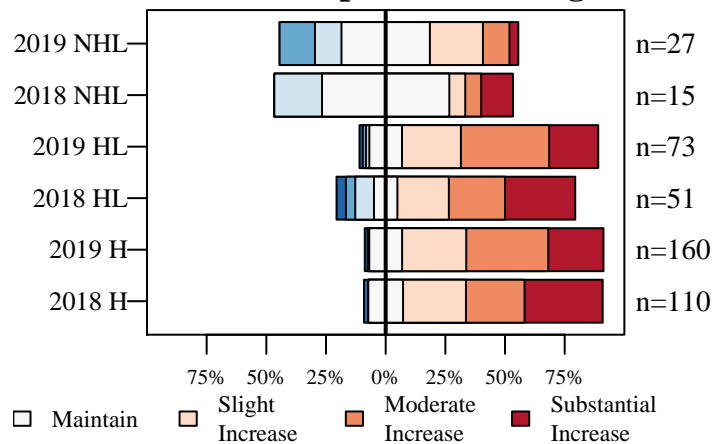


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Grant County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

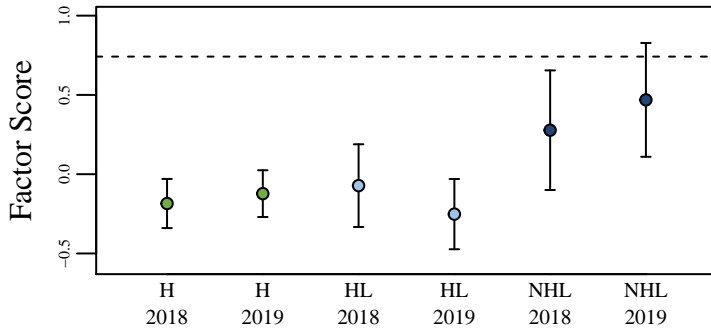


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

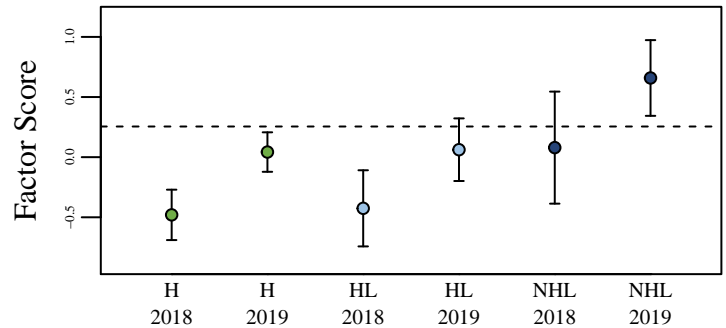


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

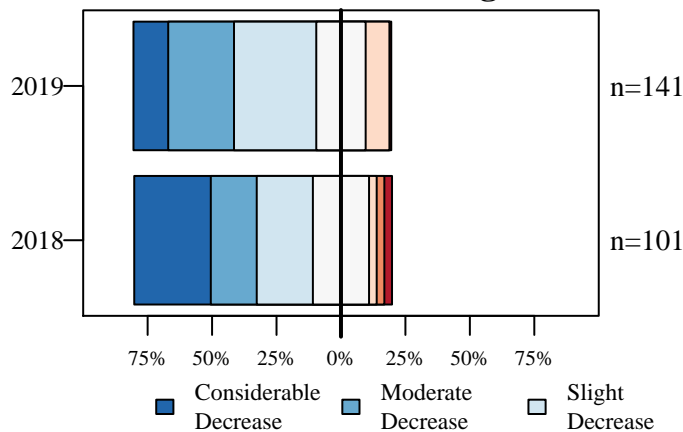


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

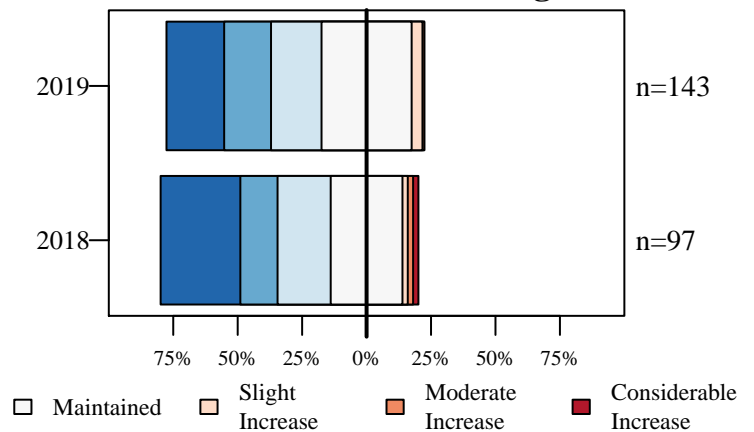


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

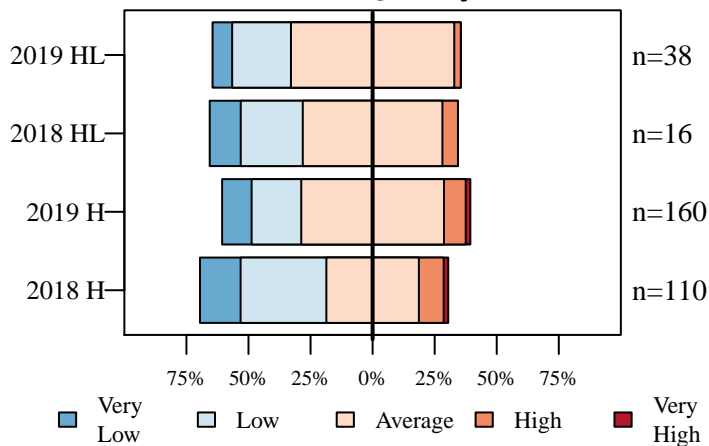


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

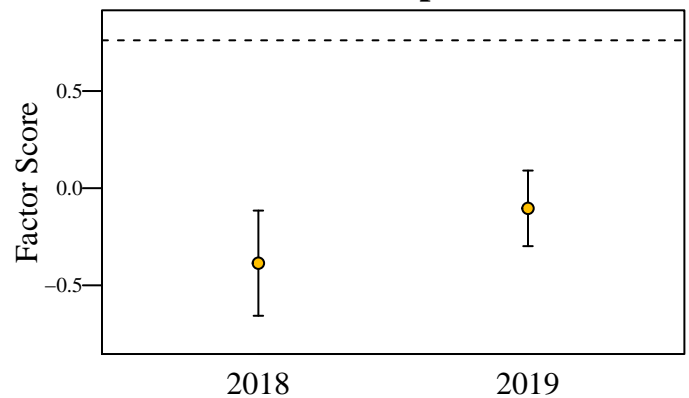


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Greene County

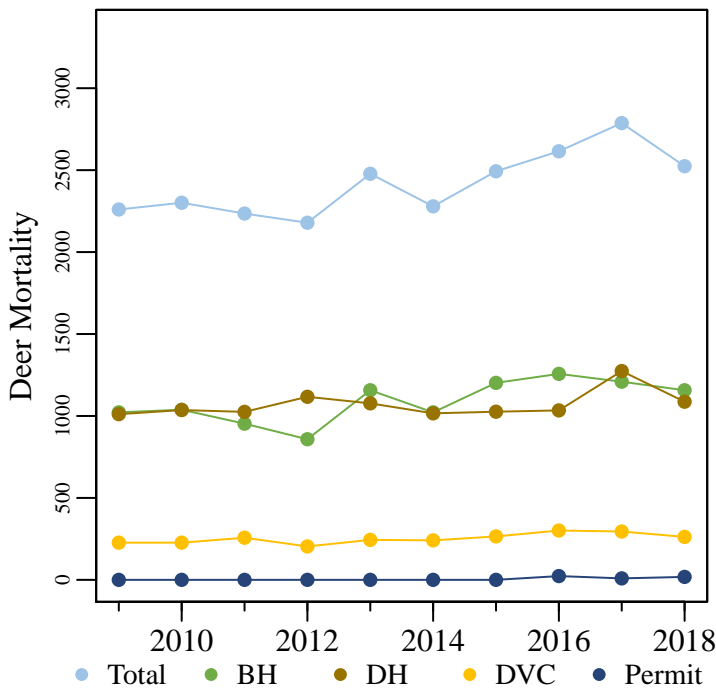
6/26/2019

Total Square Miles: 546  
 Square Miles of Deer Habitat: 336  
 Percent Deer Habitat: 61

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,186		1,168		3.48	1,018		3.03	46.57		232		3
2006	2,103		1,057		3.15	1,046		3.11	49.74		231		3
2007	1,937		995		2.96	942		2.80	48.63		229		3
2008	2,120		1,119		3.33	1,001		2.98	47.22		200		3
2009	2,033		1,022		3.04	1,011		3.01	49.73		227		4
2010	2,074	-0.02	1,038	-0.48	3.09	1,036	0.85	3.08	49.95		227	0.24	4
2011	1,978	-1.03	953	-2.00	2.84	1,025	0.44	3.05	51.82		257	2.66	4
2012	1,975	-0.73	858	-2.72	2.55	1,117	3.11	3.32	56.56		204	-1.19	4
2013	2,234	3.17	1,157	1.62	3.44	1,077	0.85	3.21	48.21		244	0.92	3
2014	2,038	-0.20	1,022	0.15	3.04	1,016	-0.86	3.02	49.85		241	0.46	3
2015	2,228	1.59	1,202	1.78	3.58	1,026	-0.67	3.05	46.05		265	1.51	3
2016	2,291	1.53	1,257	1.54	3.74	1,034	-0.42	3.08	45.13	23	301	2.51	3
2017	2,483	2.39	1,209	0.68	3.60	1,274	5.21	3.79	51.31	9	295	1.35	4
2018	2,244	-0.07	1,157	-0.14	3.44	1,087	0.01	3.24	48.44	18	262	0.12	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

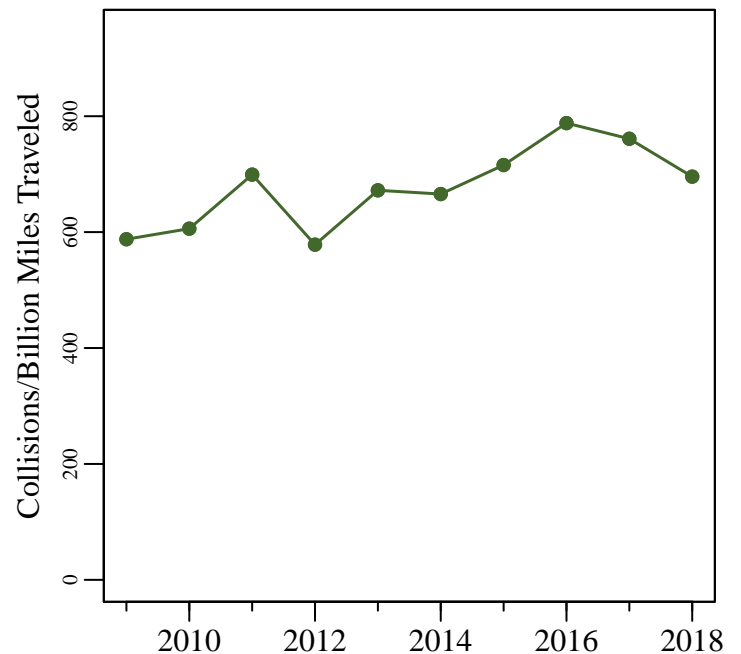


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Greene County

6/26/2019

Total Square Miles: 546  
 Square Miles of Deer Habitat: 336  
 Percent Deer Habitat: 61

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,796	809	987	0	0	776	823	173	24	0	0	0	0	0	0	0
2016	1,824	774	1,046	4	0	826	789	182	25	1	1	0	0	0	0	
2017	1,867	911	948	8	0	690	907	213	44	12	0	1	0	0	0	
2018	1,707	797	906	4	0	681	791	183	39	9	4	0	0	0	0	

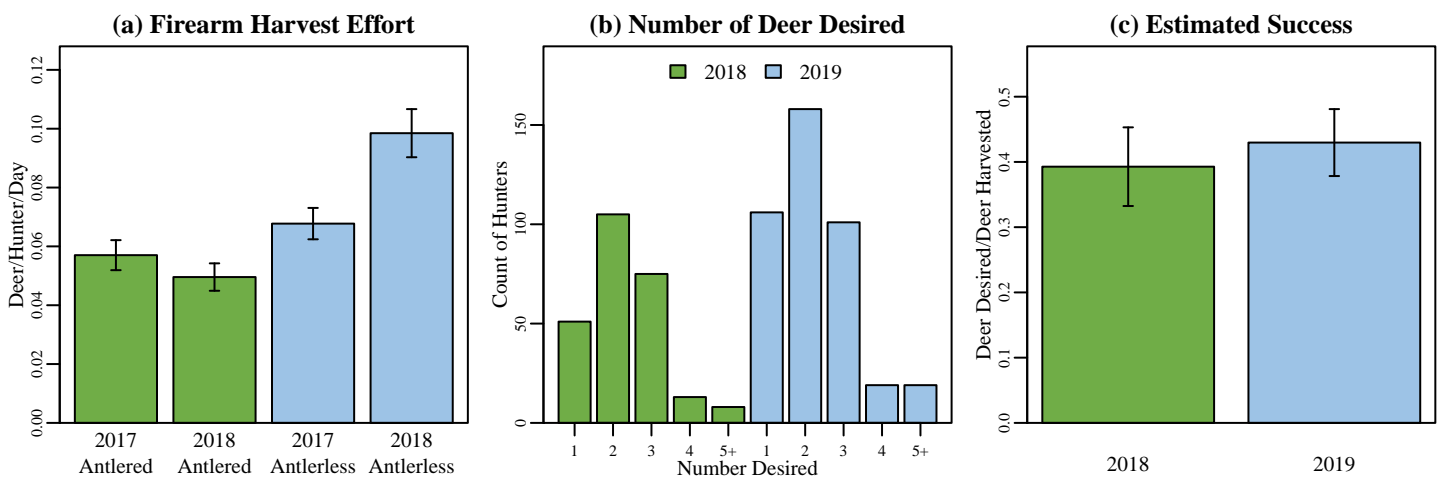
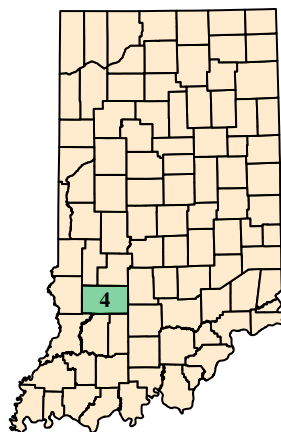


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Greene County Map



## (b) Deer Habitat in Greene County

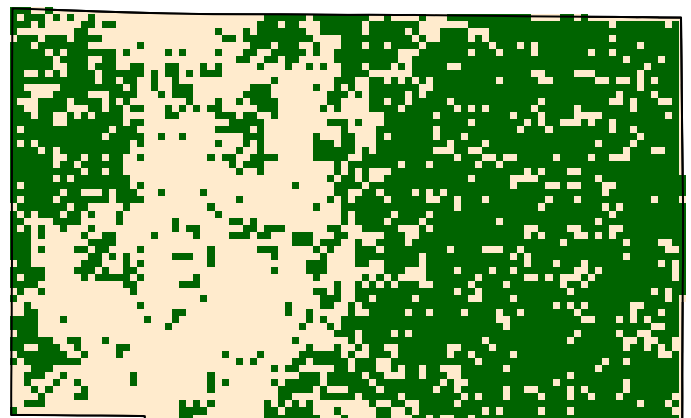


Figure 3. (a) Greene County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Greene County.

# Greene County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

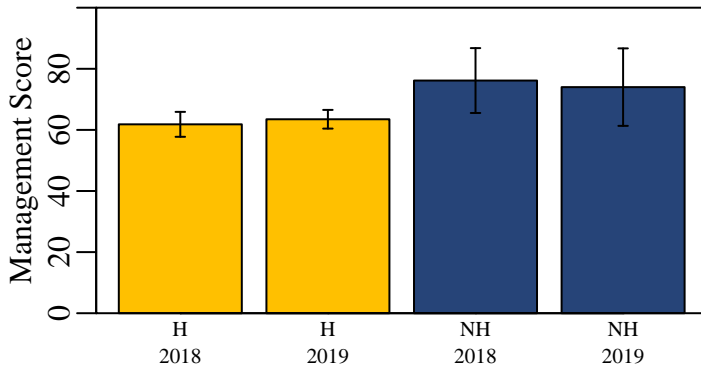


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

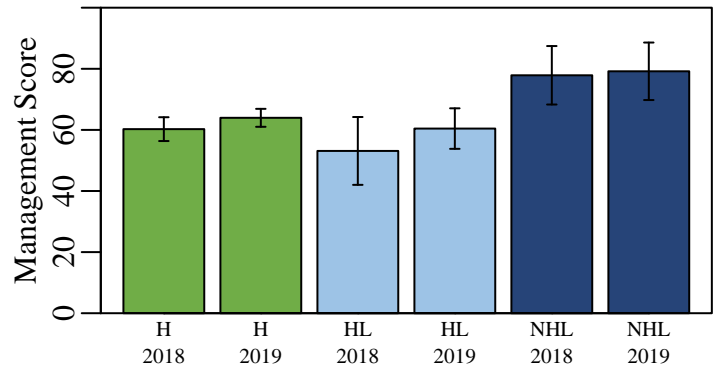


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

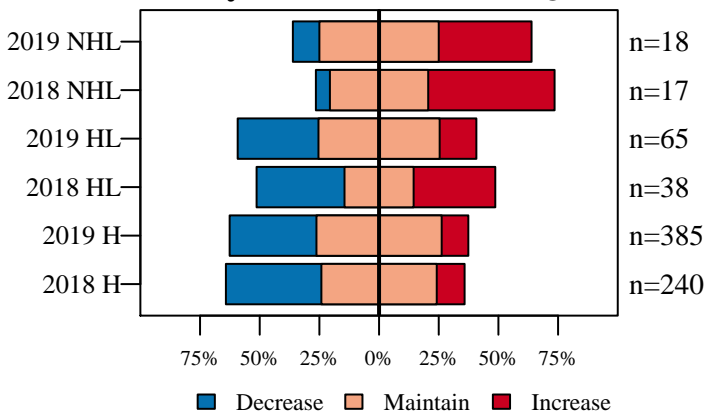


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

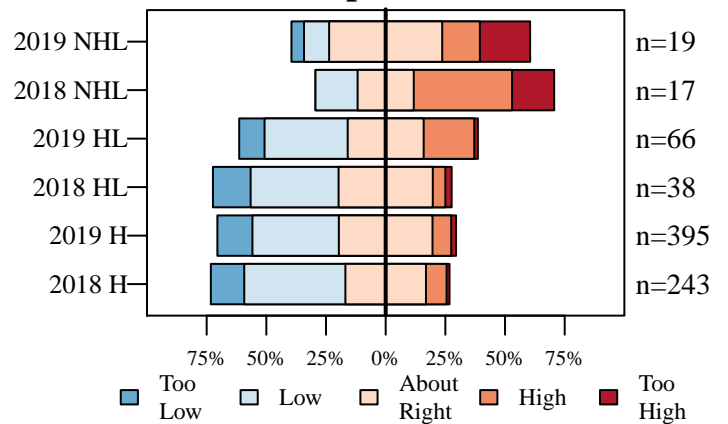


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

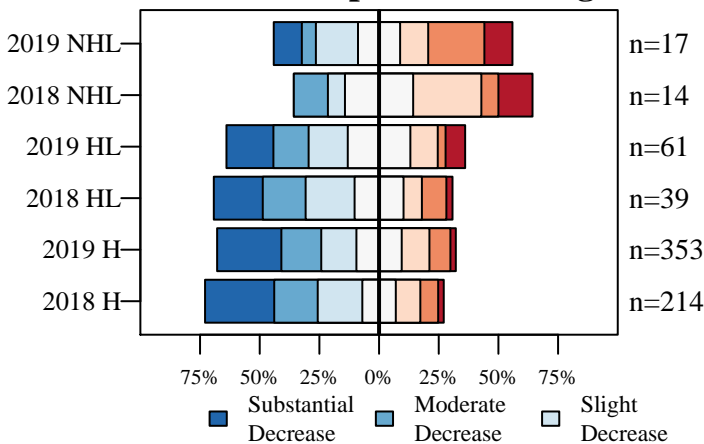


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

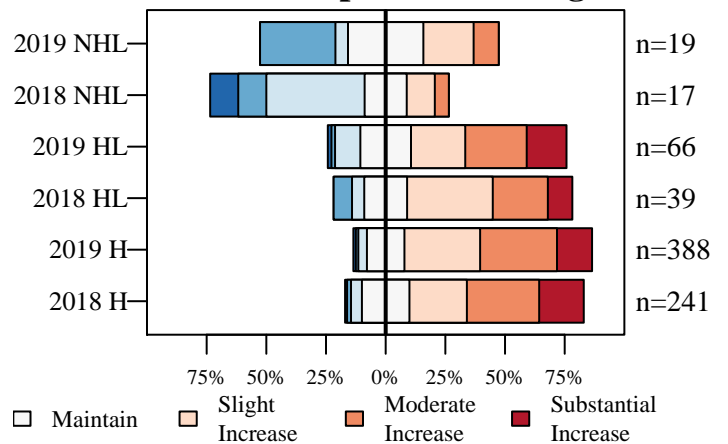


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Greene County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

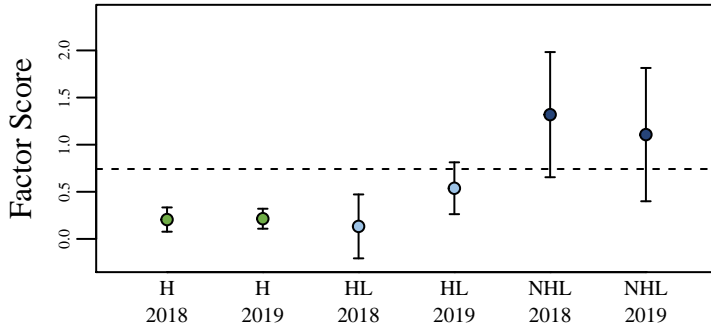


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

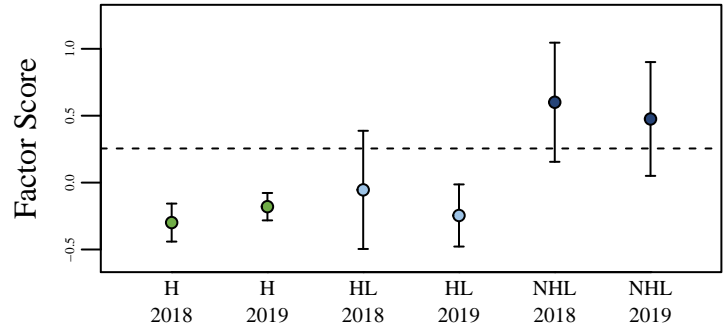


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

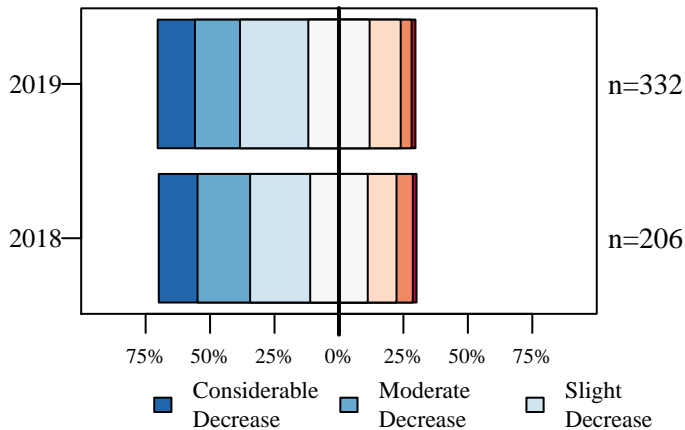


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

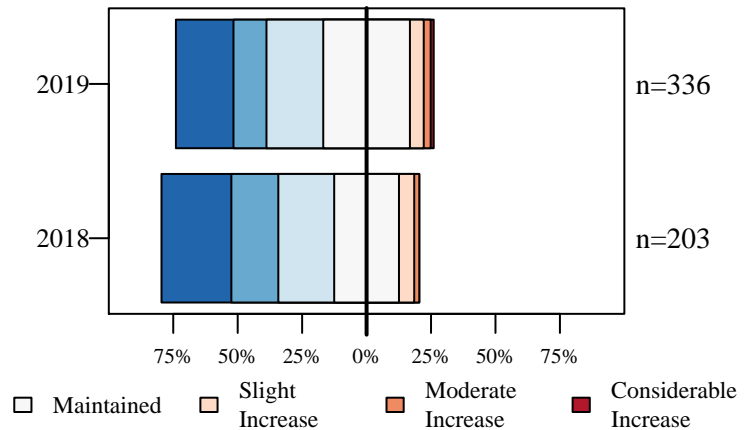


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

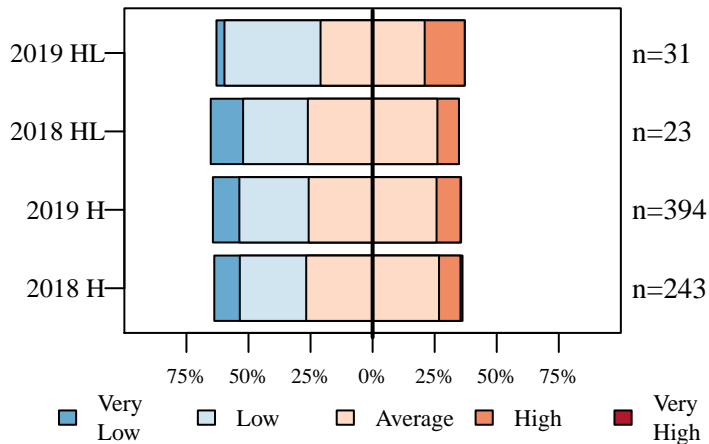


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

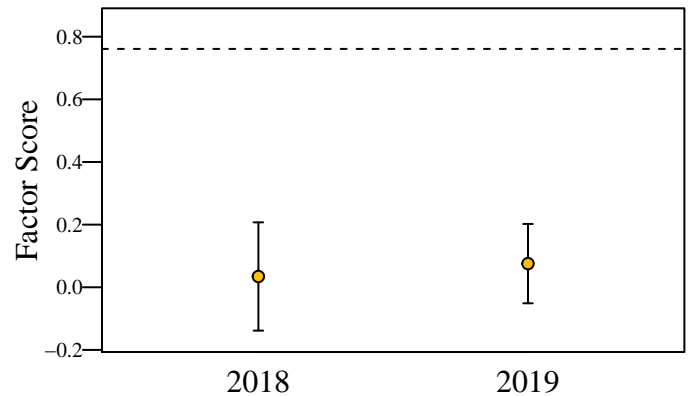


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Hamilton County

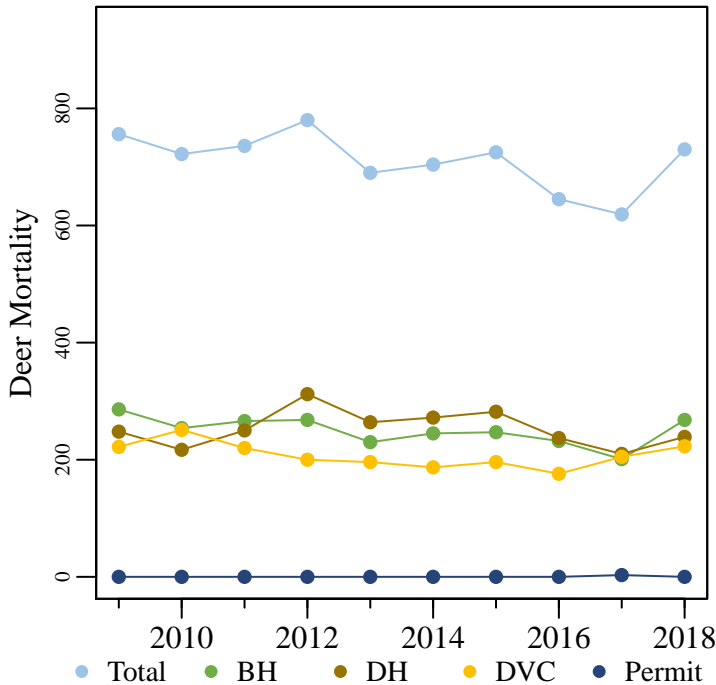
6/26/2019

Total Square Miles: 402  
 Square Miles of Deer Habitat: 47  
 Percent Deer Habitat: 12

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	411		229		4.87	182		3.87	44.28		173		2
2006	421		237		5.04	184		3.91	43.71		202		2
2007	455		258		5.49	197		4.19	43.30		256		2
2008	492		285		6.06	207		4.40	42.07		251		3
2009	534		286		6.09	248		5.28	46.44		222		3
2010	471	0.16	254	-0.19	5.40	217	0.50	4.62	46.07		251	0.87	4
2011	516	0.98	266	0.09	5.66	250	1.63	5.32	48.45		220	-0.70	4
2012	580	2.69	268	-0.12	5.70	312	3.66	6.64	53.79		200	-2.29	4
2013	494	-0.59	230	-3.07	4.89	264	0.42	5.62	53.44		196	-1.49	4
2014	517	-0.05	245	-0.76	5.21	272	0.40	5.79	52.61		187	-1.41	4
2015	529	0.33	247	-0.36	5.26	282	0.55	6.00	53.31		196	-0.58	4
2016	469	-1.81	232	-1.21	4.94	237	-1.68	5.04	50.53	0	176	-1.94	4
2017	411	-2.56	201	-2.85	4.28	210	-2.32	4.47	51.09	3	205	0.63	4
2018	507	0.49	268	2.01	5.70	239	-0.48	5.09	47.14	0	223	1.87	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

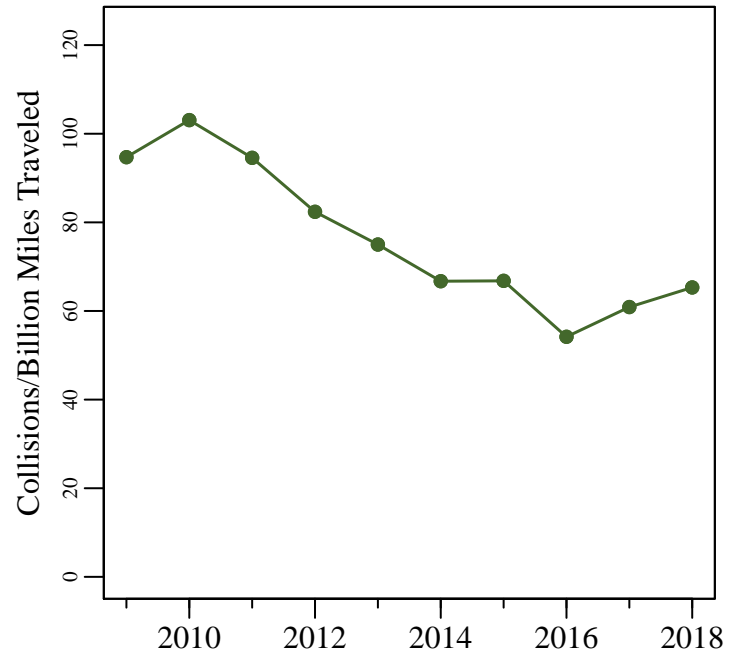


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Hamilton County

6/26/2019

Total Square Miles: 402  
 Square Miles of Deer Habitat: 47  
 Percent Deer Habitat: 12

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	386	211	172	3	0	108	225	37	14	1	0	1	0	0	0	0
2016	351	183	162	6	0	107	203	33	6	2	0	0	0	0	0	0
2017	302	156	141	5	0	91	170	34	6	1	0	0	0	0	0	0
2018	359	170	182	7	0	110	201	40	5	2	0	0	1	0	0	0

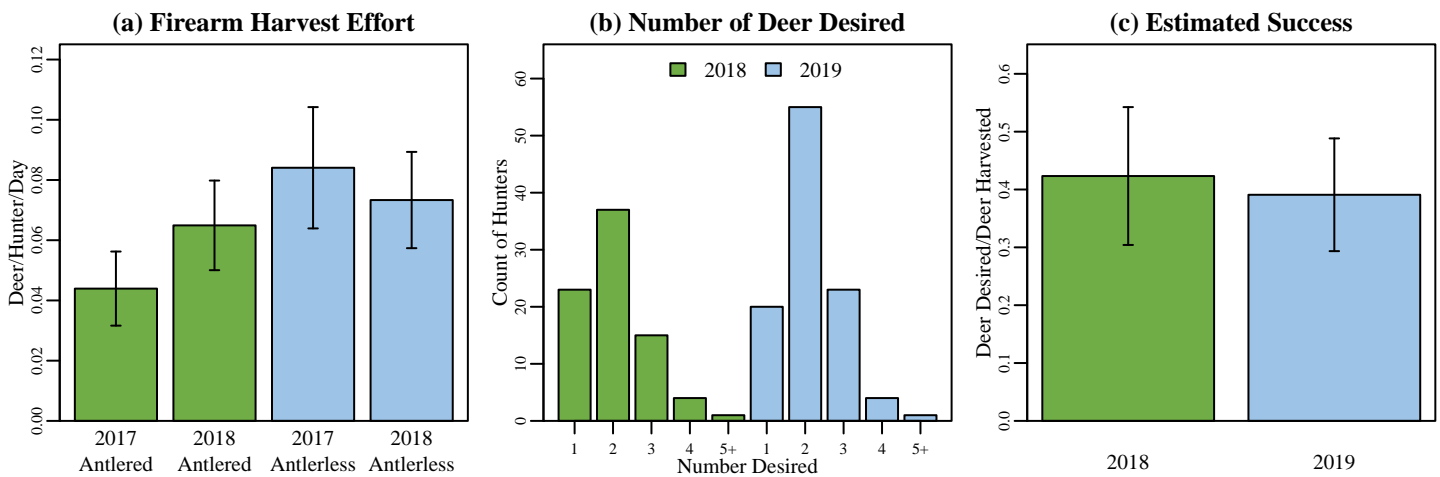


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Hamilton County Map



## (b) Deer Habitat in Hamilton County

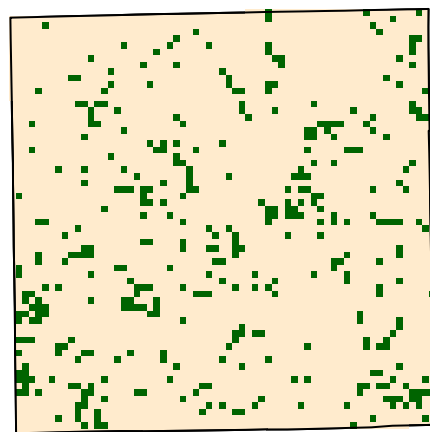


Figure 3. (a) Hamilton County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Hamilton County.

# Hamilton County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

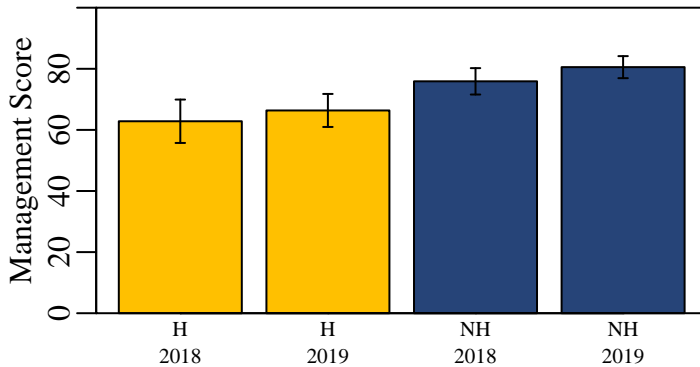


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

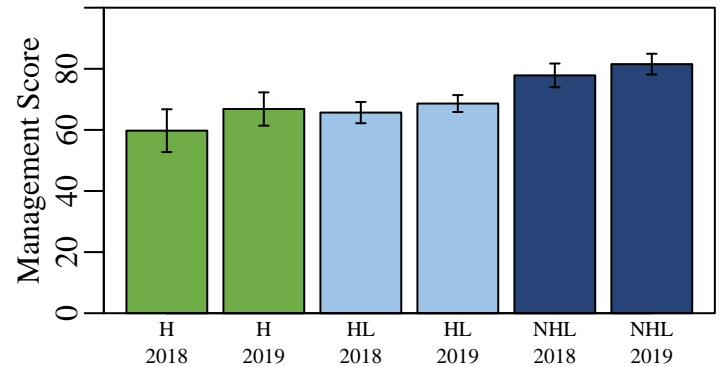


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

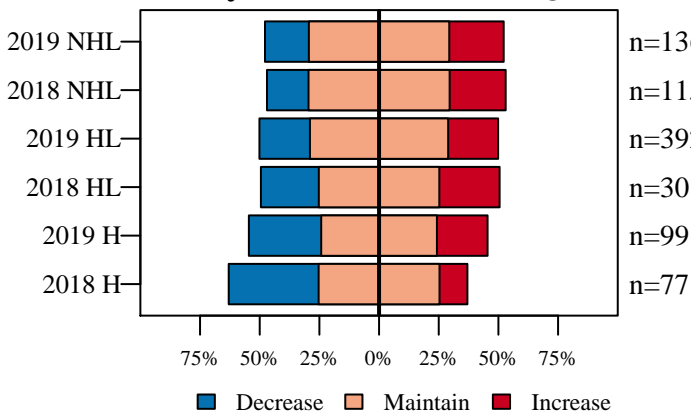


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

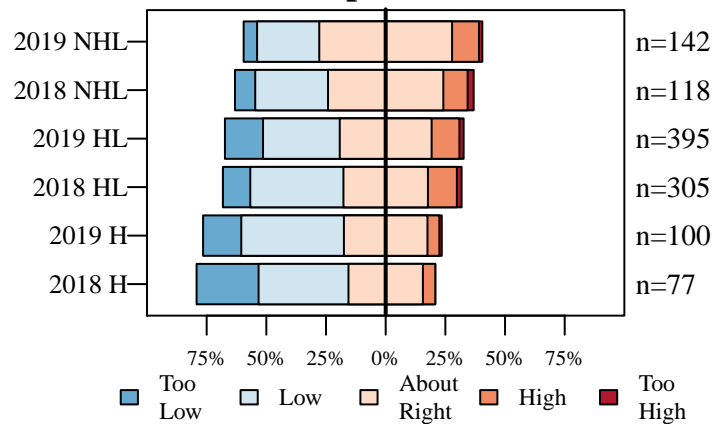


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

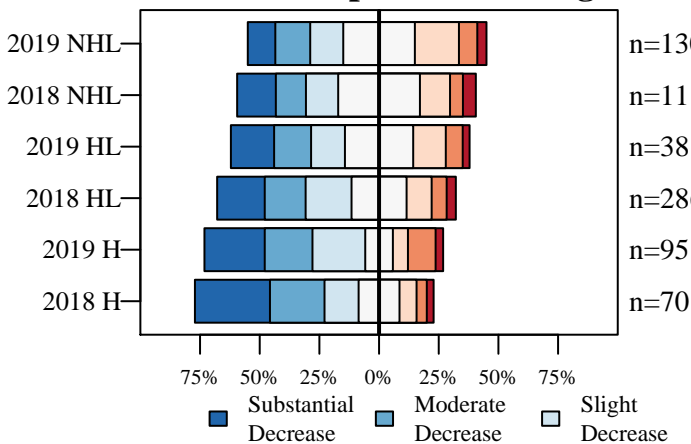


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

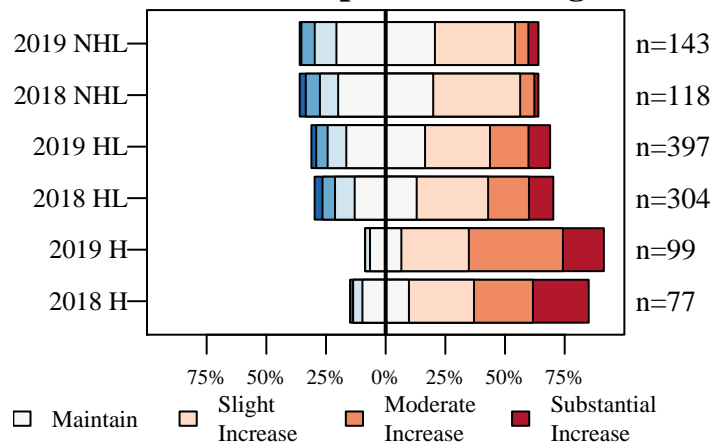


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Hamilton County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

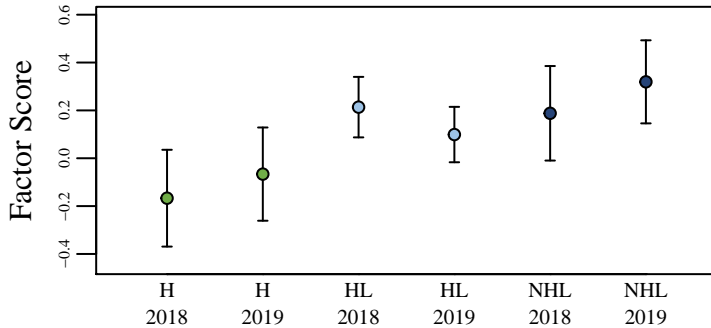


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

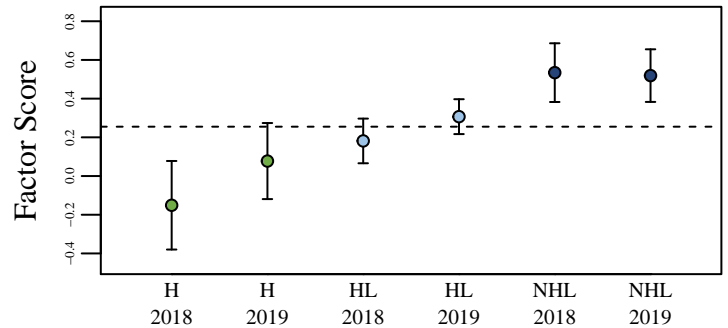


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

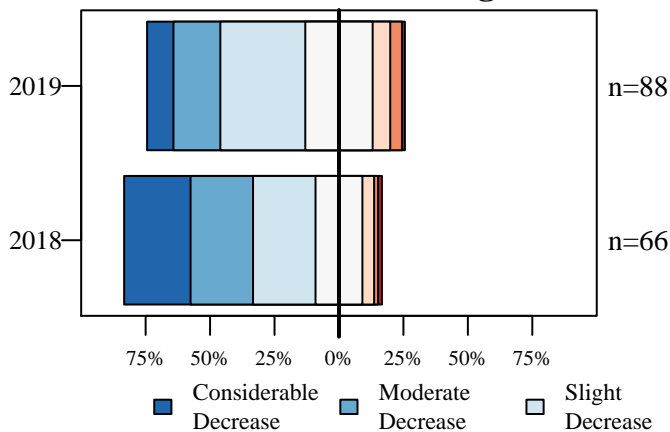


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

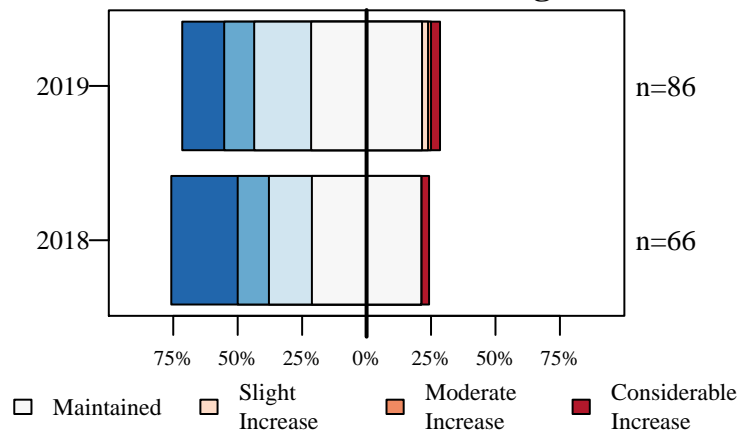


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

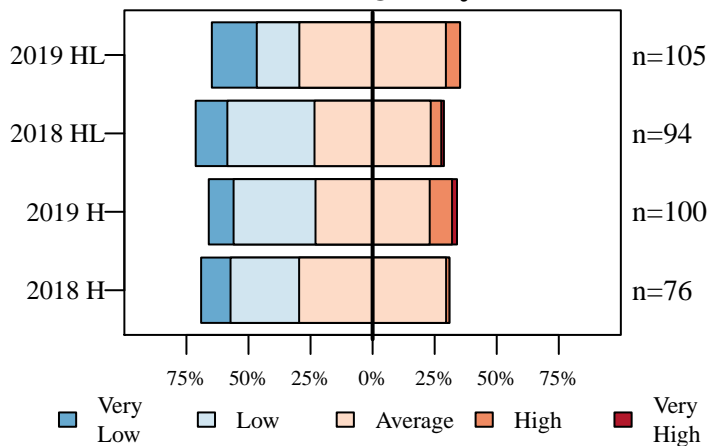


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

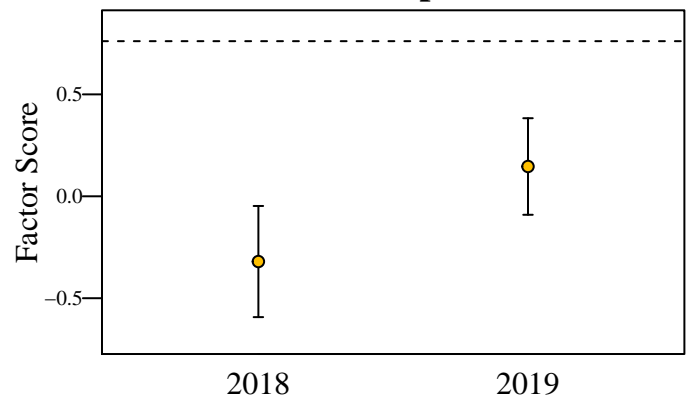


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Hancock County

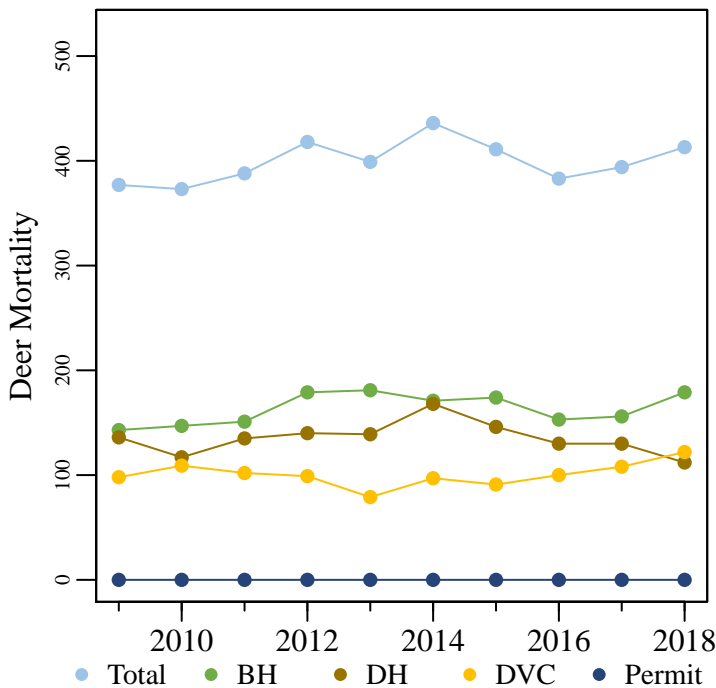
6/26/2019

Total Square Miles: 307  
 Square Miles of Deer Habitat: 30  
 Percent Deer Habitat: 10

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	310		160		5.33	150		5.00	48.39		103		2
2006	290		152		5.07	138		4.60	47.59		133		2
2007	286		150		5.00	136		4.53	47.55		125		2
2008	274		149		4.97	125		4.17	45.62		117		3
2009	279		143		4.77	136		4.53	48.75		98		3
2010	264	-1.72	147	-0.62	4.90	117	-2.25	3.90	44.32		109	-0.42	3
2011	286	0.72	151	0.82	5.03	135	0.51	4.50	47.20		102	-1.06	3
2012	319	4.46	179	9.80	5.97	140	1.20	4.67	43.89		99	-1.02	3
2013	320	1.70	181	1.89	6.03	139	0.89	4.63	43.44		79	-3.26	3
2014	339	1.82	171	0.59	5.70	168	3.68	5.60	49.56		97	-0.04	3
2015	320	0.48	174	0.52	5.80	146	0.34	4.87	45.62		91	-0.56	3
2016	283	-1.77	153	-1.52	5.10	130	-1.19	4.33	45.94	0	100	0.70	3
2017	286	-1.48	156	-1.40	5.20	130	-1.02	4.33	45.45	0	108	1.56	3
2018	291	-0.77	179	1.00	5.97	112	-1.95	3.73	38.49	0	122	2.74	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

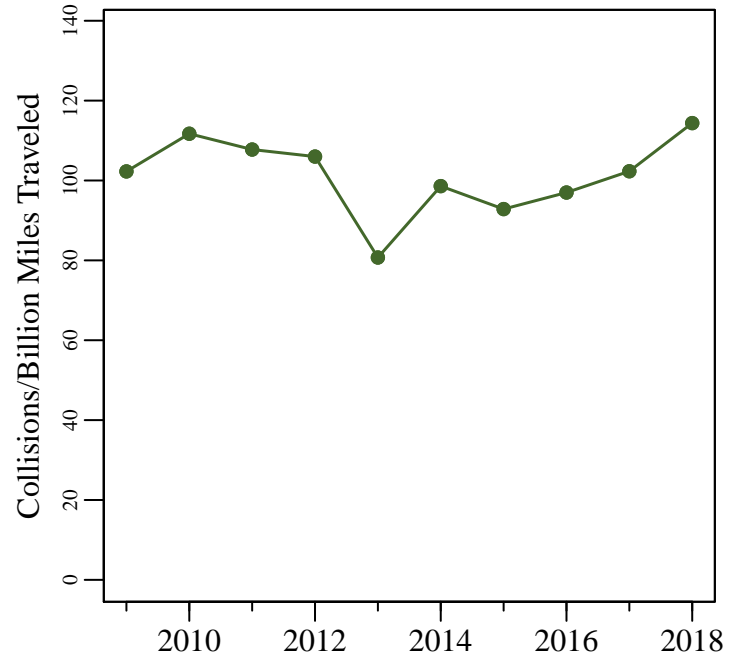


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Hancock County

6/26/2019

Total Square Miles: 307  
 Square Miles of Deer Habitat: 30  
 Percent Deer Habitat: 10

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	267	132	135	0	0	114	126	23	3	1	0	0	0	0	0	0
2016	250	131	119	0	0	106	125	18	1	0	0	0	0	0	0	0
2017	239	115	123	1	0	100	118	20	1	0	0	0	0	0	0	0
2018	247	97	150	0	0	127	100	19	1	0	0	0	0	0	0	0

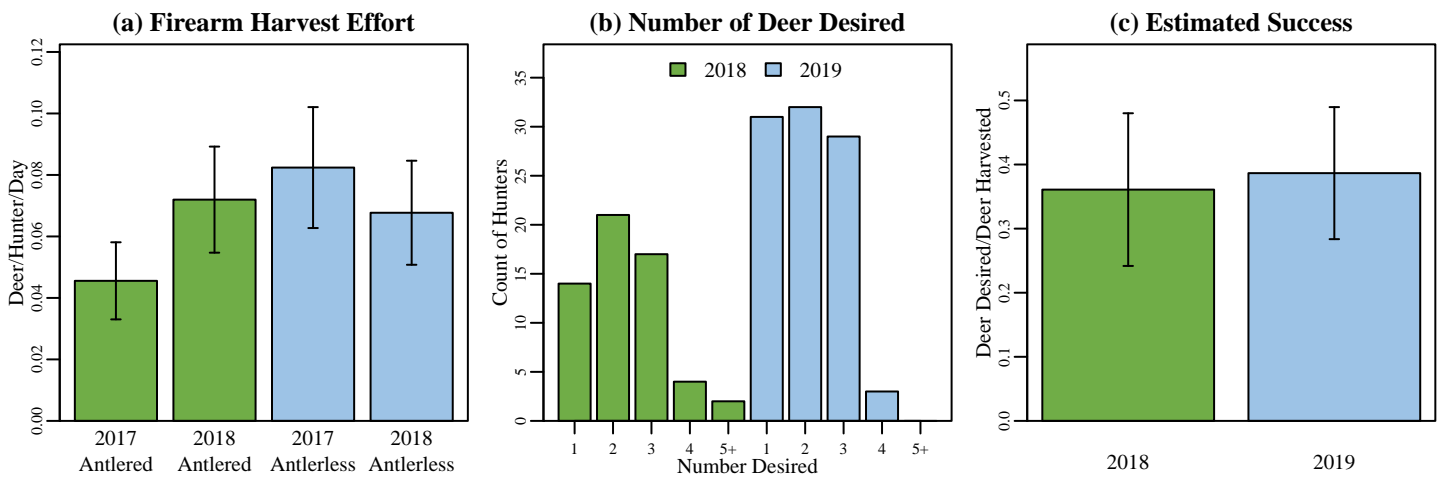
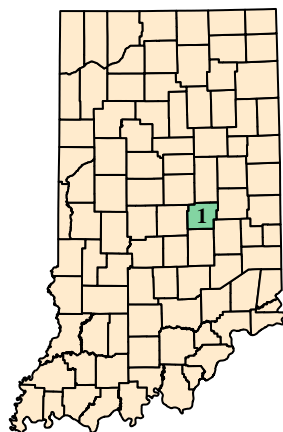


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Hancock County Map



## (b) Deer Habitat in Hancock County

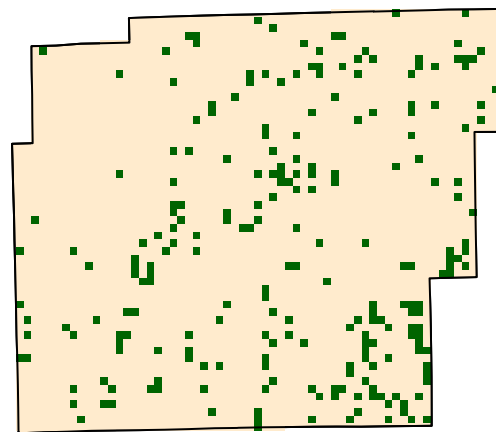


Figure 3. (a) Hancock County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Hancock County.

# Hancock County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

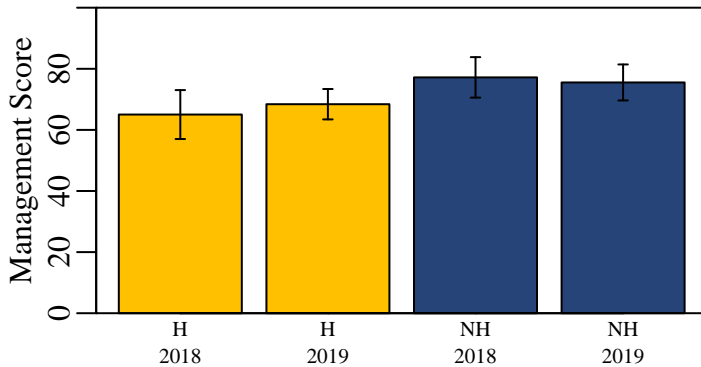


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

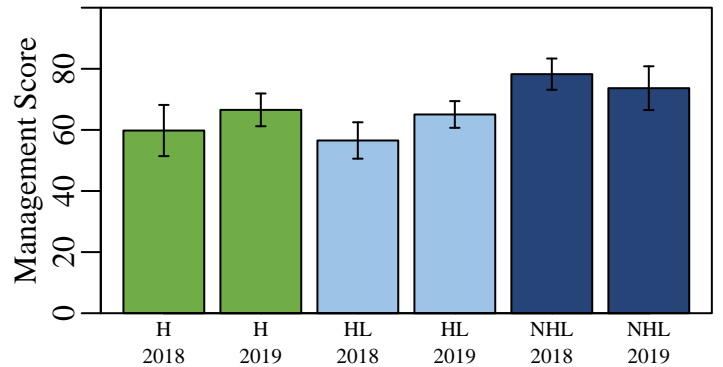


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

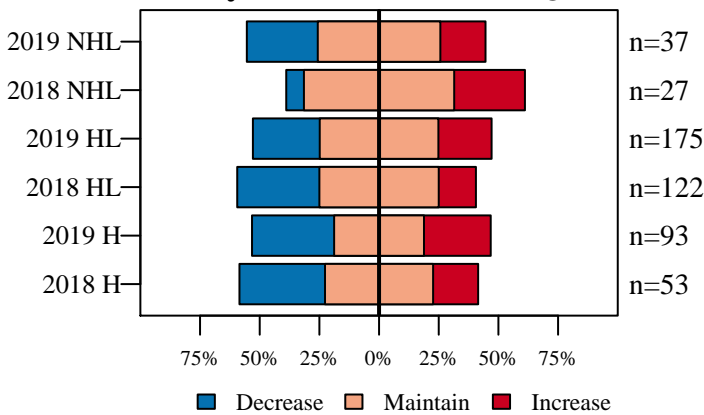


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

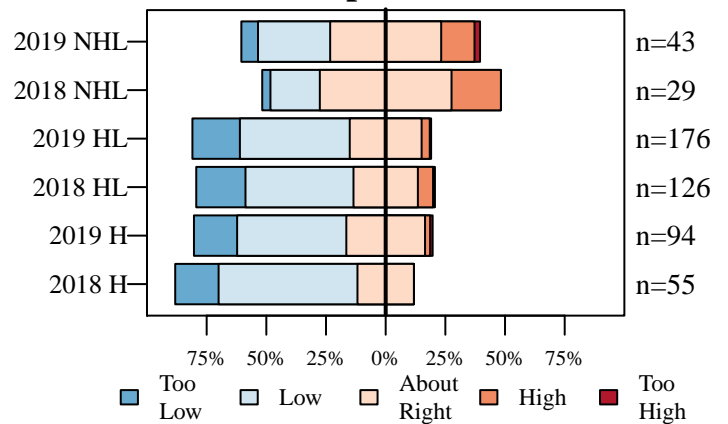


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

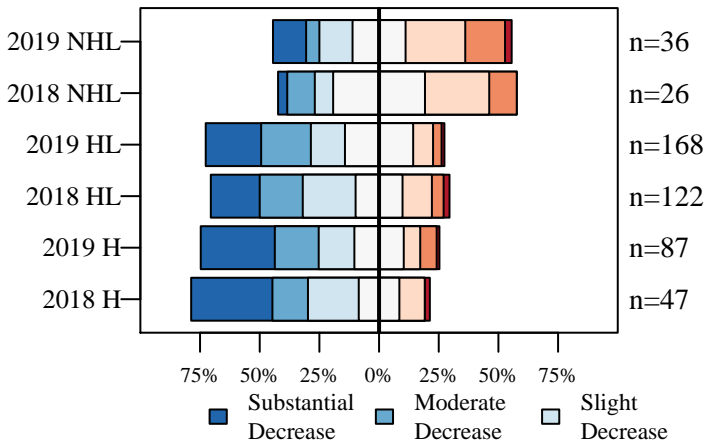


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

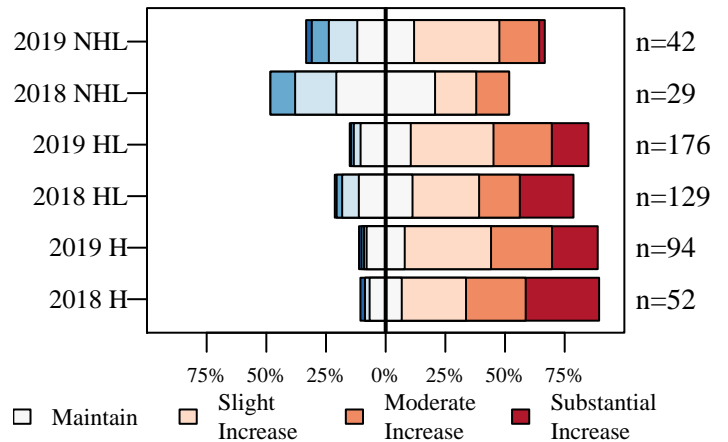


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Hancock County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

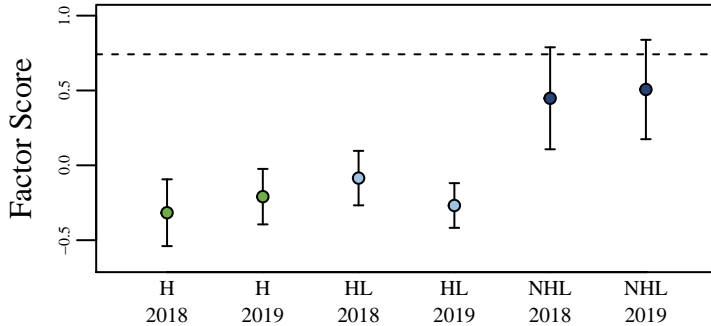


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

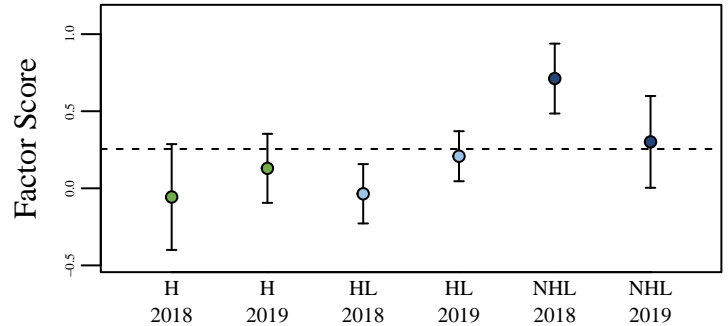


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

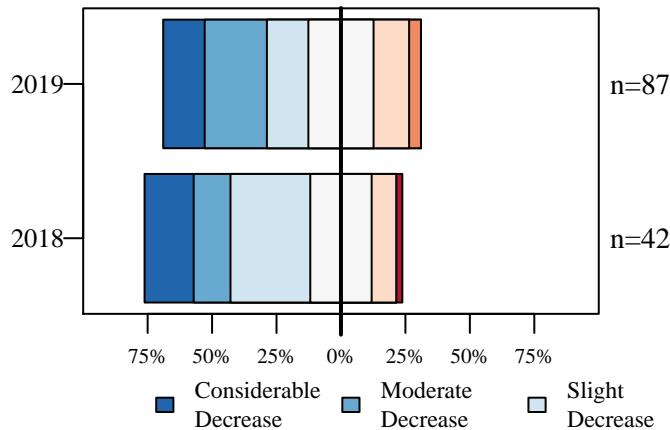


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

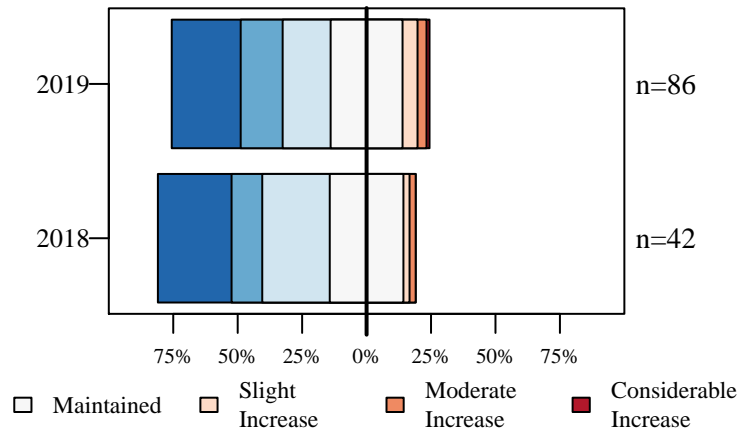


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

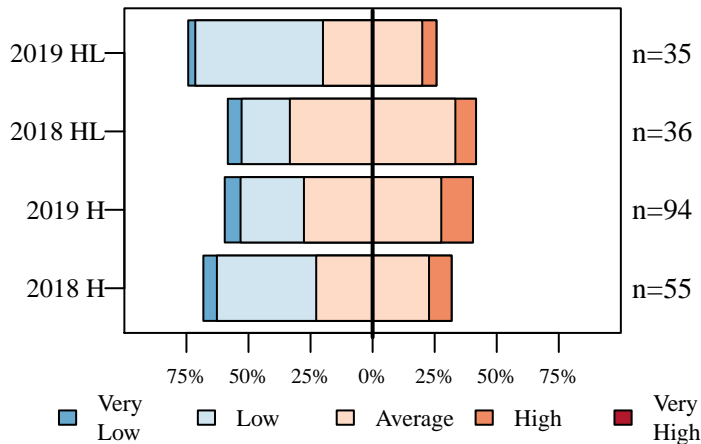


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

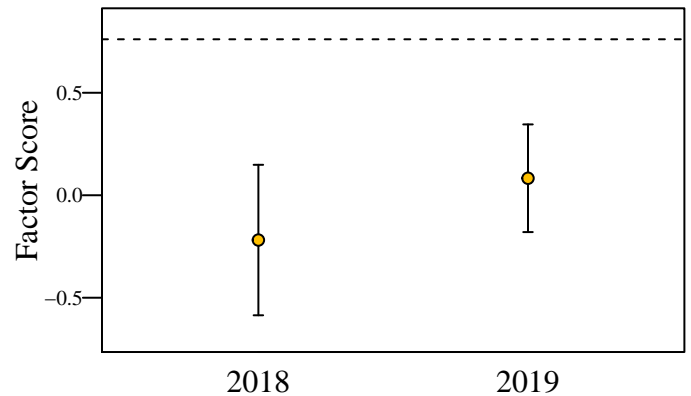


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Harrison County

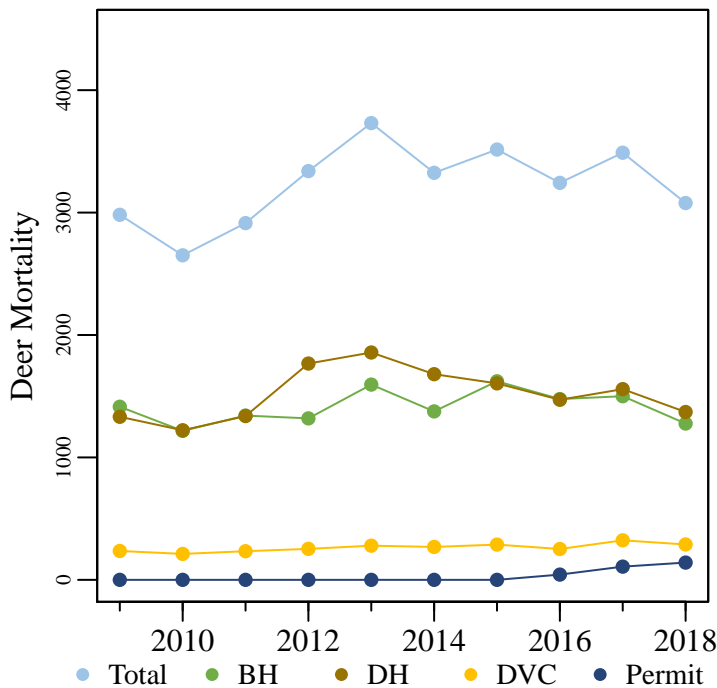
6/26/2019

Total Square Miles: 486  
 Square Miles of Deer Habitat: 384  
 Percent Deer Habitat: 79

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,417		1,245		3.24	1,172		3.05	48.49		252		8
2006	2,574		1,280		3.33	1,294		3.37	50.27		275		8
2007	2,190		1,074		2.80	1,116		2.91	50.96		252		8
2008	2,658		1,247		3.25	1,411		3.67	53.09		277		8
2009	2,746		1,414		3.68	1,332		3.47	48.51		236		8
2010	2,439	-0.36	1,217	-0.29	3.17	1,222	-0.36	3.18	50.10		212	-2.67	8
2011	2,680	0.73	1,342	0.78	3.49	1,338	0.56	3.48	49.93		234	-0.60	8
2012	3,086	2.38	1,319	0.46	3.43	1,767	4.18	4.60	57.26		253	0.45	8
2013	3,452	3.12	1,595	3.67	4.15	1,857	2.12	4.84	53.79		279	1.51	8
2014	3,056	0.44	1,376	-0.01	3.58	1,680	0.62	4.38	54.97		269	1.05	8
2015	3,227	0.73	1,622	1.81	4.22	1,605	0.12	4.18	49.74		288	1.43	8
2016	2,948	-0.54	1,477	0.18	3.85	1,471	-0.90	3.83	49.90	43	252	-0.59	8
2017	3,058	-0.49	1,500	0.17	3.91	1,558	-0.79	4.06	50.95	108	323	3.04	8
2018	2,648	-2.54	1,277	-2.41	3.33	1,371	-1.81	3.57	51.77	141	289	0.61	8

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

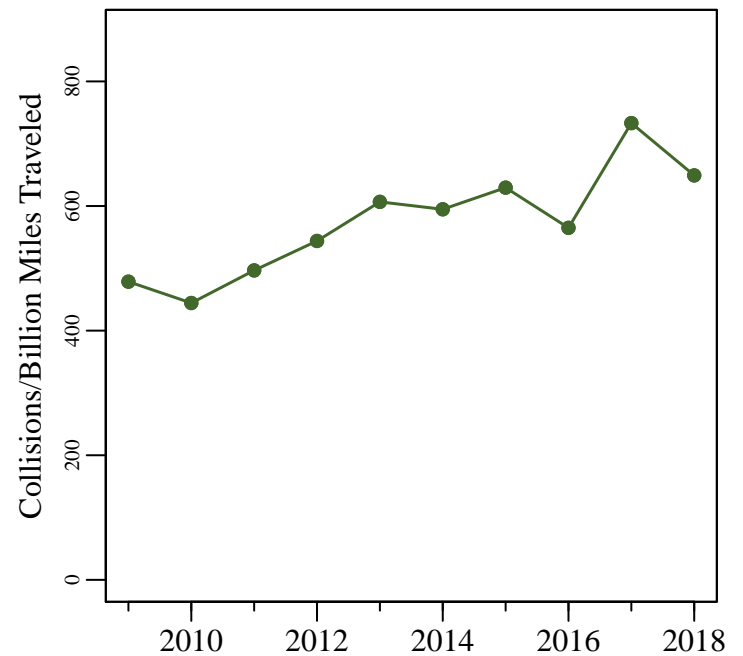


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Harrison County

6/26/2019

Total Square Miles: 486  
 Square Miles of Deer Habitat: 384  
 Percent Deer Habitat: 79

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	2,236	955	1,276	5	0	869	964	293	73	26	4	3	2	2	0	0
2016	2,096	878	1,215	3	0	859	885	261	59	22	7	2	0	1	0	0
2017	2,113	931	1,172	10	0	818	895	291	76	18	6	6	1	2	0	0
2018	1,847	811	1,035	1	0	707	802	242	70	17	7	2	0	0	0	0

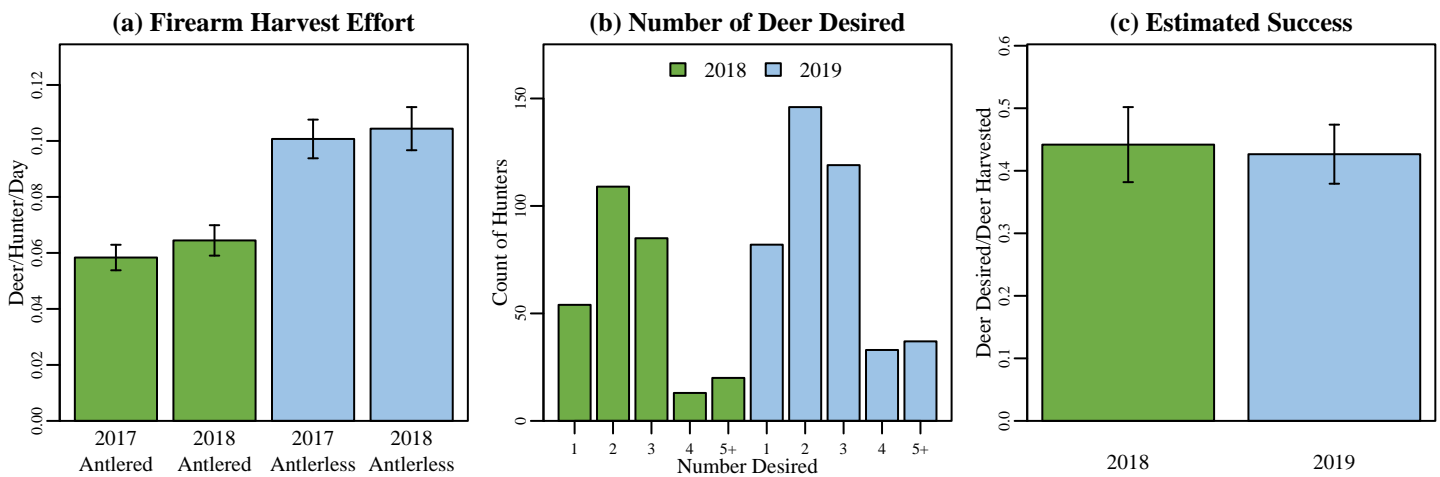
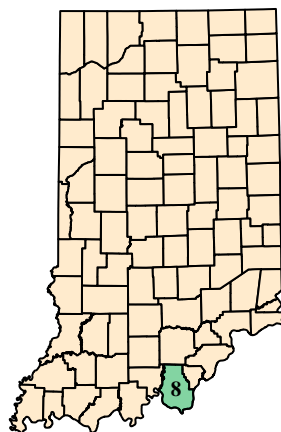


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Harrison County Map



## (b) Deer Habitat in Harrison County

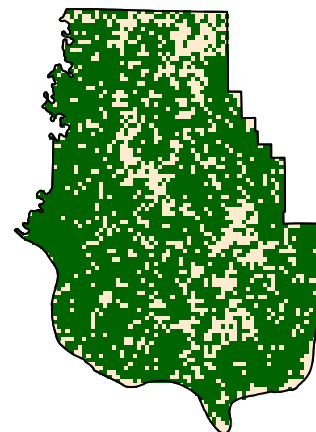


Figure 3. (a) Harrison County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Harrison County.

# Harrison County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

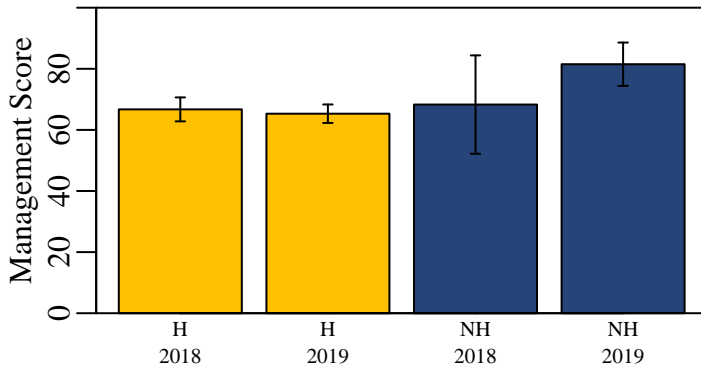


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

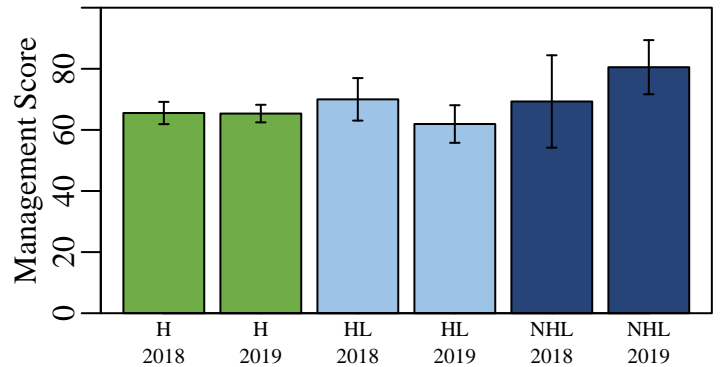


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

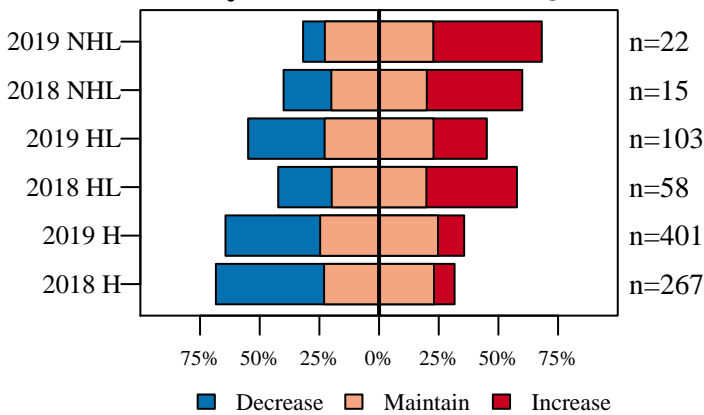


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

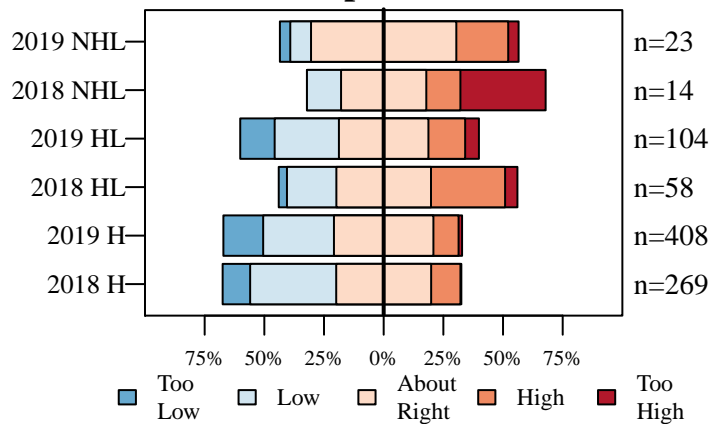


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

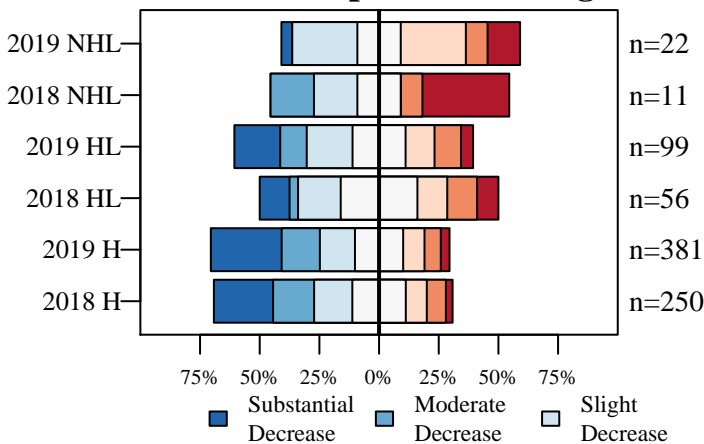


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

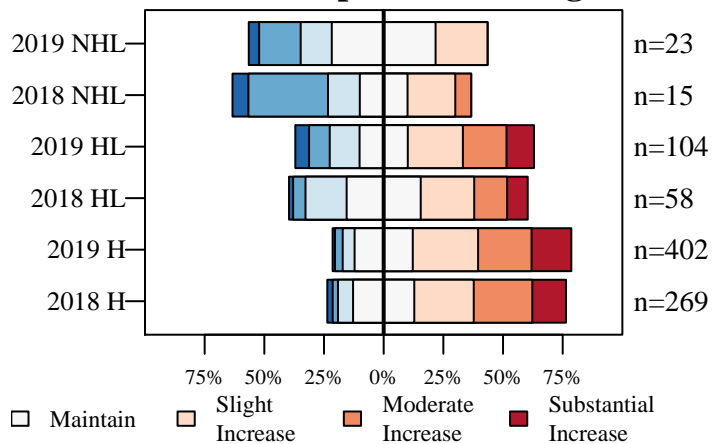


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Harrison County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

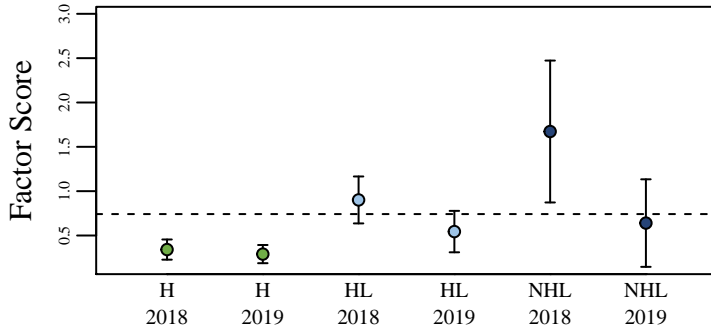


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

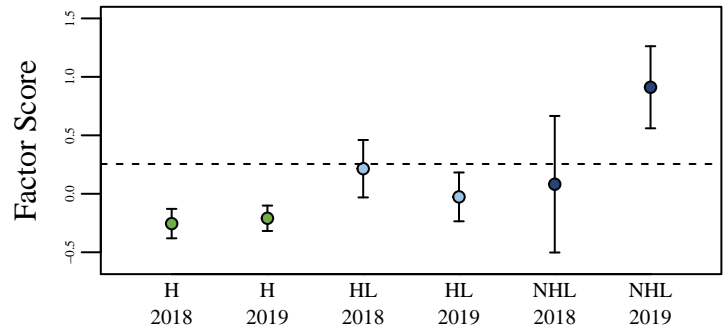


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

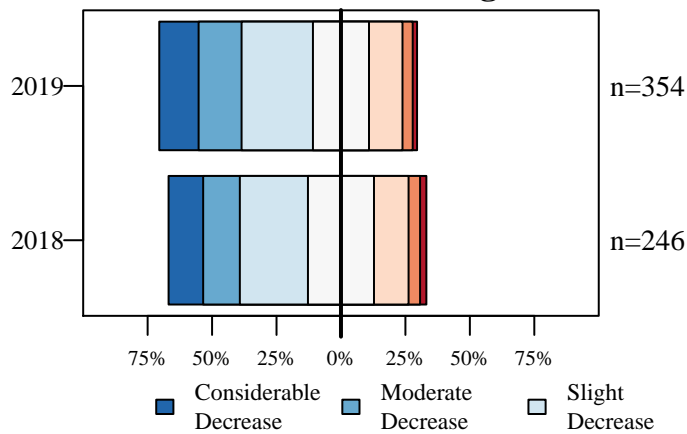


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

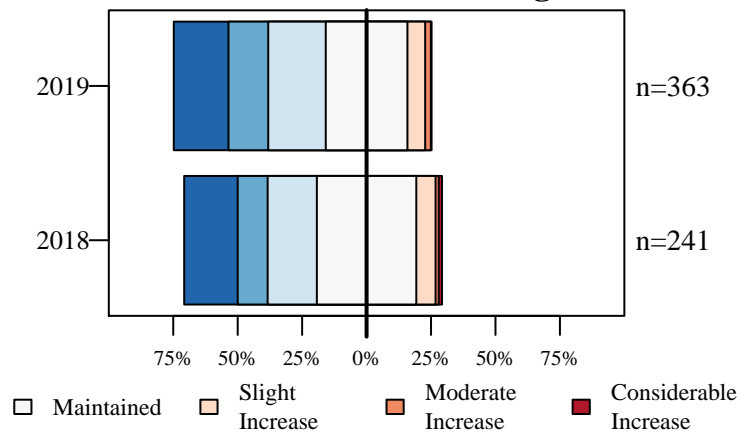


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

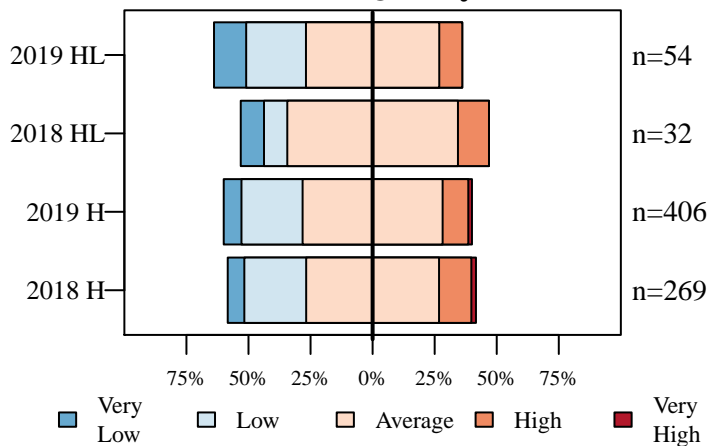


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

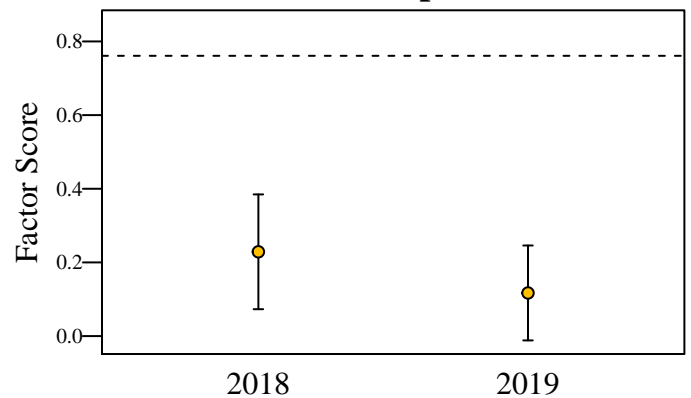


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Hendricks County

6/26/2019

Total Square Miles: 409  
 Square Miles of Deer Habitat: 70  
 Percent Deer Habitat: 17

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	518		331		4.73	187		2.67	36.10		200		3
2006	519		287		4.10	232		3.31	44.70		218		8
2007	577		325		4.64	252		3.60	43.67		231		8
2008	640		366		5.23	274		3.91	42.81		192		8
2009	621		363		5.19	258		3.69	41.55		203		8
2010	618	0.76	332	-0.07	4.74	286	1.35	4.09	46.28		180	-1.85	8
2011	619	0.50	344	0.29	4.91	275	0.70	3.93	44.43		221	0.80	8
2012	758	6.20	389	2.36	5.56	369	7.25	5.27	48.68		221	0.75	8
2013	639	-0.20	343	-0.72	4.90	296	0.08	4.23	46.32		198	-0.30	8
2014	645	-0.10	318	-1.61	4.54	327	0.71	4.67	50.70		205	0.02	8
2015	627	-0.49	335	-0.38	4.79	292	-0.49	4.17	46.57		198	-0.41	8
2016	613	-0.78	369	0.88	5.27	244	-1.83	3.49	39.80	1	179	-2.54	8
2017	564	-1.59	304	-1.66	4.34	260	-0.99	3.71	46.10	0	181	-1.42	8
2018	628	0.32	378	1.78	5.40	250	-1.04	3.57	39.81	0	207	0.39	3

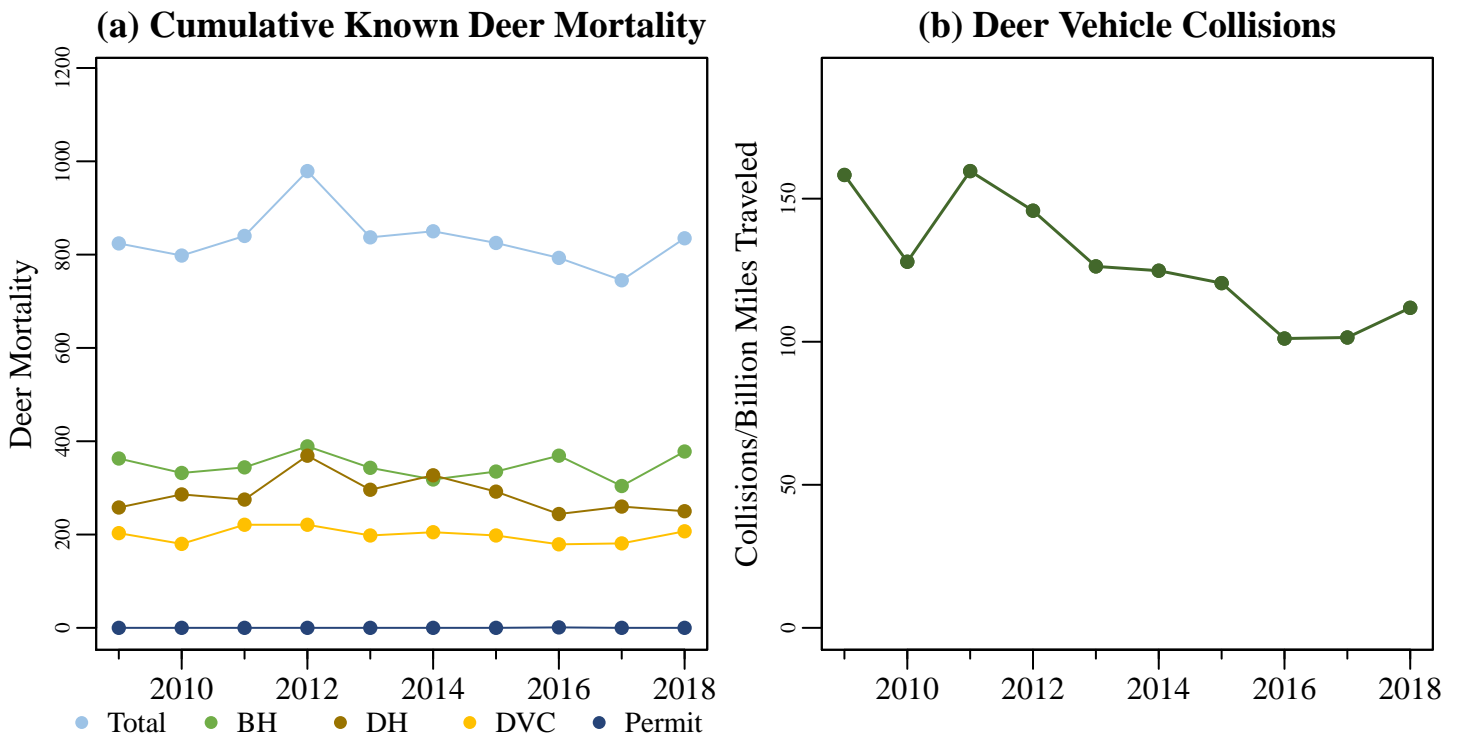


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Hendricks County

6/26/2019

Total Square Miles: 409  
 Square Miles of Deer Habitat: 70  
 Percent Deer Habitat: 17

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	485	243	236	5	1	177	252	44	10	2	0	0	0	0	0	0
2016	485	187	291	7	0	238	203	34	5	3	2	0	0	0	0	0
2017	425	194	225	6	0	162	210	44	7	2	0	0	0	0	0	0
2018	493	189	294	10	0	231	213	46	3	0	0	0	0	0	0	0

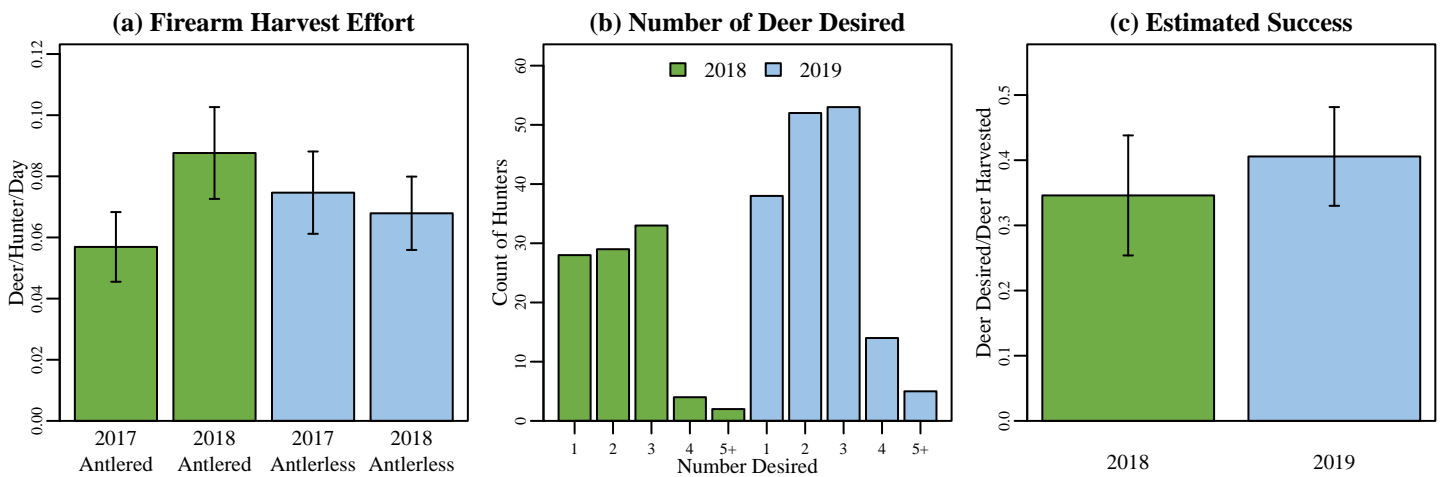


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Hendricks County Map



## (b) Deer Habitat in Hendricks County

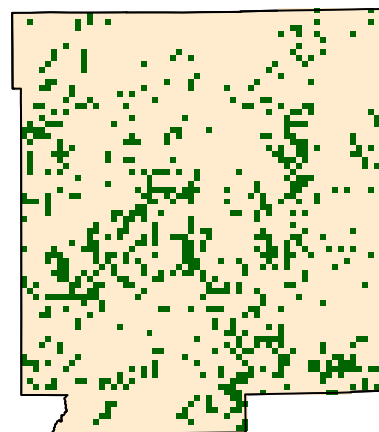


Figure 3. (a) Hendricks County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Hendricks County.

# Hendricks County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

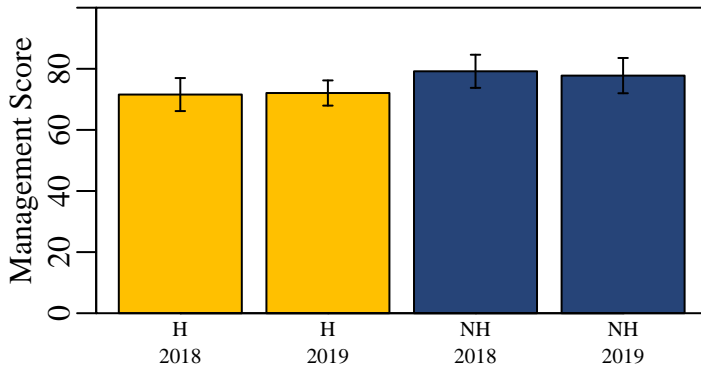


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

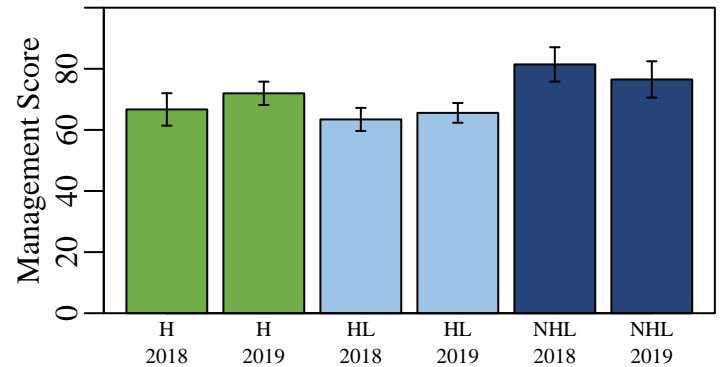


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

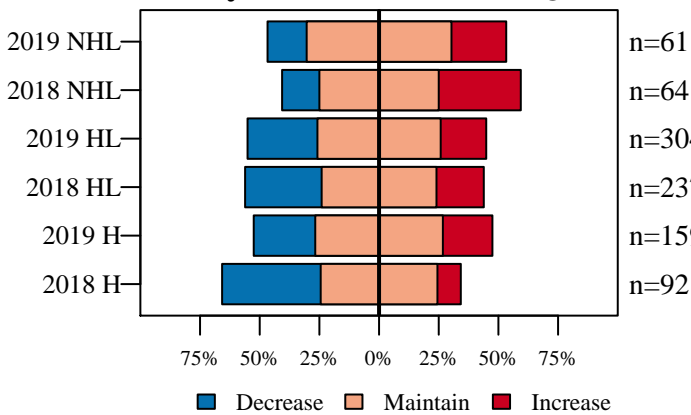


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

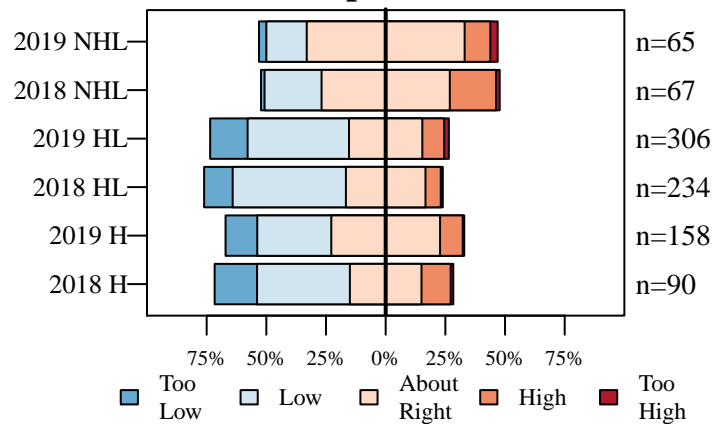


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

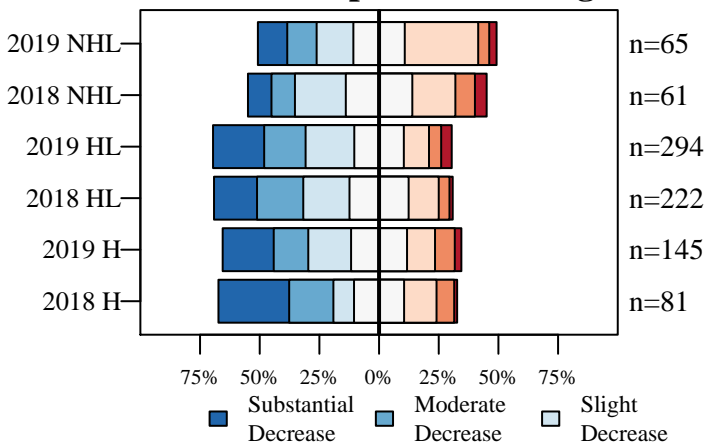


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

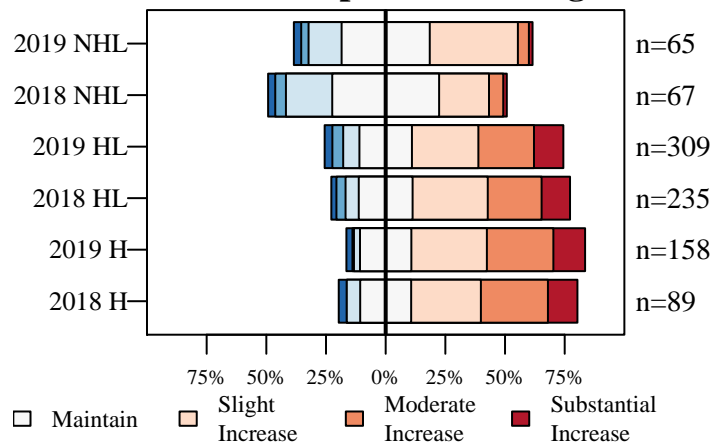


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Hendricks County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

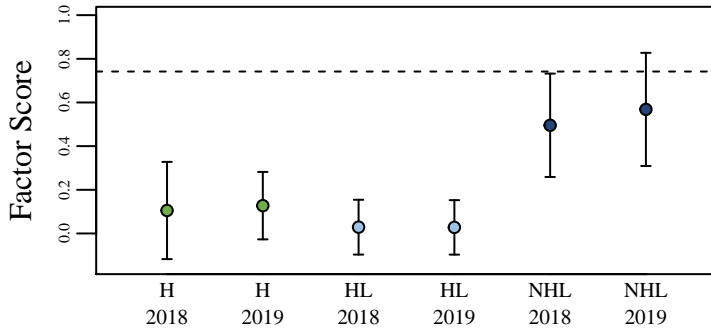


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

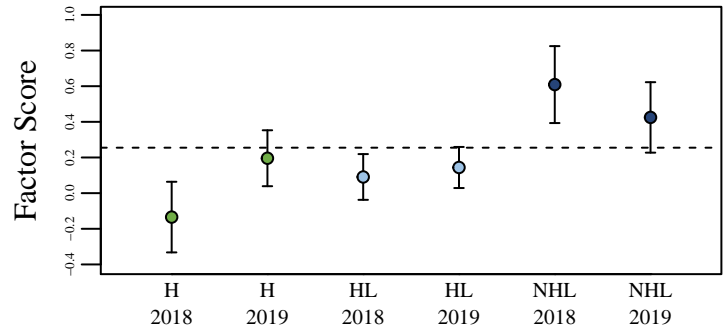


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

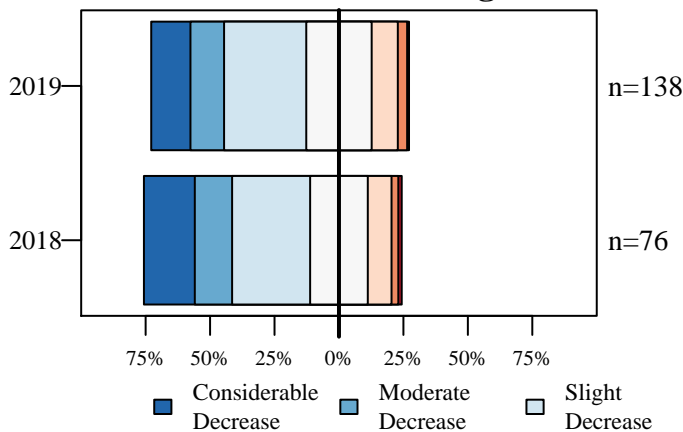


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

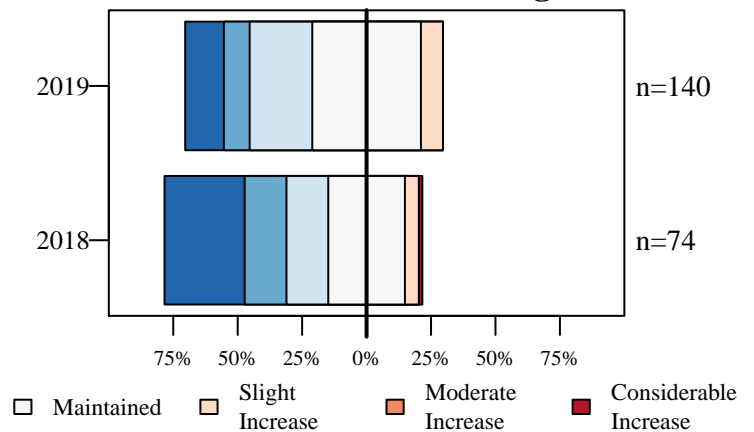


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

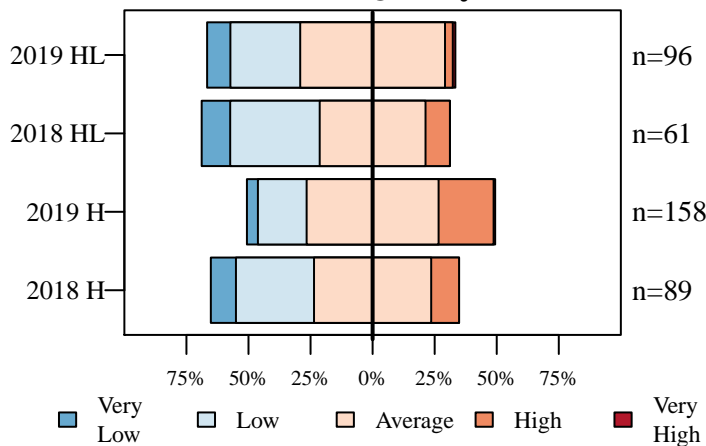


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

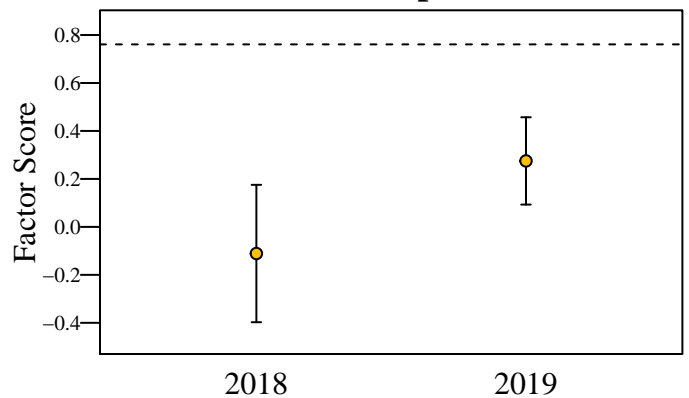


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Henry County

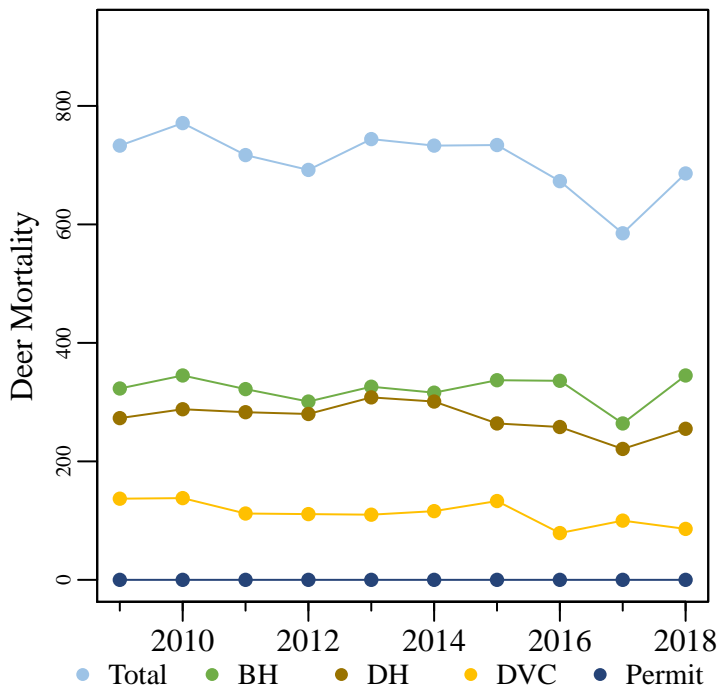
6/26/2019

Total Square Miles: 395  
 Square Miles of Deer Habitat: 64  
 Percent Deer Habitat: 16

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	542		281		4.39	261		4.08	48.15		148		3
2006	501		266		4.16	235		3.67	46.91		150		3
2007	494		270		4.22	224		3.50	45.34		133		3
2008	519		292		4.56	227		3.55	43.74		123		3
2009	596		323		5.05	273		4.27	45.81		137		3
2010	633	2.50	345	2.57	5.39	288	2.02	4.50	45.50		138	-0.02	3
2011	605	0.91	322	0.67	5.03	283	1.15	4.42	46.78		112	-2.49	3
2012	581	0.19	301	-0.32	4.70	280	0.68	4.38	48.19		111	-1.60	4
2013	634	1.11	326	0.45	5.09	308	1.53	4.81	48.58		110	-1.09	4
2014	617	0.31	316	-0.47	4.94	301	1.10	4.70	48.78		116	-0.39	4
2015	601	-0.59	337	0.94	5.27	264	-2.33	4.12	43.93		133	1.33	4
2016	594	-0.69	336	1.17	5.25	258	-1.66	4.03	43.43	0	79	-3.91	4
2017	485	-5.85	264	-3.93	4.12	221	-2.78	3.45	45.57	0	100	-0.58	4
2018	600	0.24	345	0.97	5.39	255	-0.44	3.98	42.50	0	86	-1.38	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

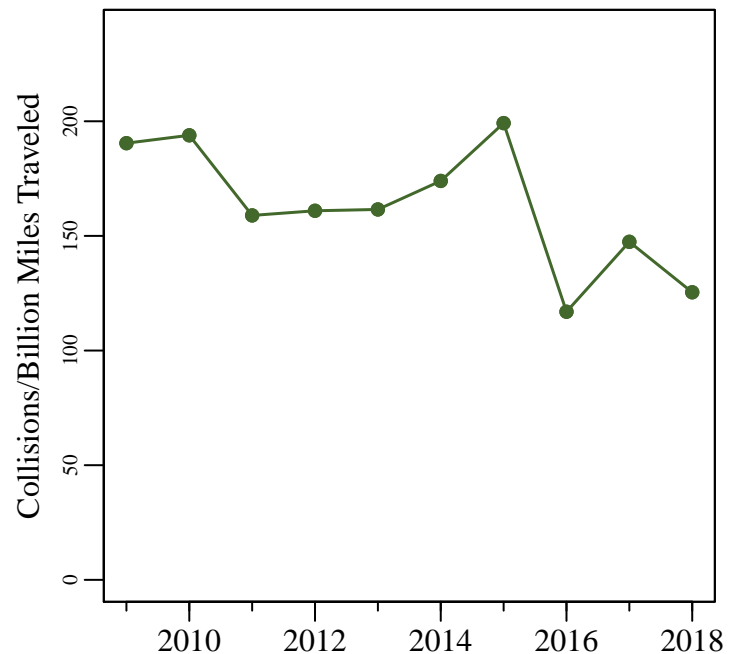


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Henry County

6/26/2019

Total Square Miles: 395  
 Square Miles of Deer Habitat: 64  
 Percent Deer Habitat: 16

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	487	215	272	0	0	229	205	43	6	2	1	0	1	0	0	0
2016	472	223	248	1	0	196	221	46	7	1	0	1	0	0	0	0
2017	394	190	202	2	0	172	178	33	9	2	0	0	0	0	0	0
2018	493	225	268	0	0	223	217	45	7	1	0	0	0	0	0	0

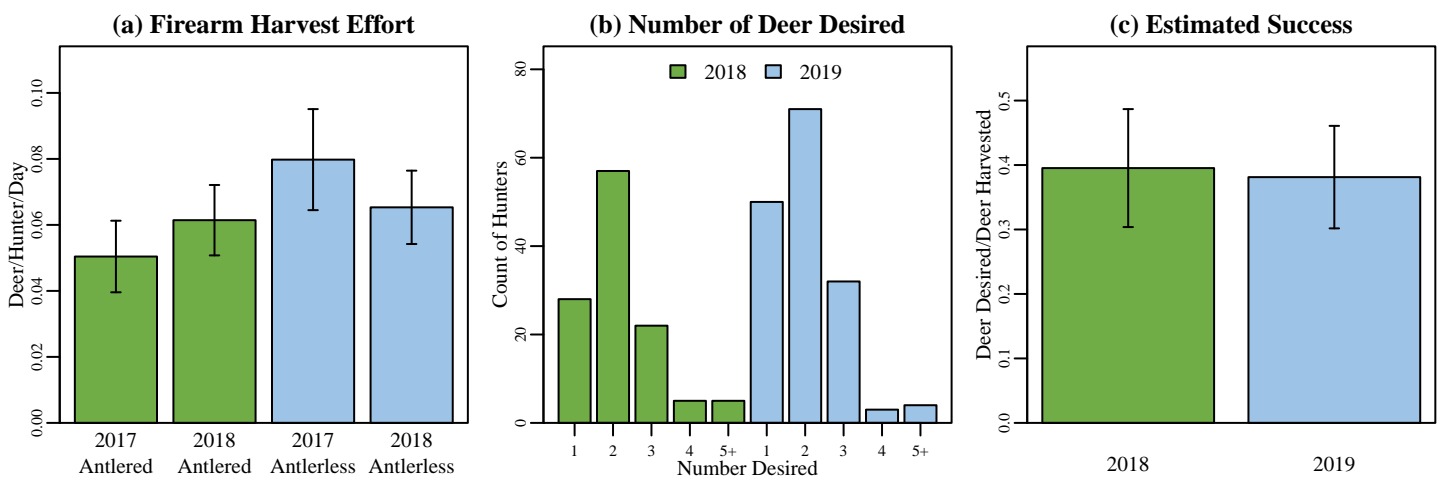


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Henry County Map



## (b) Deer Habitat in Henry County

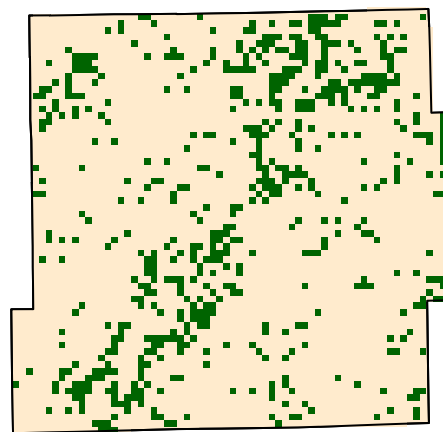


Figure 3. (a) Henry County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Henry County.

# Henry County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

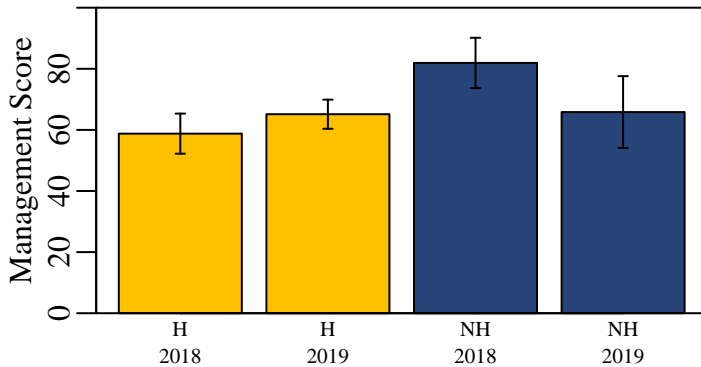


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

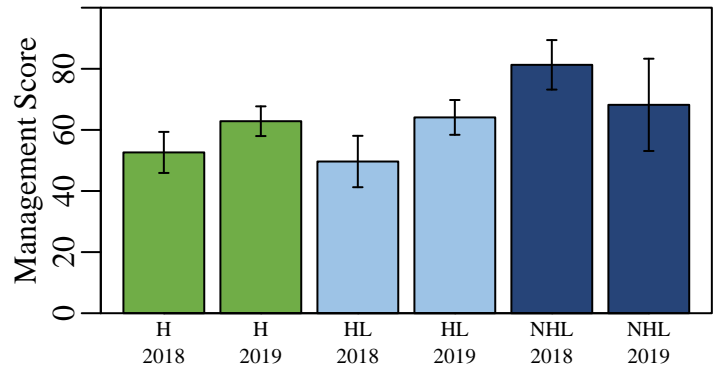


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

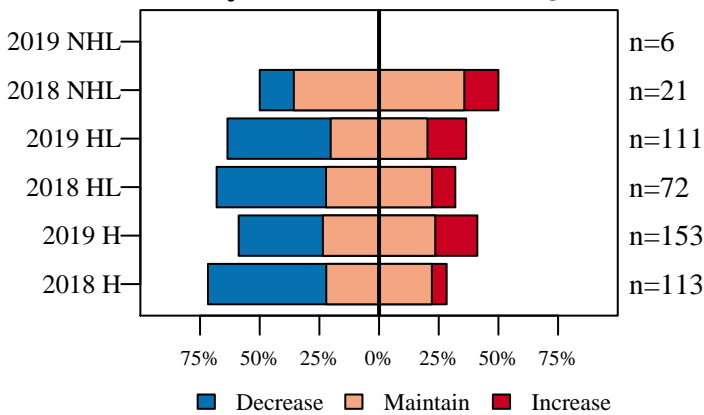


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

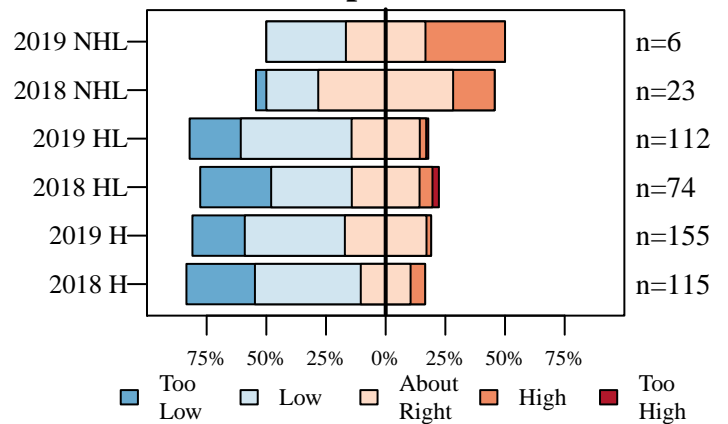


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

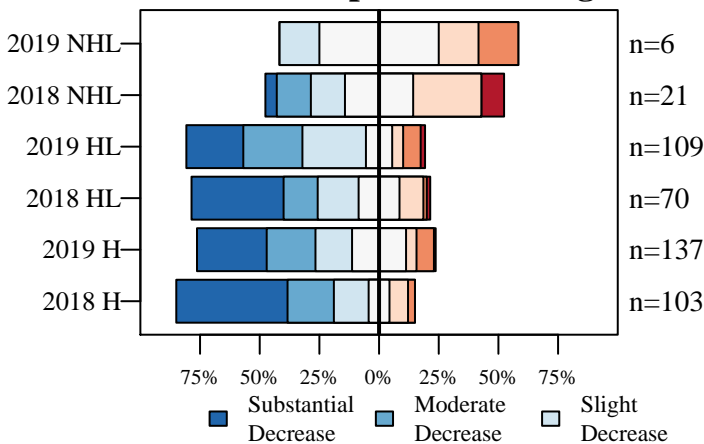


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

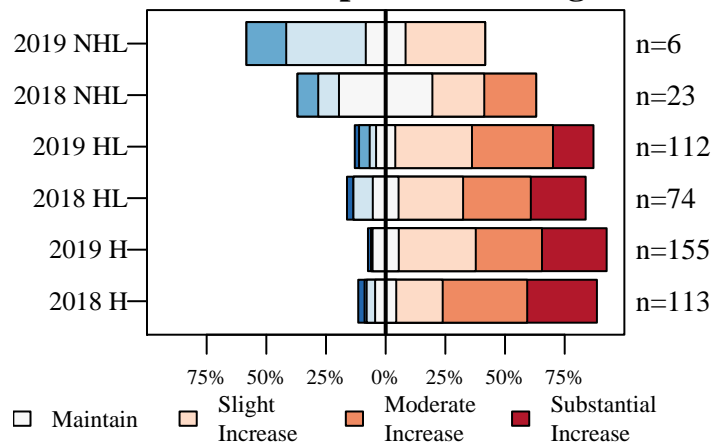


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Henry County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

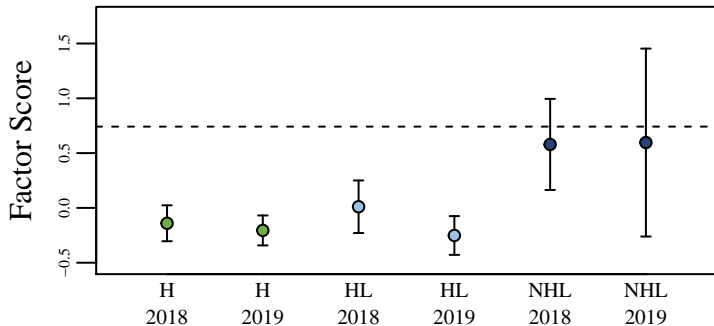


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

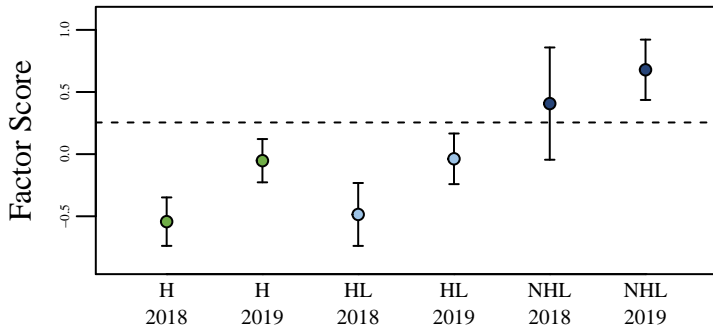


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

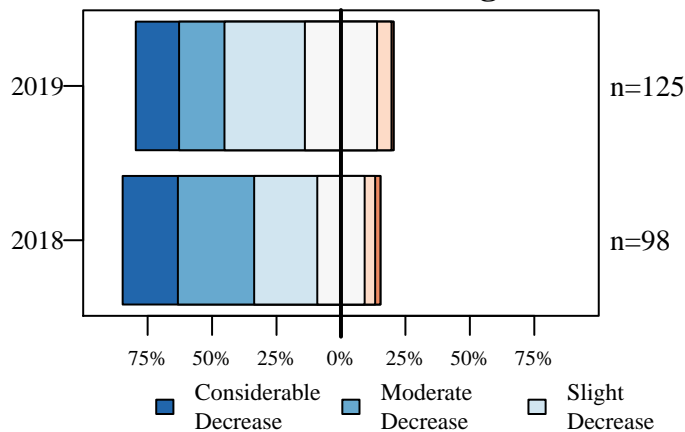


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

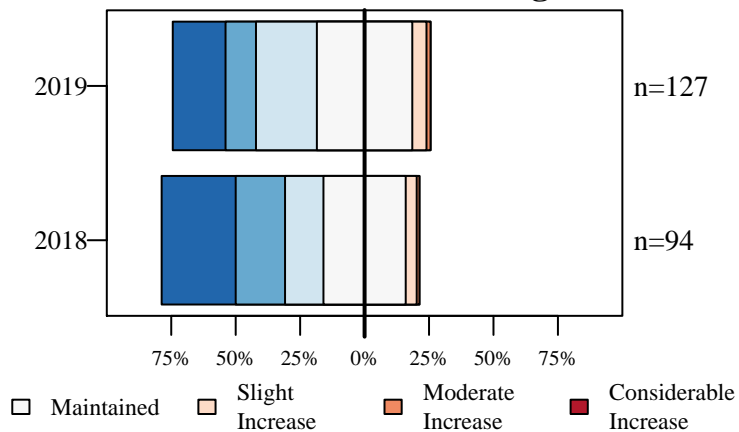


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

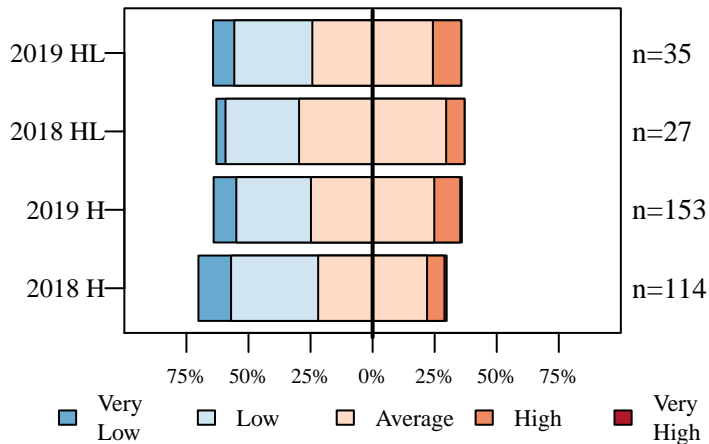


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

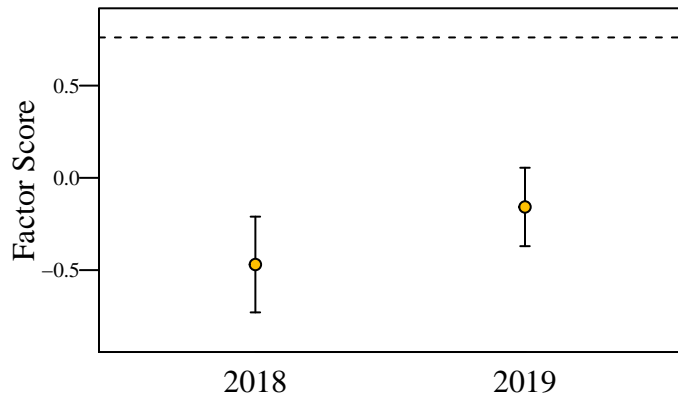


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Howard County

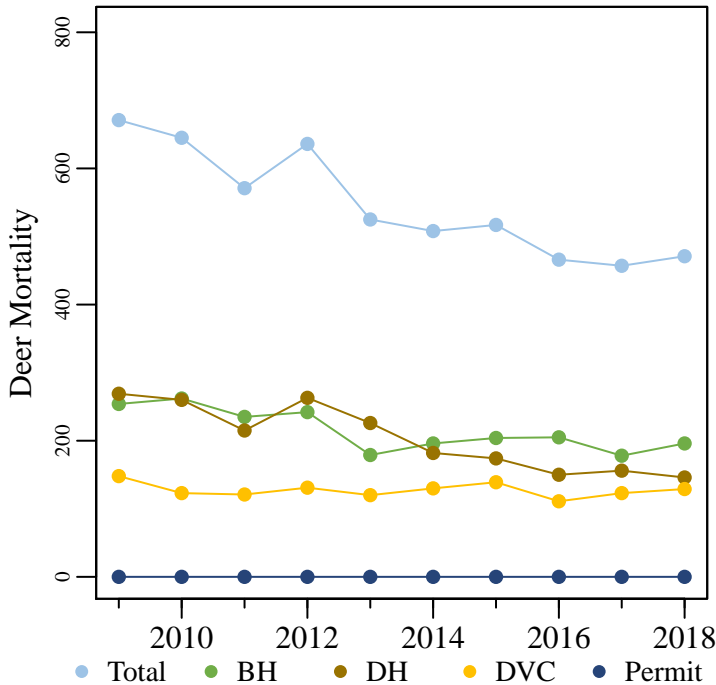
6/26/2019

Total Square Miles: 294  
 Square Miles of Deer Habitat: 21  
 Percent Deer Habitat: 7

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	401		238		11.33	163		7.76	40.65		121		2
2006	410		207		9.86	203		9.67	49.51		148		3
2007	504		274		13.05	230		10.95	45.63		152		3
2008	488		239		11.38	249		11.86	51.02		158		4
2009	523		254		12.10	269		12.81	51.43		148		4
2010	522	1.01	262	0.80	12.48	260	0.90	12.38	49.81		123	-1.57	4
2011	450	-0.84	235	-0.47	11.19	215	-1.03	10.24	47.78		121	-1.85	8
2012	505	0.25	242	-0.67	11.52	263	0.84	12.52	52.08		131	-0.55	8
2013	405	-3.06	179	-6.00	8.52	226	-1.17	10.76	55.80		120	-1.00	8
2014	378	-1.99	196	-1.17	9.33	182	-2.65	8.67	48.15		130	0.12	3
2015	378	-1.19	204	-0.55	9.71	174	-1.64	8.29	46.03		139	2.72	3
2016	355	-1.25	205	-0.23	9.76	150	-1.73	7.14	42.25	0	111	-2.19	3
2017	334	-1.19	178	-1.18	8.48	156	-0.95	7.43	46.71	0	123	-0.23	2
2018	342	-1.04	196	0.27	9.33	146	-1.05	6.95	42.69	0	129	0.44	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

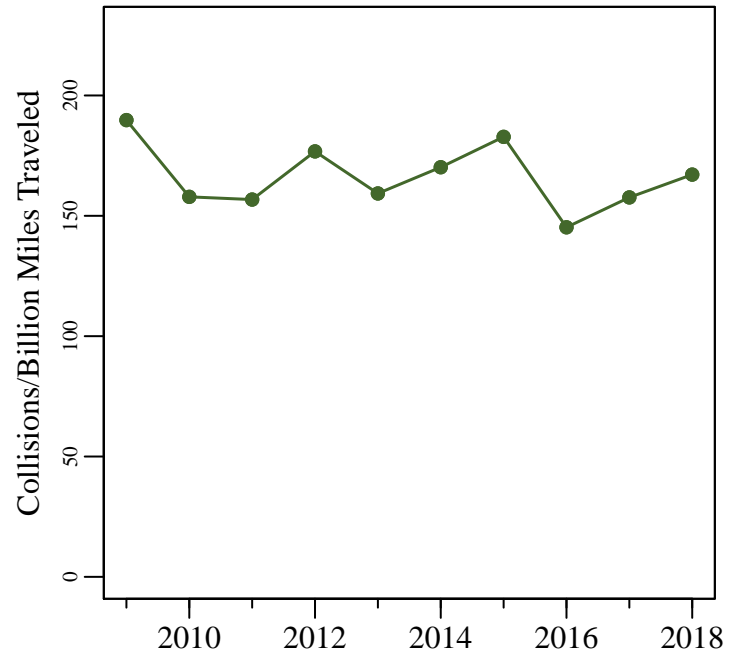


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Howard County

6/26/2019

Total Square Miles: 294  
 Square Miles of Deer Habitat: 21  
 Percent Deer Habitat: 7

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	301	157	144	0	0	116	140	41	4	0	0	0	0	0	0	0
2016	292	140	152	0	0	122	142	23	5	0	0	0	0	0	0	0
2017	278	145	133	0	0	110	136	31	1	0	0	0	0	0	0	0
2018	276	120	156	0	0	119	129	27	1	0	0	0	0	0	0	0

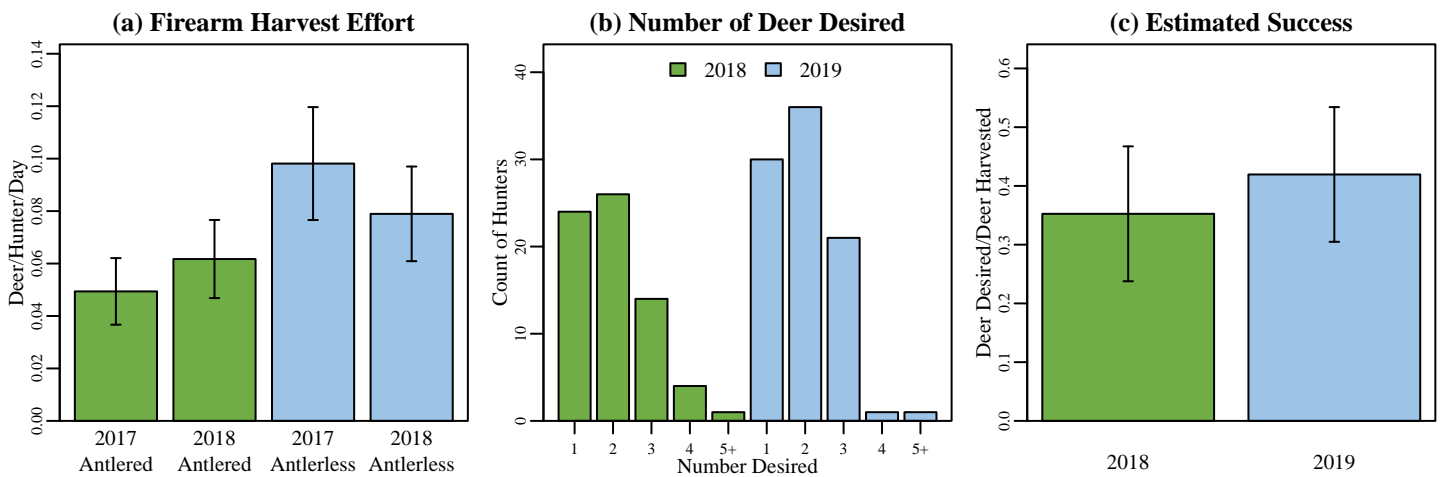
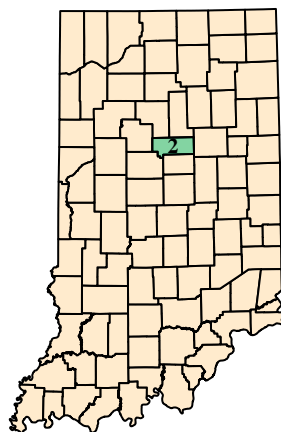


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Howard County Map



## (b) Deer Habitat in Howard County

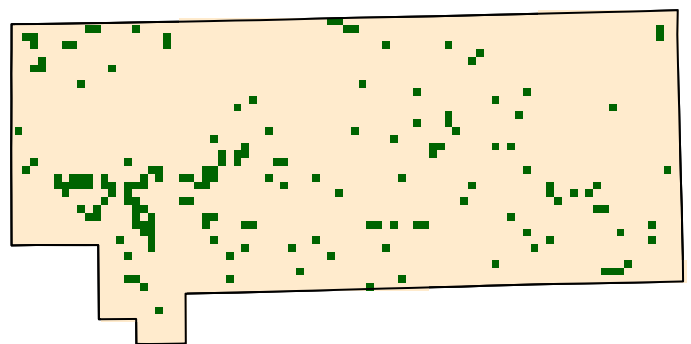


Figure 3. (a) Howard County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Howard County.

# Howard County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

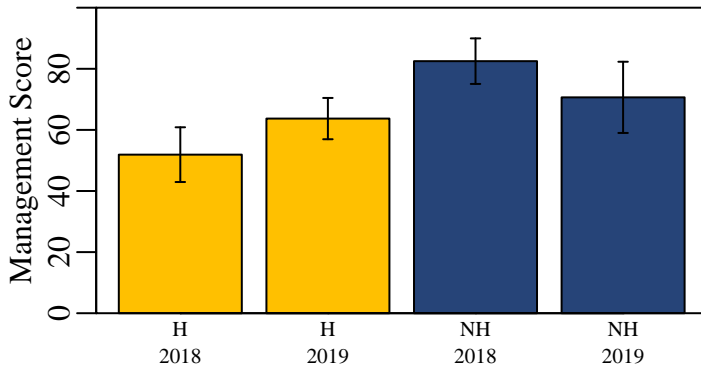


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

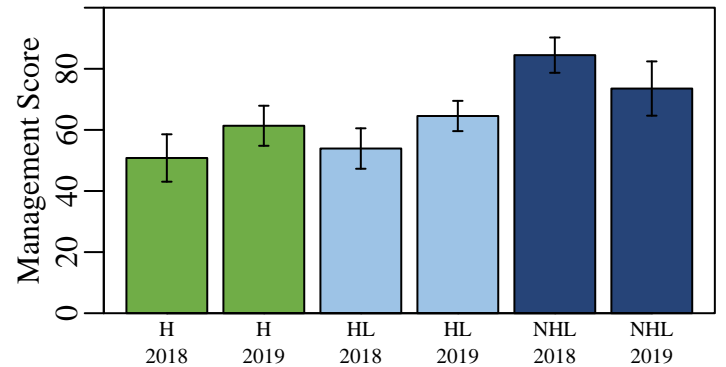


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

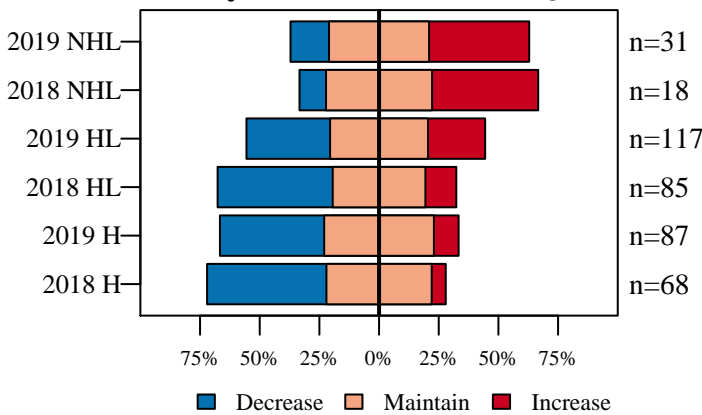


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

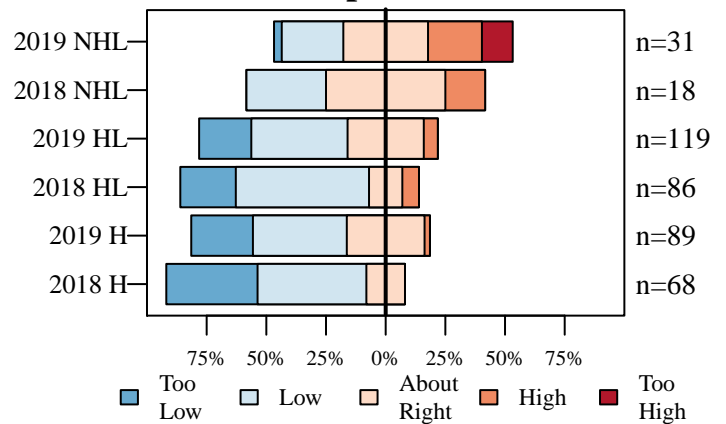


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

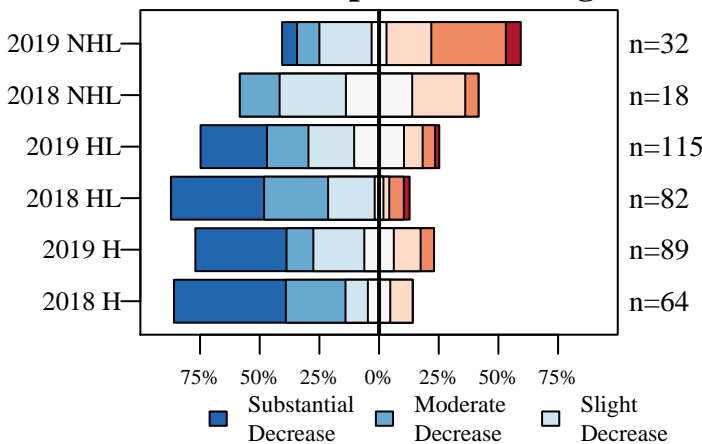


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

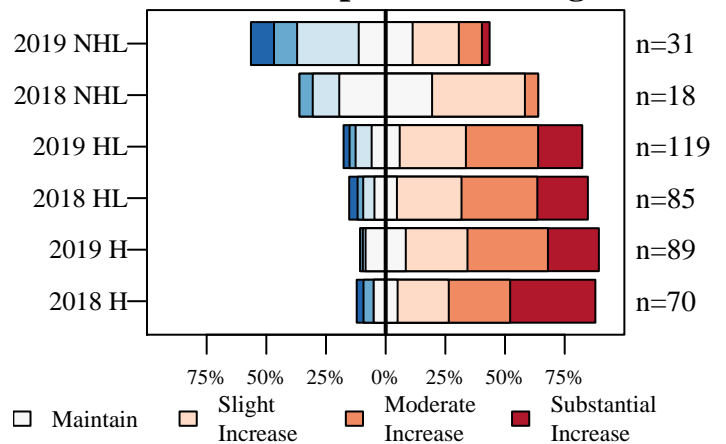


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Howard County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

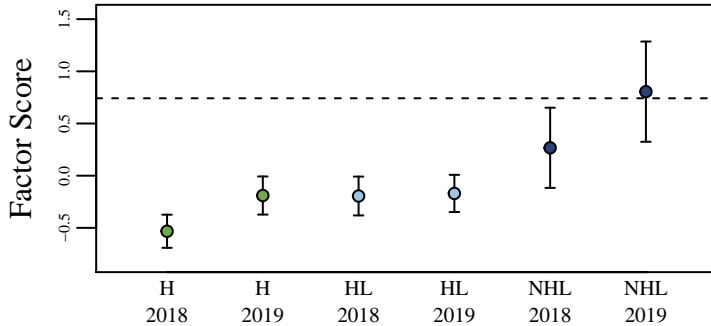


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

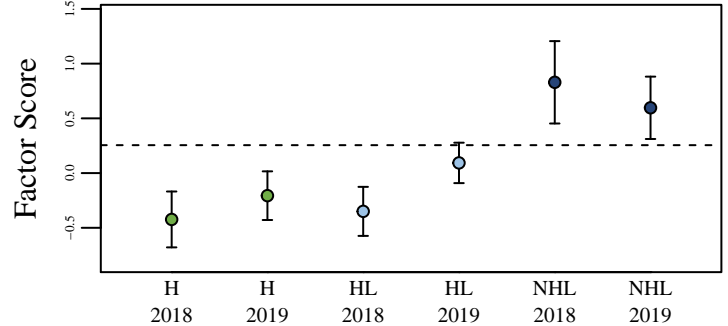


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

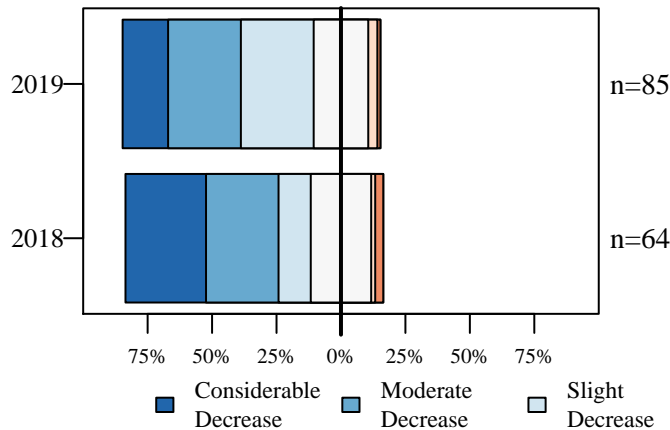


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

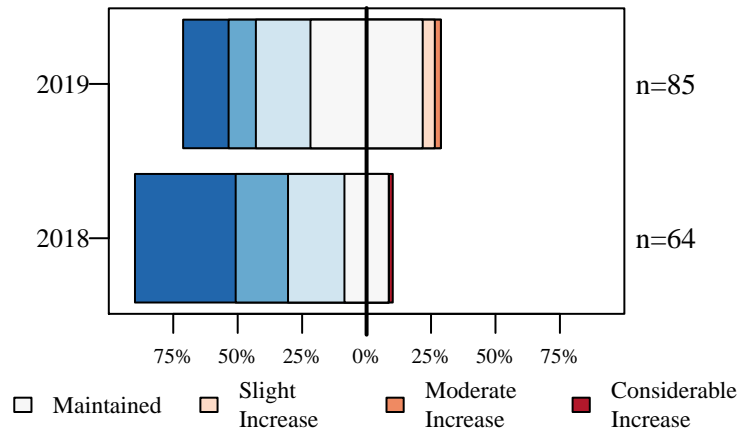


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

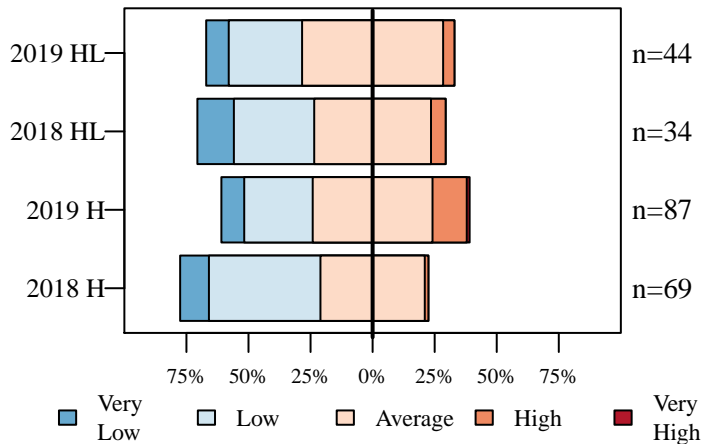


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

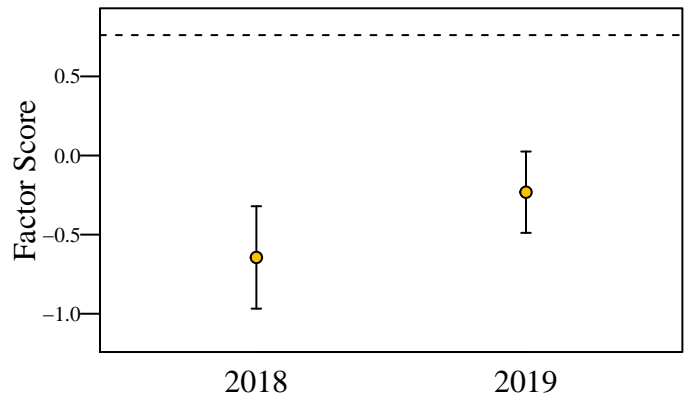


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Huntington County

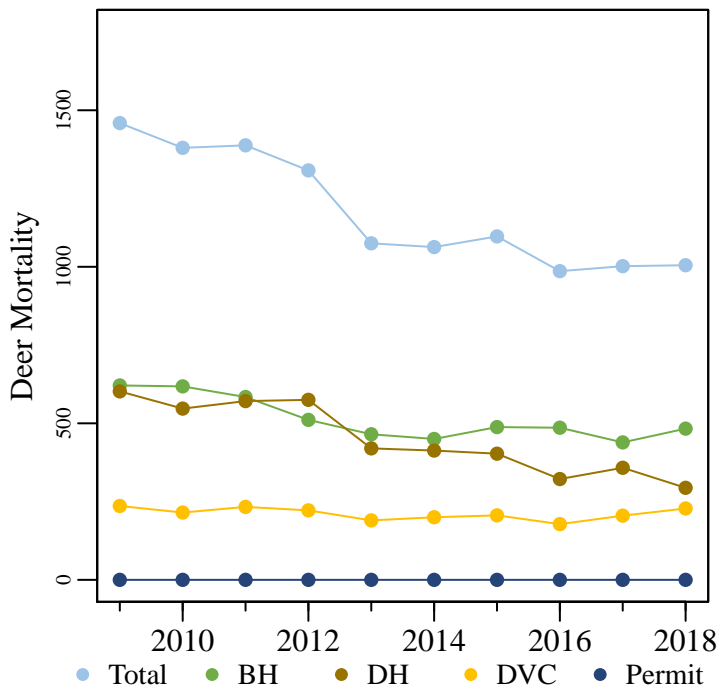
6/26/2019

Total Square Miles: 388  
 Square Miles of Deer Habitat: 58  
 Percent Deer Habitat: 15

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,116		593		10.22	523		9.02	46.86		241		3
2006	1,139		574		9.90	565		9.74	49.60		263		3
2007	1,198		615		10.60	583		10.05	48.66		270		3
2008	1,207		633		10.91	574		9.90	47.56		275		4
2009	1,223		621		10.71	602		10.38	49.22		236		4
2010	1,165	-0.25	618	0.46	10.66	547	-0.76	9.43	46.95		215	-2.40	4
2011	1,155	-0.93	584	-1.26	10.07	571	-0.16	9.84	49.44		233	-0.74	8
2012	1,086	-3.61	511	-5.67	8.81	575	-0.02	9.91	52.95		222	-0.93	8
2013	885	-5.28	465	-2.59	8.02	420	-7.88	7.24	47.46		190	-1.99	4
2014	863	-1.83	450	-1.59	7.76	413	-1.82	7.12	47.86		200	-1.04	3
2015	891	-0.95	488	-0.51	8.41	403	-1.25	6.95	45.23		206	-0.35	3
2016	808	-1.25	486	-0.26	8.38	322	-1.75	5.55	39.85	0	178	-1.87	3
2017	797	-1.04	439	-1.75	7.57	358	-0.75	6.17	44.92	0	205	0.01	2
2018	777	-1.64	483	0.80	8.33	294	-2.13	5.07	37.84	0	228	1.25	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

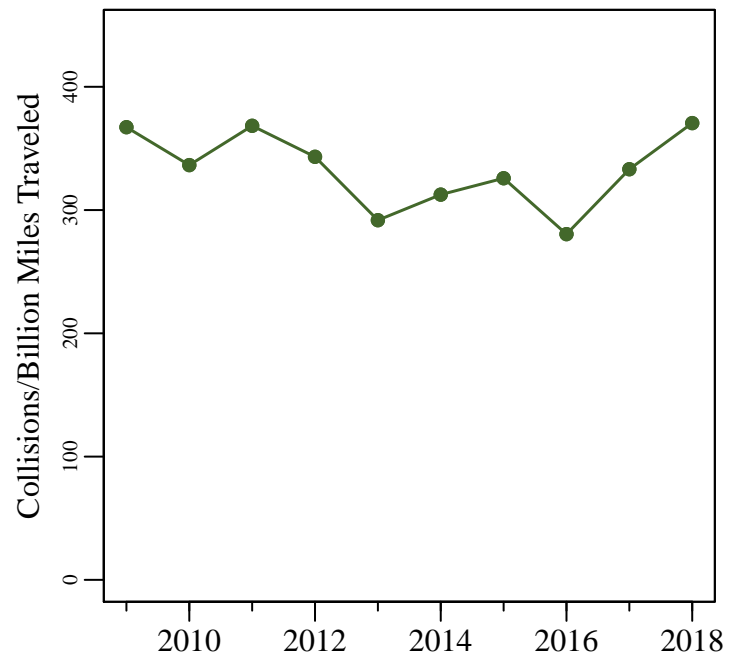


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Huntington County

6/26/2019

Total Square Miles: 388  
 Square Miles of Deer Habitat: 58  
 Percent Deer Habitat: 15

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	722	333	388	1	0	300	351	64	6	1	0	0	0	0	0	0
2016	678	275	402	1	0	336	286	50	6	0	0	0	0	0	0	0
2017	641	303	333	4	0	266	302	69	4	0	0	0	0	0	0	0
2018	658	251	405	2	0	342	267	47	1	1	0	0	0	0	0	0

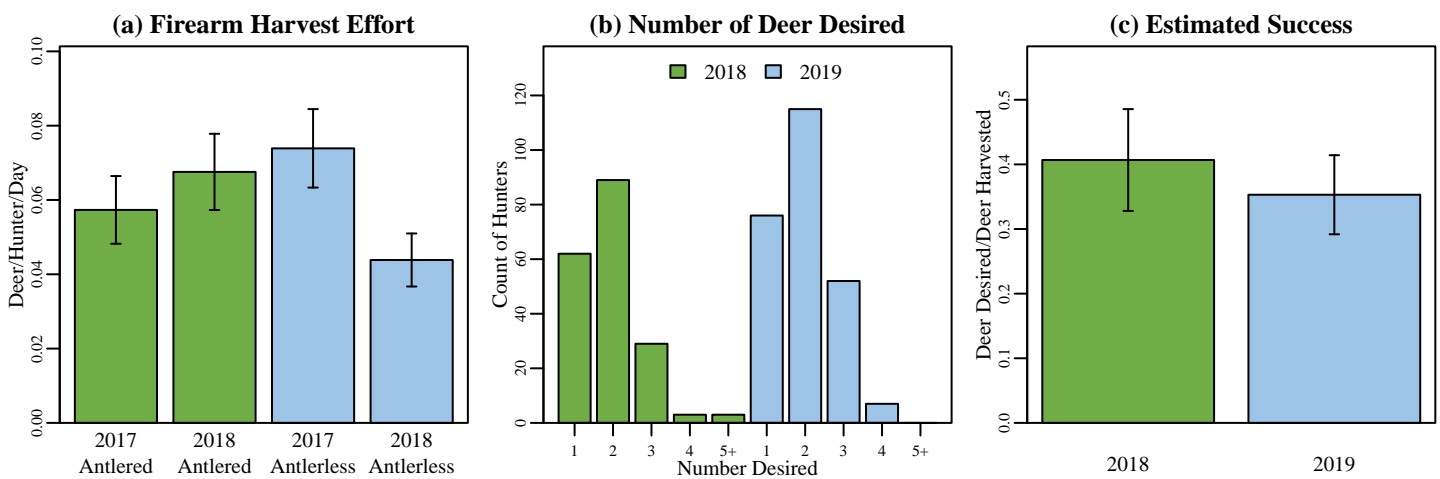
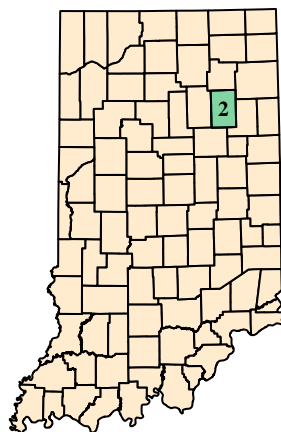


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Huntington County Map



## (b) Deer Habitat in Huntington County

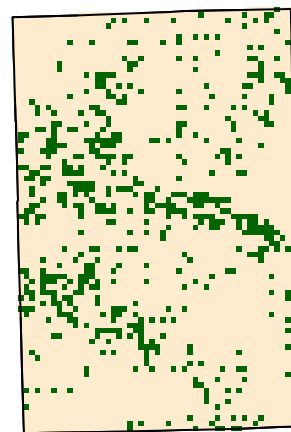


Figure 3. (a) Huntington County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Huntington County.

# Huntington County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

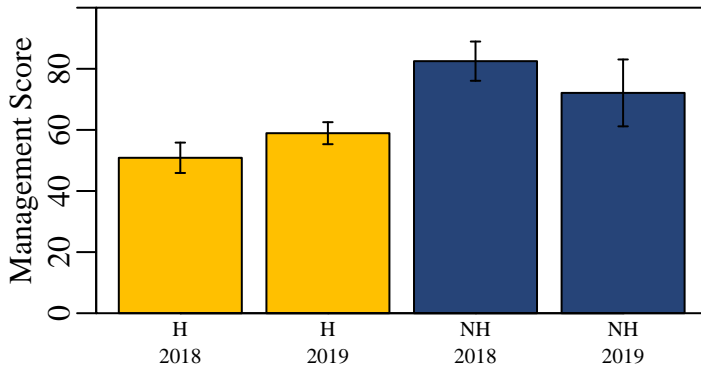


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

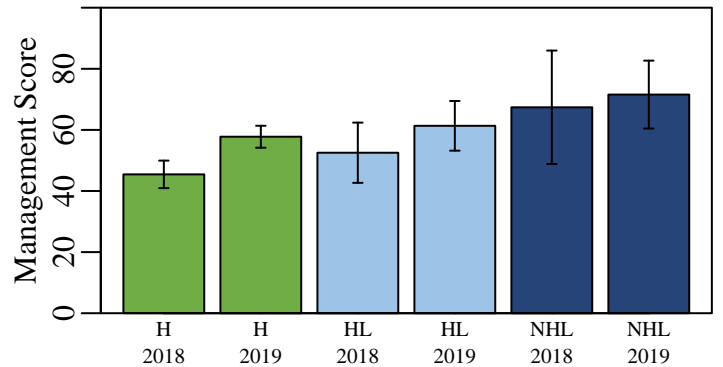


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

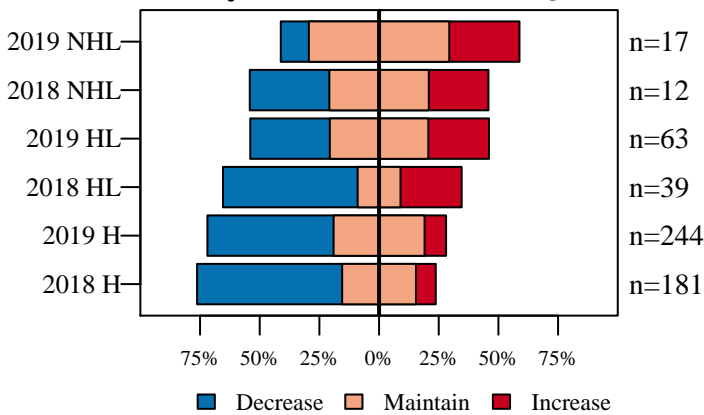


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

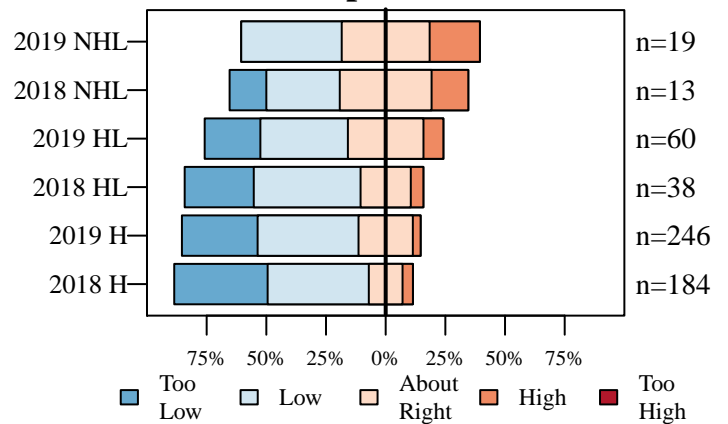


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

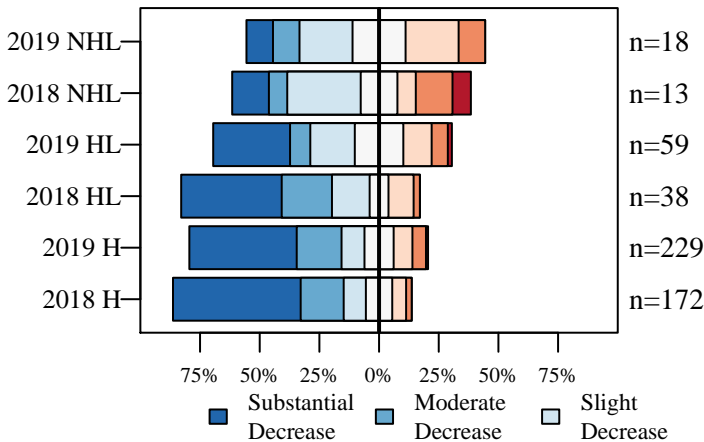


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

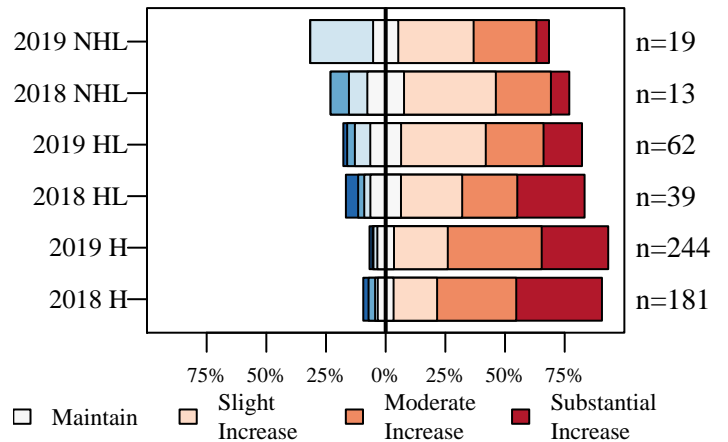


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Huntington County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

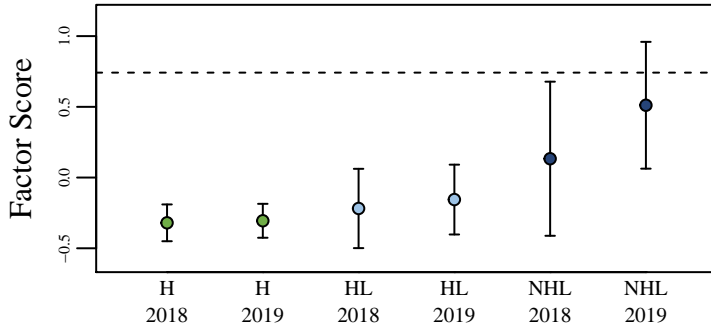


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

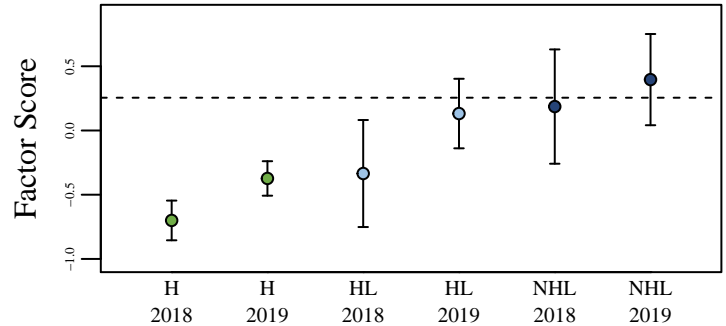


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

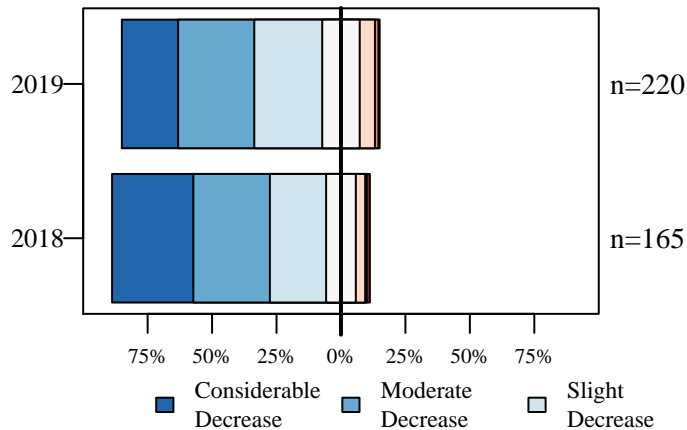


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

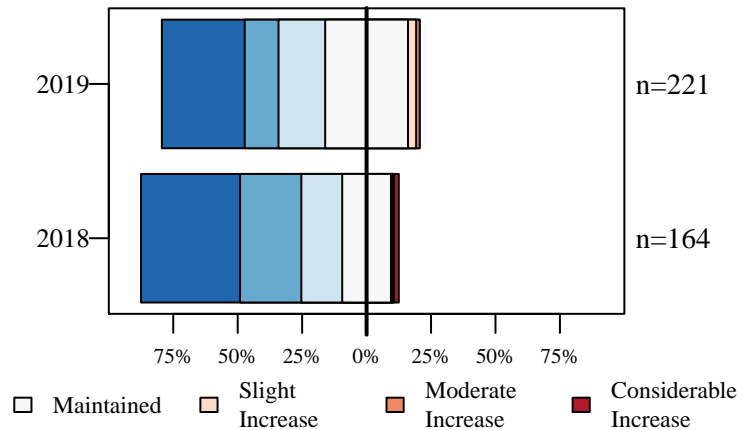


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

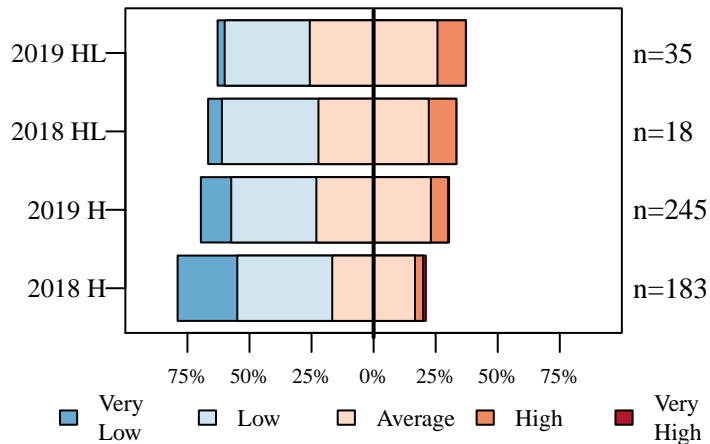


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

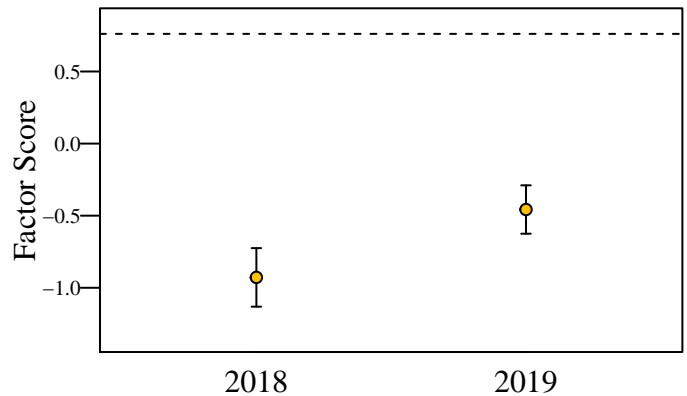


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Jackson County

6/26/2019

Total Square Miles: 513  
 Square Miles of Deer Habitat: 244  
 Percent Deer Habitat: 47

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,124		1,106		4.53	1,018		4.17	47.93		166		4
2006	2,003		1,006		4.12	997		4.09	49.78		196		4
2007	2,071		1,034		4.24	1,037		4.25	50.07		212		4
2008	1,957		1,004		4.11	953		3.91	48.70		200		4
2009	2,007		1,039		4.26	968		3.97	48.23		160		4
2010	1,862	-2.61	994	-1.06	4.07	868	-3.66	3.56	46.62		171	-0.70	4
2011	1,967	-0.17	1,004	-0.57	4.11	963	-0.03	3.95	48.96		172	-0.73	4
2012	2,154	2.37	995	-0.99	4.08	1,159	3.34	4.75	53.81		203	0.91	4
2013	2,264	2.58	1,114	5.80	4.57	1,150	1.57	4.71	50.80		238	2.97	4
2014	1,901	-0.94	955	-1.46	3.91	946	-0.59	3.88	49.76		252	1.99	8
2015	2,165	0.79	1,113	1.68	4.56	1,052	0.27	4.31	48.59		260	1.42	4
2016	1,763	-2.17	951	-1.17	3.90	812	-2.41	3.33	46.06	54	235	0.27	4
2017	1,784	-1.27	912	-1.38	3.74	872	-1.04	3.57	48.88	53	255	0.85	4
2018	1,490	-2.14	839	-1.76	3.44	651	-2.32	2.67	43.69	33	204	-0.83	4

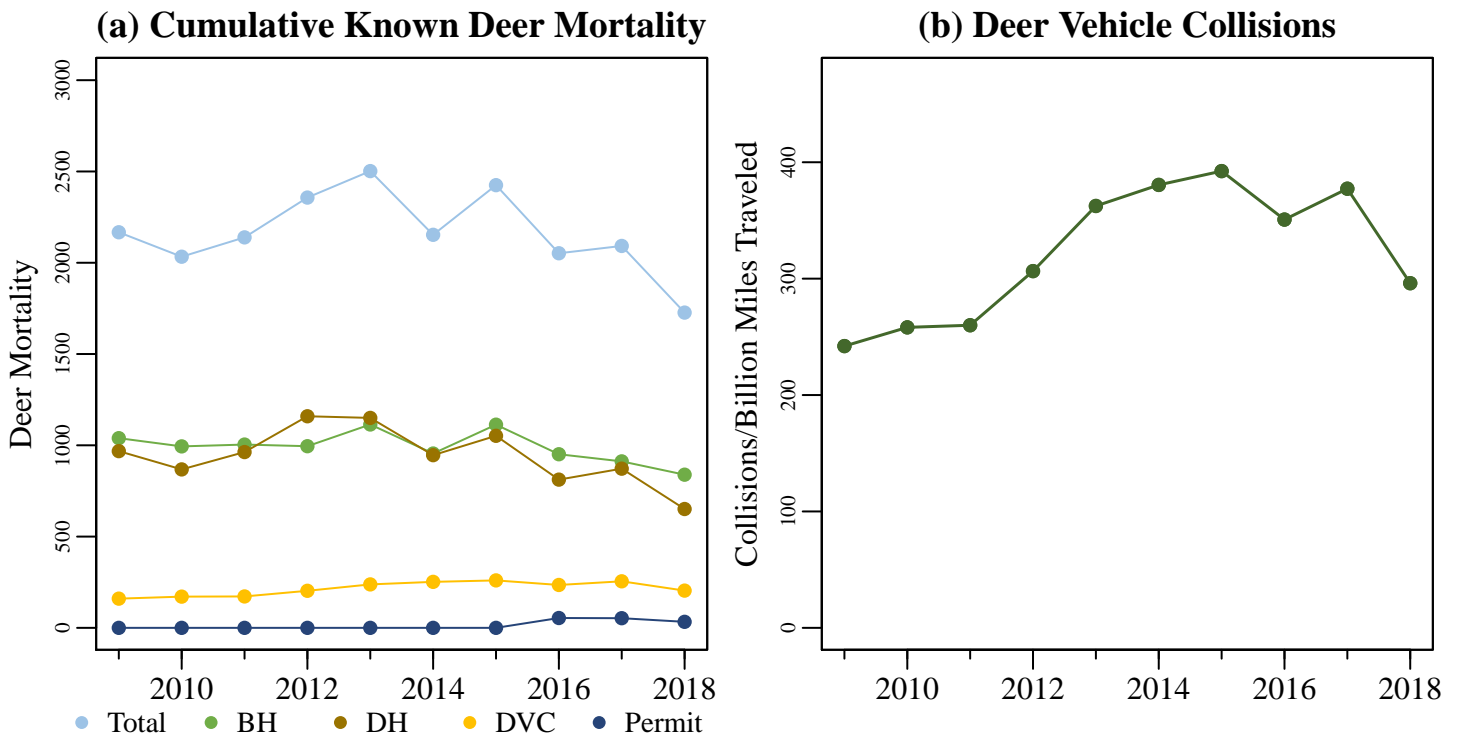


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Jackson County

6/26/2019

Total Square Miles: 513  
 Square Miles of Deer Habitat: 244  
 Percent Deer Habitat: 47

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,596	701	893	2	0	645	708	185	44	12	2	0	0	0	0	0
2016	1,339	603	734	2	0	554	593	154	28	10	0	0	0	0	0	0
2017	1,319	624	690	5	0	503	599	178	28	10	1	0	0	0	0	0
2018	1,175	530	642	3	0	505	525	122	19	4	0	0	0	0	0	0

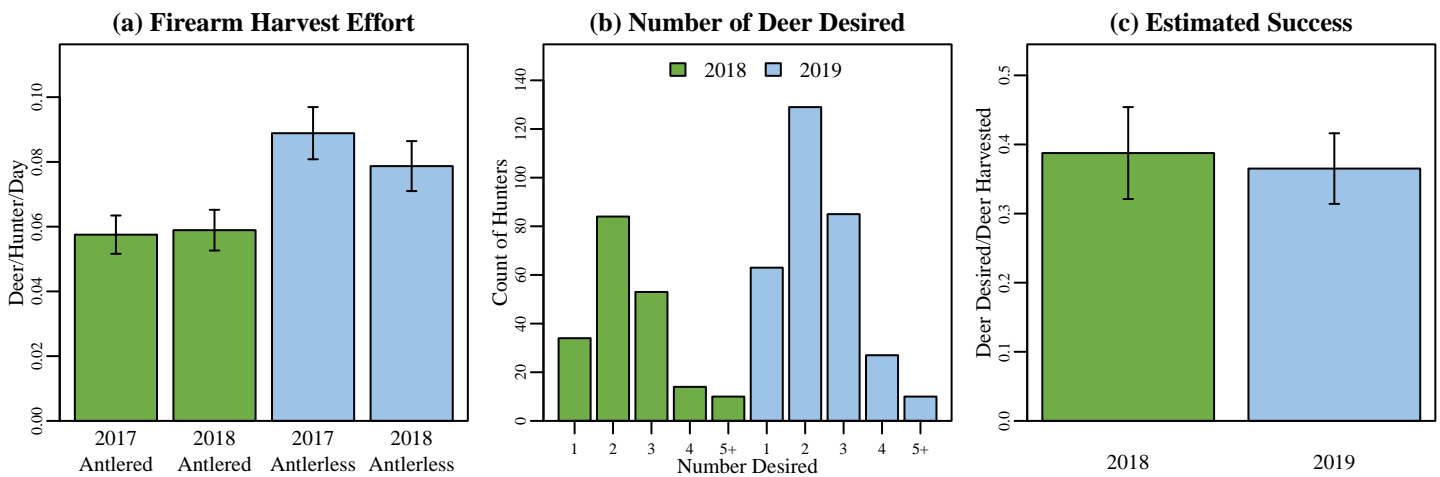
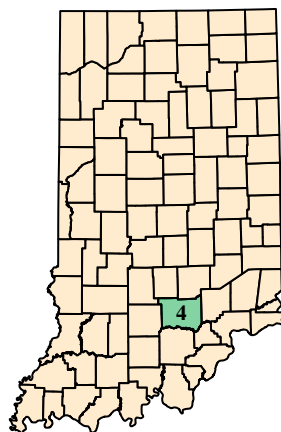


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Jackson County Map



## (b) Deer Habitat in Jackson County

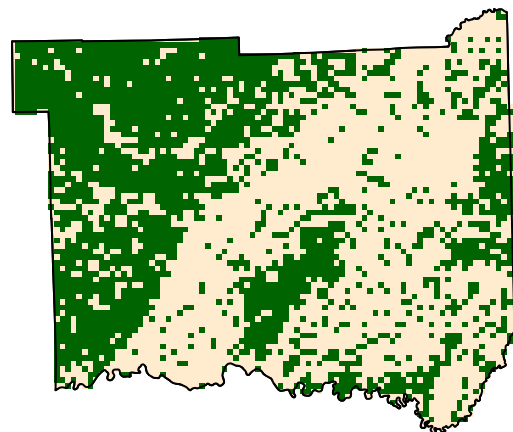


Figure 3. (a) Jackson County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Jackson County.

# Jackson County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

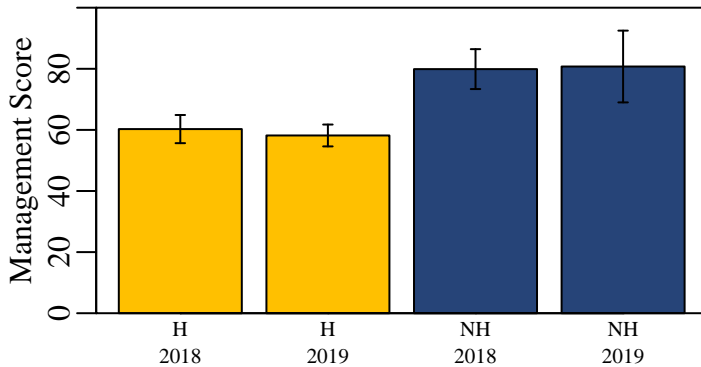


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

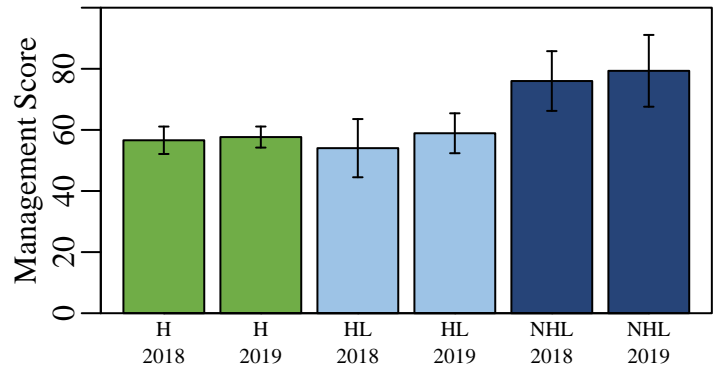


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

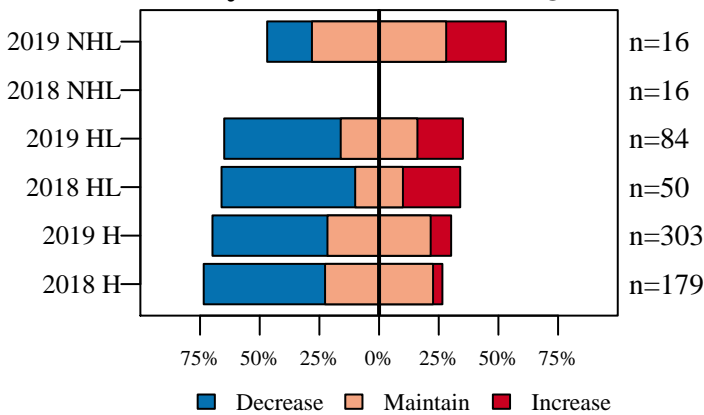


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

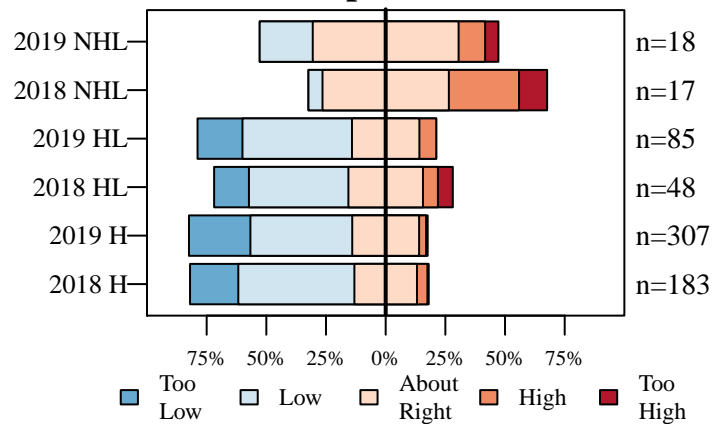


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

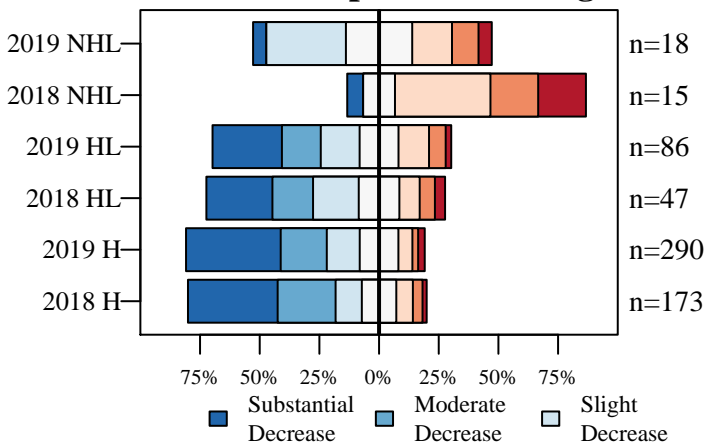


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

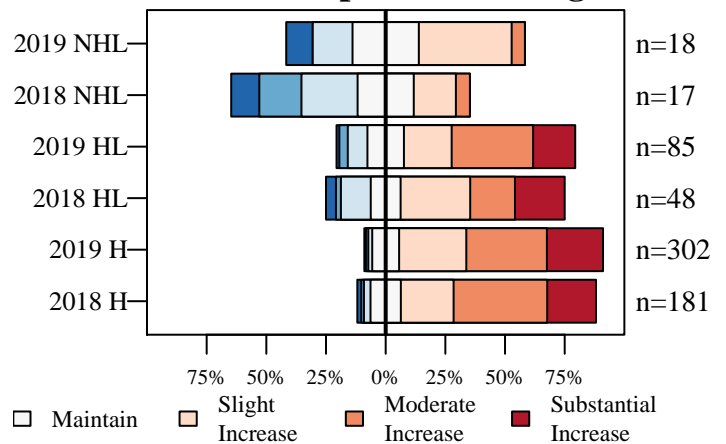


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Jackson County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

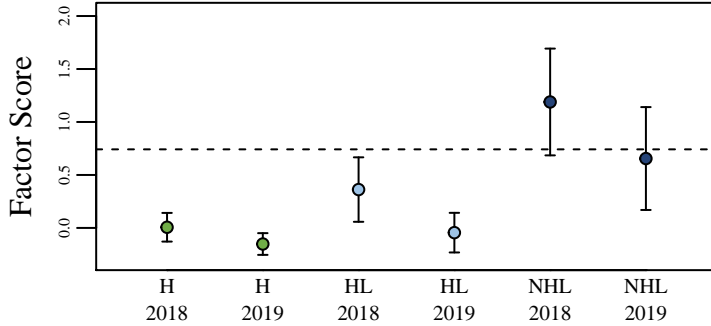


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

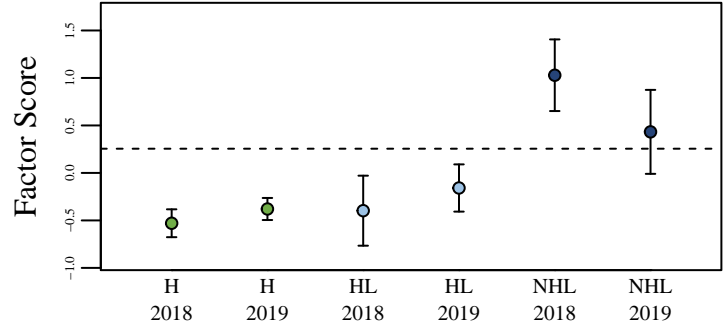


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

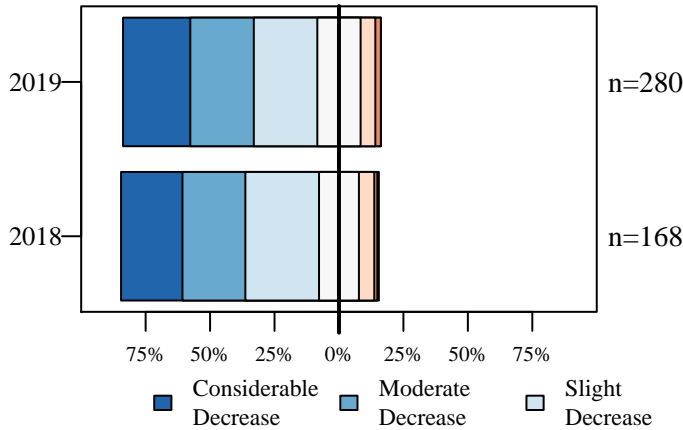


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

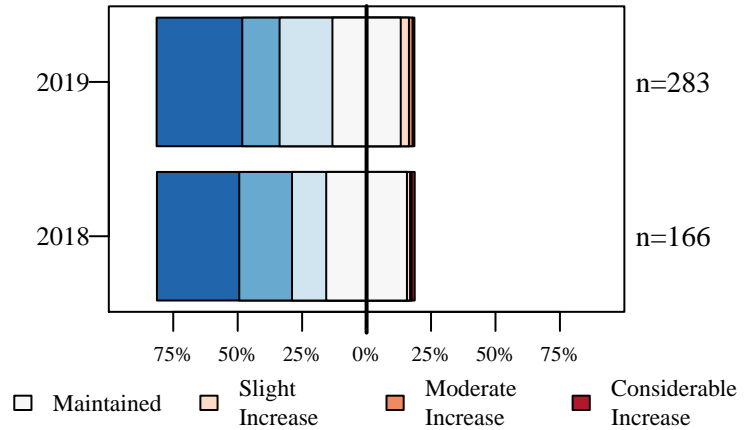


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

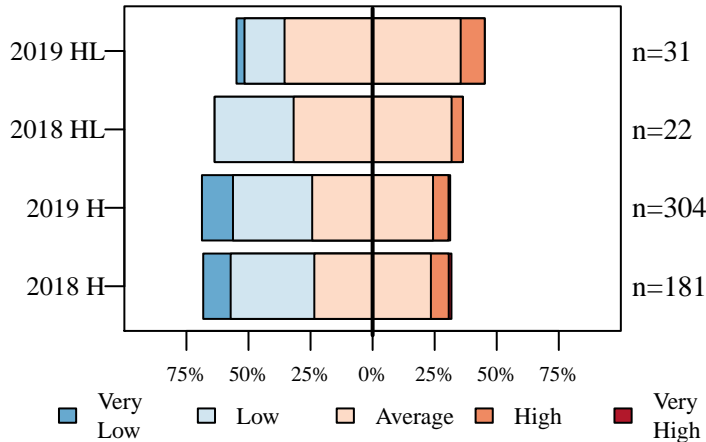


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

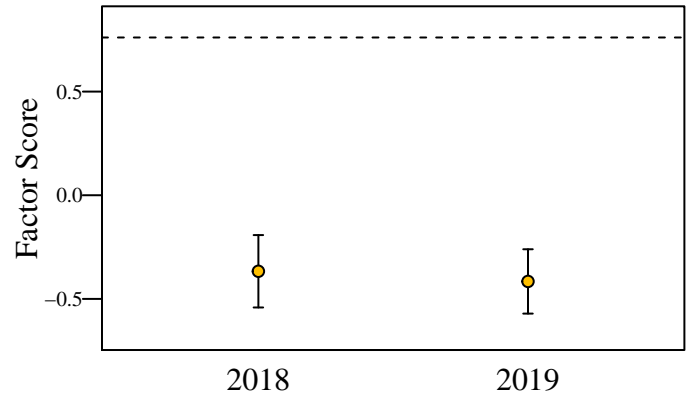


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Jasper County

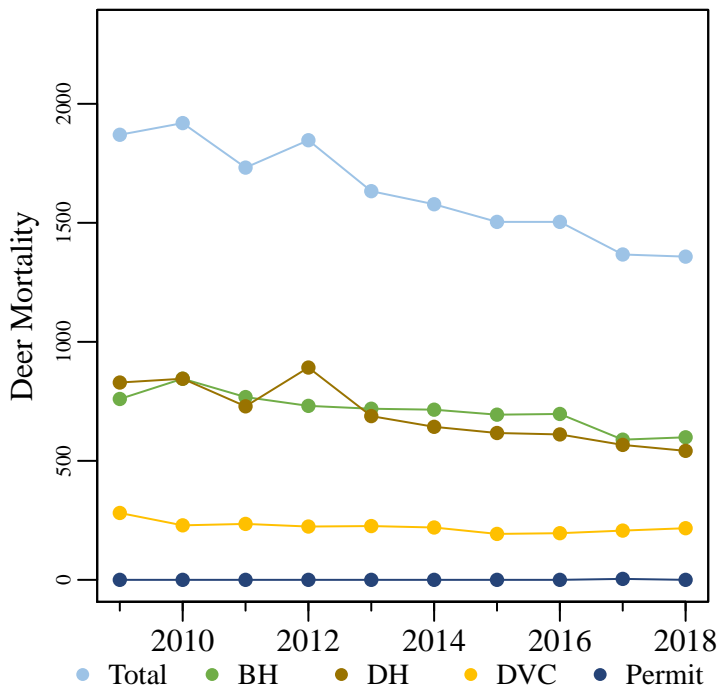
6/26/2019

Total Square Miles: 561  
 Square Miles of Deer Habitat: 82  
 Percent Deer Habitat: 15

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,271		721		8.79	550		6.71	43.27		231		2
2006	1,415		758		9.24	657		8.01	46.43		278		3
2007	1,454		714		8.71	740		9.02	50.89		235		4
2008	1,606		790		9.63	816		9.95	50.81		297		4
2009	1,589		760		9.27	829		10.11	52.17		281		8
2010	1,690	1.62	845	3.09	10.30	845	1.09	10.30	50.00		229	-1.20	8
2011	1,497	-0.47	768	-0.11	9.37	729	-0.62	8.89	48.70		235	-0.96	8
2012	1,623	0.60	731	-0.93	8.91	892	1.87	10.88	54.96		224	-1.00	8
2013	1,407	-2.79	719	-1.40	8.77	688	-2.26	8.39	48.90		226	-0.81	8
2014	1,358	-1.83	715	-1.01	8.72	643	-1.81	7.84	47.35		220	-0.80	8
2015	1,311	-1.45	694	-1.14	8.46	617	-1.35	7.52	47.06		193	-6.00	8
2016	1,308	-1.06	697	-1.04	8.50	611	-0.95	7.45	46.71	0	196	-1.49	8
2017	1,156	-1.88	589	-7.87	7.18	567	-1.05	6.91	49.05	4	207	-0.51	4
2018	1,141	-1.77	599	-1.56	7.30	542	-1.87	6.61	47.50	0	217	0.16	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

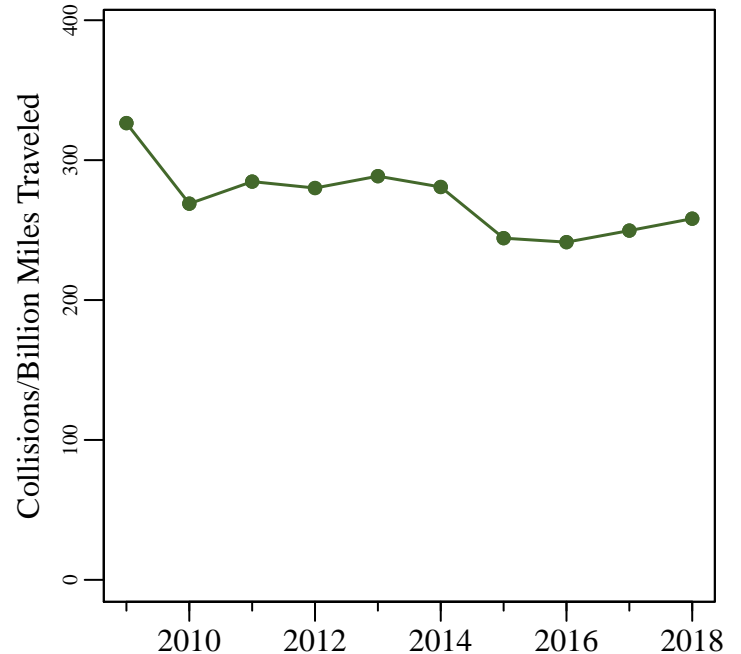


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Jasper County

6/26/2019

Total Square Miles: 561  
 Square Miles of Deer Habitat: 82  
 Percent Deer Habitat: 15

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	994	423	571	0	0	423	441	104	18	4	3	1	0	0	0	0
2016	976	447	526	3	0	401	433	106	21	8	6	1	0	0	0	0
2017	877	414	460	3	0	352	398	99	18	10	0	0	0	0	0	0
2018	893	388	505	0	0	384	399	95	13	2	0	0	0	0	0	0

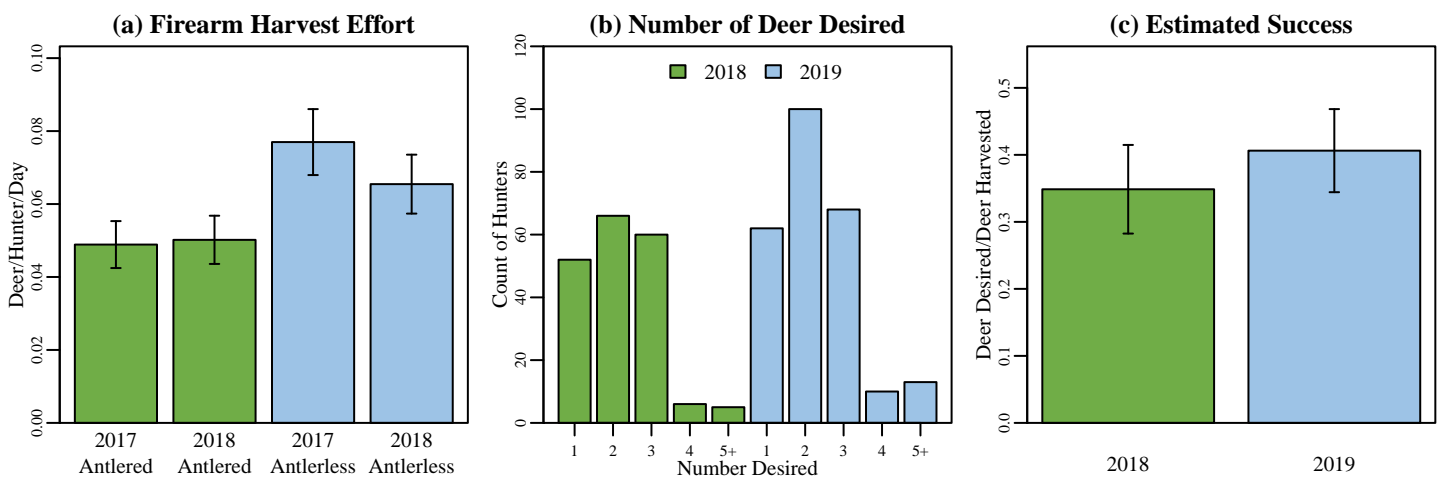
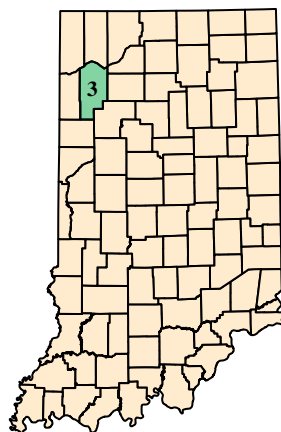


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Jasper County Map



## (b) Deer Habitat in Jasper County

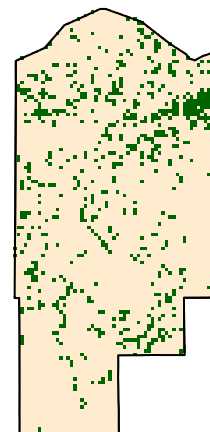


Figure 3. (a) Jasper County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Jasper County.

# Jasper County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

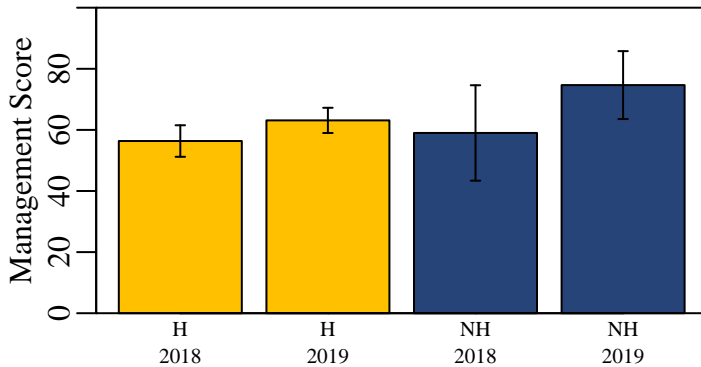


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

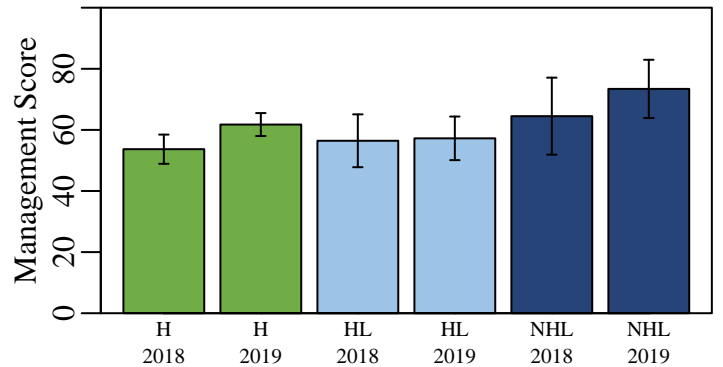


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

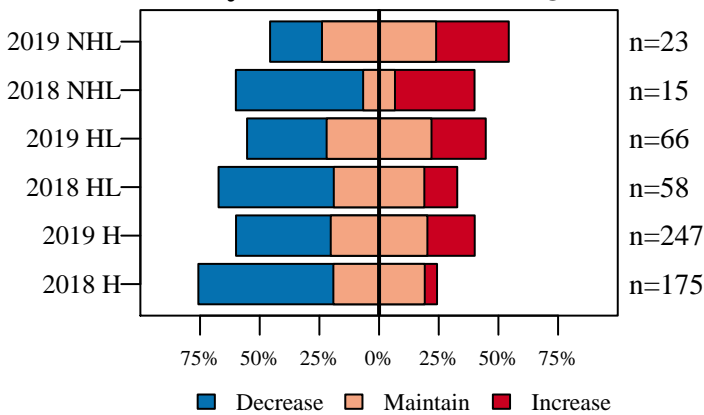


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

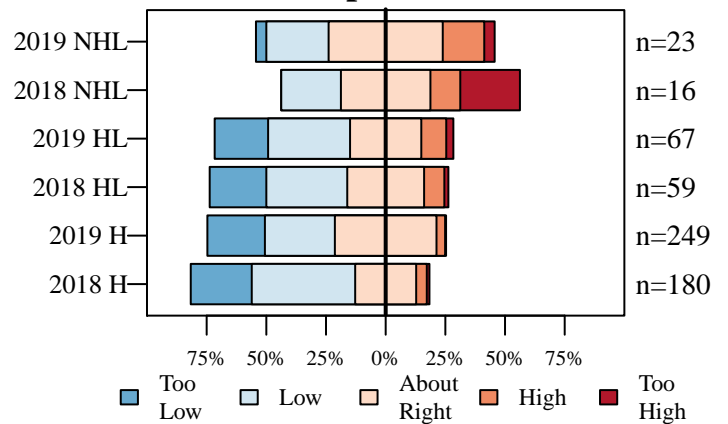


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

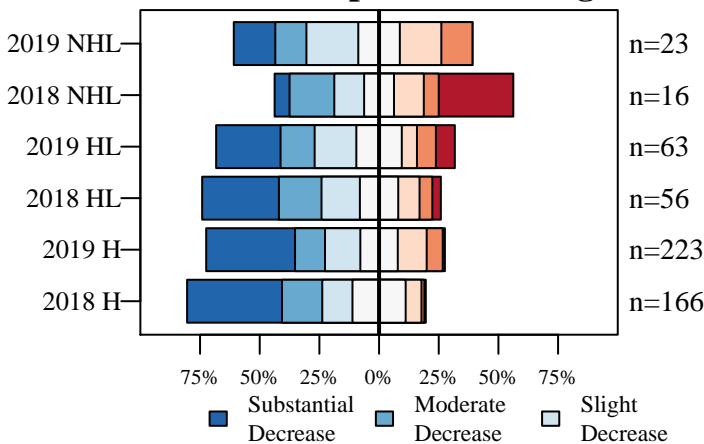


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

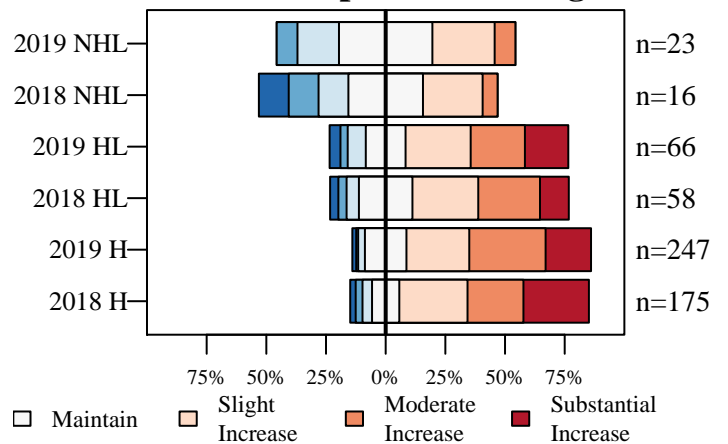


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Jasper County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

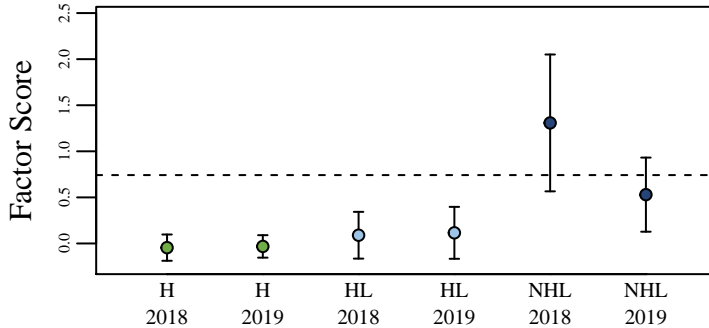


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

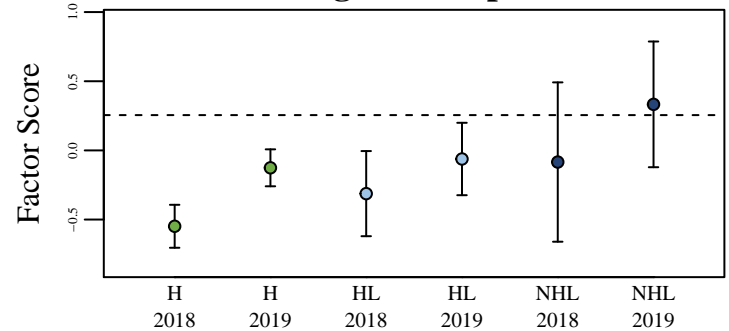


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

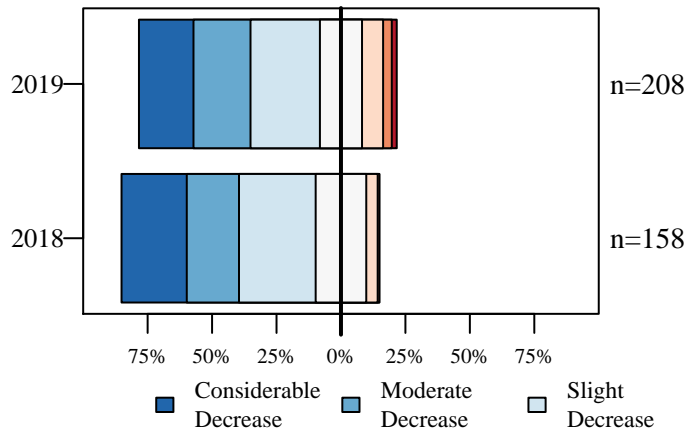


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

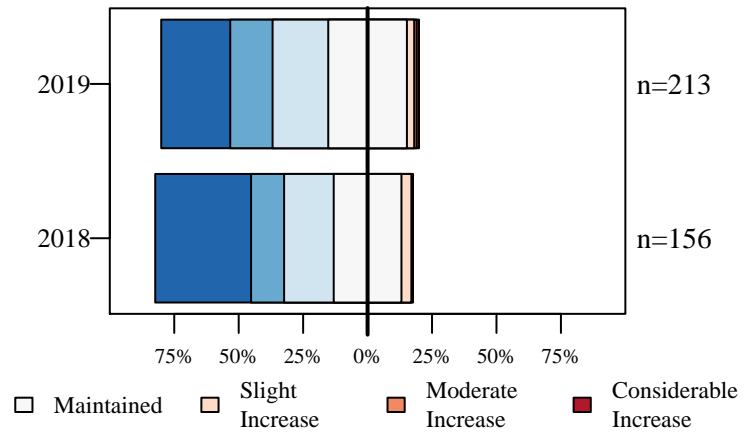


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

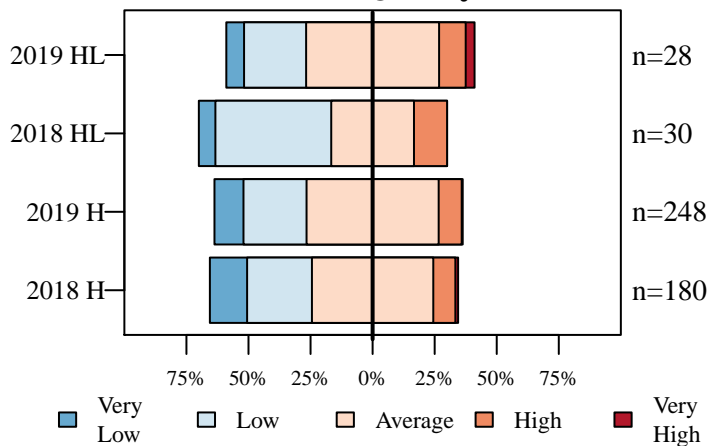


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

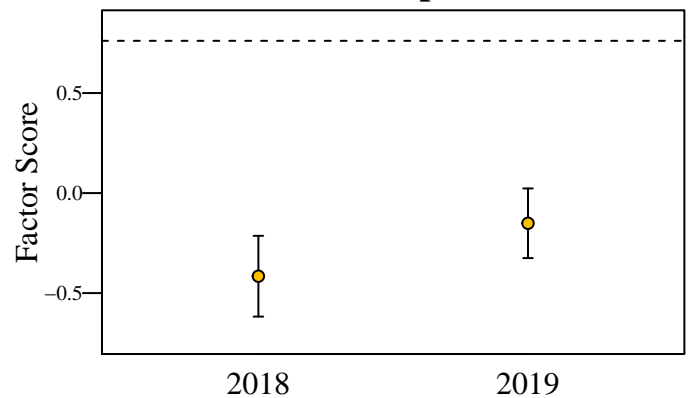


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Jay County

6/26/2019

Total Square Miles: 384  
 Square Miles of Deer Habitat: 48  
 Percent Deer Habitat: 13

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,064		496		10.33	568		11.83	53.38		132		2
2006	1,006		471		9.81	535		11.15	53.18		123		2
2007	957		433		9.02	524		10.92	54.75		125		2
2008	892		407		8.48	485		10.10	54.37		125		2
2009	1,007		498		10.38	509		10.60	50.55		139		2
2010	1,039	0.84	513	1.30	10.69	526	0.06	10.96	50.63		111	-2.68	2
2011	920	-1.05	436	-0.64	9.08	484	-1.62	10.08	52.61		132	0.74	2
2012	916	-0.78	413	-0.97	8.60	503	-0.13	10.48	54.91		125	-0.13	2
2013	891	-0.99	426	-0.56	8.88	465	-2.07	9.69	52.19		136	0.92	2
2014	942	-0.20	447	-0.23	9.31	495	-0.10	10.31	52.55		125	-0.32	2
2015	984	0.74	511	1.64	10.65	473	-0.96	9.85	48.07		119	-0.71	2
2016	960	0.84	489	1.11	10.19	471	-0.84	9.81	49.06	0	145	2.64	2
2017	856	-2.27	437	-0.49	9.10	419	-3.76	8.73	48.95	0	128	-0.25	1
2018	864	-1.20	462	0.00	9.62	402	-2.24	8.38	46.53	0	132	0.23	1

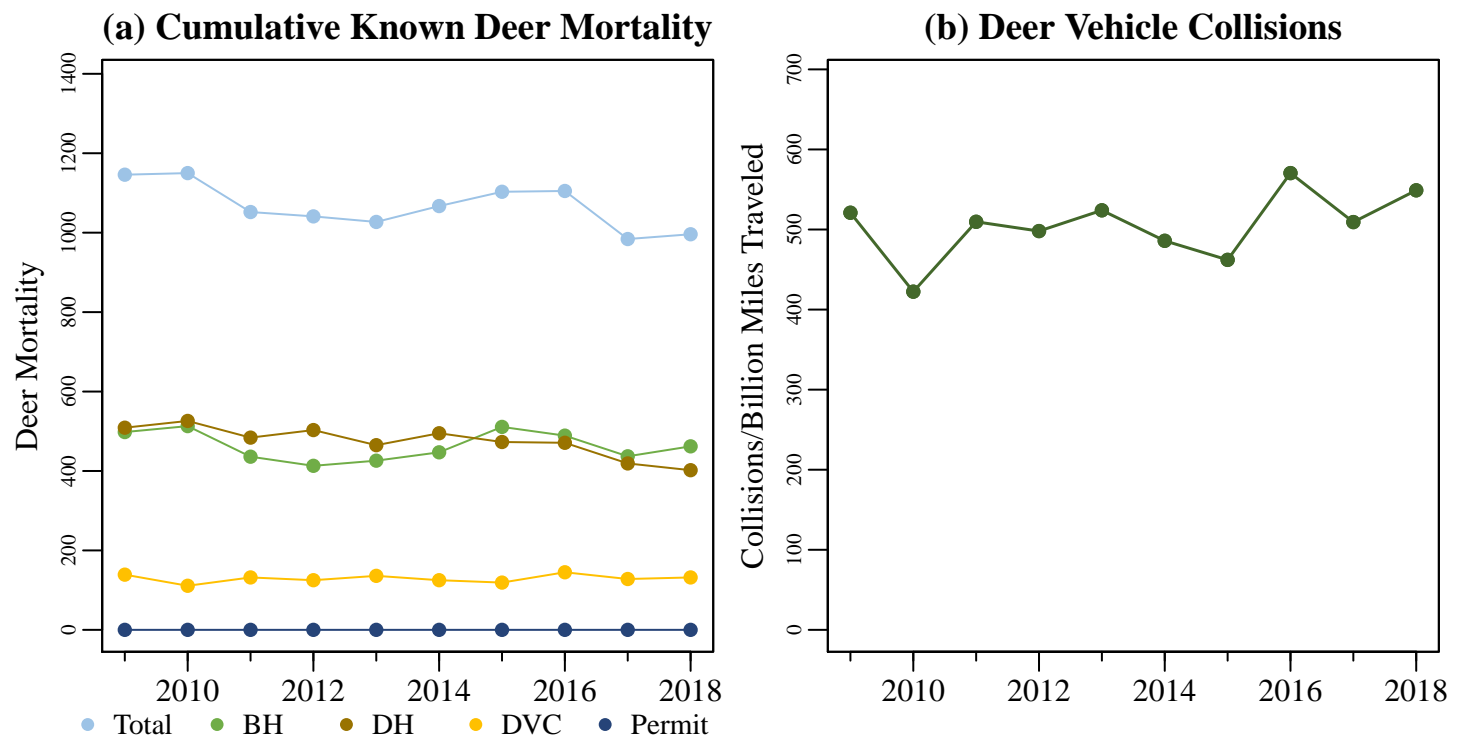


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Jay County

6/26/2019

Total Square Miles: 384  
 Square Miles of Deer Habitat: 48  
 Percent Deer Habitat: 13

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	767	404	360	3	0	254	420	82	10	1	0	0	0	0	0	0
2016	761	405	356	0	0	269	389	95	7	1	0	0	0	0	0	0
2017	702	370	327	4	1	246	401	48	7	0	0	0	0	0	0	0
2018	716	363	352	1	0	262	405	42	7	0	0	0	0	0	0	0

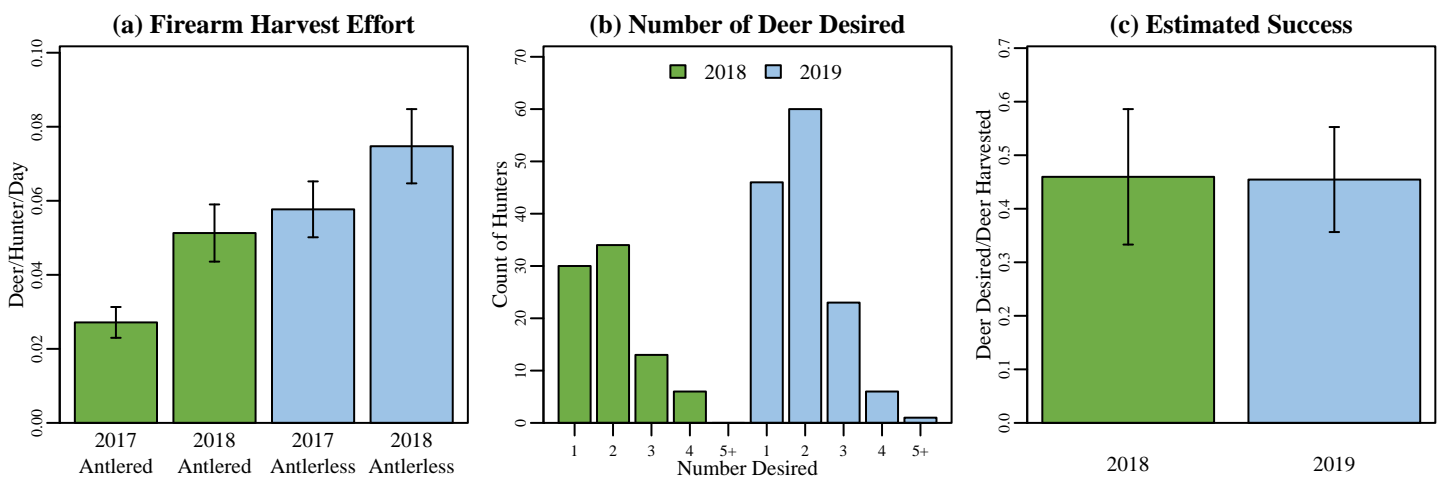
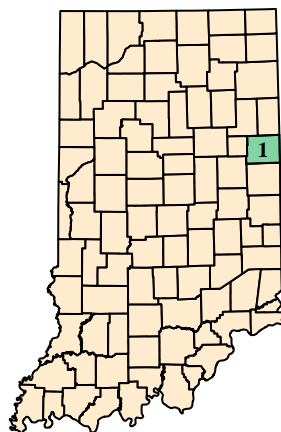


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

(a) Jay County Map



(b) Deer Habitat in Jay County

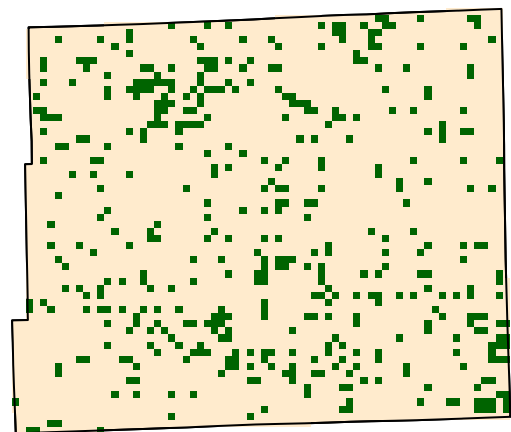


Figure 3. (a) Jay County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Jay County.

# Jay County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

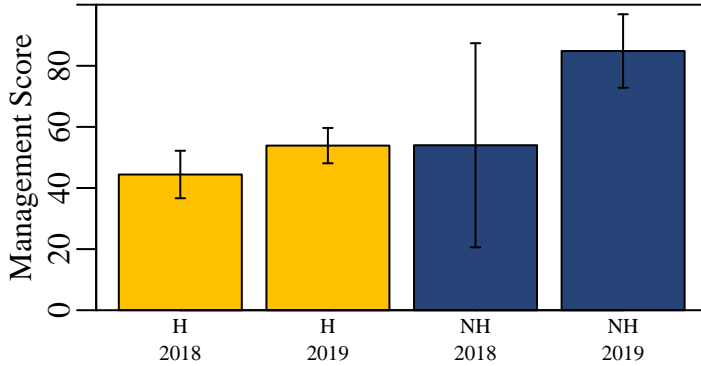


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

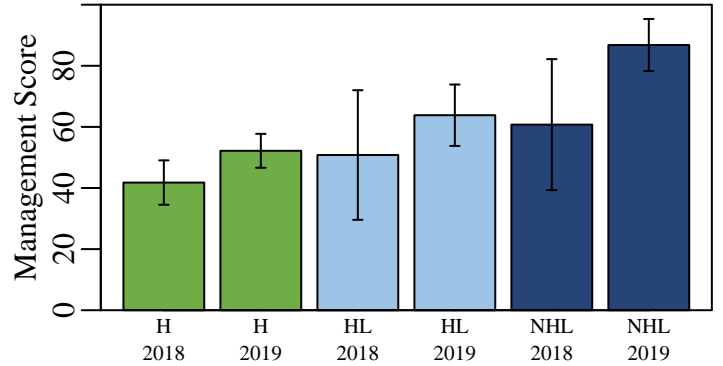


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

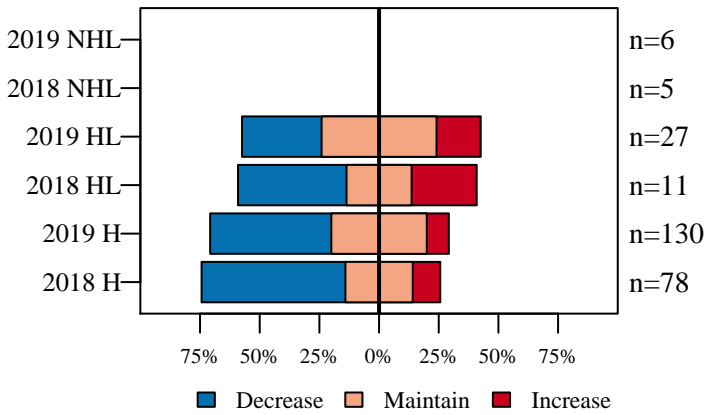


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

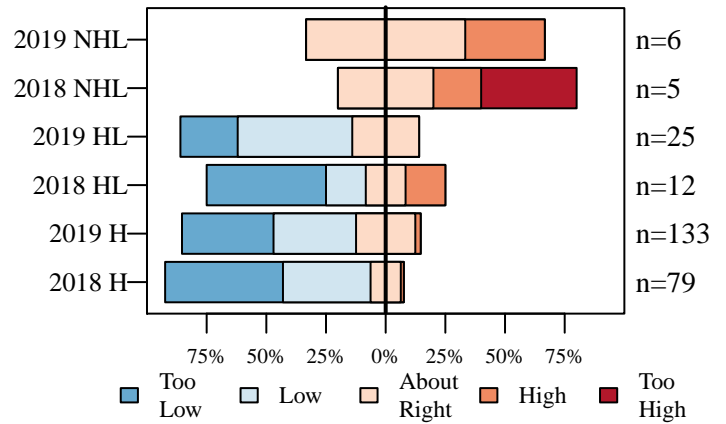


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

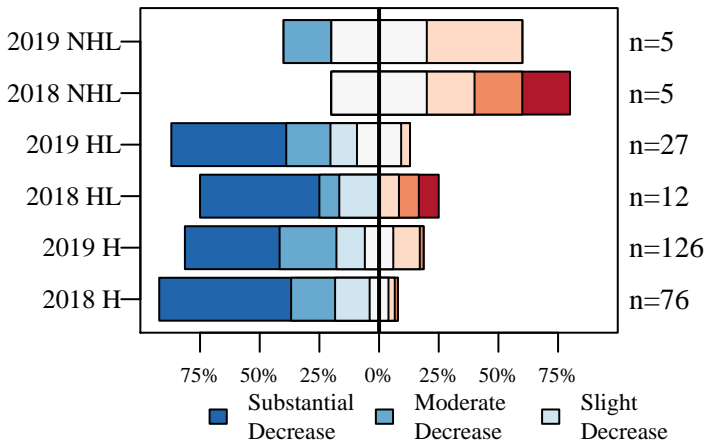


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

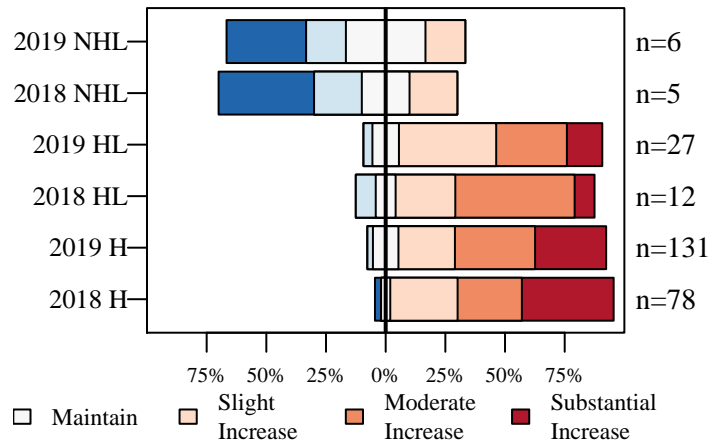


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Jay County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

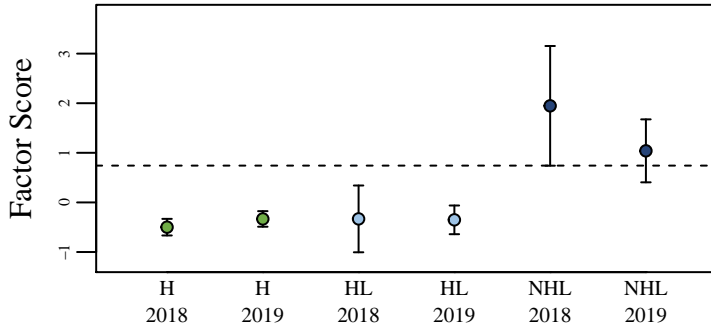


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

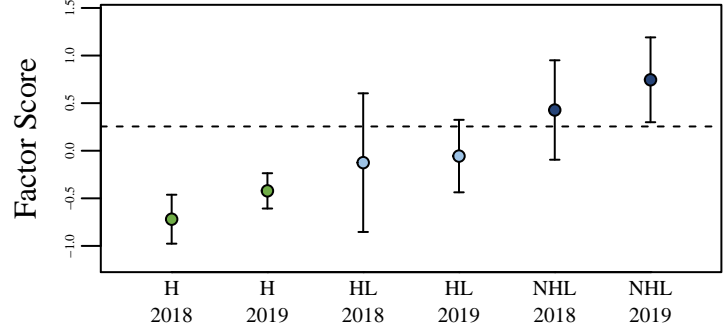


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

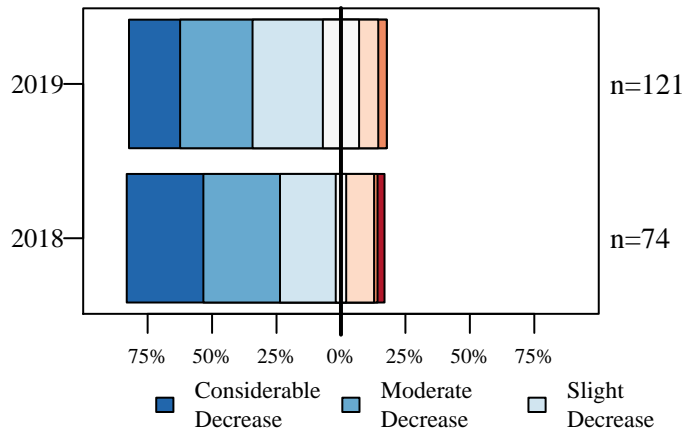


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

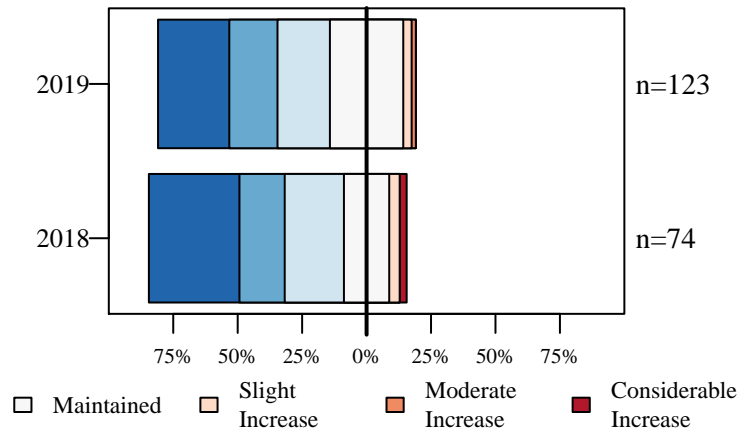


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

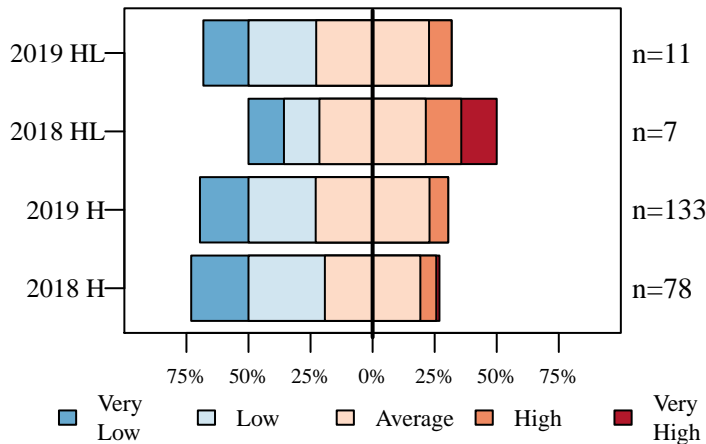


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

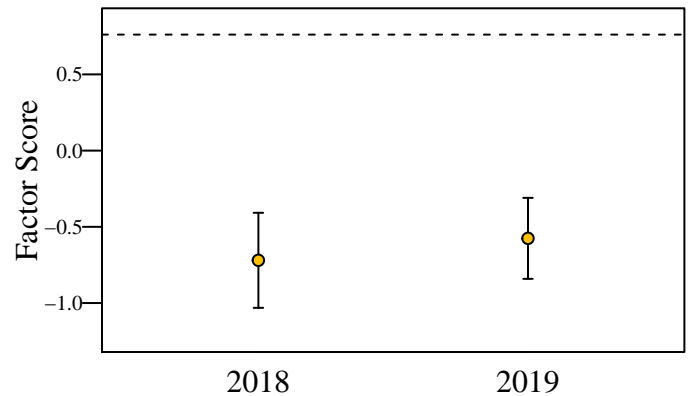


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Jefferson County

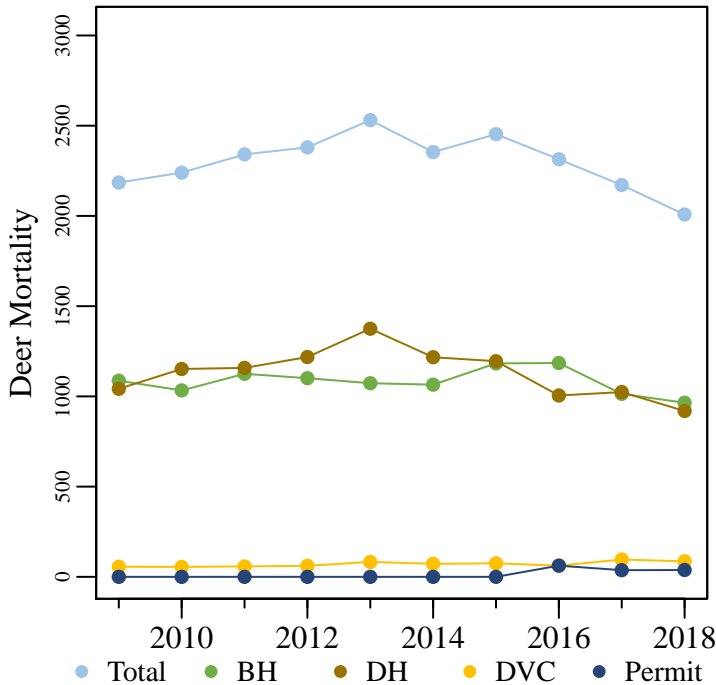
6/26/2019

Total Square Miles: 363  
 Square Miles of Deer Habitat: 266  
 Percent Deer Habitat: 73

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,336		1,153		4.33	1,183		4.45	50.64		37		8
2006	2,153		1,058		3.98	1,095		4.12	50.86		38		8
2007	1,992		962		3.62	1,030		3.87	51.71		50		8
2008	2,173		1,024		3.85	1,149		4.32	52.88		49		8
2009	2,129		1,087		4.09	1,042		3.92	48.94		56		8
2010	2,185	0.23	1,033	-0.33	3.88	1,152	0.79	4.33	52.72		55	1.10	8
2011	2,283	2.01	1,125	1.98	4.23	1,158	1.12	4.35	50.72		58	1.17	8
2012	2,319	1.57	1,101	0.88	4.14	1,218	1.74	4.58	52.52		61	1.89	8
2013	2,448	2.89	1,073	-0.02	4.03	1,375	3.64	5.17	56.17		83	6.13	8
2014	2,282	0.07	1,065	-0.55	4.00	1,217	0.23	4.58	53.33		72	0.81	8
2015	2,378	0.79	1,183	2.95	4.45	1,195	-0.32	4.49	50.25		75	0.80	8
2016	2,190	-2.14	1,185	1.59	4.45	1,005	-2.73	3.78	45.89	62	62	-0.76	8
2017	2,038	-2.93	1,014	-1.83	3.81	1,024	-1.35	3.85	50.25	37	96	2.83	8
2018	1,884	-2.38	965	-1.82	3.63	919	-1.60	3.45	48.78	38	86	0.99	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

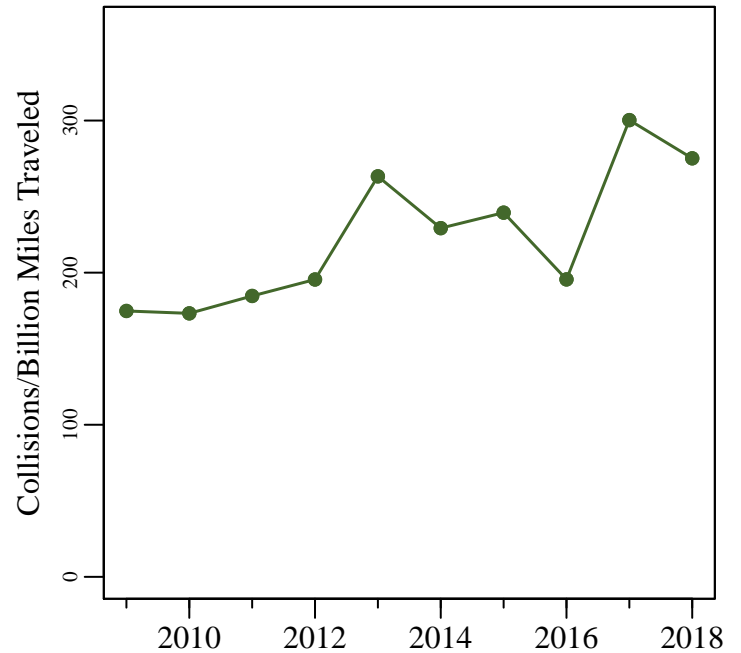


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Jefferson County

6/26/2019

Total Square Miles: 363  
 Square Miles of Deer Habitat: 266  
 Percent Deer Habitat: 73

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,677	734	936	7	0	688	688	211	54	25	10	1	0	0	0	0
2016	1,599	639	955	5	0	713	660	157	39	20	7	2	1	0	0	0
2017	1,453	644	795	13	1	588	631	166	42	14	6	4	1	1	0	0
2018	1,406	641	755	10	0	561	633	168	37	6	1	0	0	0	0	0

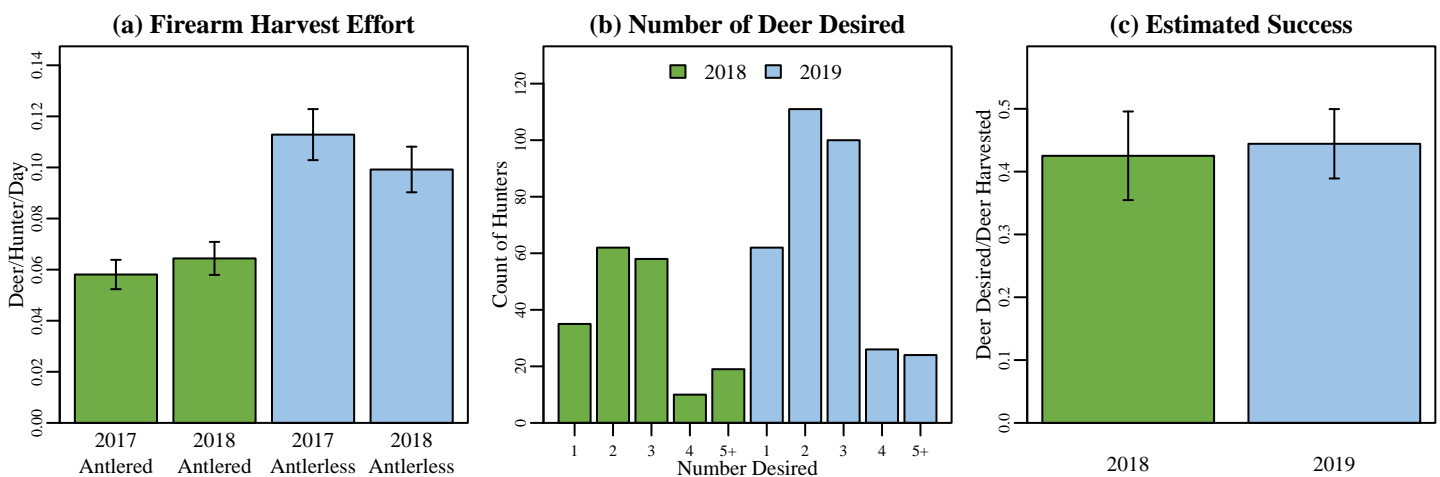
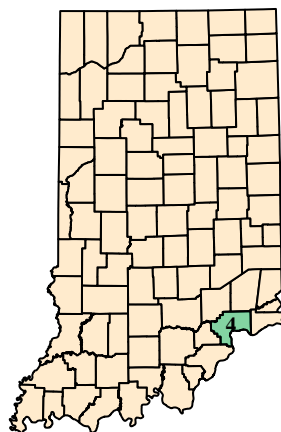


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Jefferson County Map



## (b) Deer Habitat in Jefferson County

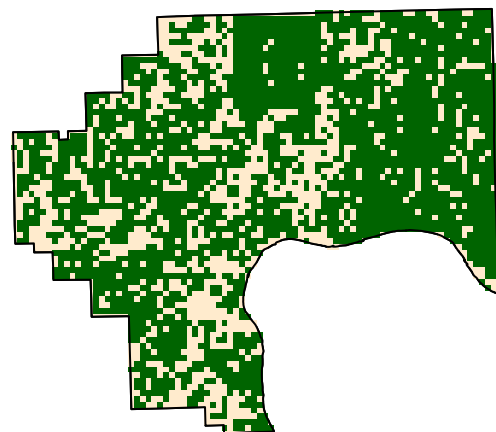


Figure 3. (a) Jefferson County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Jefferson County.

# Jefferson County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

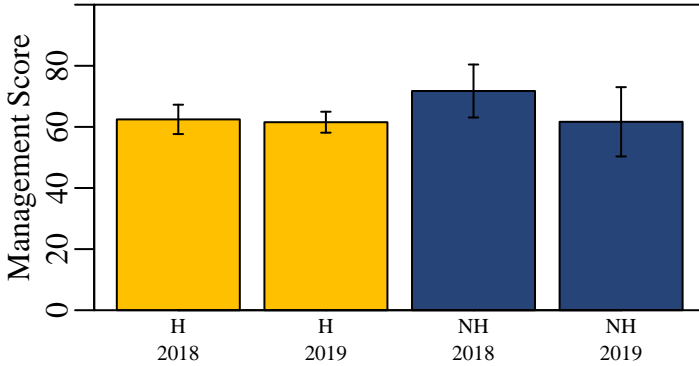


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

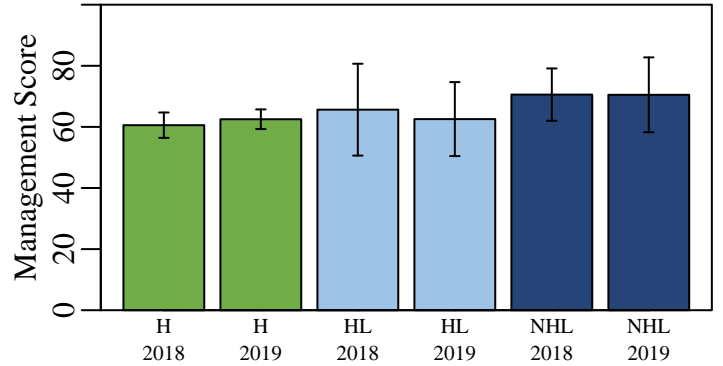


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

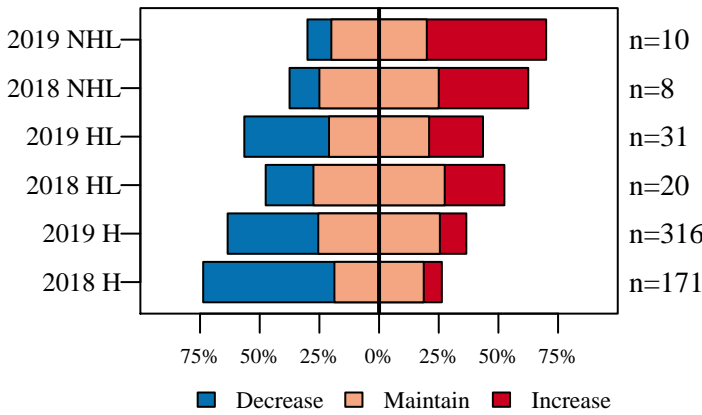


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

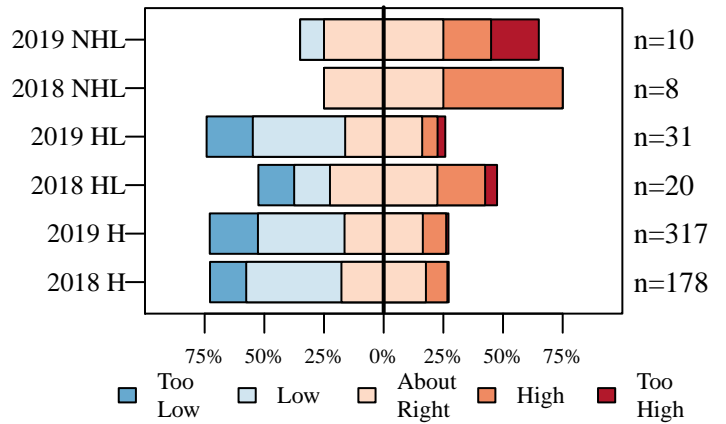


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

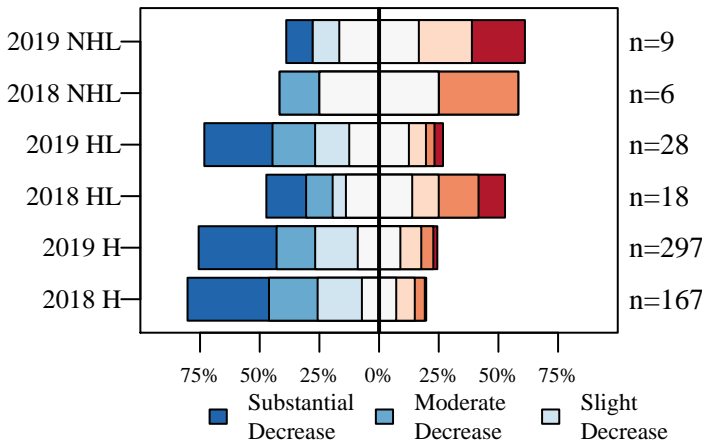


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

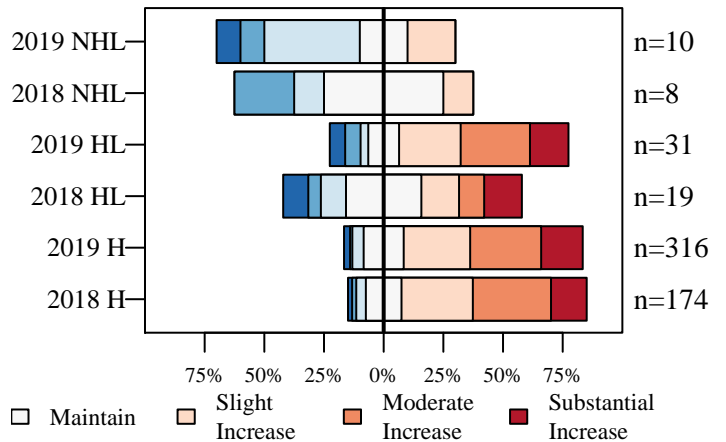


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Jefferson County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

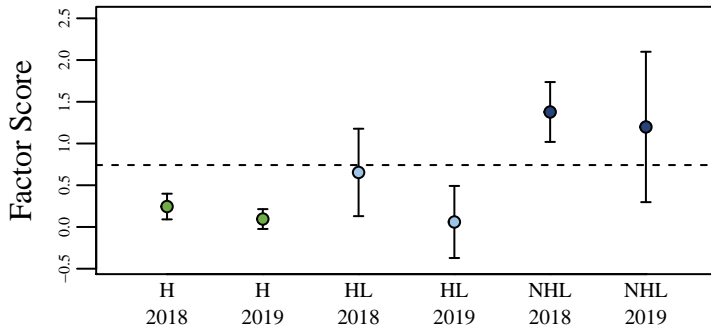


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

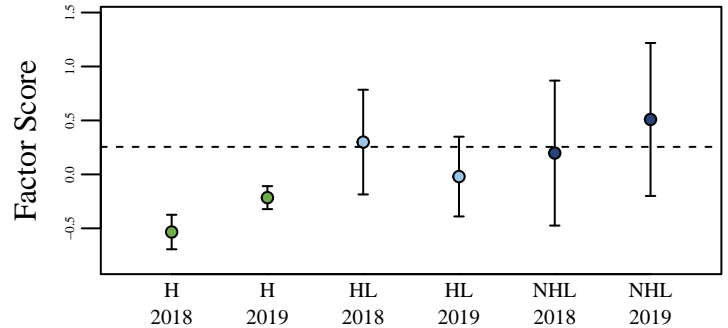


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

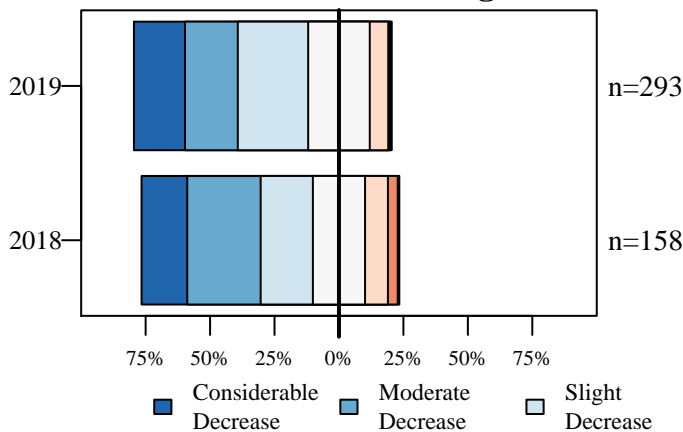


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

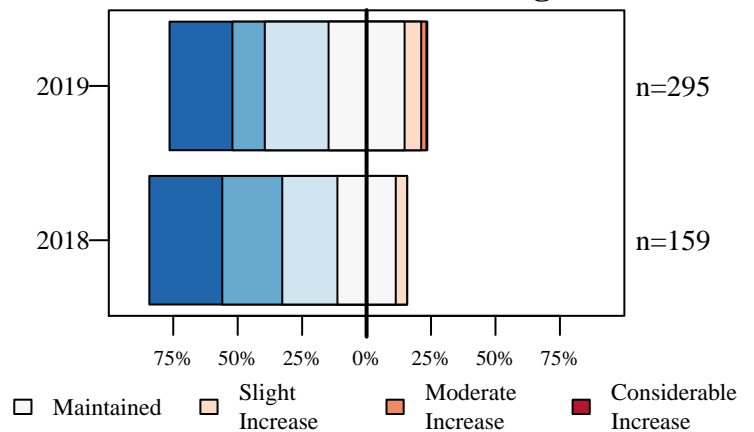


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

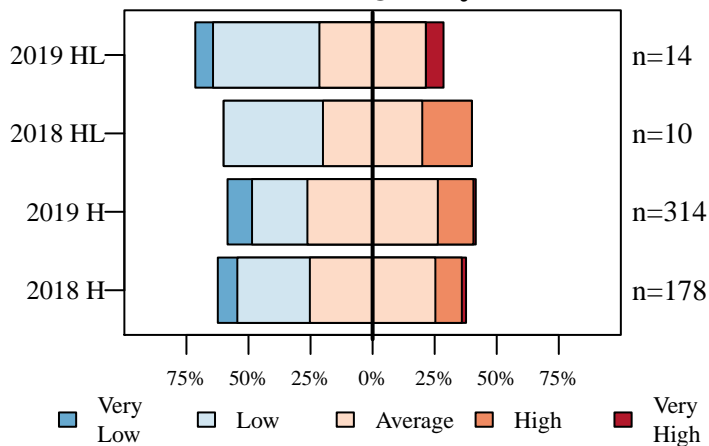


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

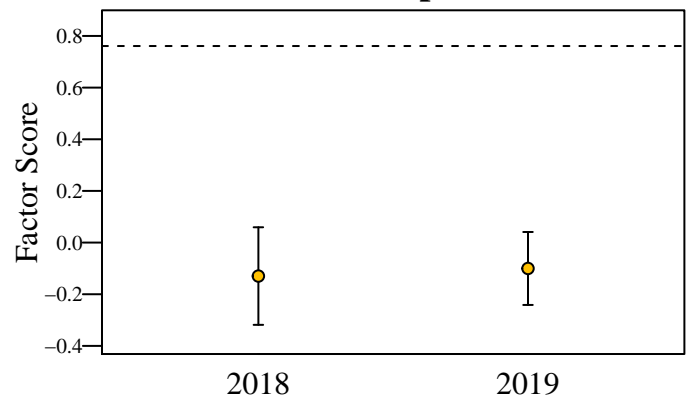


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Jennings County

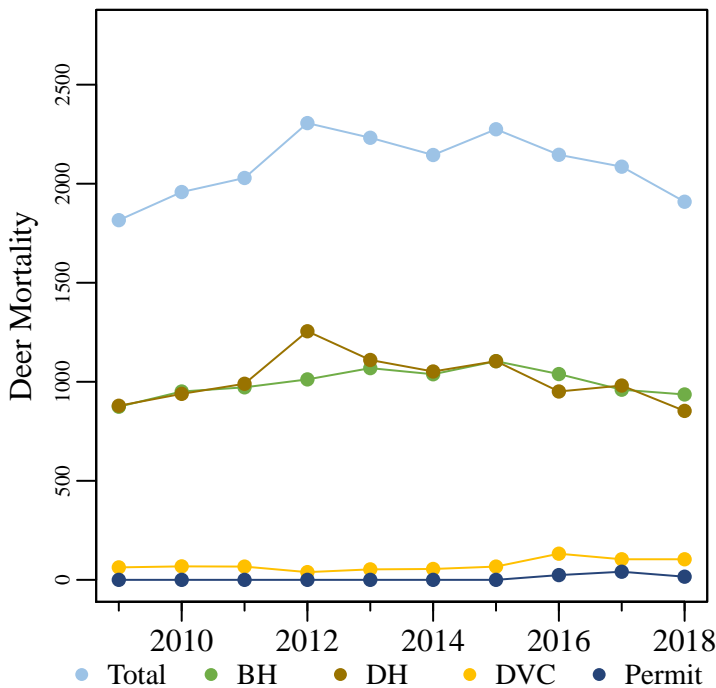
6/26/2019

Total Square Miles: 378  
 Square Miles of Deer Habitat: 214  
 Percent Deer Habitat: 56

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,539		806		3.77	733		3.43	47.63		100		3
2006	1,640		822		3.84	818		3.82	49.88		71		3
2007	1,126		598		2.79	528		2.47	46.89		59		3
2008	1,845		967		4.52	878		4.10	47.59		66		4
2009	1,753		874		4.08	879		4.11	50.14		63		4
2010	1,890	1.11	951	1.01	4.44	939	1.17	4.39	49.68		68	-0.23	4
2011	1,962	1.01	972	0.87	4.54	990	1.12	4.63	50.46		67	0.35	8
2012	2,267	1.63	1,012	0.88	4.73	1,255	2.26	5.86	55.36		39	-7.02	8
2013	2,179	1.20	1,069	2.25	5.00	1,110	0.78	5.19	50.94		53	-0.62	8
2014	2,090	0.38	1,038	0.86	4.85	1,052	0.12	4.92	50.33		55	-0.25	8
2015	2,208	0.85	1,104	2.00	5.16	1,104	0.28	5.16	50.00		67	0.89	8
2016	1,990	-1.27	1,039	0.00	4.86	951	-1.54	4.44	47.79	24	132	6.52	8
2017	1,941	-1.90	960	-2.62	4.49	981	-1.03	4.58	50.54	41	104	1.08	8
2018	1,789	-2.53	936	-1.99	4.37	853	-2.60	3.99	47.68	16	104	0.92	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

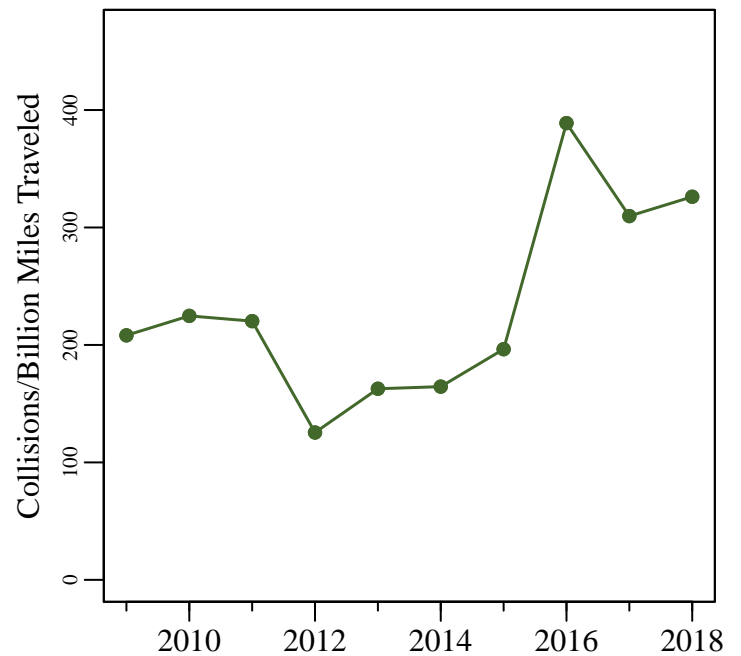


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Jennings County

6/26/2019

Total Square Miles: 378  
 Square Miles of Deer Habitat: 214  
 Percent Deer Habitat: 56

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,629	779	843	7	0	621	762	181	42	17	4	1	1	0	0	0
2016	1,462	671	787	4	0	579	646	190	31	10	1	4	1	0	0	0
2017	1,388	682	694	12	0	518	639	158	41	21	7	3	0	1	0	0
2018	1,305	614	685	6	0	491	600	159	47	7	1	0	0	0	0	0

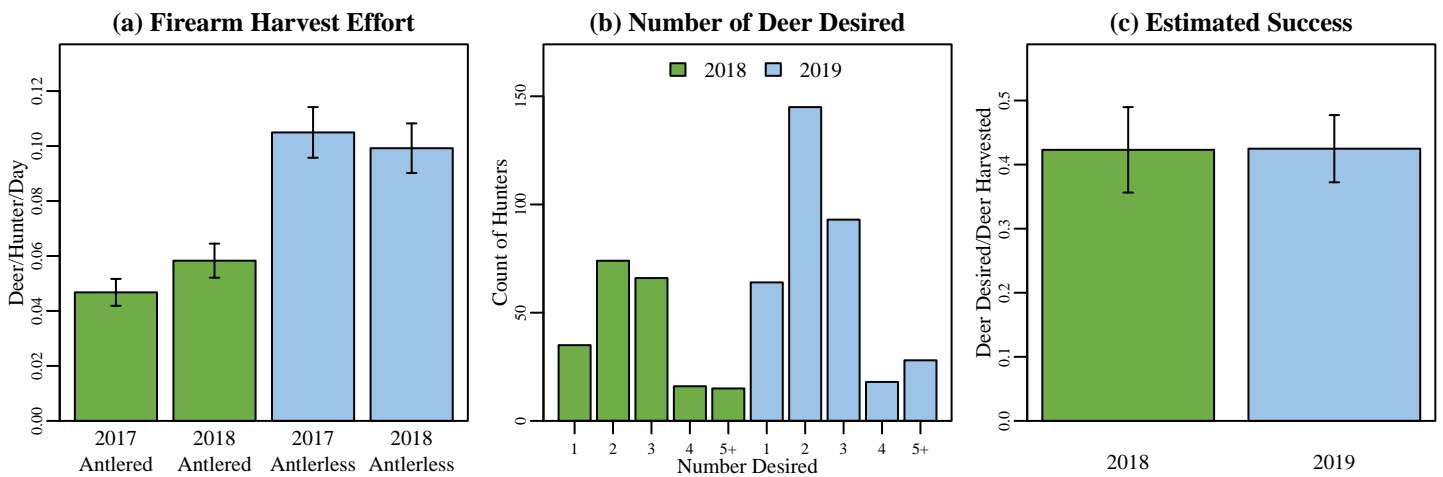
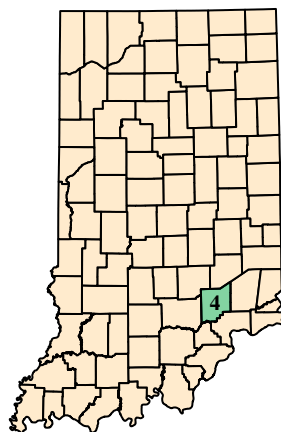


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Jennings County Map



## (b) Deer Habitat in Jennings County

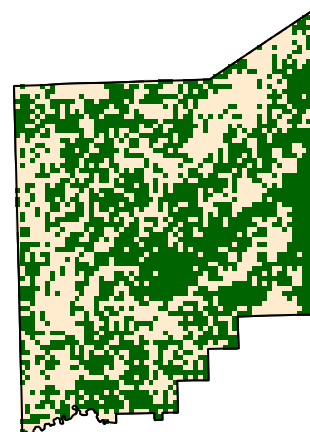


Figure 3. (a) Jennings County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Jennings County.

# Jennings County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

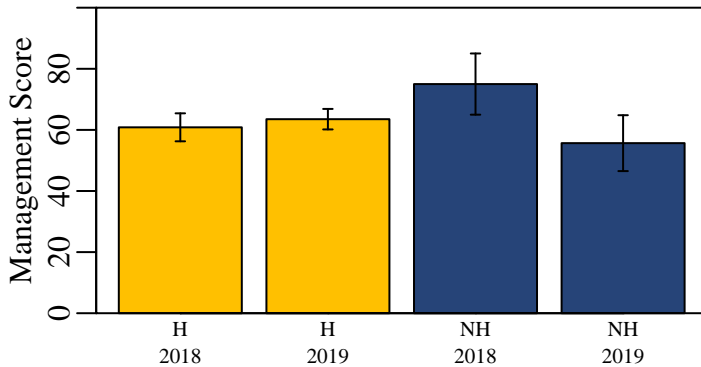


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

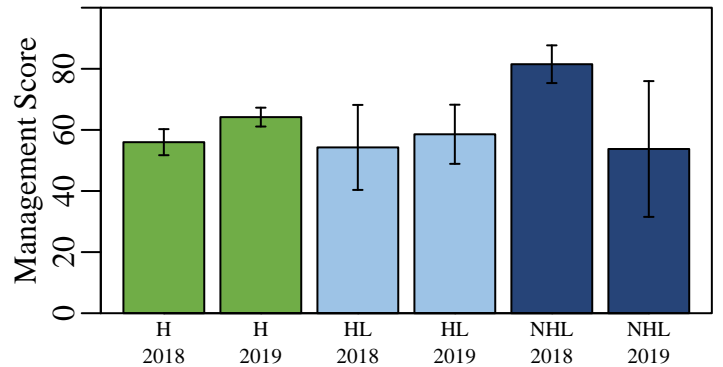


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

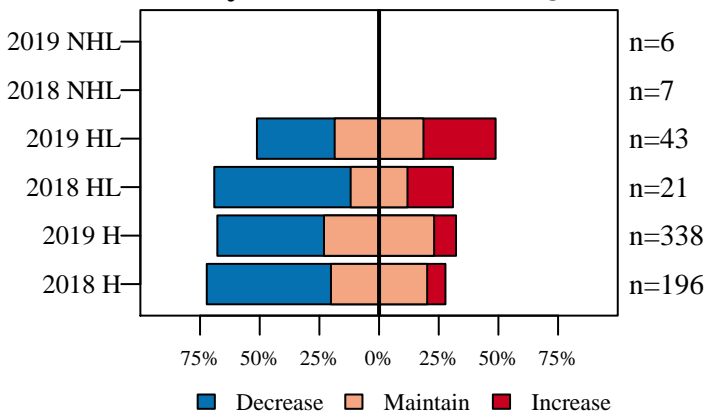


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

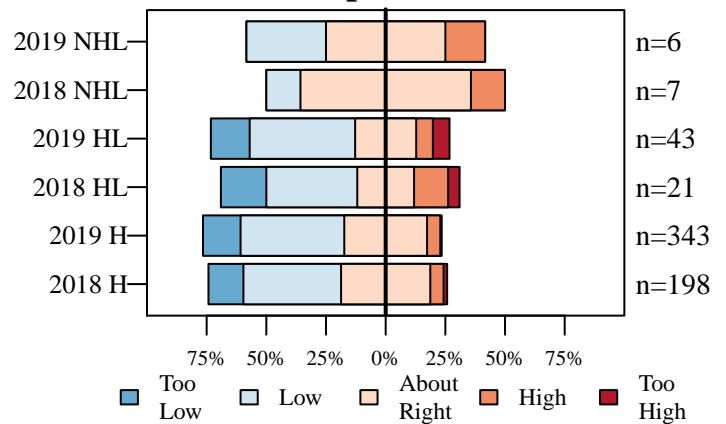


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

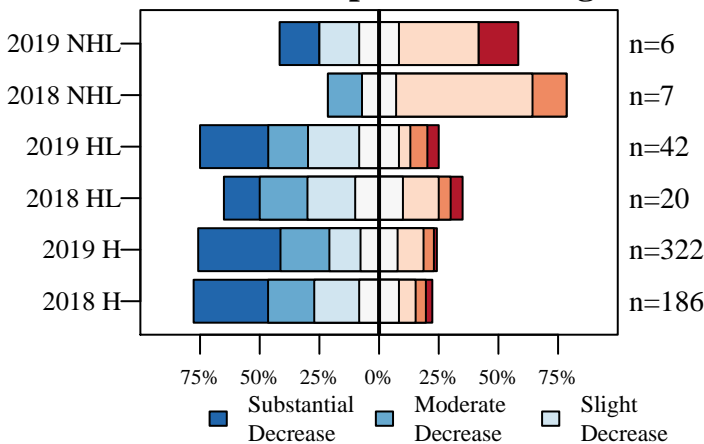


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

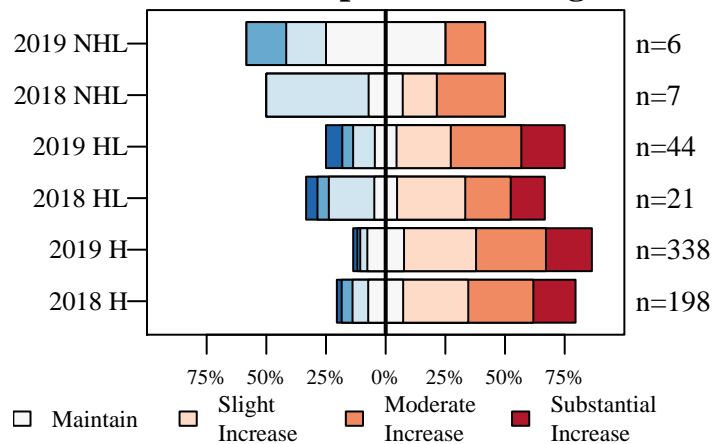


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Jennings County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

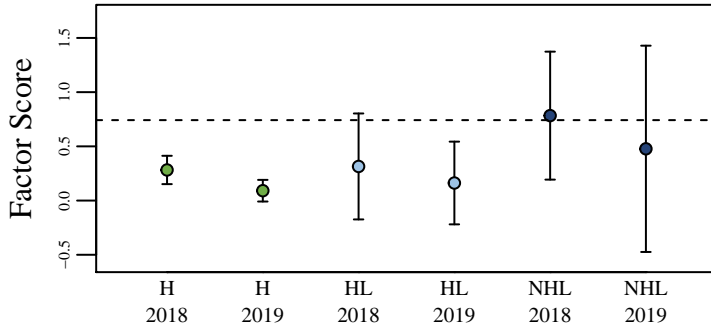


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

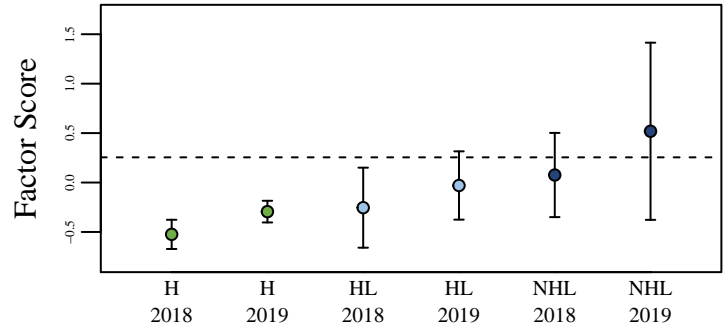


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

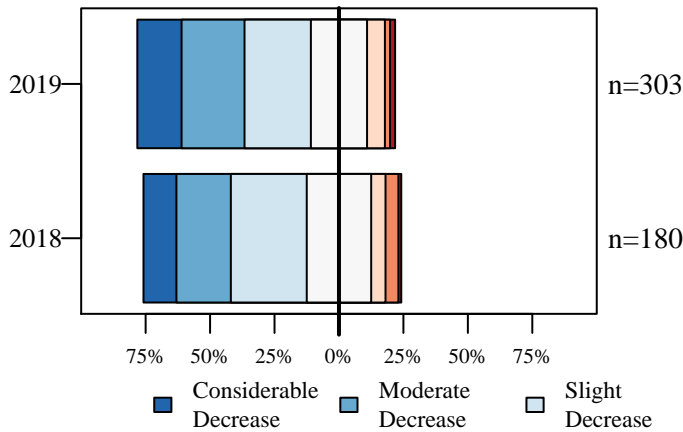


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

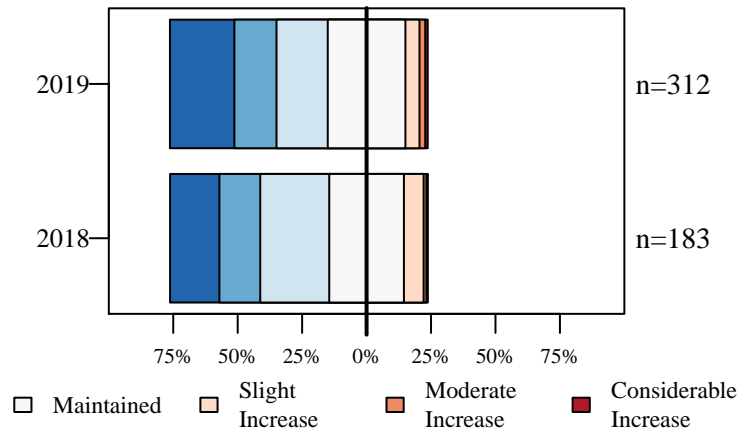


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

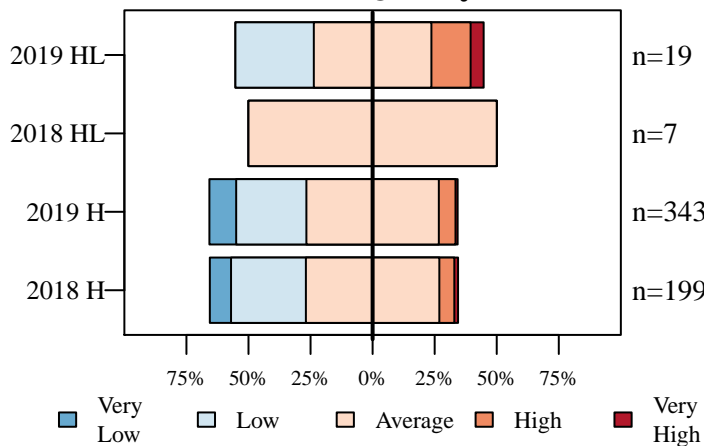


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

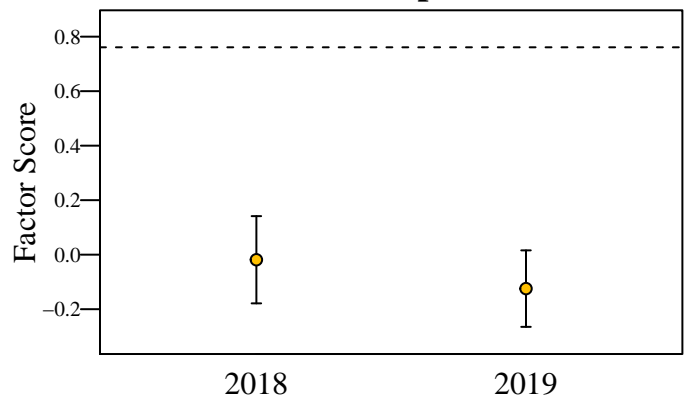


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Johnson County

6/26/2019

Total Square Miles: 322  
 Square Miles of Deer Habitat: 80  
 Percent Deer Habitat: 25

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	646		351		4.39	295		3.69	45.67		123		4
2006	644		320		4.00	324		4.05	50.31		133		8
2007	602		306		3.83	296		3.70	49.17		135		8
2008	618		316		3.95	302		3.77	48.87		137		8
2009	694		335		4.19	359		4.49	51.73		134		8
2010	627	-0.39	306	-1.11	3.83	321	0.21	4.01	51.20		104	-5.20	8
2011	685	1.36	344	2.28	4.30	341	0.83	4.26	49.78		129	0.03	8
2012	664	0.45	328	0.38	4.10	336	0.46	4.20	50.60		126	-0.13	8
2013	623	-1.02	309	-1.11	3.86	314	-0.83	3.92	50.40		138	0.92	8
2014	592	-2.04	296	-1.72	3.70	296	-2.16	3.70	50.00		128	0.14	8
2015	684	1.25	364	2.47	4.55	320	-0.09	4.00	46.78		116	-0.71	8
2016	543	-2.61	300	-1.04	3.75	243	-4.35	3.04	44.75	13	100	-3.49	8
2017	619	-0.04	316	-0.12	3.95	303	0.03	3.79	48.95	8	132	0.69	8
2018	570	-0.82	309	-0.29	3.86	261	-1.12	3.26	45.79	7	120	-0.33	3

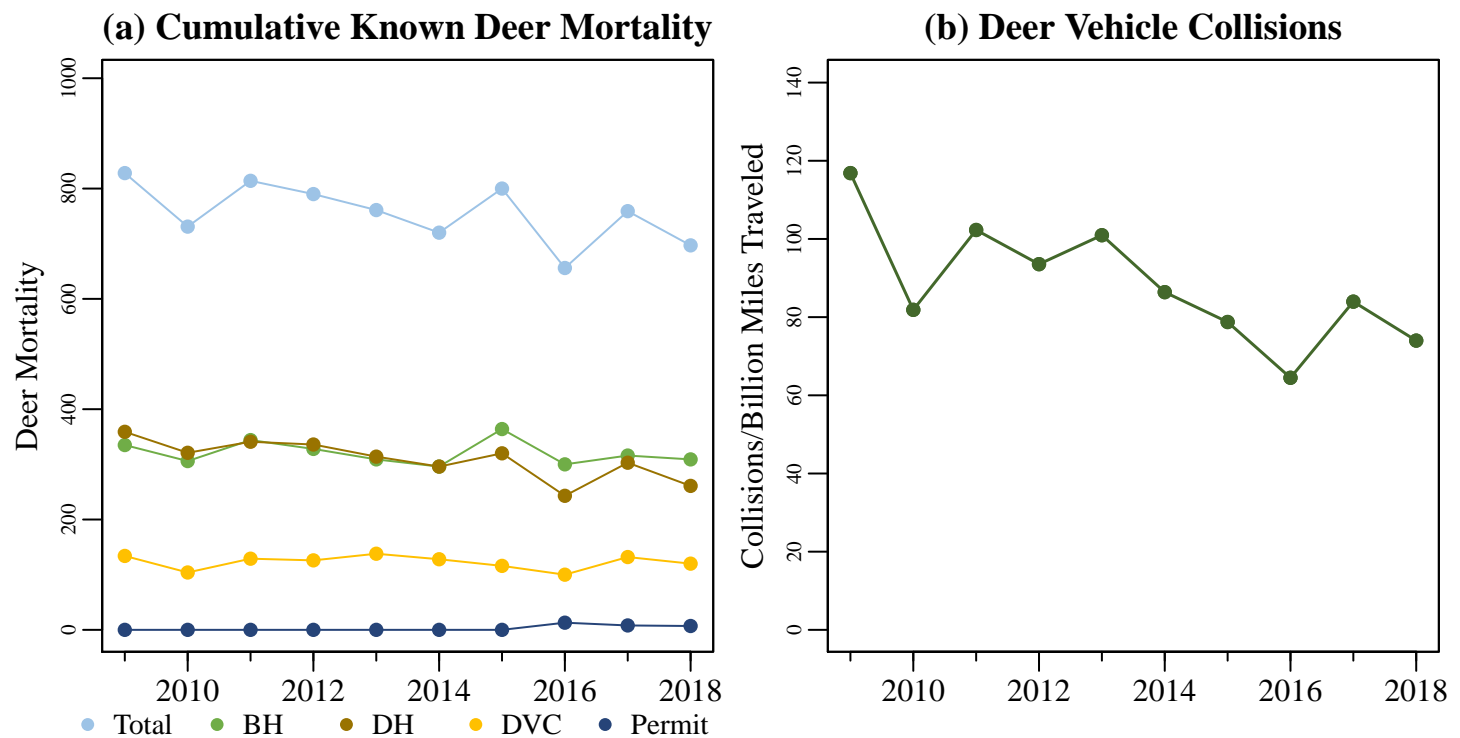


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Johnson County

6/26/2019

Total Square Miles: 322  
 Square Miles of Deer Habitat: 80  
 Percent Deer Habitat: 25

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	544	275	264	5	0	216	270	40	13	4	1	0	0	0	0	0
2016	452	217	234	1	0	202	208	32	8	1	0	0	1	0	0	0
2017	483	256	225	2	0	183	236	44	16	2	2	0	0	0	0	0
2018	467	238	227	2	0	188	225	50	2	2	0	0	0	0	0	0

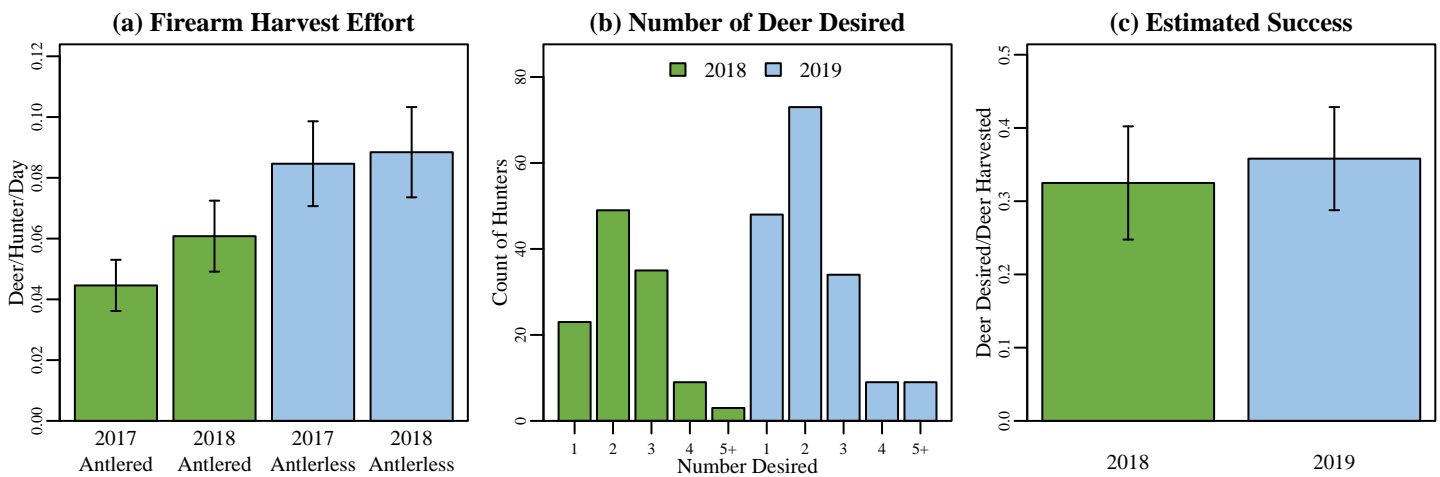
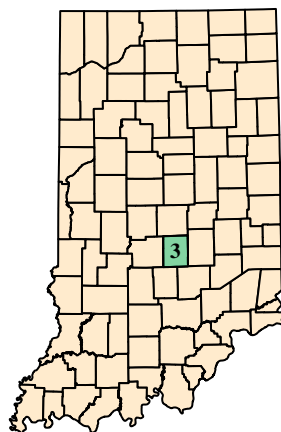


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Johnson County Map



## (b) Deer Habitat in Johnson County

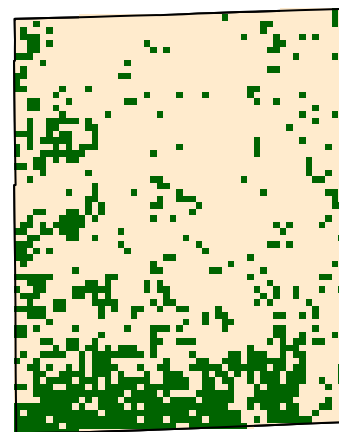


Figure 3. (a) Johnson County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Johnson County.

# Johnson County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

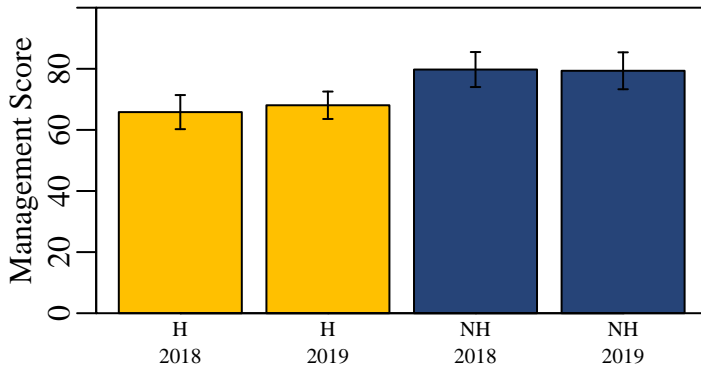


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

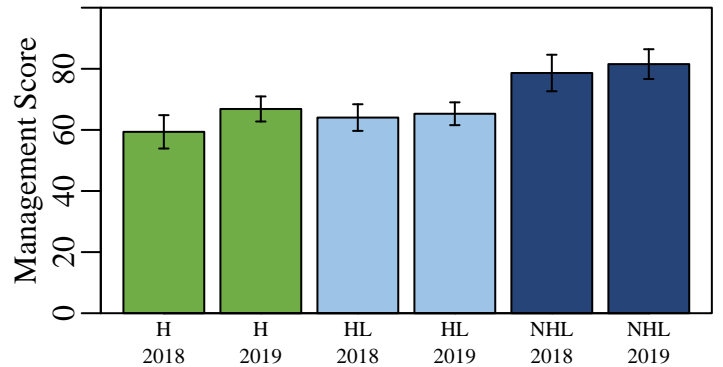


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

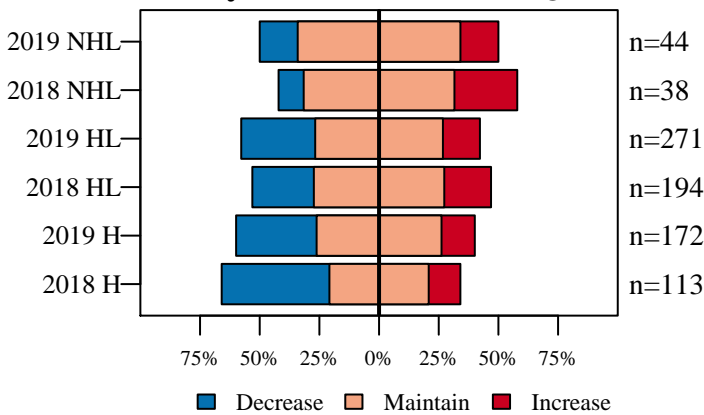


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

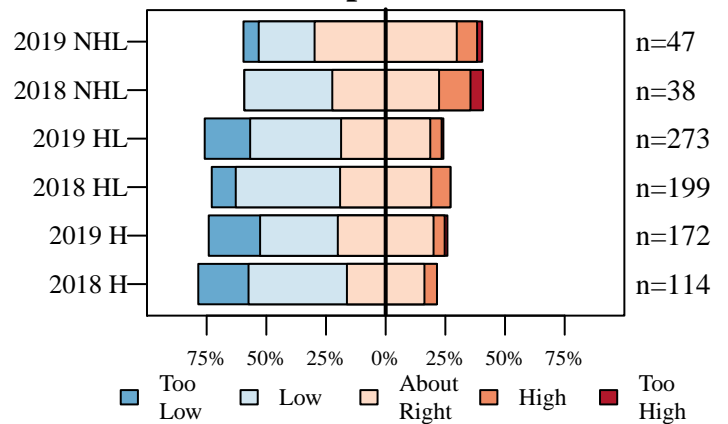


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

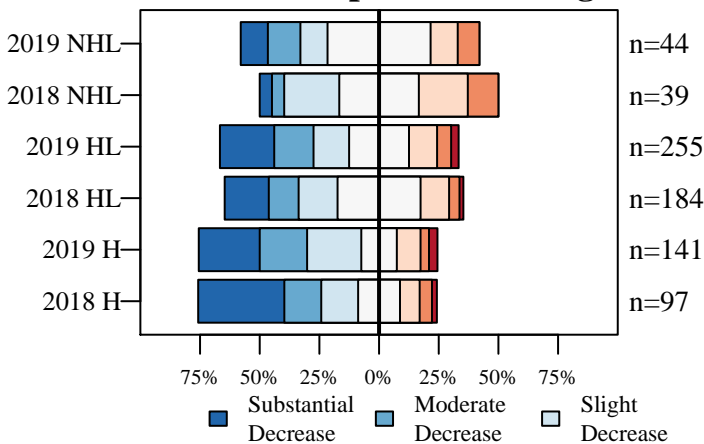


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

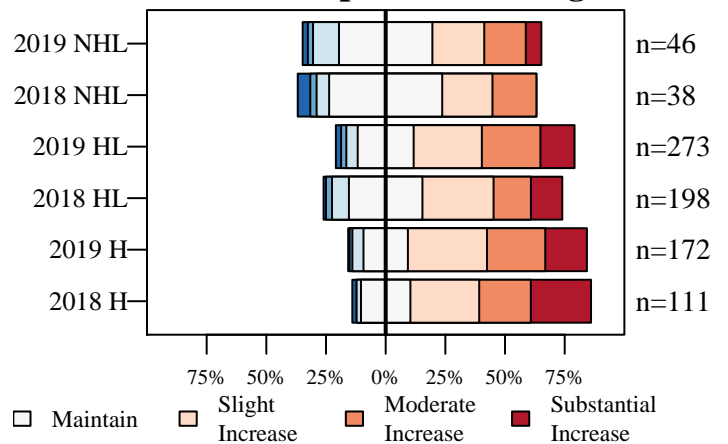


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Johnson County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

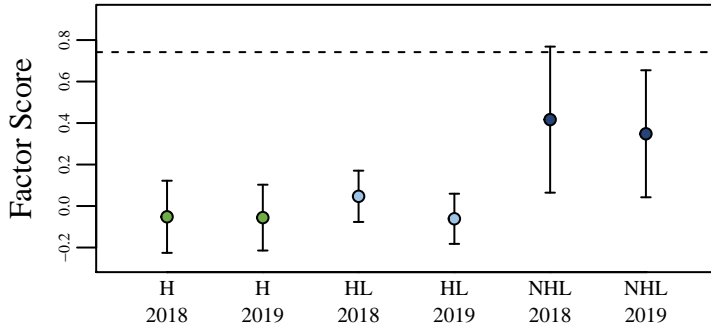


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

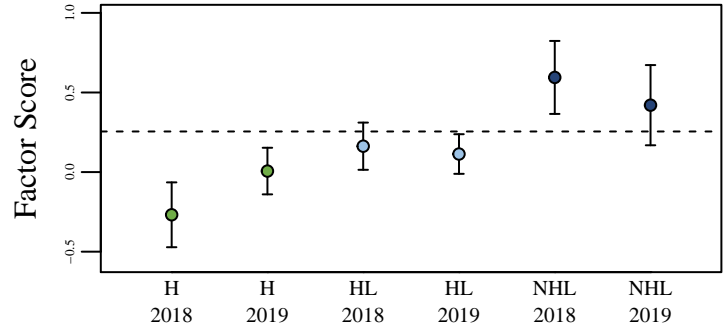


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

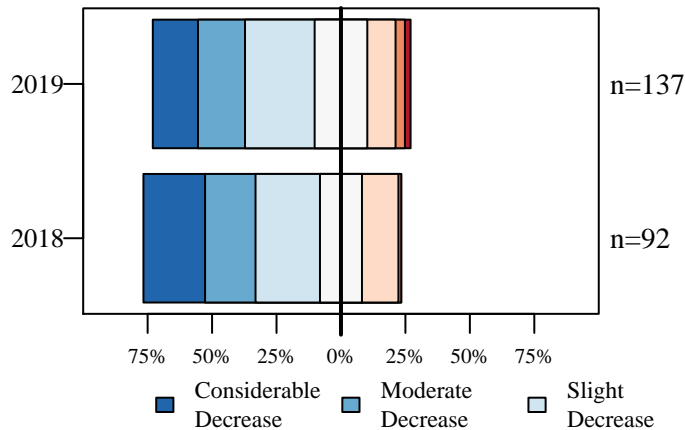


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

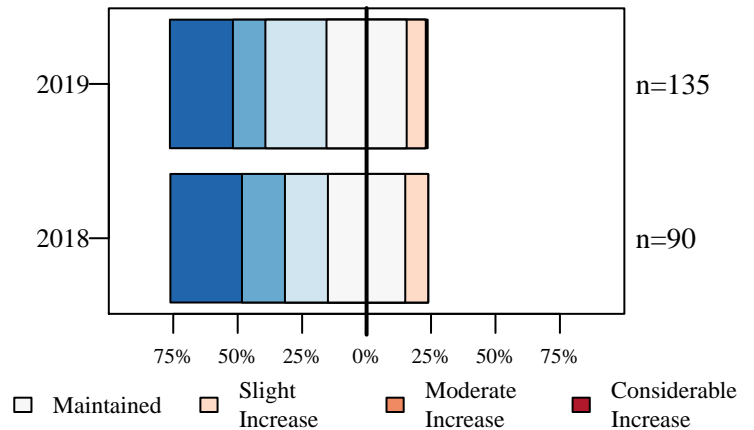


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

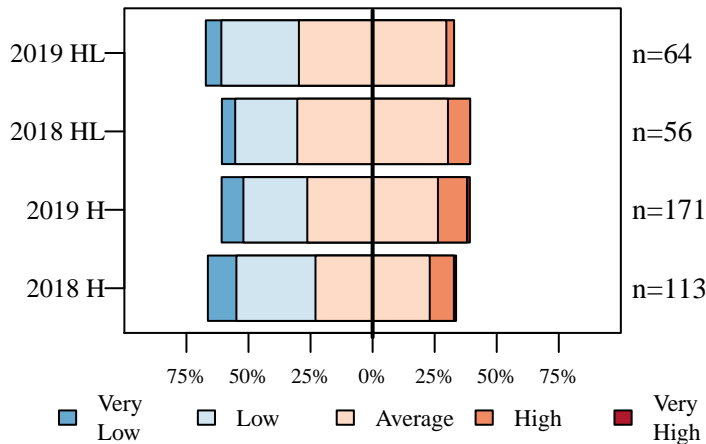


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

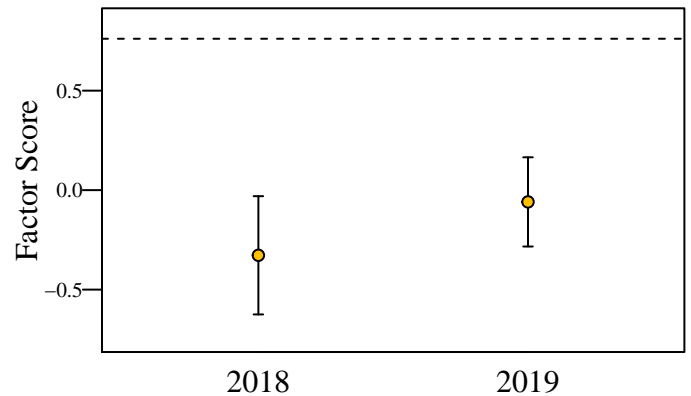


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Knox County

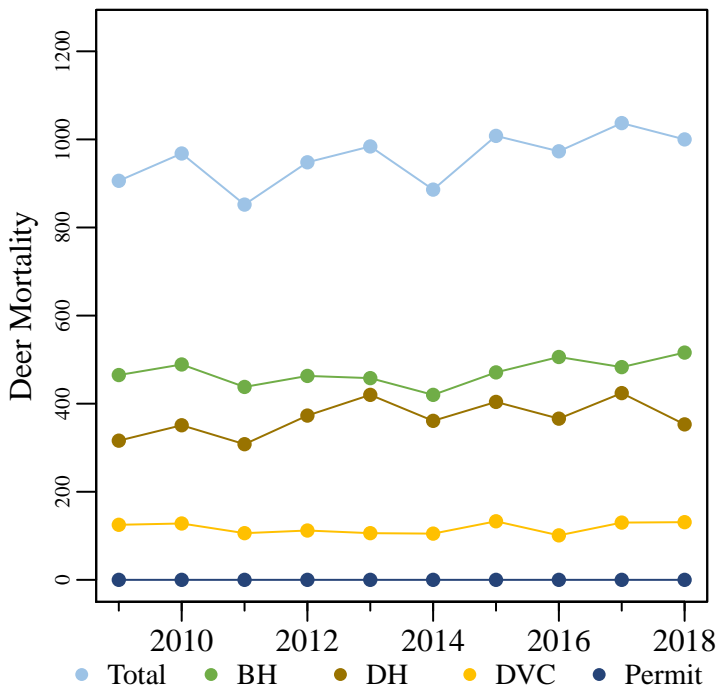
6/26/2019

Total Square Miles: 524  
 Square Miles of Deer Habitat: 78  
 Percent Deer Habitat: 15

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	975		586		7.51	389		4.99	39.90		90		2
2006	994		560		7.18	434		5.56	43.66		100		3
2007	804		468		6.00	336		4.31	41.79		124		3
2008	922		521		6.68	401		5.14	43.49		108		3
2009	781		465		5.96	316		4.05	40.46		125		4
2010	840	-0.56	489	-0.57	6.27	351	-0.50	4.50	41.79		128	1.22	4
2011	746	-1.38	438	-1.56	5.62	308	-1.23	3.95	41.29		106	-0.90	4
2012	836	0.26	463	-0.43	5.94	373	0.83	4.78	44.62		112	-0.60	4
2013	878	0.79	458	-0.55	5.87	420	1.80	5.38	47.84		106	-0.97	4
2014	781	-0.67	420	-2.34	5.38	361	0.16	4.63	46.22		105	-0.99	4
2015	875	1.12	471	0.67	6.04	404	1.03	5.18	46.17		133	2.23	4
2016	872	0.84	506	2.70	6.49	366	-0.17	4.69	41.97	0	101	-0.96	4
2017	907	1.42	483	0.63	6.19	424	1.52	5.44	46.75	0	130	1.69	4
2018	869	0.13	516	1.52	6.62	353	-1.41	4.53	40.62	0	131	1.38	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

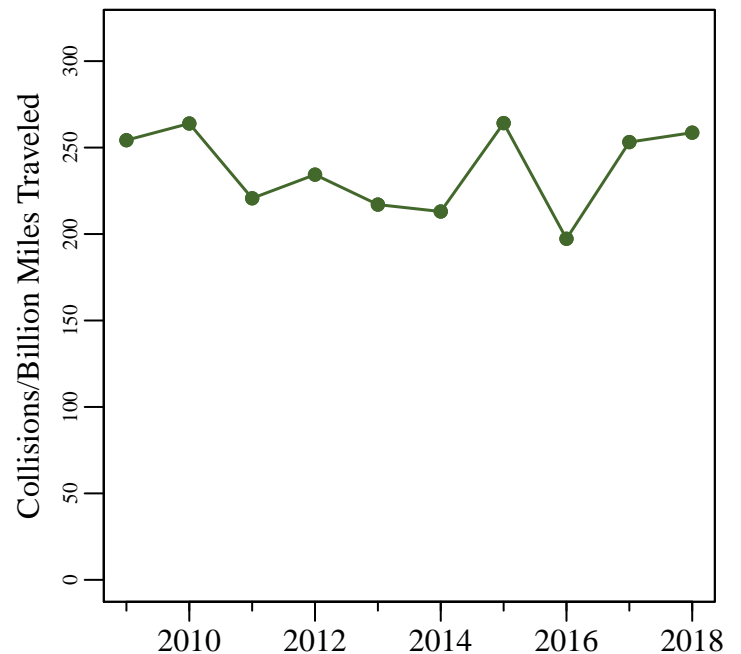


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Knox County

6/26/2019

Total Square Miles: 524  
 Square Miles of Deer Habitat: 78  
 Percent Deer Habitat: 15

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	669	270	397	2	0	303	282	65	15	3	1	0	0	0	0	0
2016	685	254	426	5	0	337	275	59	13	1	0	0	0	0	0	0
2017	688	298	389	1	0	286	305	80	17	0	0	0	0	0	0	0
2018	701	276	424	1	0	326	310	63	1	1	0	0	0	0	0	0

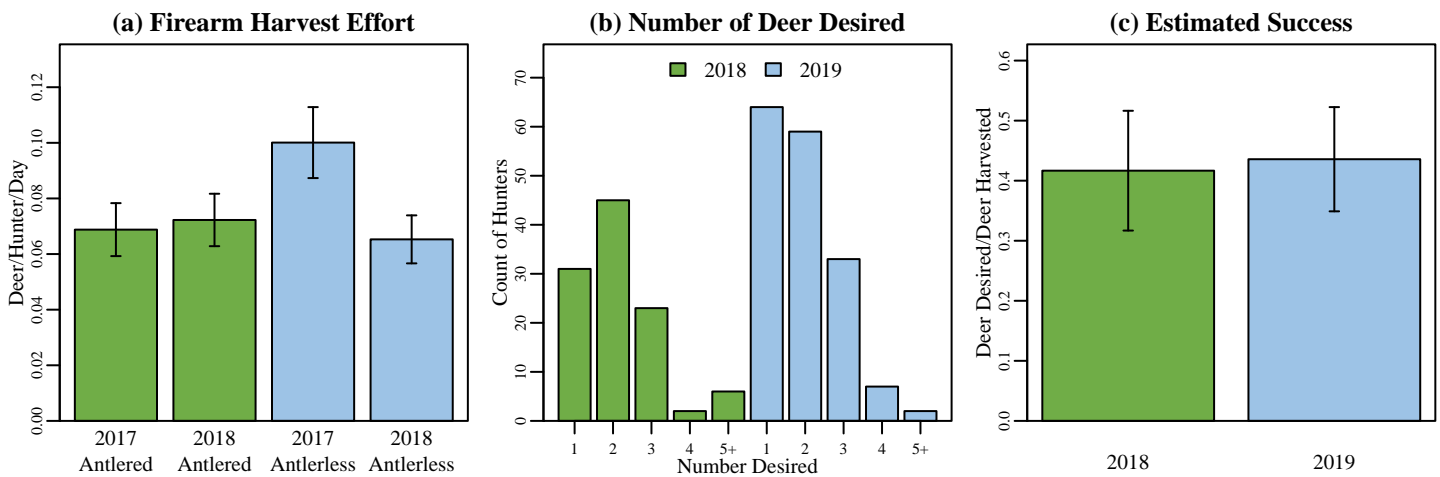
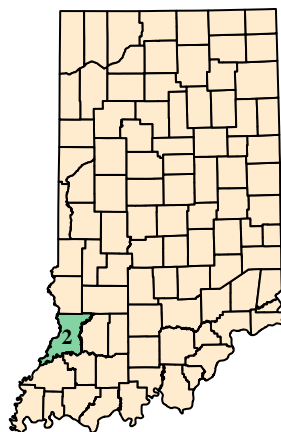


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Knox County Map



## (b) Deer Habitat in Knox County

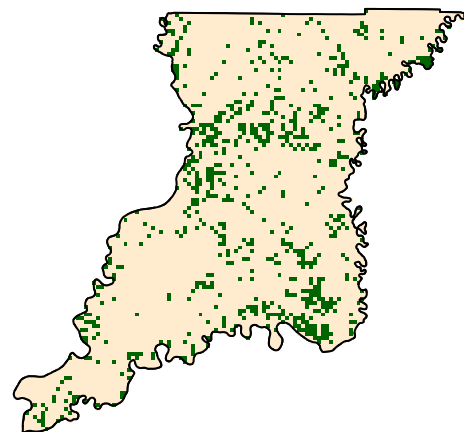


Figure 3. (a) Knox County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Knox County.

# Knox County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

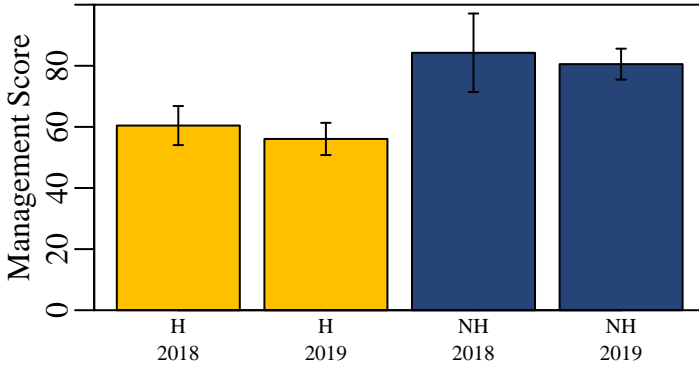


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

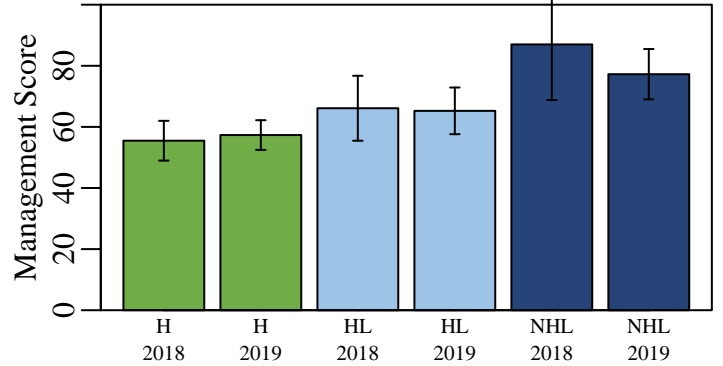


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

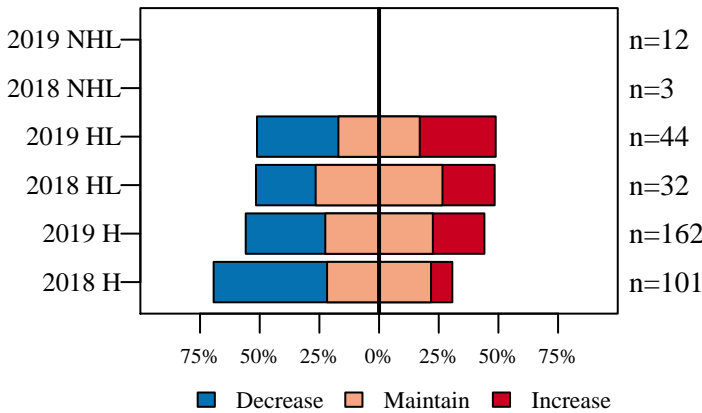


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

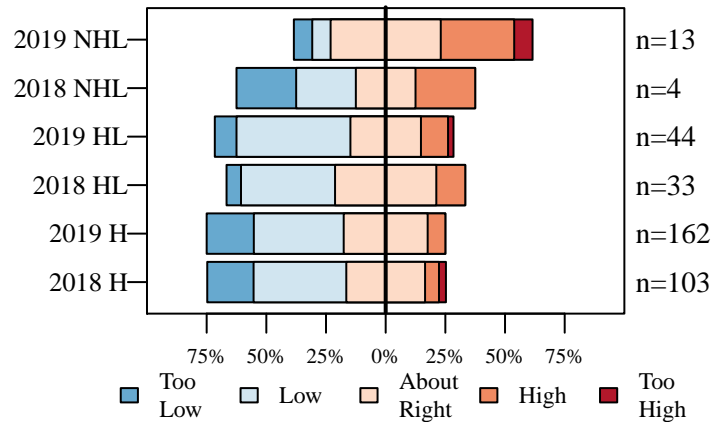


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

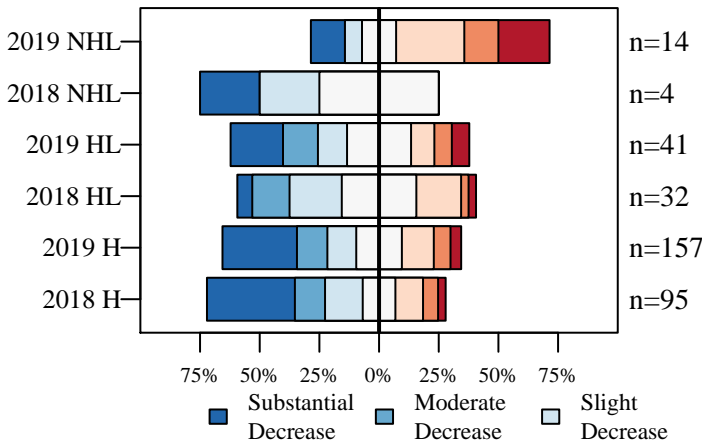


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

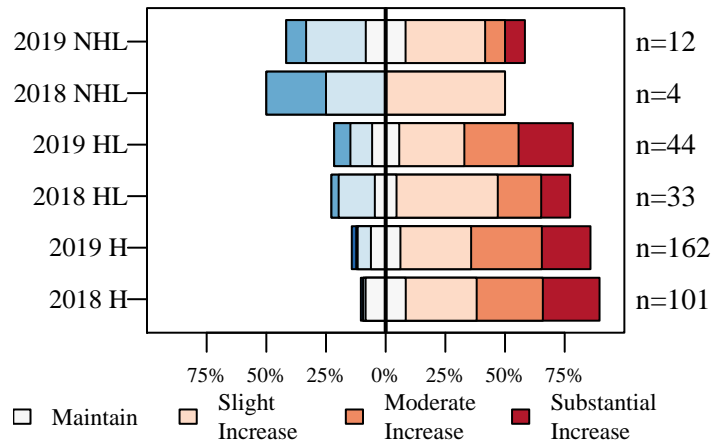


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Knox County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

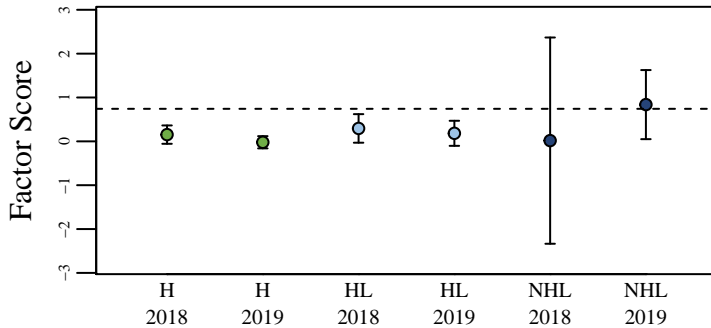


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

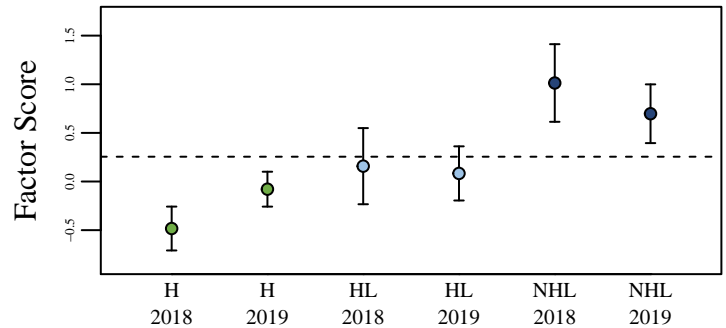


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

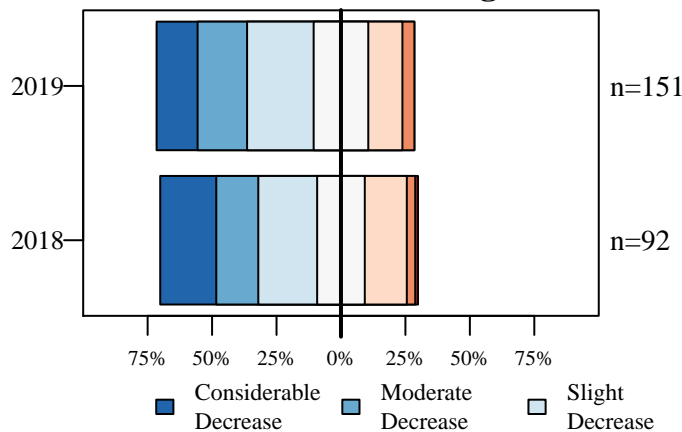


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

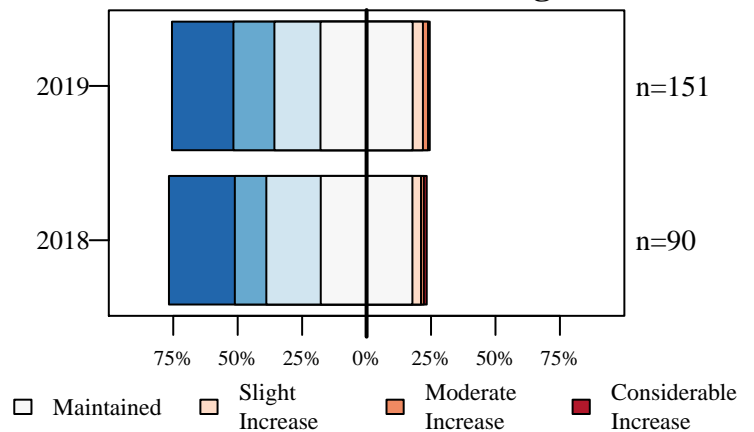


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

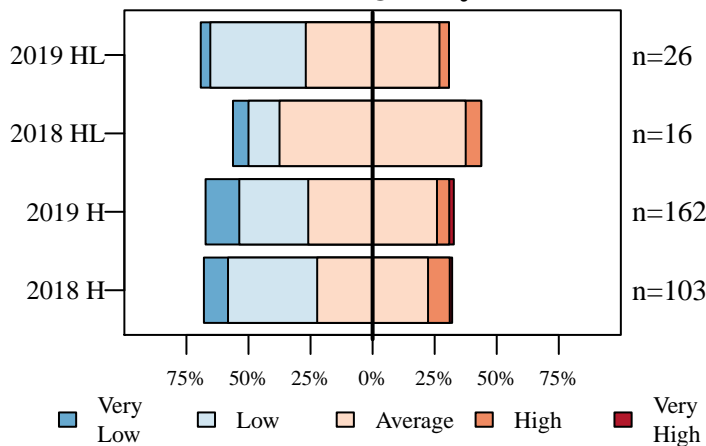


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

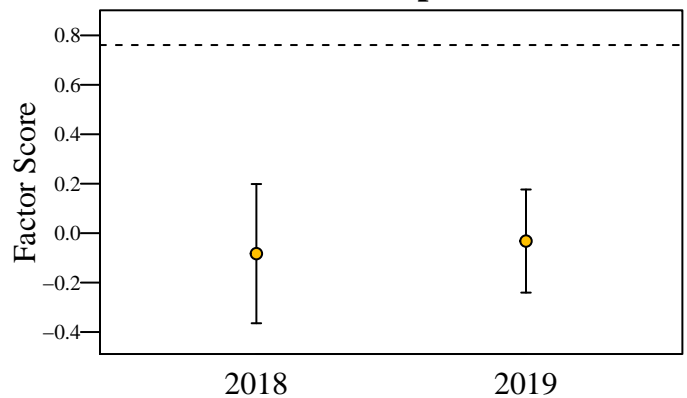


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Kosciusko County

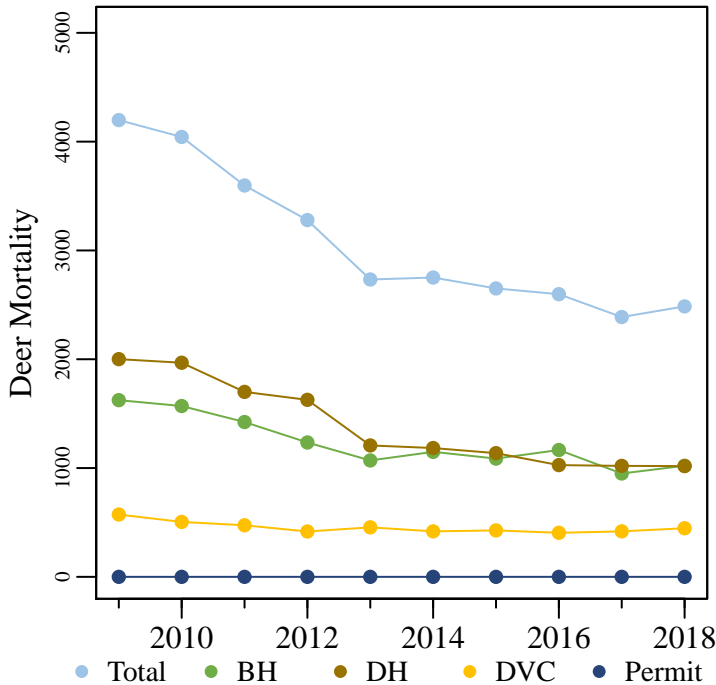
6/26/2019

Total Square Miles: 554  
 Square Miles of Deer Habitat: 89  
 Percent Deer Habitat: 16

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,622		1,352		15.19	1,270		14.27	48.44		534		1
2006	3,031		1,414		15.89	1,617		18.17	53.35		616		2
2007	2,953		1,398		15.71	1,555		17.47	52.66		629		3
2008	3,310		1,496		16.81	1,814		20.38	54.80		590		3
2009	3,625		1,624		18.25	2,001		22.48	55.20		573		8
2010	3,538	1.13	1,570	1.06	17.64	1,968	1.15	22.11	55.62		505	-2.23	8
2011	3,123	-0.57	1,423	-0.79	15.99	1,700	-0.45	19.10	54.43		474	-2.24	8
2012	2,862	-1.60	1,235	-2.79	13.88	1,627	-0.97	18.28	56.85		417	-2.16	8
2013	2,278	-3.27	1,070	-2.64	12.02	1,208	-3.77	13.57	53.03		455	-0.80	4
2014	2,333	-1.37	1,149	-1.02	12.91	1,184	-1.61	13.30	50.75		418	-1.14	4
2015	2,224	-1.13	1,087	-0.99	12.21	1,137	-1.19	12.78	51.12		427	-0.71	4
2016	2,193	-0.92	1,166	-0.19	13.10	1,027	-1.28	11.54	46.83	0	405	-1.32	4
2017	1,970	-1.48	950	-2.90	10.67	1,020	-0.95	11.46	51.78	0	418	-0.56	4
2018	2,039	-1.16	1,021	-0.74	11.47	1,018	-1.11	11.44	49.93	0	447	0.67	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

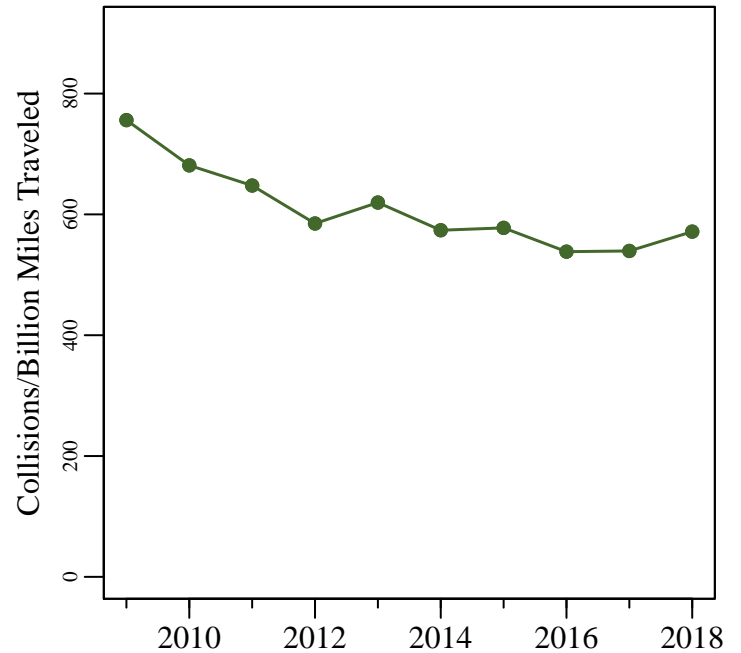


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Kosciusko County

6/26/2019

Total Square Miles: 554  
 Square Miles of Deer Habitat: 89  
 Percent Deer Habitat: 16

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,667	793	869	5	0	639	777	197	44	9	0	1	0	0	0	0
2016	1,656	729	924	3	0	686	742	178	41	6	0	3	0	0	0	0
2017	1,472	722	748	2	0	550	703	165	41	9	1	1	1	1	0	0
2018	1,540	701	835	4	0	618	703	173	40	4	1	1	0	0	0	0

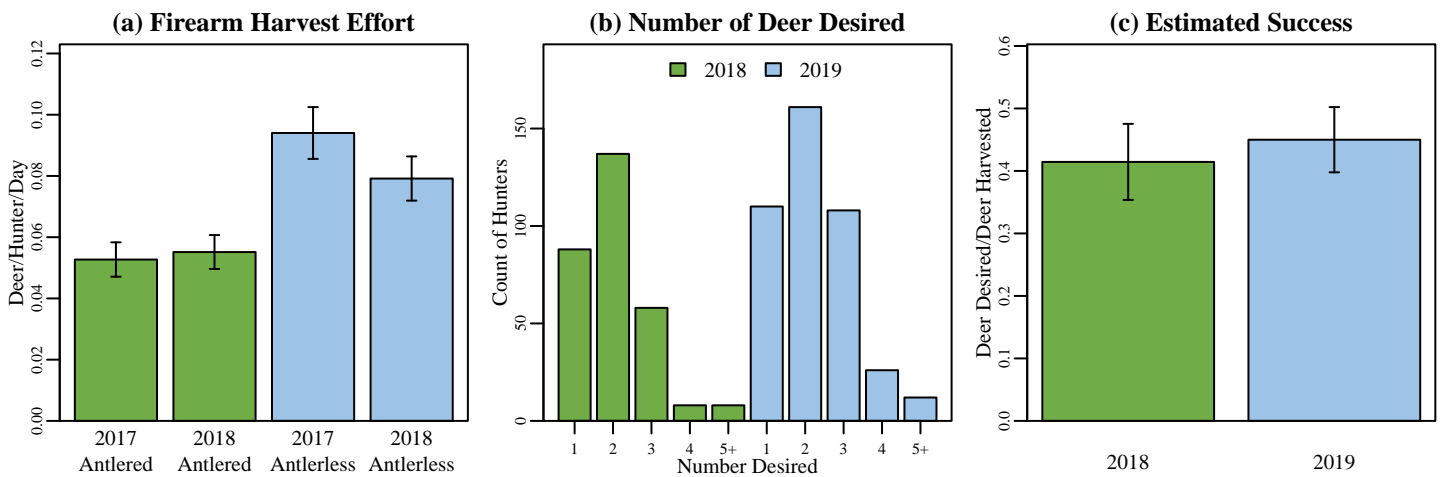
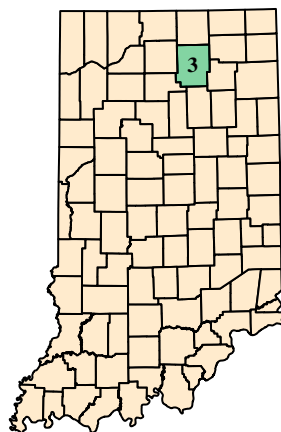


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Kosciusko County Map



## (b) Deer Habitat in Kosciusko County

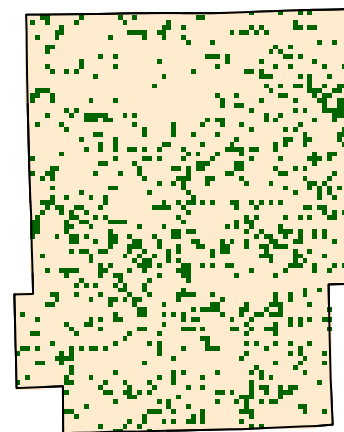


Figure 3. (a) Kosciusko County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Kosciusko County.

# Kosciusko County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

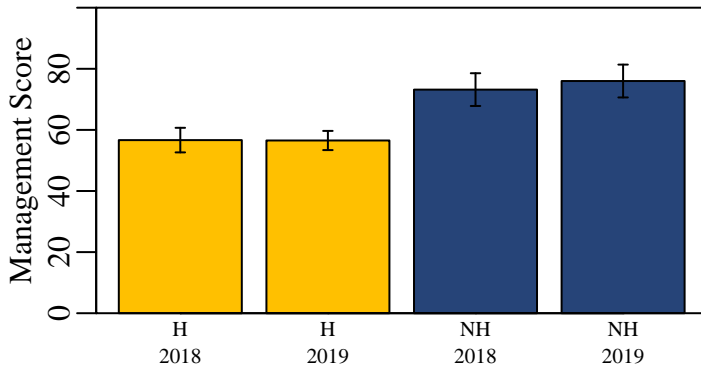


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

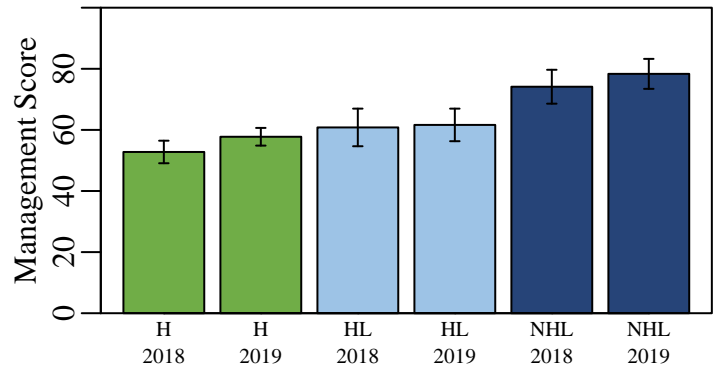


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

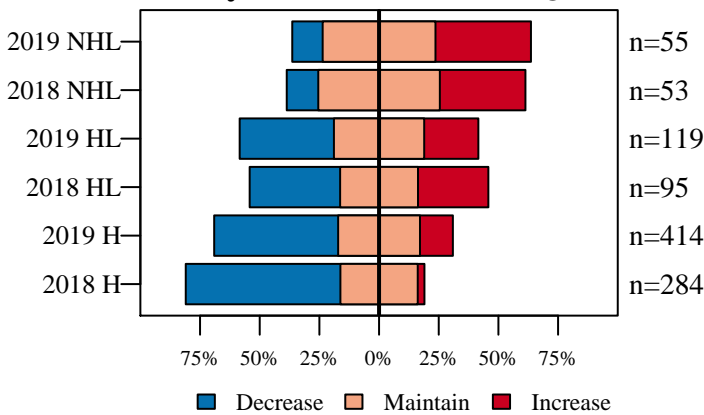


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

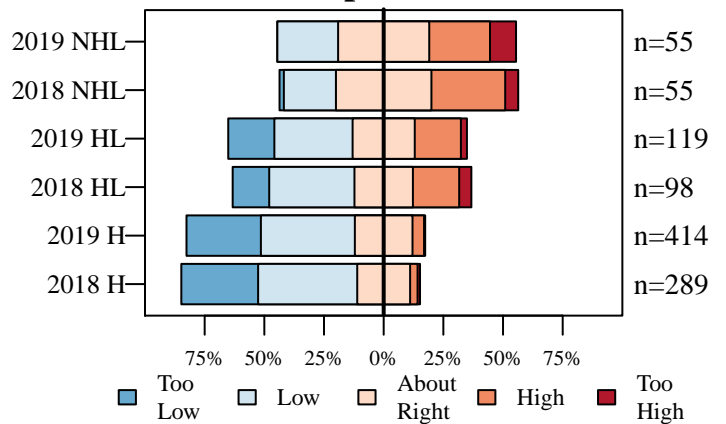


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

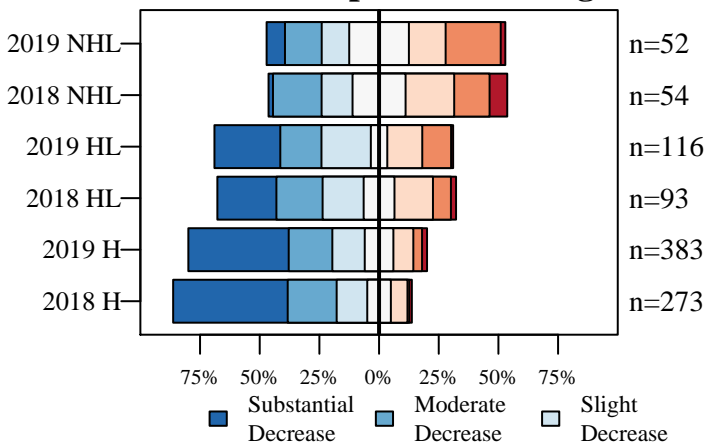


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

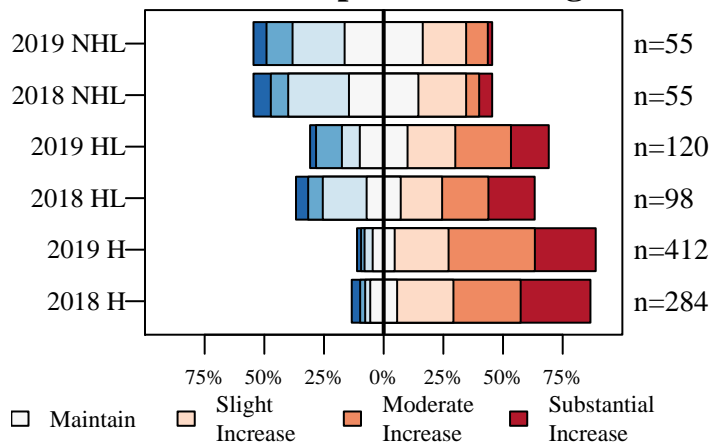


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Kosciusko County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

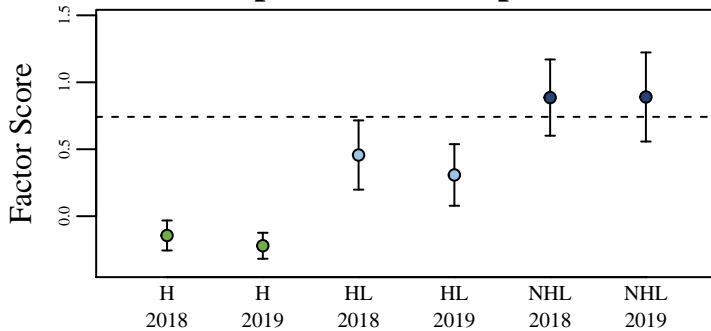


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

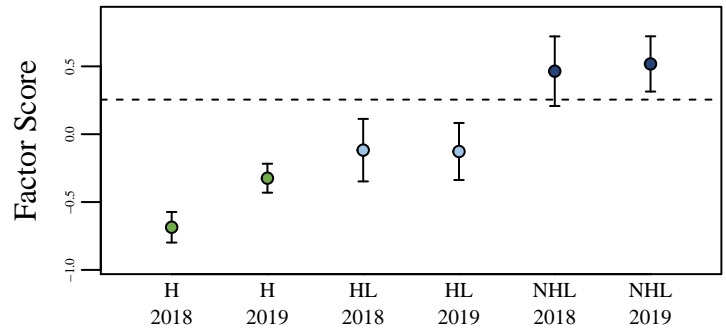


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

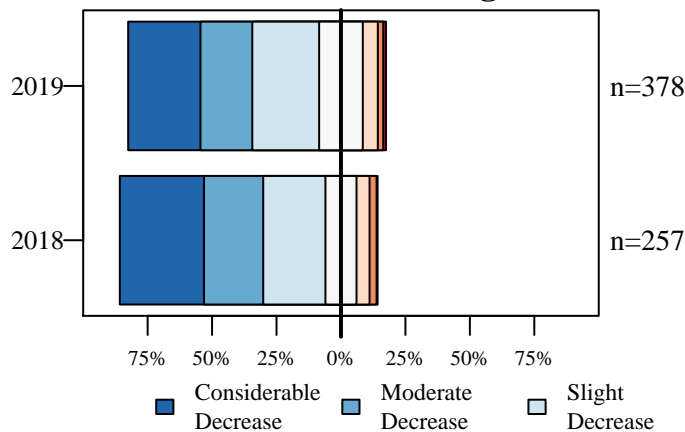


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

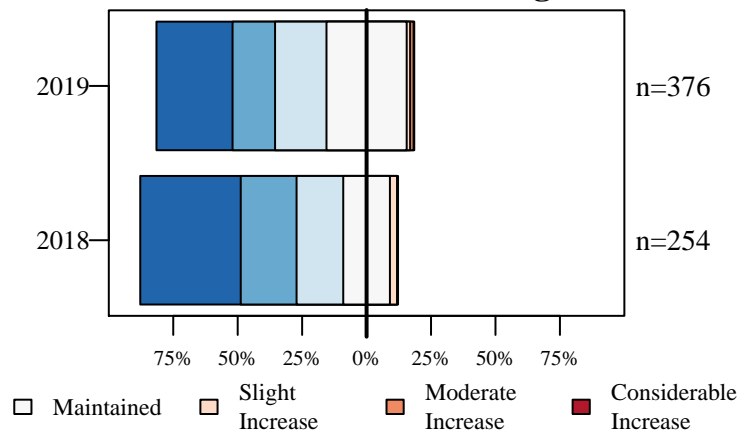


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

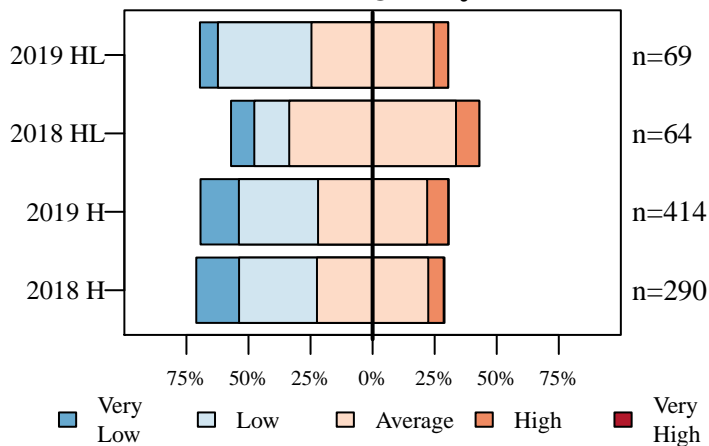


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

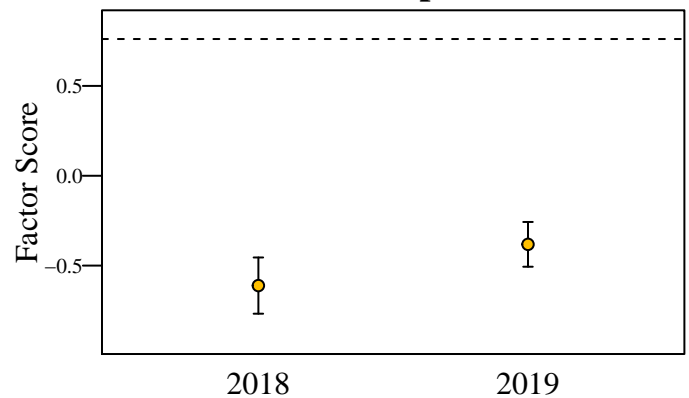


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# LaGrange County

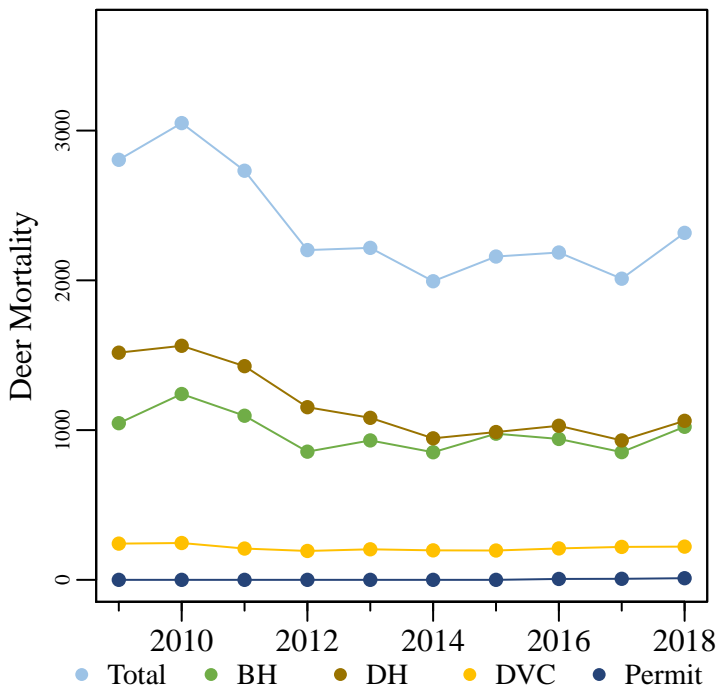
6/26/2019

Total Square Miles: 387  
 Square Miles of Deer Habitat: 173  
 Percent Deer Habitat: 44

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,566		1,192		6.89	1,374		7.94	53.55		222		3
2006	2,520		1,060		6.13	1,460		8.44	57.94		224		3
2007	2,581		1,139		6.58	1,442		8.34	55.87		210		3
2008	2,691		1,109		6.41	1,582		9.14	58.79		222		4
2009	2,563		1,046		6.05	1,517		8.77	59.19		242		8
2010	2,804	3.44	1,241	2.22	7.17	1,563	1.12	9.03	55.74		246	1.91	8
2011	2,523	-0.95	1,096	-0.30	6.34	1,427	-1.40	8.25	56.56		209	-1.33	8
2012	2,009	-5.45	856	-3.73	4.95	1,153	-5.06	6.66	57.39		193	-1.88	8
2013	2,013	-1.65	931	-0.99	5.38	1,082	-2.09	6.25	53.75		204	-0.83	4
2014	1,797	-1.65	852	-1.22	4.92	945	-1.85	5.46	52.59		197	-0.92	4
2015	1,963	-0.64	976	-0.11	5.64	987	-0.97	5.71	50.28		196	-0.65	3
2016	1,970	-0.33	941	-0.01	5.44	1,029	-0.47	5.95	52.23	6	210	1.56	3
2017	1,784	-1.88	853	-1.06	4.93	931	-1.33	5.38	52.19	7	220	2.58	2
2018	2,084	1.67	1,022	2.00	5.91	1,062	1.08	6.14	50.96	11	222	1.86	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

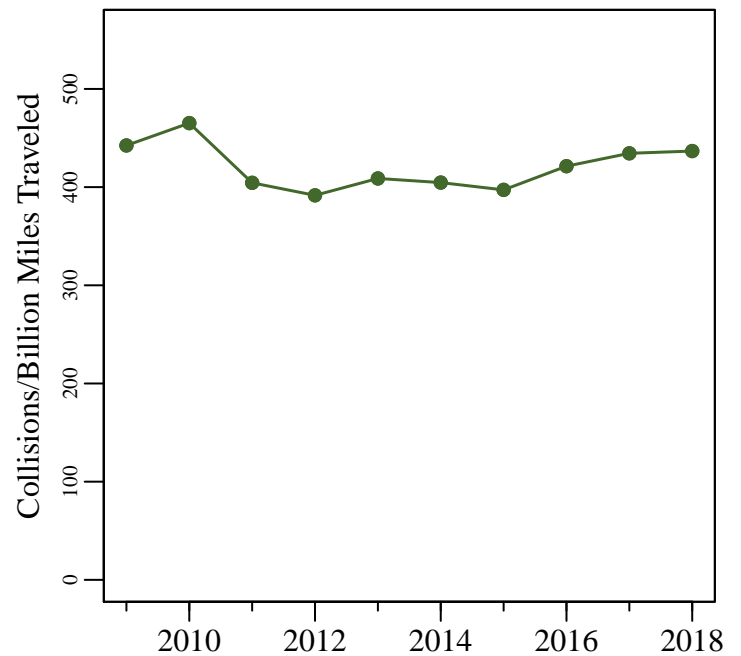


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# LaGrange County

6/26/2019

Total Square Miles: 387  
 Square Miles of Deer Habitat: 173  
 Percent Deer Habitat: 44

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,546	768	773	5	0	595	758	161	28	4	0	0	0	0	0	0
2016	1,556	798	755	2	1	568	793	175	16	3	1	0	0	0	0	0
2017	1,396	749	640	7	0	469	749	158	16	3	1	0	0	0	0	0
2018	1,632	817	806	9	0	560	907	145	18	1	1	0	0	0	0	0

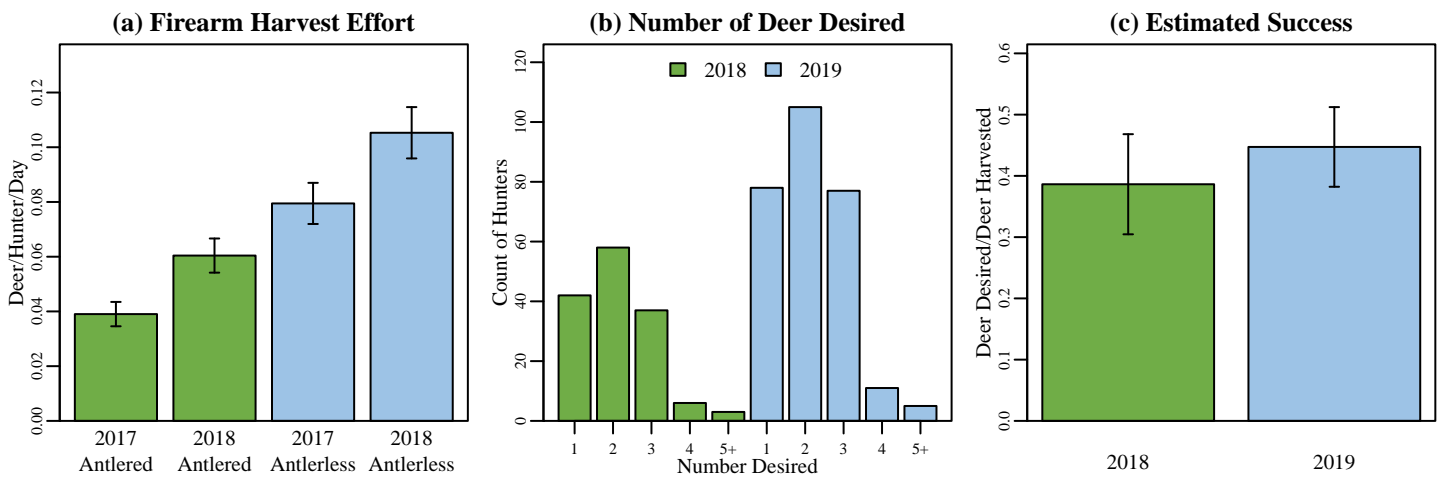
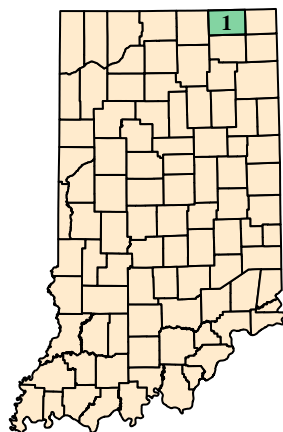


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) LaGrange County Map



## (b) Deer Habitat in LaGrange County

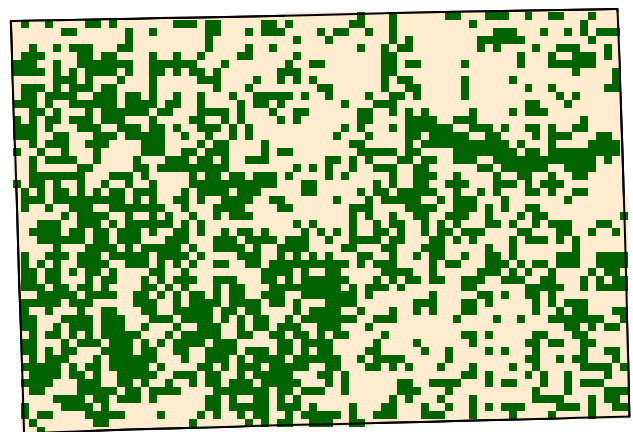


Figure 3. (a) LaGrange County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in LaGrange County.

# LaGrange County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

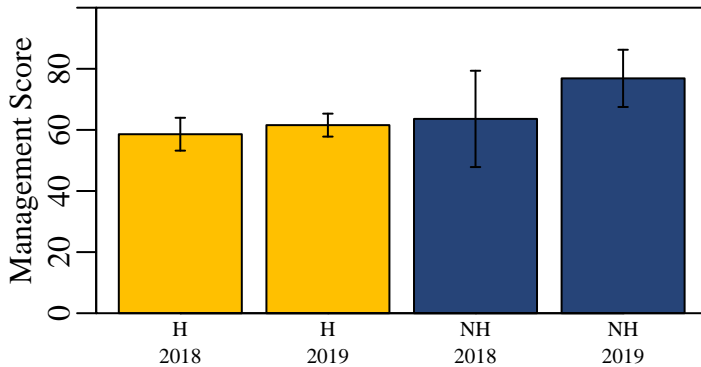


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

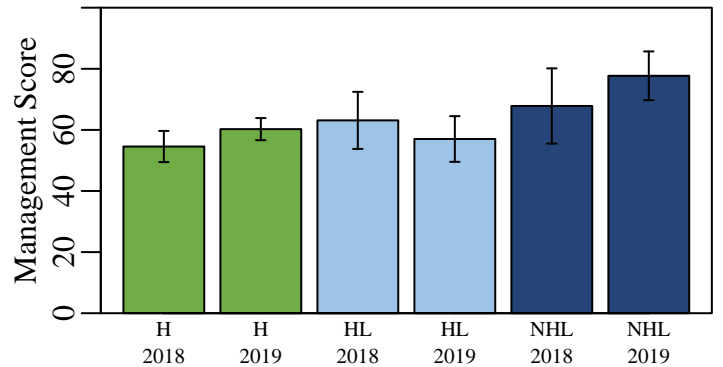


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

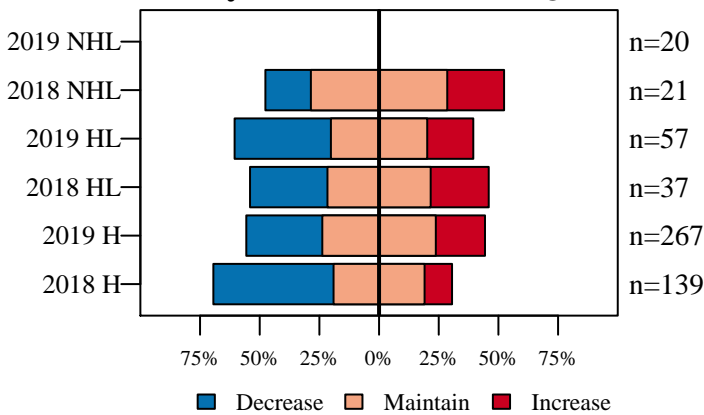


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

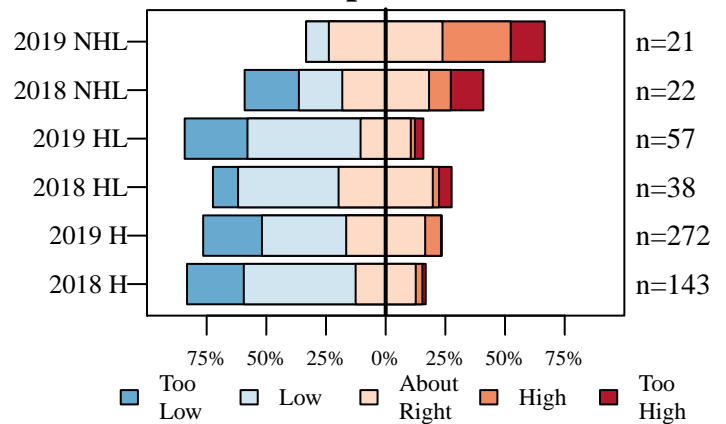


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

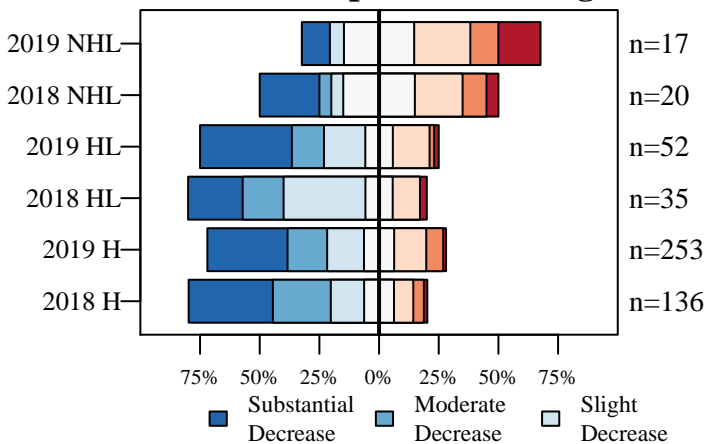


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

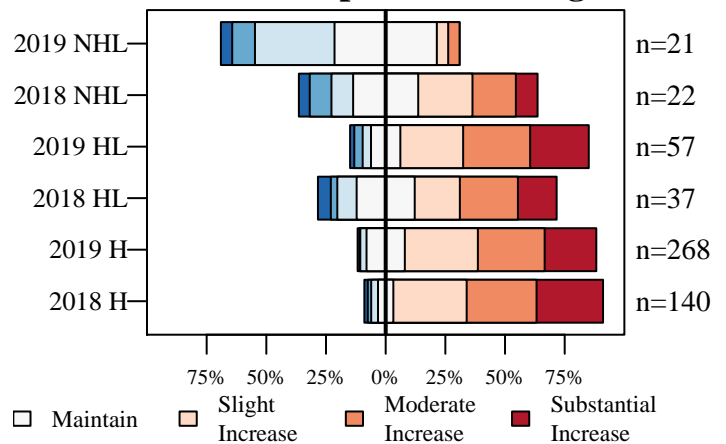


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# LaGrange County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

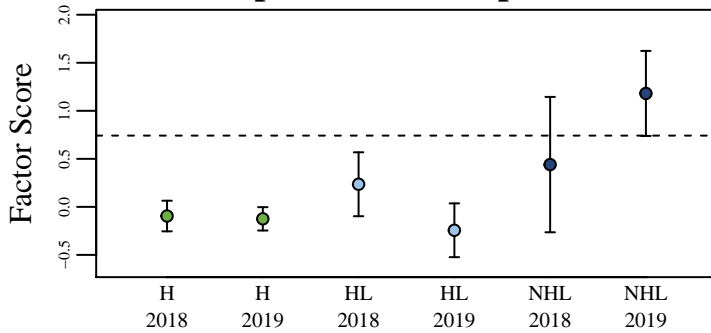


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

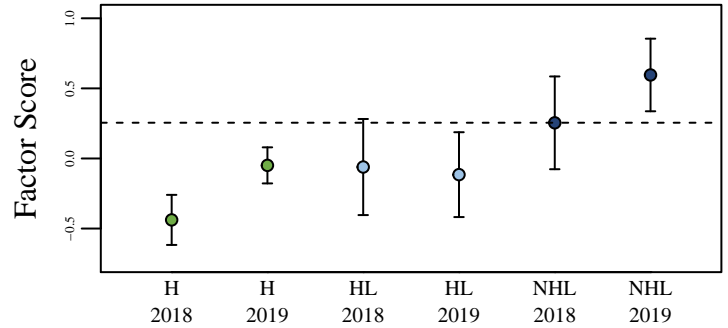


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

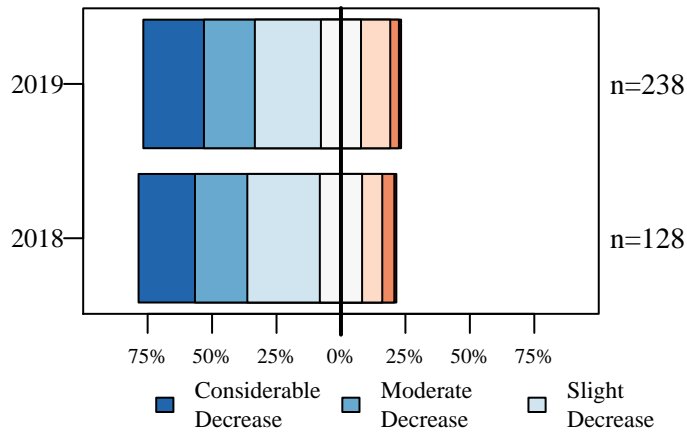


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

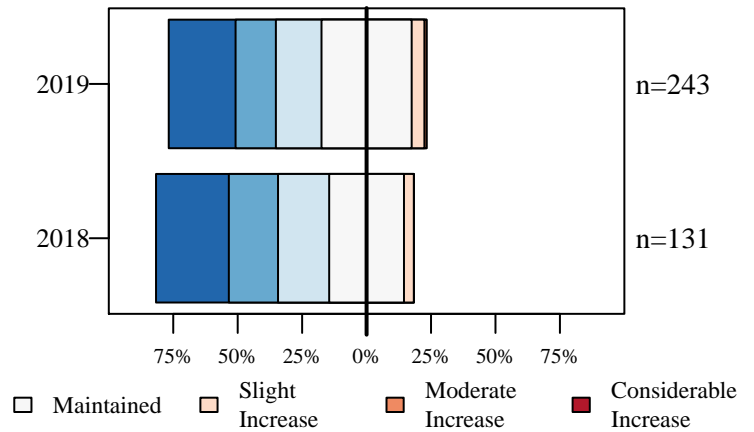


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

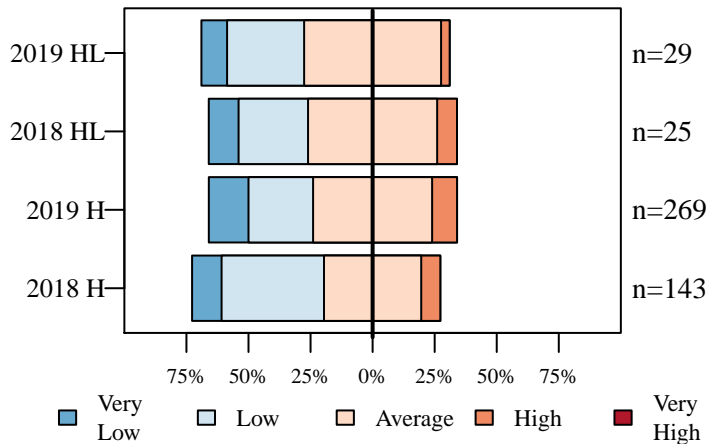


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

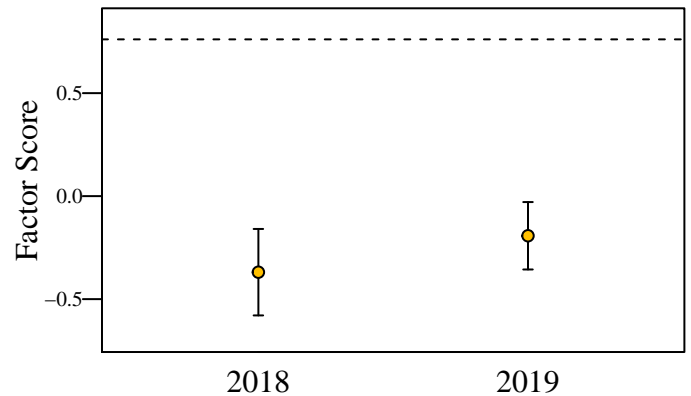


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Lake County

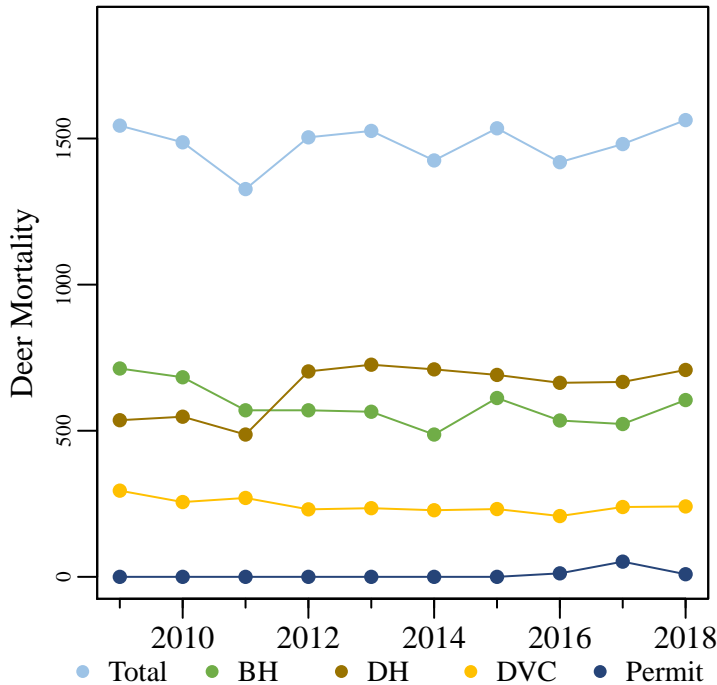
6/26/2019

Total Square Miles: 626  
 Square Miles of Deer Habitat: 112  
 Percent Deer Habitat: 18

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,078		669		5.97	409		3.65	37.94		326		2
2006	1,131		664		5.93	467		4.17	41.29		303		3
2007	1,276		724		6.46	552		4.93	43.26		298		4
2008	1,170		651		5.81	519		4.63	44.36		308		4
2009	1,249		713		6.37	536		4.79	42.91		295		8
2010	1,231	0.61	683	-0.04	6.10	548	0.88	4.89	44.52		256	-4.09	8
2011	1,057	-2.60	570	-3.75	5.09	487	-1.08	4.35	46.07		270	-1.06	8
2012	1,273	0.88	570	-1.59	5.09	703	6.60	6.28	55.22		231	-2.52	8
2013	1,291	1.10	565	-1.11	5.04	726	1.99	6.48	56.24		235	-1.21	4
2014	1,197	-0.25	487	-1.85	4.35	710	1.03	6.34	59.31		228	-1.12	4
2015	1,303	1.00	612	0.53	5.46	691	0.51	6.17	53.03		232	-0.66	4
2016	1,199	-0.25	535	-0.57	4.78	664	0.01	5.93	55.38	12	208	-1.79	4
2017	1,190	-1.23	523	-0.66	4.67	667	-1.37	5.96	56.05	52	239	0.25	4
2018	1,313	1.38	605	1.29	5.40	708	0.61	6.32	53.92	9	241	0.34	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

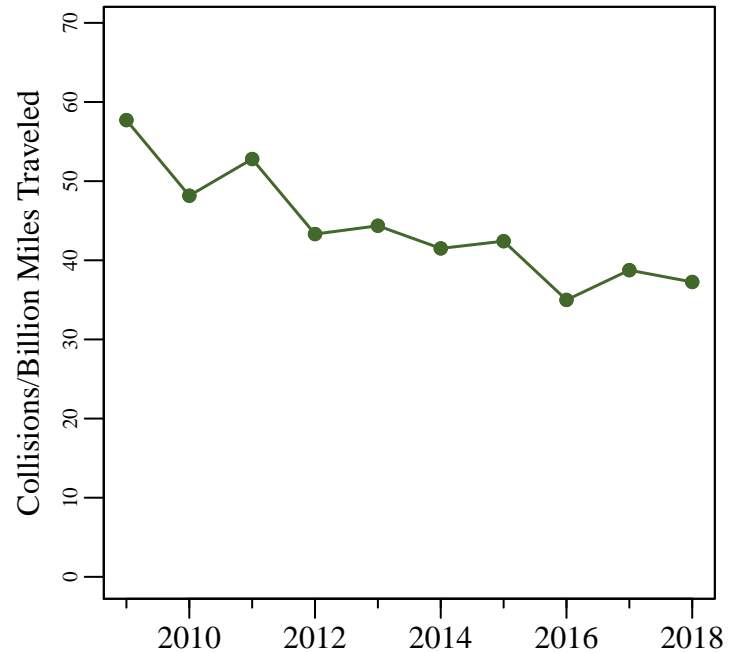


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Lake County

6/26/2019

Total Square Miles: 626  
 Square Miles of Deer Habitat: 112  
 Percent Deer Habitat: 18

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	913	431	463	19	0	300	478	95	32	5	2	0	0	1	0	0
2016	838	440	370	28	0	222	499	88	20	7	2	0	0	0	0	0
2017	822	436	364	22	0	215	484	83	30	8	2	0	0	0	0	0
2018	900	461	418	20	1	255	498	105	28	11	2	1	0	0	0	0

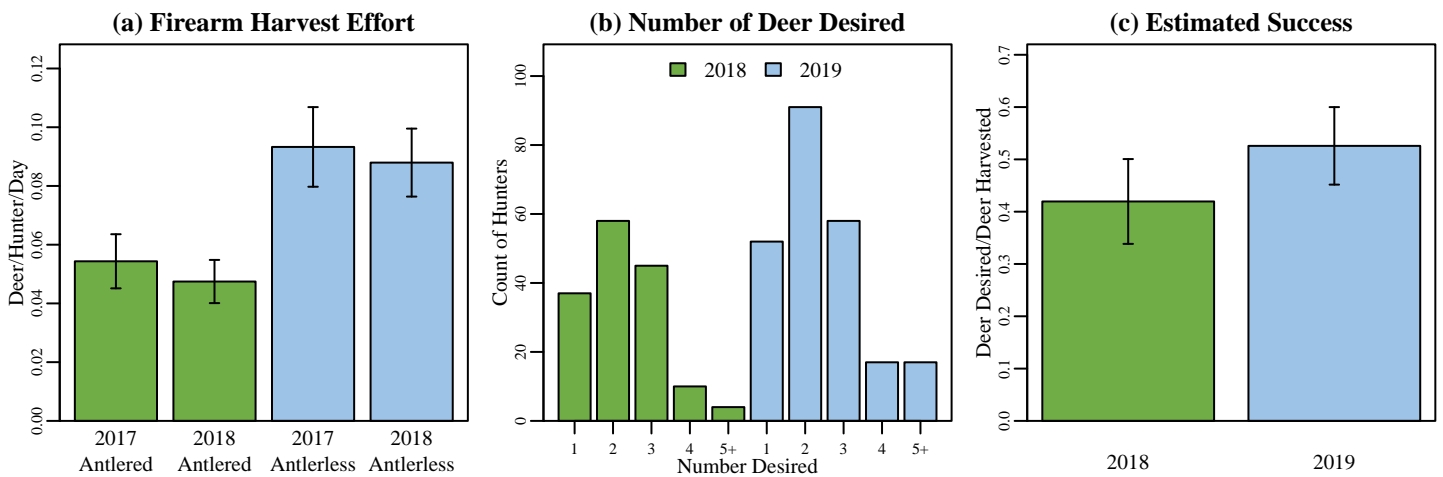
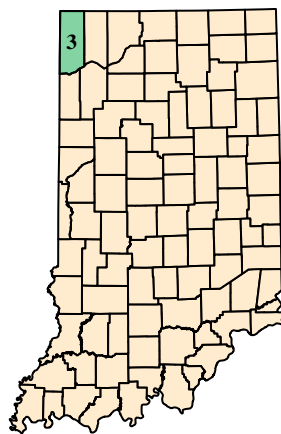


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Lake County Map



## (b) Deer Habitat in Lake County

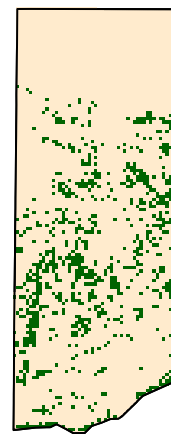


Figure 3. (a) Lake County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Lake County.

# Lake County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

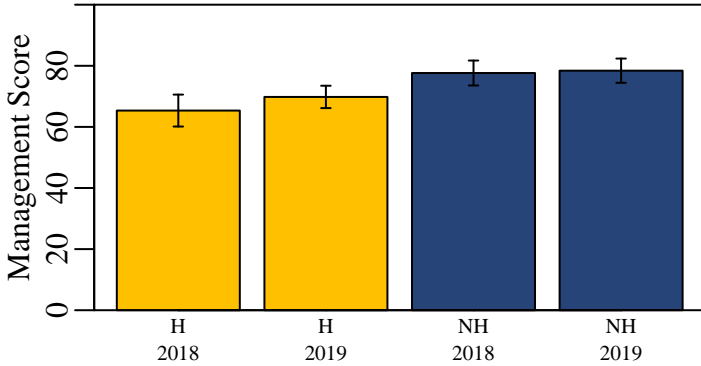


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

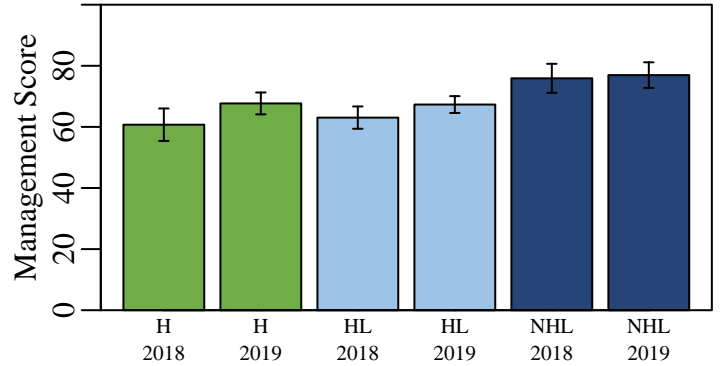


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

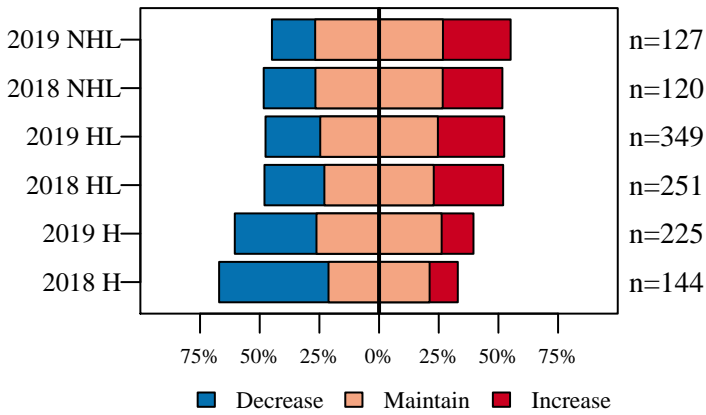


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

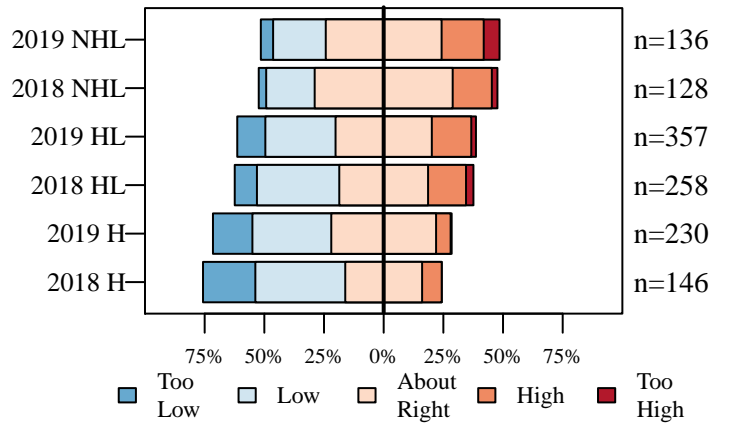


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

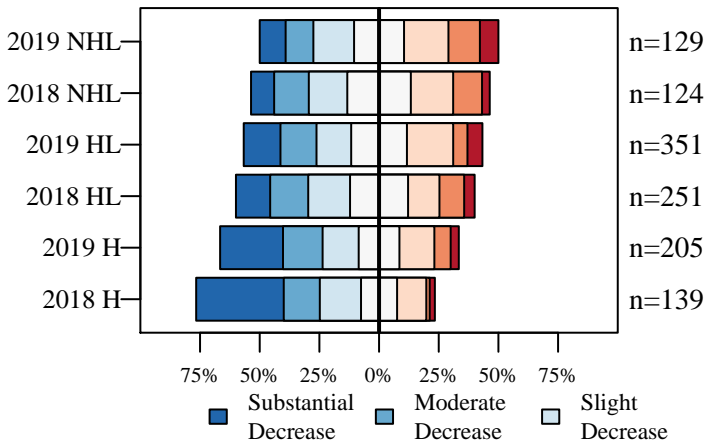


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

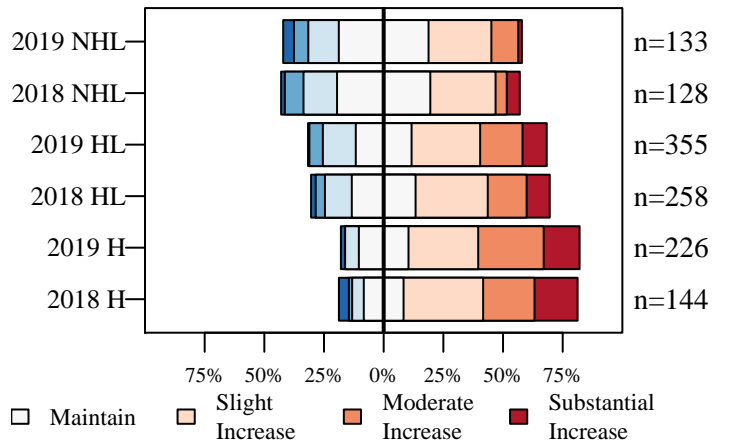


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Lake County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

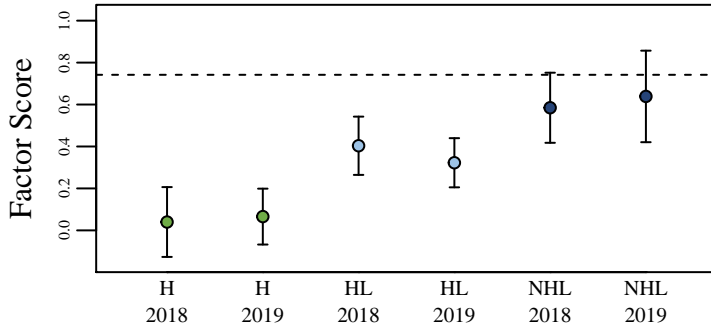


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

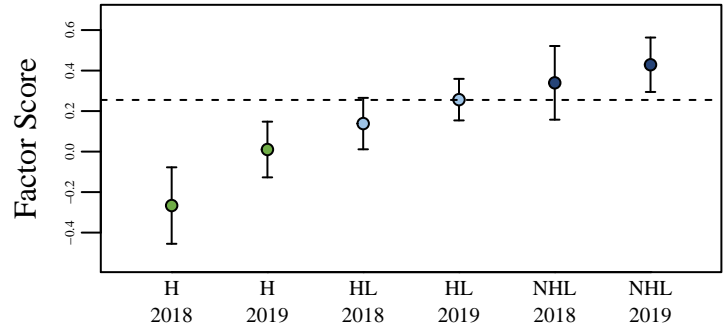


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

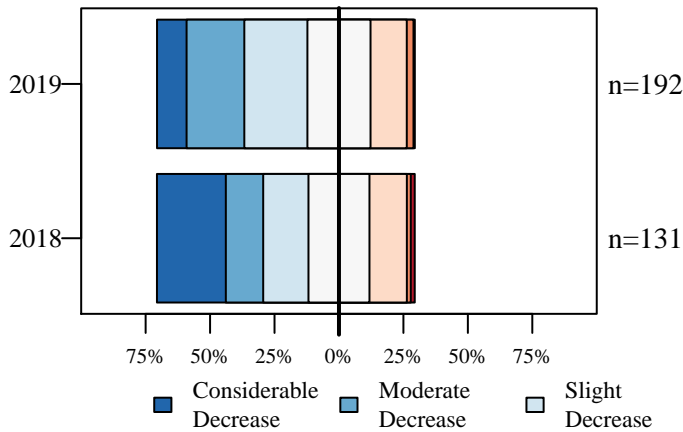


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

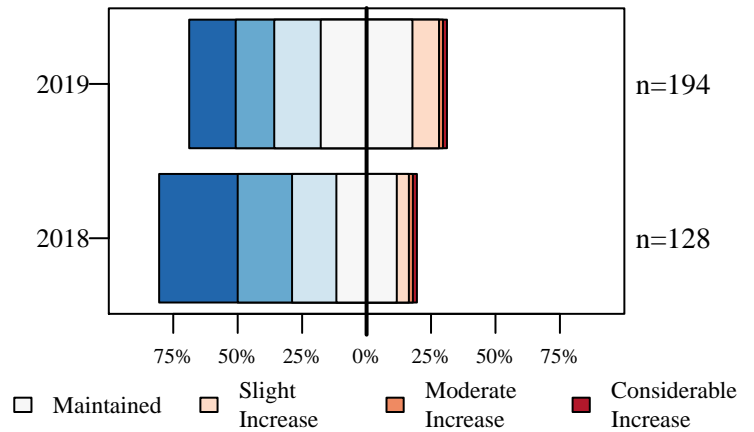


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

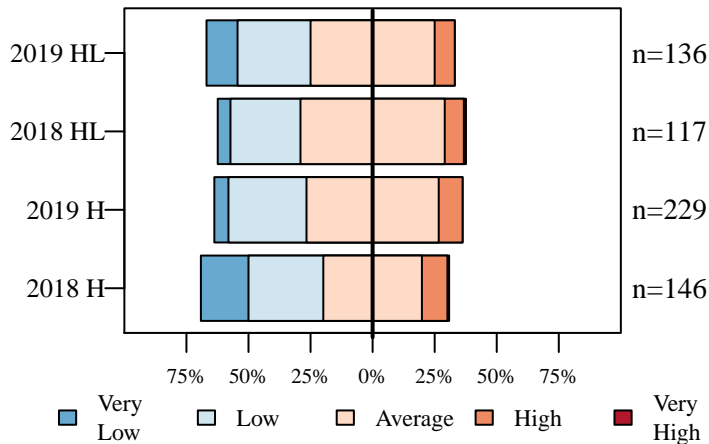


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

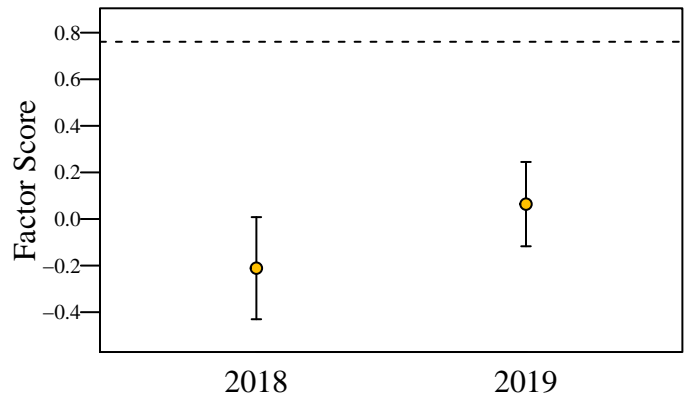


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# LaPorte County

6/26/2019

Total Square Miles: 613  
 Square Miles of Deer Habitat: 187  
 Percent Deer Habitat: 30

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,228		1,153		6.17	1,075		5.75	48.25		174		4
2006	2,372		1,068		5.71	1,304		6.97	54.97		131		8
2007	2,247		1,091		5.83	1,156		6.18	51.45		182		8
2008	2,488		1,197		6.40	1,291		6.90	51.89		147		8
2009	2,250		1,081		5.78	1,169		6.25	51.96		214		8
2010	2,209	-0.97	1,096	-0.40	5.86	1,113	-0.89	5.95	50.38		215	1.41	8
2011	1,829	-4.20	958	-2.88	5.12	871	-3.92	4.66	47.62		190	0.32	8
2012	1,846	-1.51	860	-2.64	4.60	986	-0.87	5.27	53.41		199	0.34	4
2013	1,666	-1.62	834	-1.56	4.46	832	-1.56	4.45	49.94		192	-0.04	4
2014	1,666	-1.15	844	-1.00	4.51	822	-1.17	4.40	49.34		249	3.95	4
2015	1,716	-0.57	920	0.01	4.92	796	-1.04	4.26	46.39		305	3.93	4
2016	1,712	-0.37	856	-0.51	4.58	856	-0.07	4.58	50.00	10	310	1.66	4
2017	1,601	-1.63	765	-2.91	4.09	836	-0.30	4.47	52.22	47	325	1.50	4
2018	1,733	1.31	901	1.03	4.82	832	0.16	4.45	48.01	14	339	1.43	3

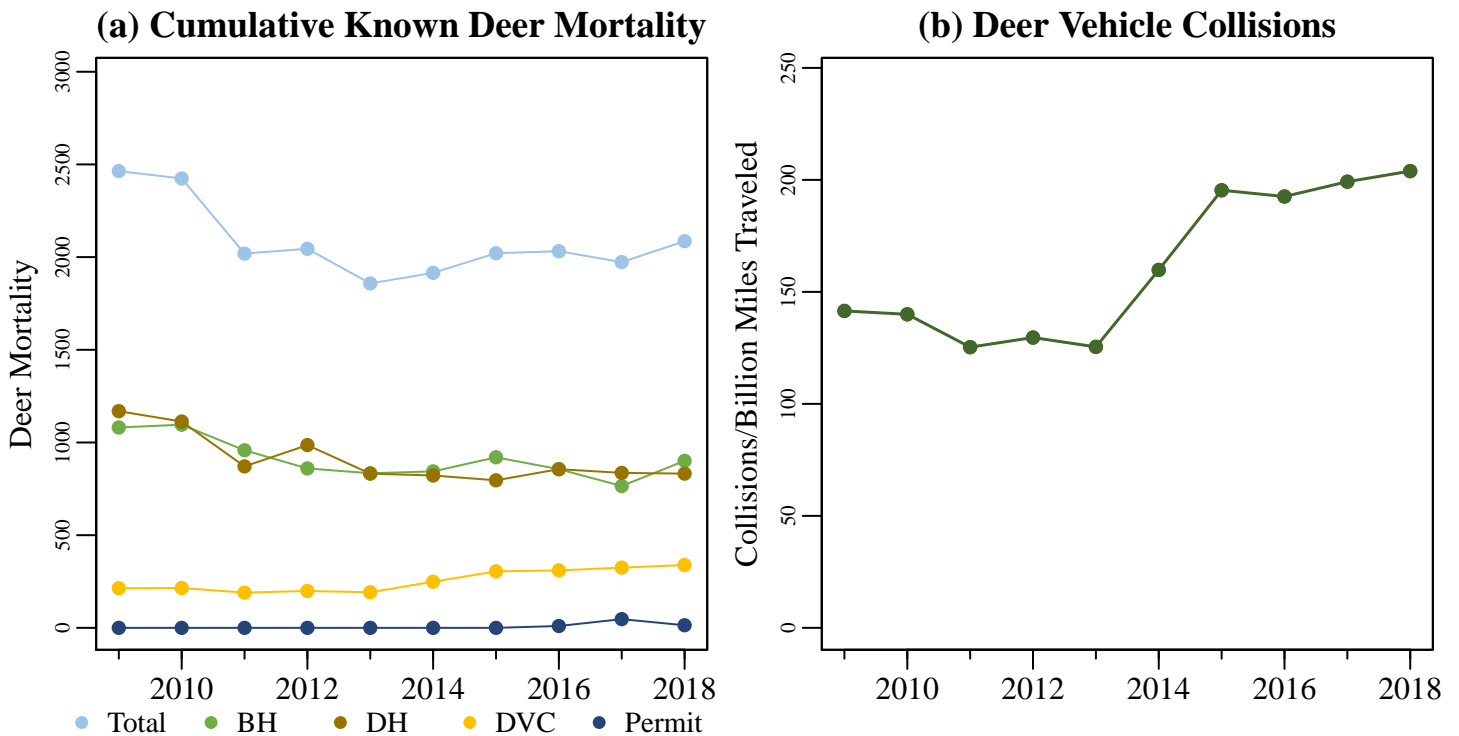


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# LaPorte County

6/26/2019

Total Square Miles: 613  
 Square Miles of Deer Habitat: 187  
 Percent Deer Habitat: 30

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,304	552	750	2	0	559	571	135	35	4	0	0	0	0	0	0
2016	1,288	607	680	1	0	493	607	155	24	5	3	1	0	0	0	0
2017	1,172	586	579	6	1	407	586	137	27	10	4	1	0	0	0	0
2018	1,271	552	709	10	0	526	558	139	37	4	3	2	2	0	0	0

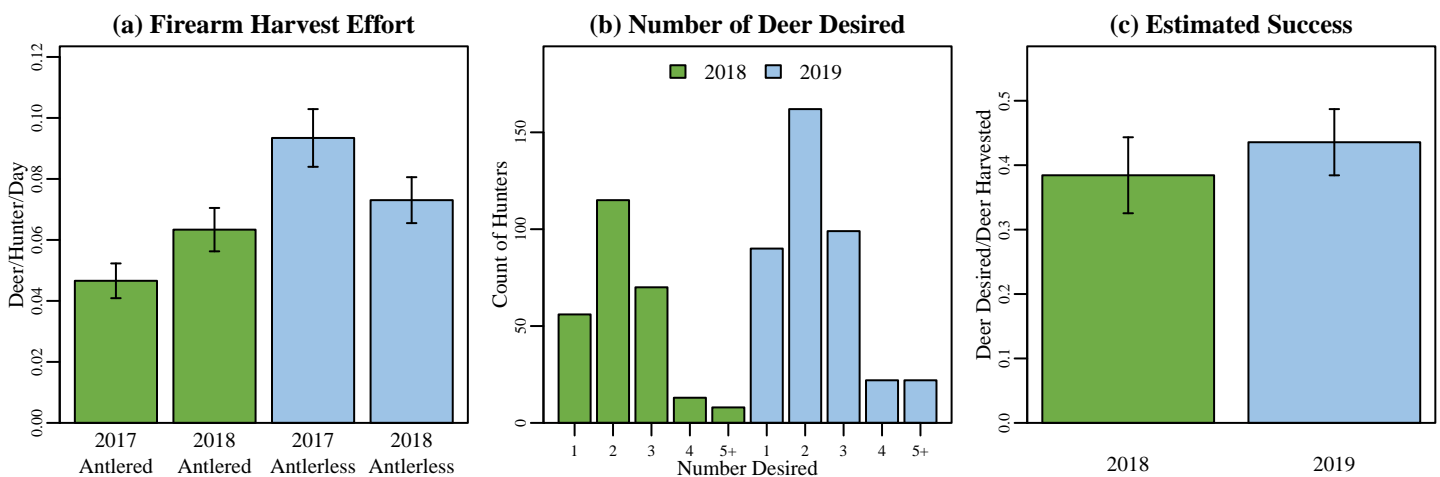
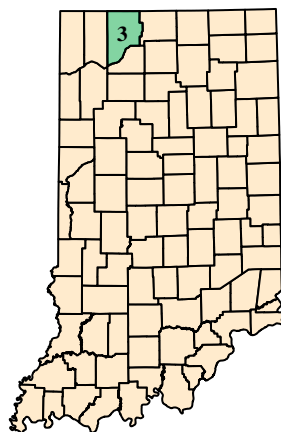


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) LaPorte County Map



## (b) Deer Habitat in LaPorte County

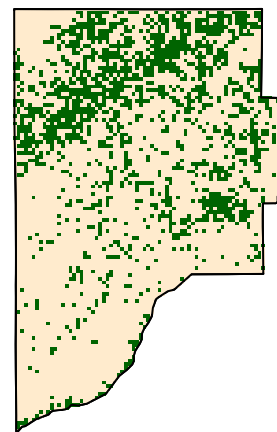


Figure 3. (a) LaPorte County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in LaPorte County.

# LaPorte County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

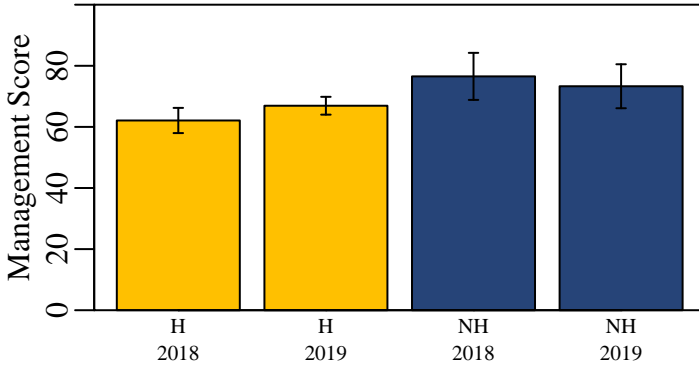


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

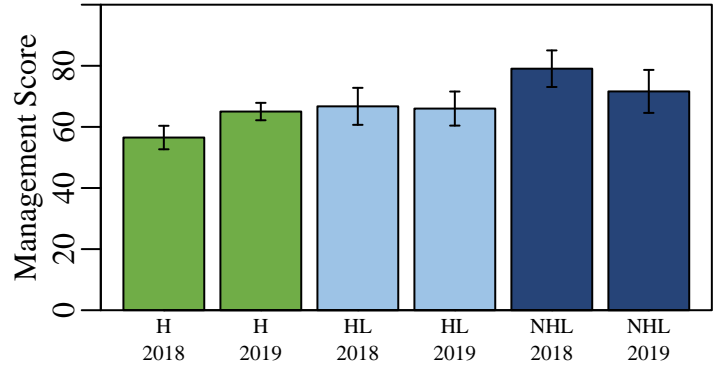


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

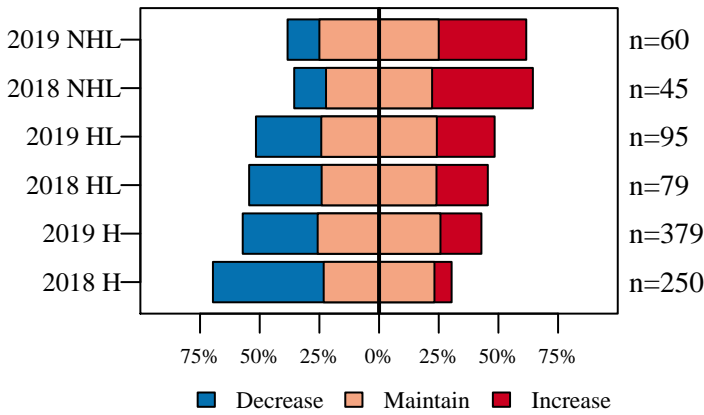


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

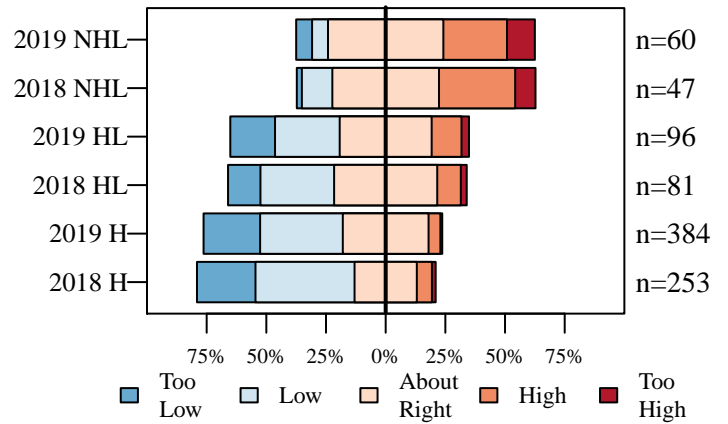


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

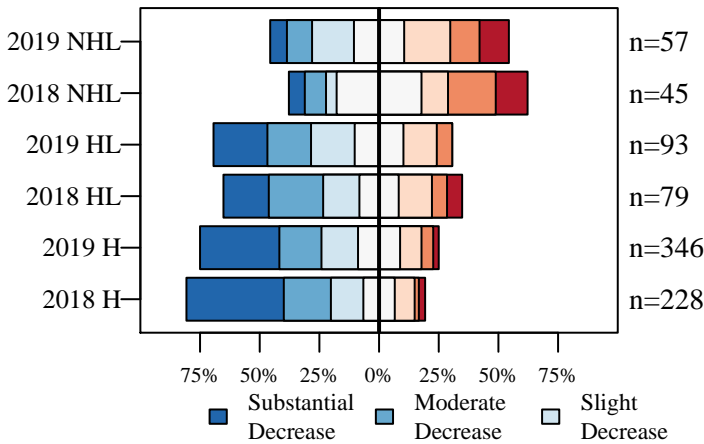


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

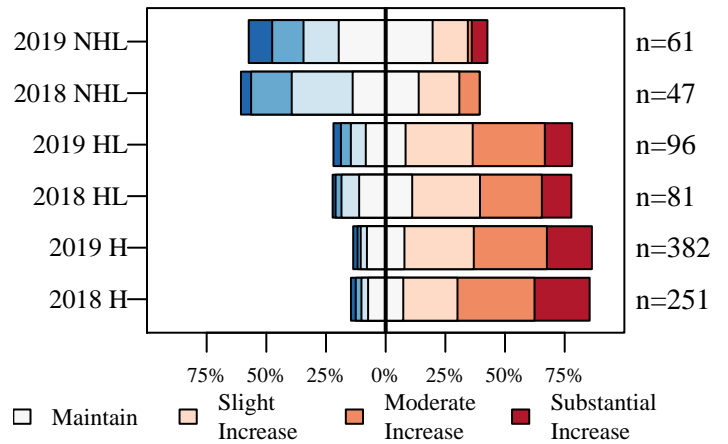


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# LaPorte County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

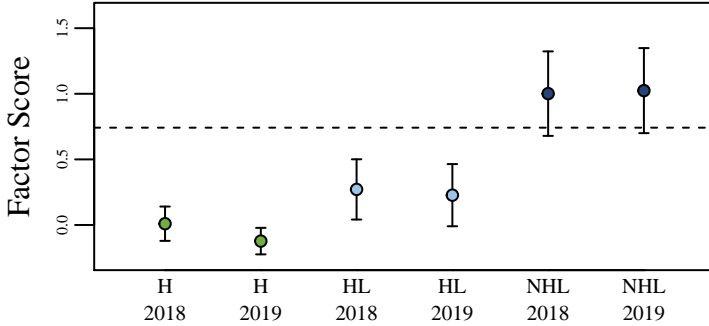


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

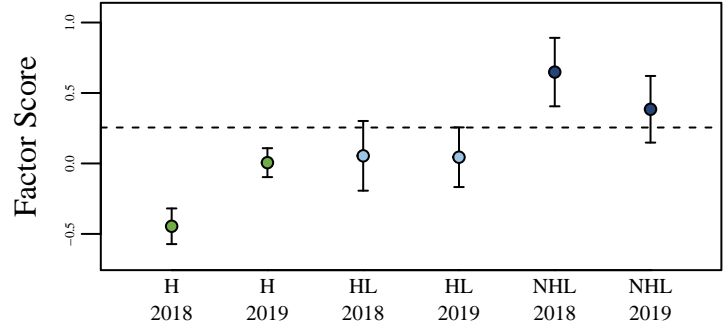


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

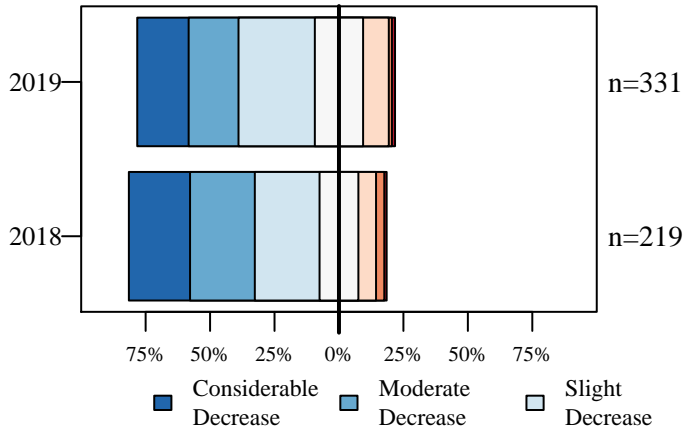


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

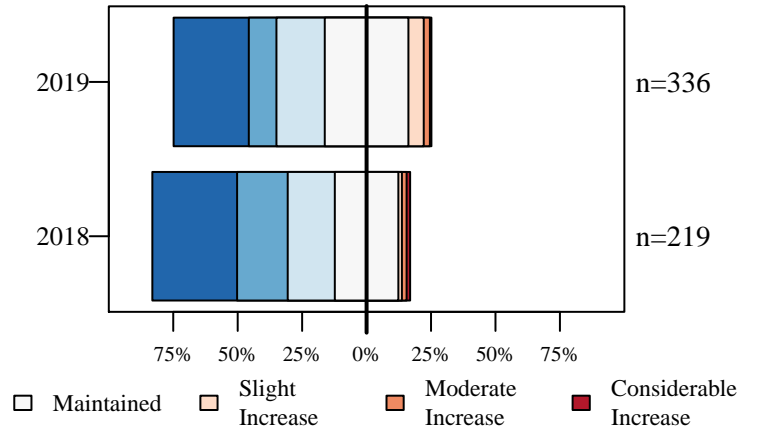


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

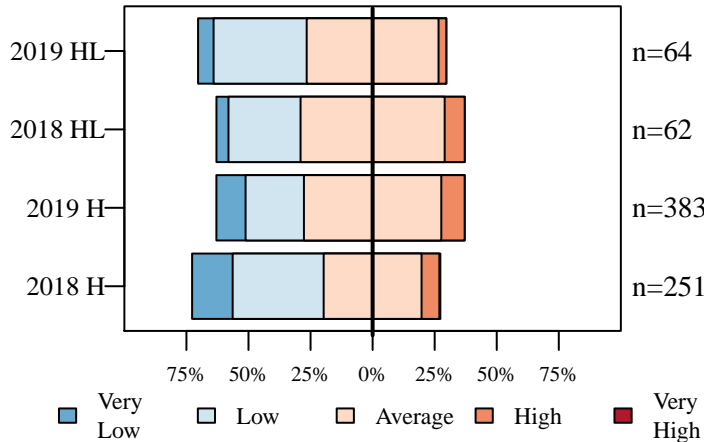


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

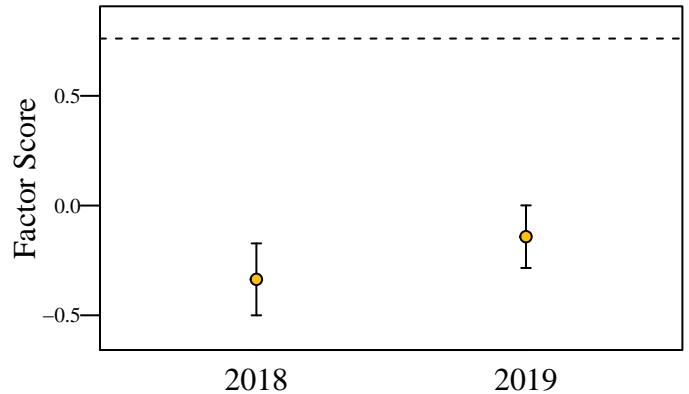


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Lawrence County

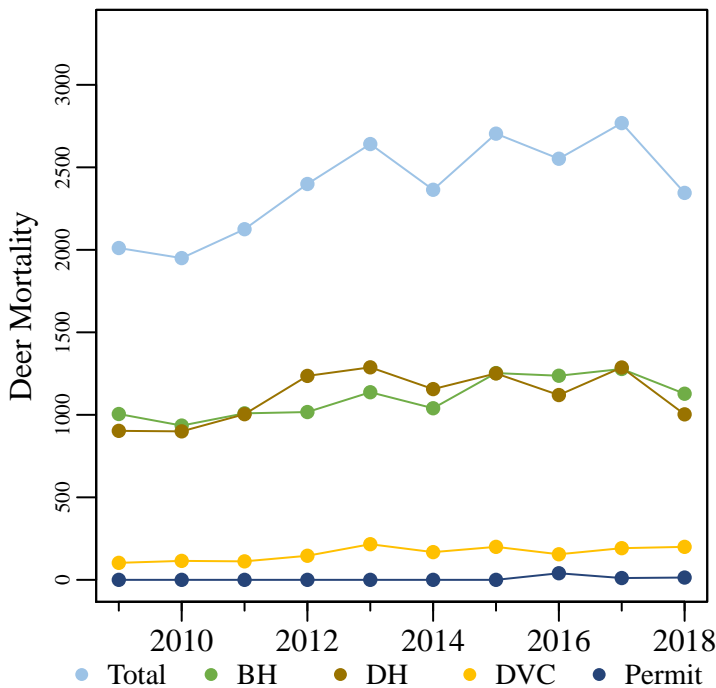
6/26/2019

Total Square Miles: 452  
 Square Miles of Deer Habitat: 362  
 Percent Deer Habitat: 79

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,615		858		2.37	757		2.09	46.87		65		2
2006	1,778		990		2.73	788		2.18	44.32		119		2
2007	1,916		929		2.57	987		2.73	51.51		107		3
2008	1,908		964		2.66	944		2.61	49.48		88		3
2009	1,908		1,005		2.78	903		2.49	47.33		103		3
2010	1,835	0.08	935	-0.24	2.58	900	0.24	2.49	49.05		115	0.90	4
2011	2,013	2.38	1,009	1.34	2.79	1,004	1.34	2.77	49.88		112	0.46	4
2012	2,253	5.31	1,017	1.29	2.81	1,236	6.08	3.41	54.86		146	3.88	4
2013	2,425	2.70	1,137	4.30	3.14	1,288	2.08	3.56	53.11		216	4.84	4
2014	2,196	0.44	1,040	0.27	2.87	1,156	0.49	3.19	52.64		168	0.64	8
2015	2,504	1.58	1,253	3.10	3.46	1,251	0.83	3.46	49.96		200	1.13	8
2016	2,357	0.41	1,237	1.40	3.42	1,120	-0.59	3.09	47.52	40	155	-0.32	8
2017	2,565	1.74	1,278	1.30	3.53	1,287	1.10	3.56	50.18	11	192	0.69	8
2018	2,131	-1.95	1,128	-0.62	3.12	1,003	-2.80	2.77	47.07	14	200	0.84	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

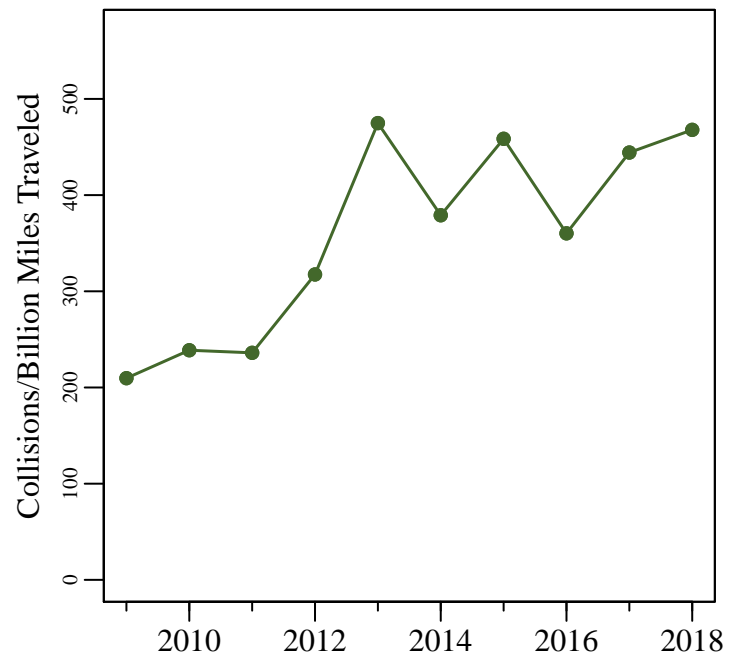


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Lawrence County

6/26/2019

Total Square Miles: 452  
 Square Miles of Deer Habitat: 362  
 Percent Deer Habitat: 79

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,761	790	965	6	0	672	797	200	62	17	8	0	4	1	0	0
2016	1,695	683	1,006	6	0	733	713	172	43	24	8	0	1	0	0	1
2017	1,761	790	962	9	0	681	752	228	55	28	10	2	3	1	1	0
2018	1,514	625	887	2	0	619	628	208	42	15	2	0	0	0	0	0

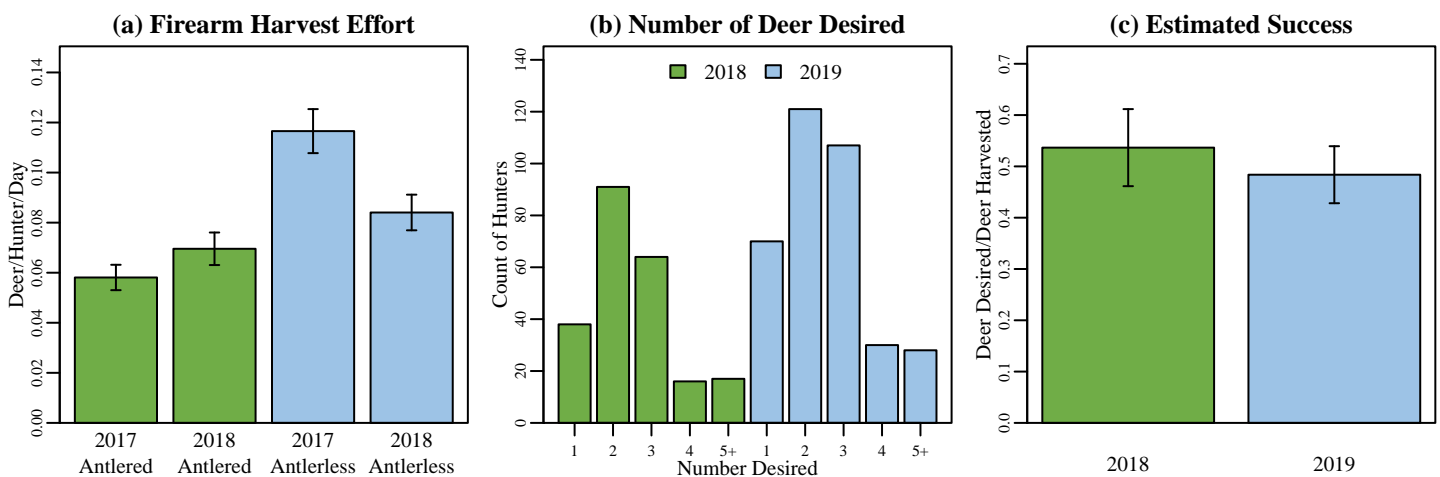


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Lawrence County Map



## (b) Deer Habitat in Lawrence County

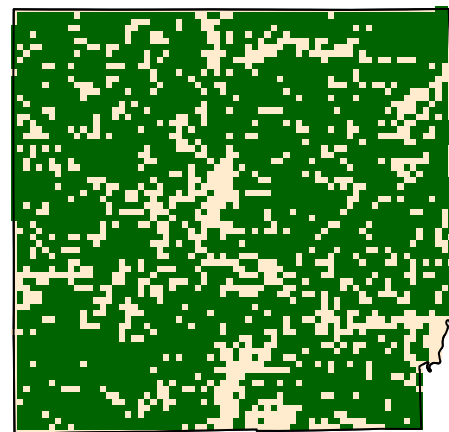


Figure 3. (a) Lawrence County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Lawrence County.

# Lawrence County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

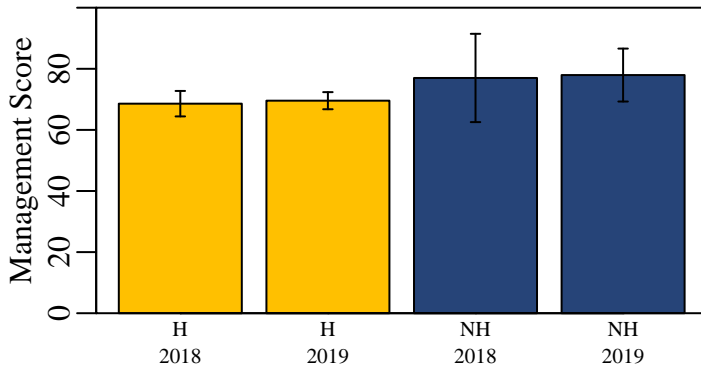


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

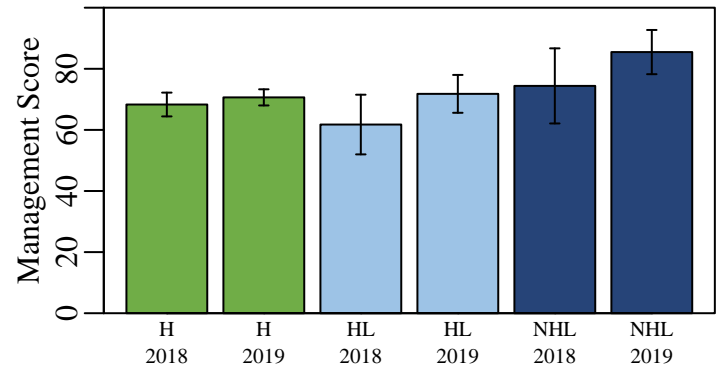


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

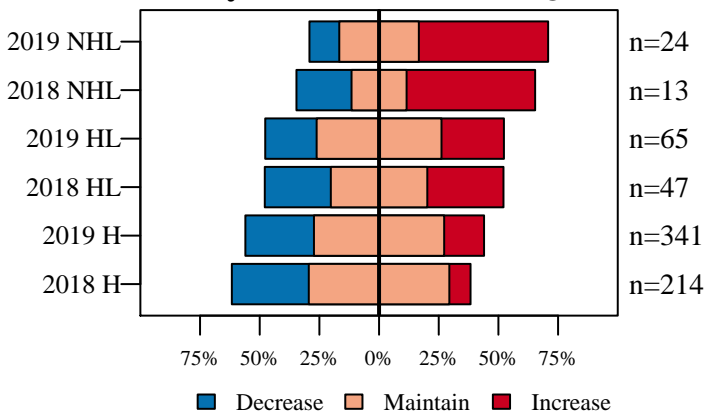


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

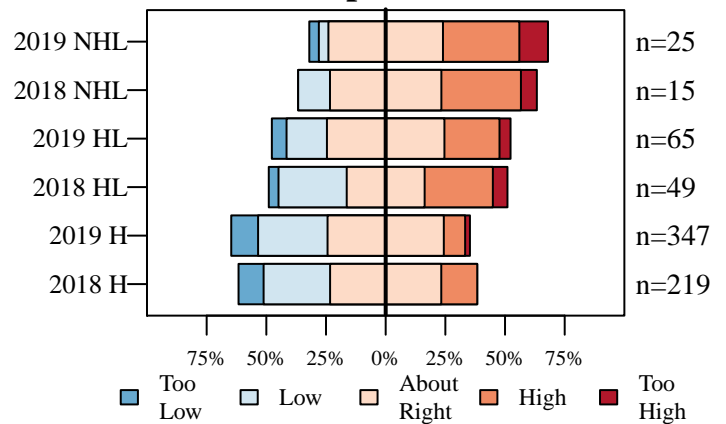


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

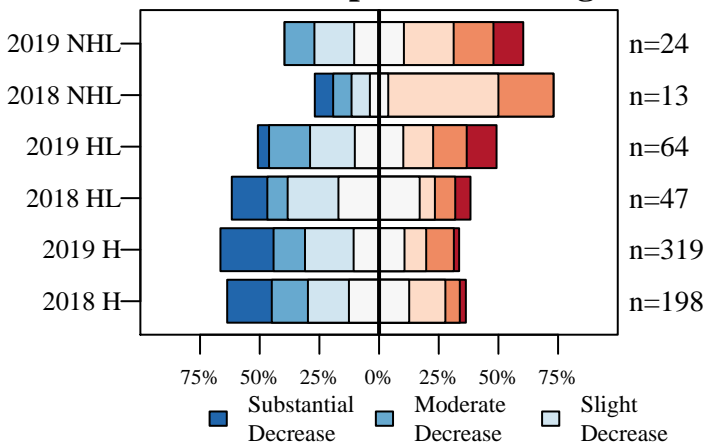


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

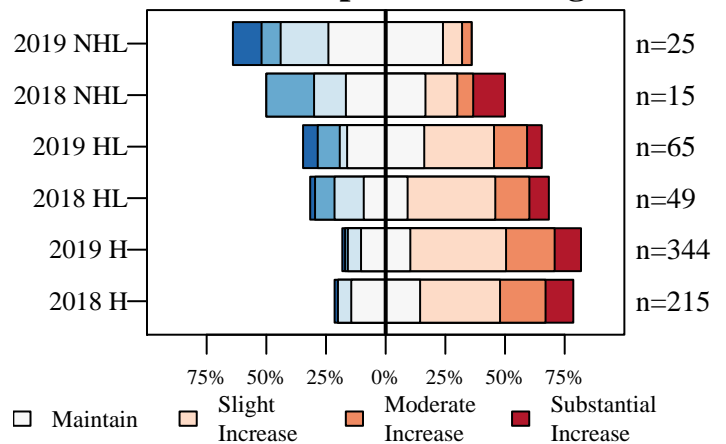


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Lawrence County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

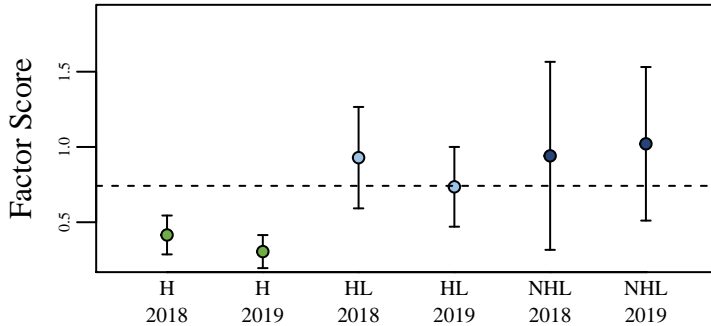


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

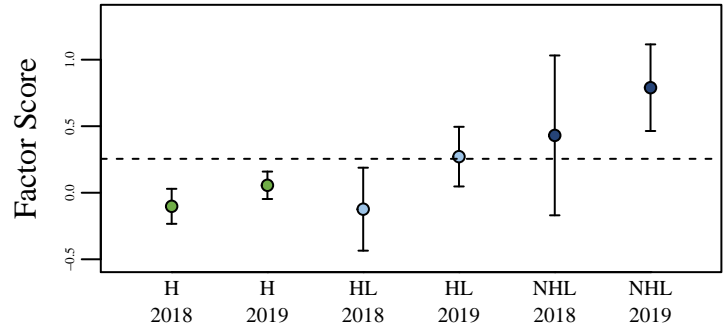


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

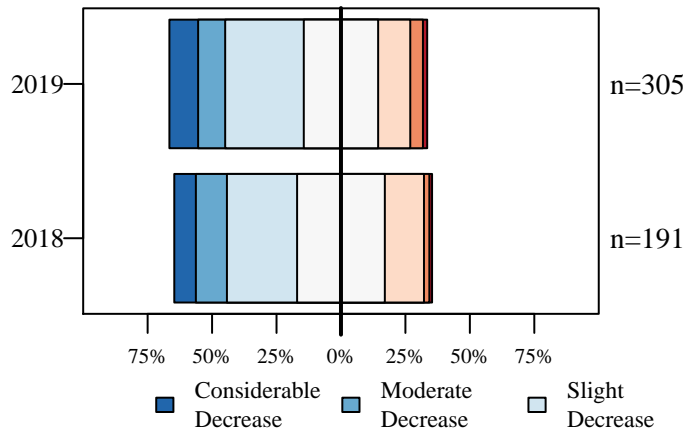


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

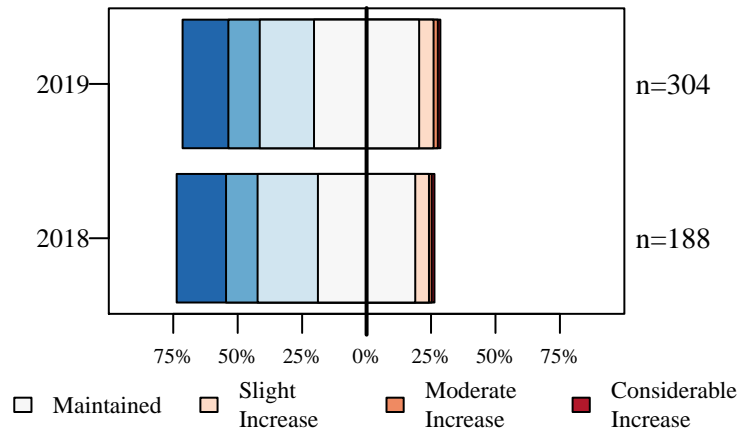


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

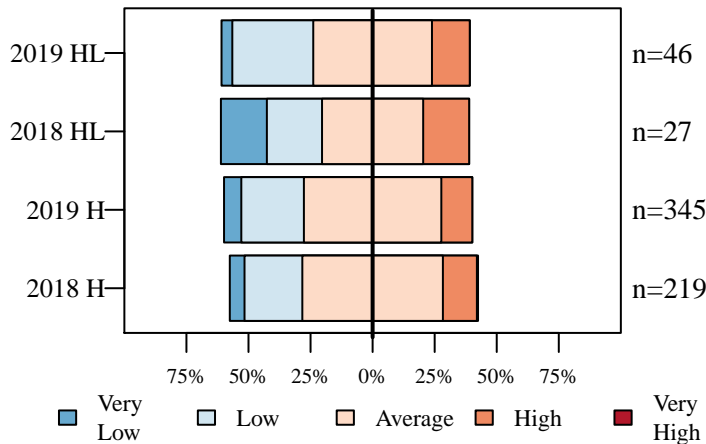


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

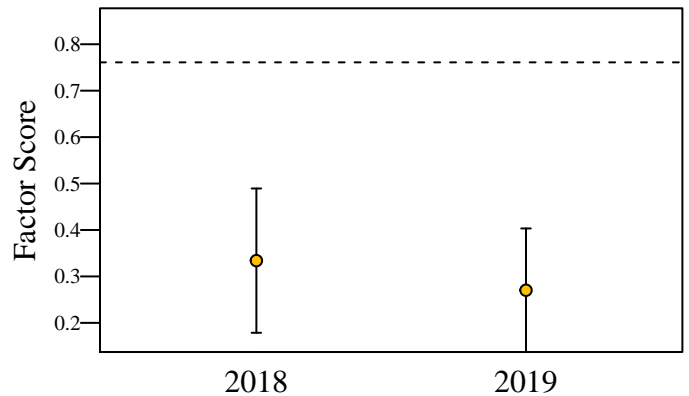


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Madison County

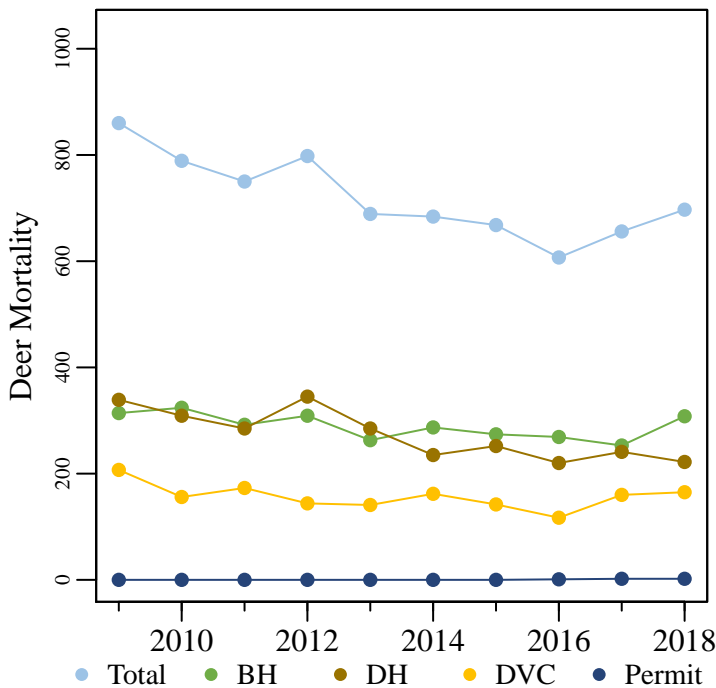
6/26/2019

Total Square Miles: 453  
 Square Miles of Deer Habitat: 45  
 Percent Deer Habitat: 10

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	538		279		6.20	259		5.76	48.14		161		4
2006	534		272		6.04	262		5.82	49.06		185		4
2007	617		326		7.24	291		6.47	47.16		163		4
2008	604		290		6.44	314		6.98	51.99		210		8
2009	653		314		6.98	339		7.53	51.91		207		8
2010	633	0.85	324	1.21	7.20	309	0.47	6.87	48.82		156	-1.25	8
2011	577	-0.69	292	-0.56	6.49	285	-0.63	6.33	49.39		173	-0.45	8
2012	654	1.29	309	-0.01	6.87	345	1.76	7.67	52.75		144	-1.50	4
2013	548	-2.29	263	-2.94	5.84	285	-1.38	6.33	52.01		141	-1.25	4
2014	522	-1.90	287	-0.56	6.38	235	-2.71	5.22	45.02		162	-0.08	4
2015	526	-1.09	274	-0.91	6.09	252	-0.99	5.60	47.91		142	-1.00	4
2016	489	-1.41	269	-0.91	5.98	220	-1.44	4.89	44.99	1	117	-2.46	4
2017	494	-0.85	253	-1.50	5.62	241	-0.53	5.36	48.79	2	160	0.70	3
2018	530	0.58	308	3.07	6.84	222	-1.01	4.93	41.89	2	165	0.90	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

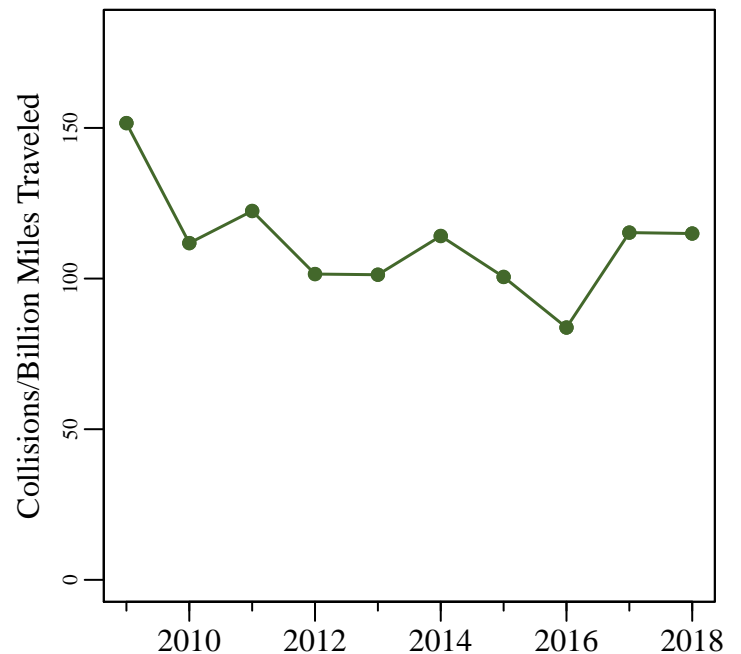


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Madison County

6/26/2019

Total Square Miles: 453  
 Square Miles of Deer Habitat: 45  
 Percent Deer Habitat: 10

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	422	223	199	0	0	156	213	45	8	0	0	0	0	0	0	0
2016	400	202	198	0	0	161	193	41	4	1	0	0	0	0	0	0
2017	405	219	185	1	0	149	212	37	7	0	0	0	0	0	0	0
2018	424	179	245	0	0	188	195	34	6	1	0	0	0	0	0	0

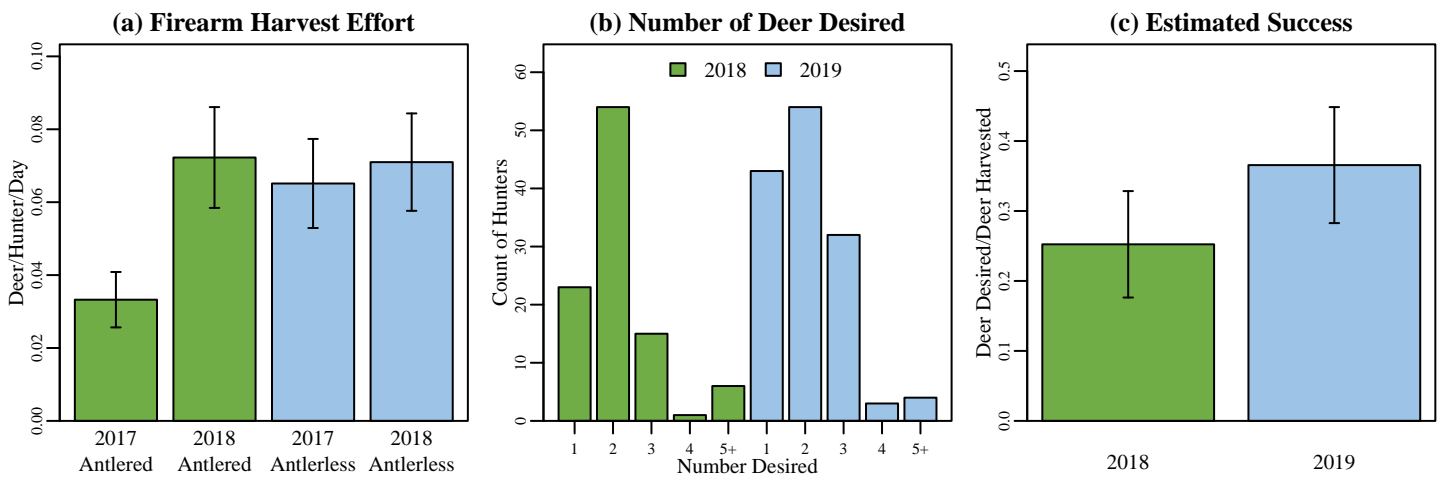
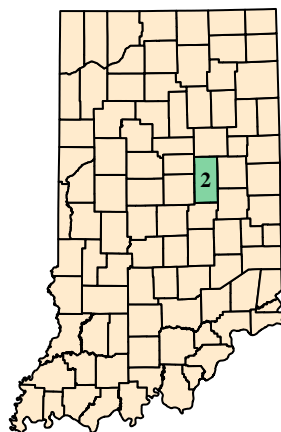


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Madison County Map



## (b) Deer Habitat in Madison County

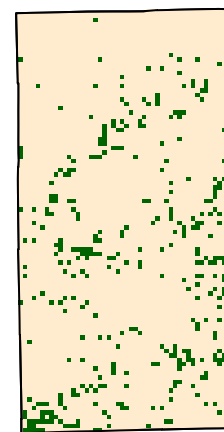


Figure 3. (a) Madison County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Madison County.

# Madison County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

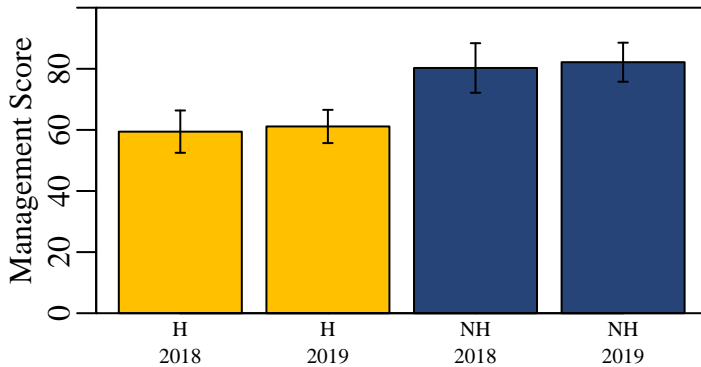


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

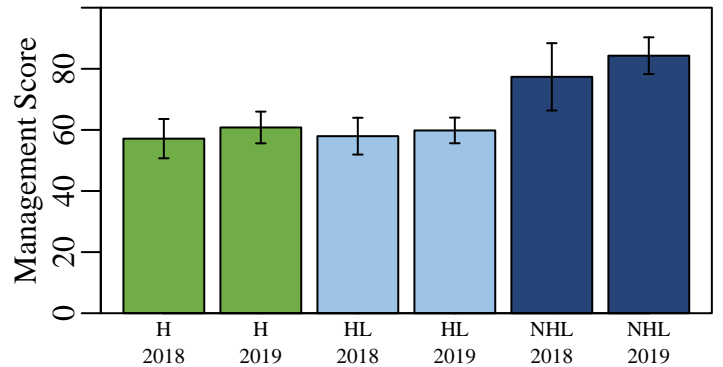


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

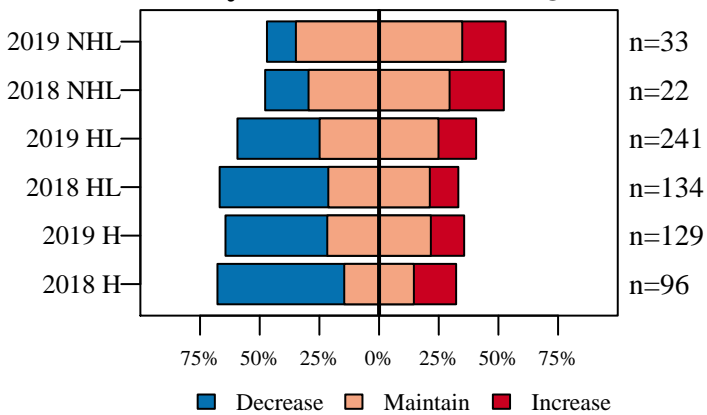


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

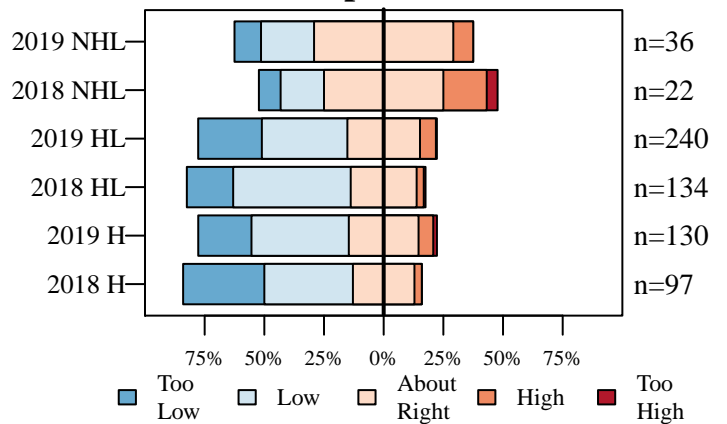


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

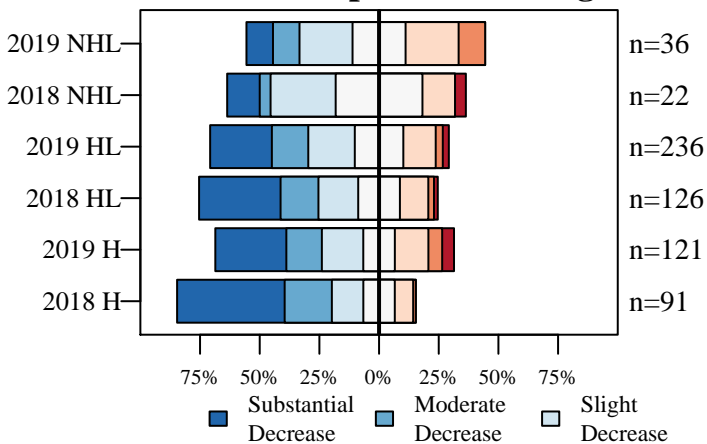


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

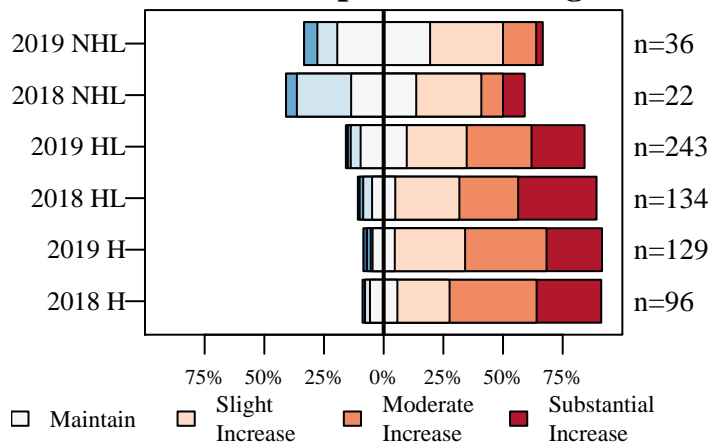


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Madison County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

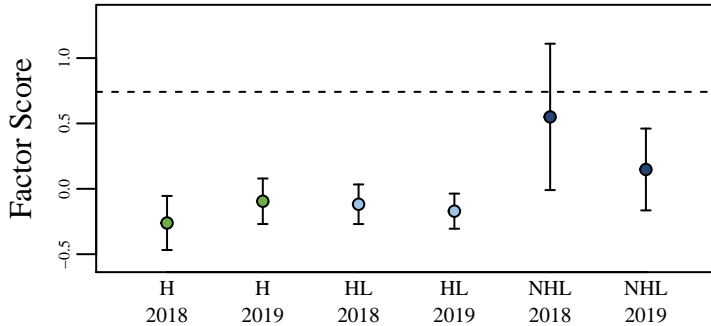


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

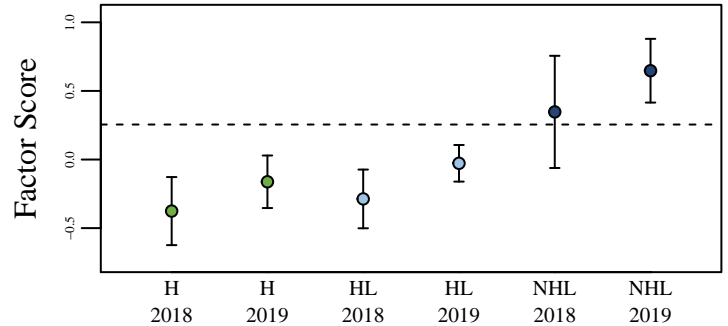


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

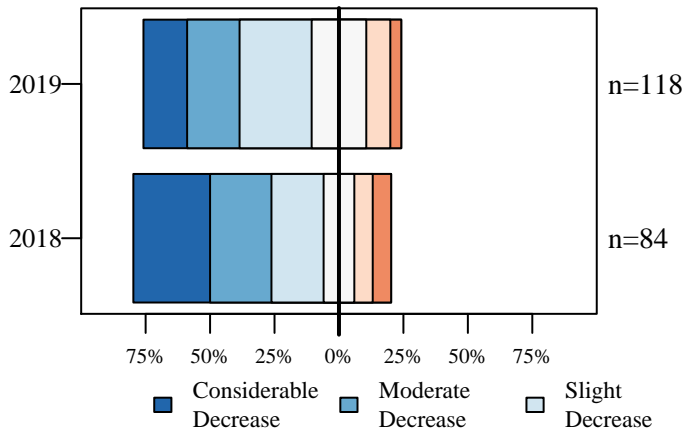


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

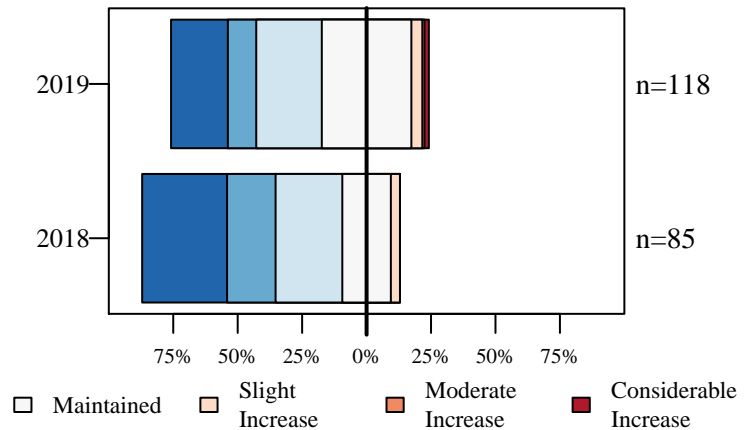


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

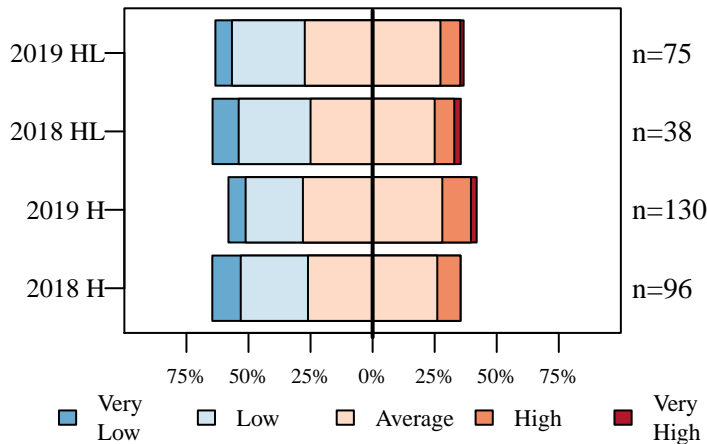


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

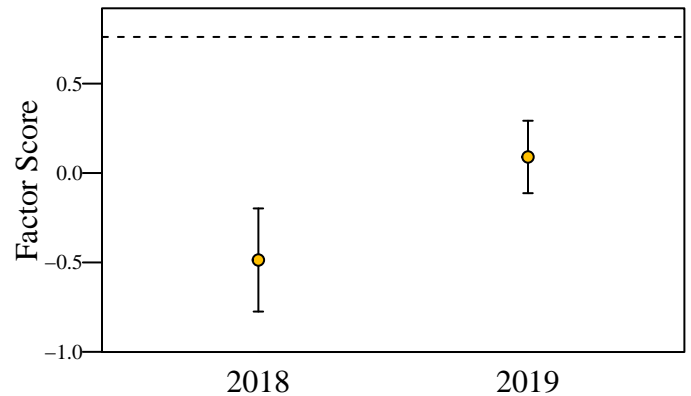


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Marion County

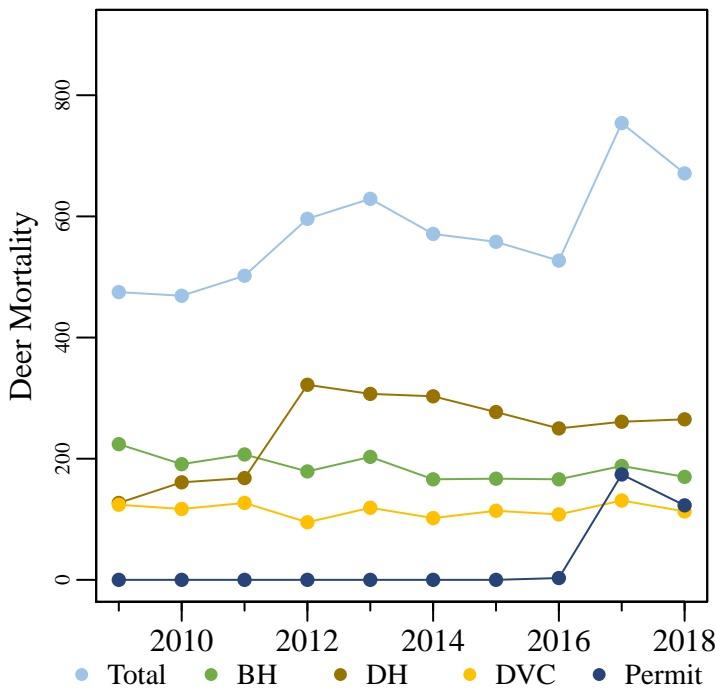
6/26/2019

Total Square Miles: 403  
 Square Miles of Deer Habitat: 35  
 Percent Deer Habitat: 9

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	201		125		3.57	76		2.17	37.81		144		4
2006	264		162		4.63	102		2.91	38.64		134		8
2007	324		208		5.94	116		3.31	35.80		94		8
2008	328		192		5.49	136		3.89	41.46		113		8
2009	351		224		6.40	127		3.63	36.18		124		8
2010	352	0.96	191	0.22	5.46	161	2.11	4.60	45.74		117	-0.25	8
2011	375	1.43	207	0.50	5.91	168	1.78	4.80	44.80		127	0.71	8
2012	501	7.50	179	-1.87	5.11	322	8.12	9.20	64.27		95	-1.54	8
2013	510	1.87	203	0.25	5.80	307	1.56	8.77	60.20		119	0.30	8
2014	469	0.63	166	-2.05	4.74	303	0.95	8.66	64.61		102	-1.14	8
2015	444	0.04	167	-1.31	4.77	277	0.31	7.91	62.39		114	0.15	8
2016	416	-0.81	166	-0.94	4.74	250	-0.41	7.14	60.10	3	108	-0.26	8
2017	449	-0.49	188	0.74	5.37	261	-1.08	7.46	58.13	174	131	1.74	8
2018	435	-0.65	170	-0.48	4.86	265	-0.58	7.57	60.92	123	113	-0.05	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

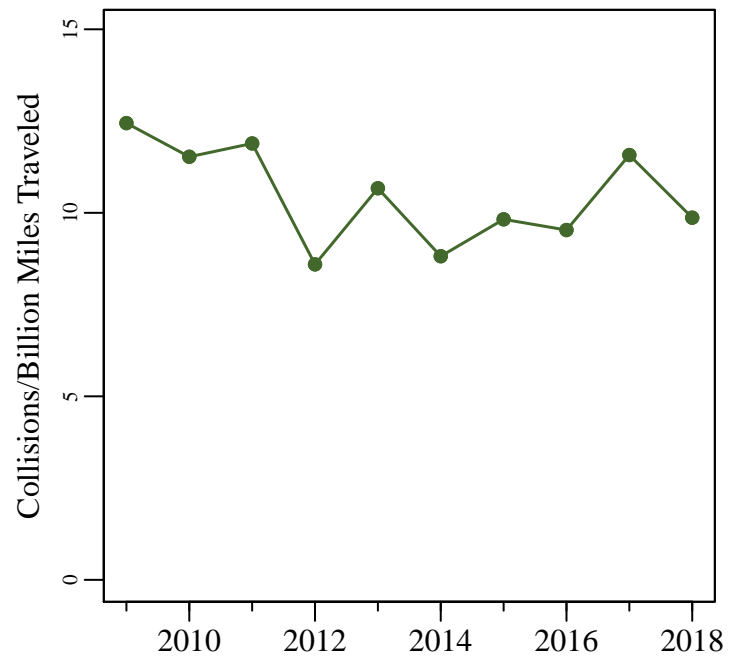


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Marion County

6/26/2019

Total Square Miles: 403  
 Square Miles of Deer Habitat: 35  
 Percent Deer Habitat: 9

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	327	220	97	10	0	53	232	36	4	0	1	1	0	0	0	0
2016	313	182	127	4	0	71	211	24	6	1	0	0	0	0	0	0
2017	316	187	119	10	0	65	206	35	8	0	2	0	0	0	0	0
2018	303	179	120	4	0	63	188	40	10	1	1	0	0	0	0	0

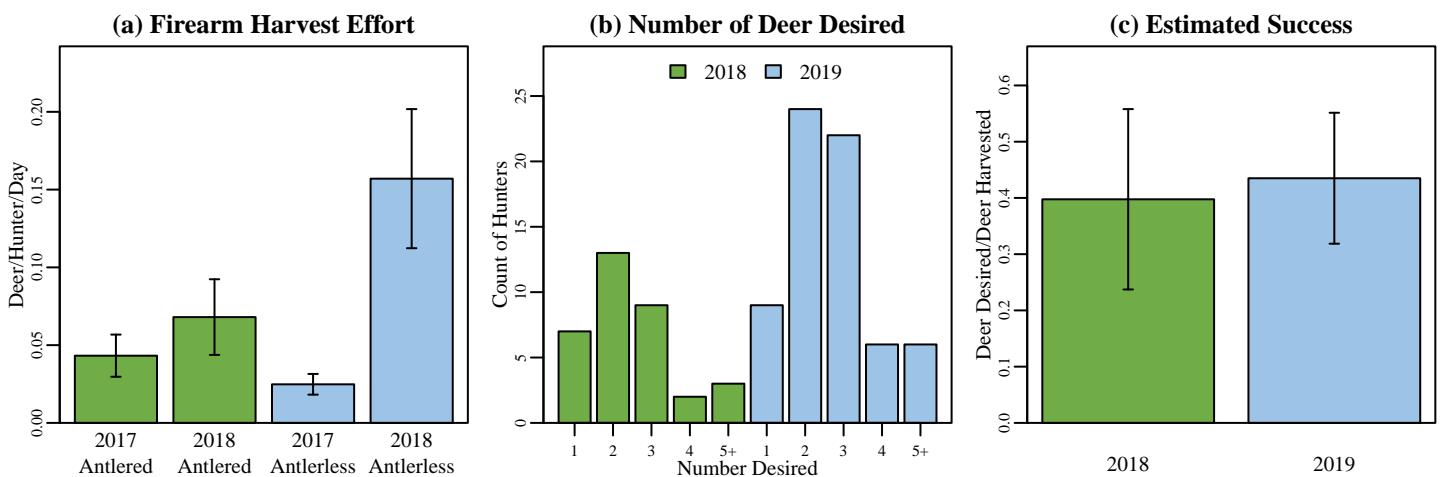
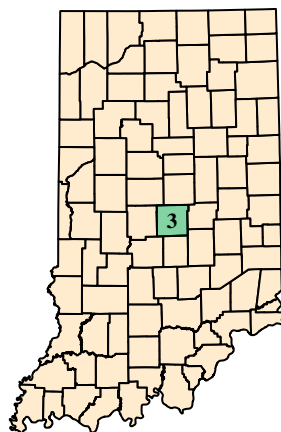


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Marion County Map



## (b) Deer Habitat in Marion County

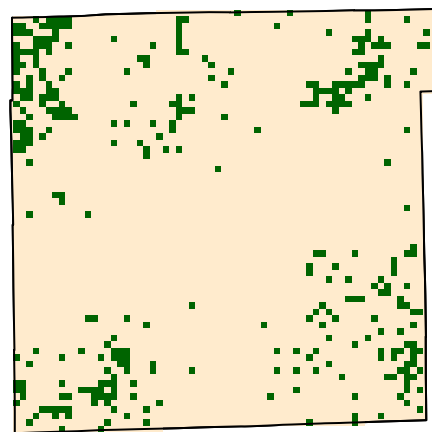


Figure 3. (a) Marion County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Marion County.

# Marion County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

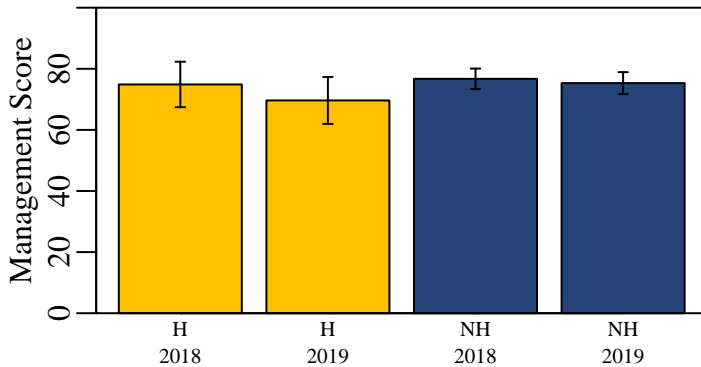


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

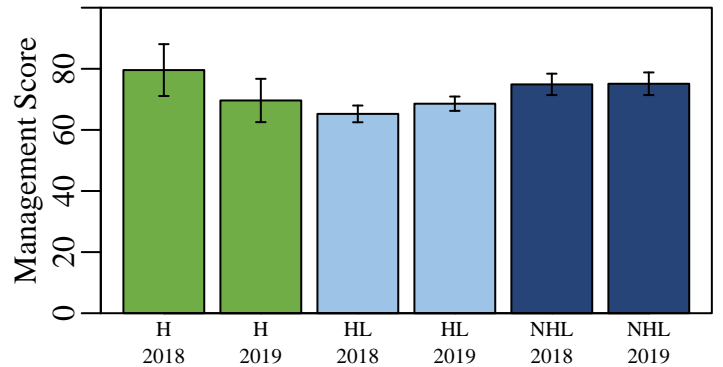


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

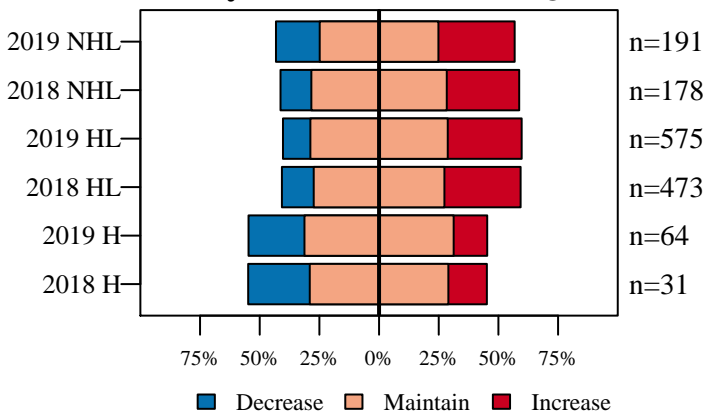


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

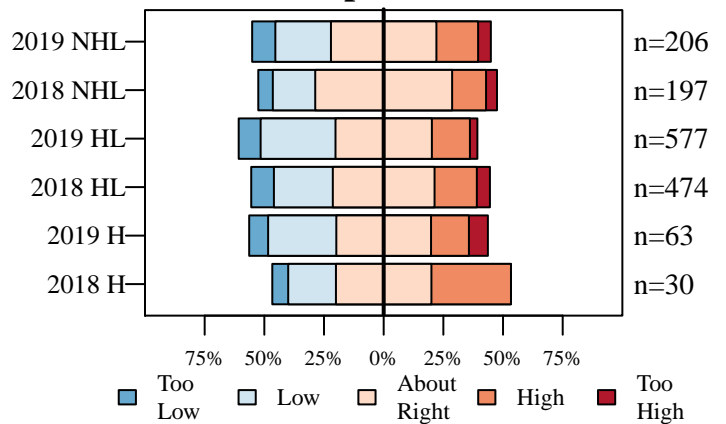


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

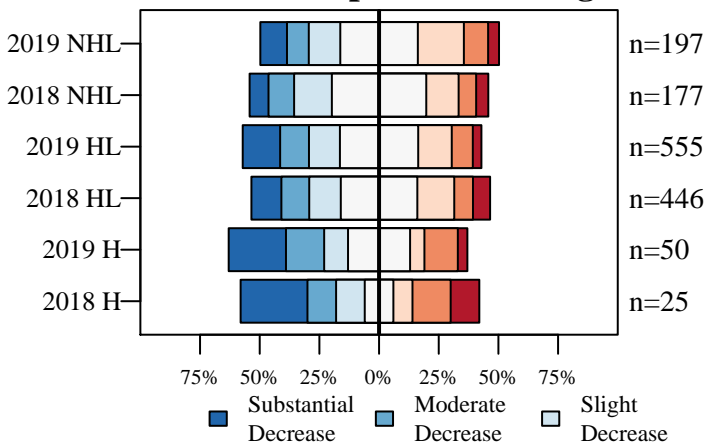


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

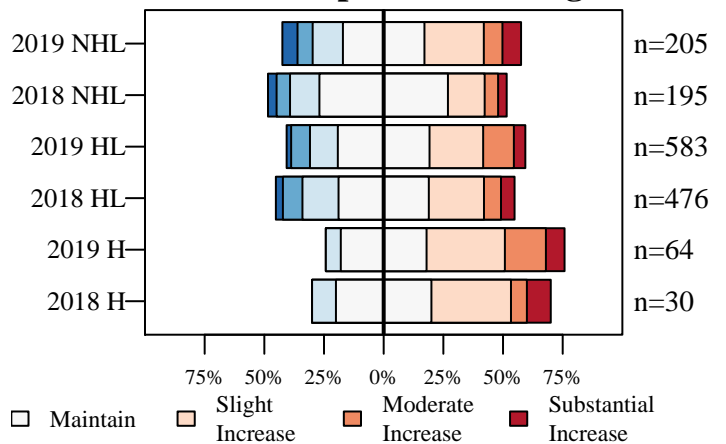


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Marion County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

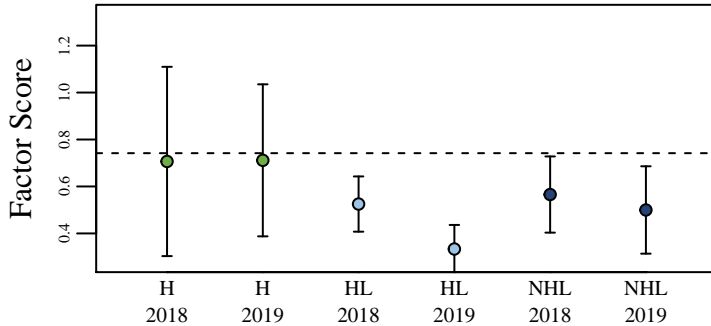


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

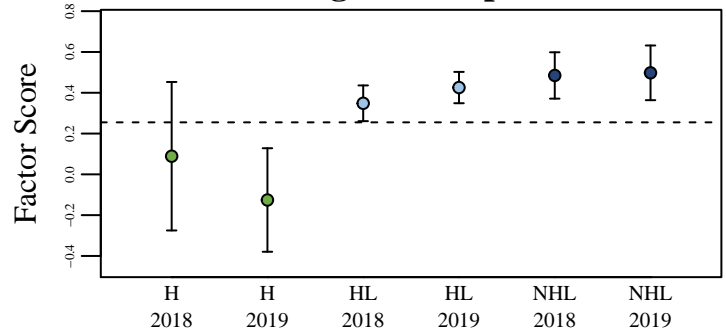


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

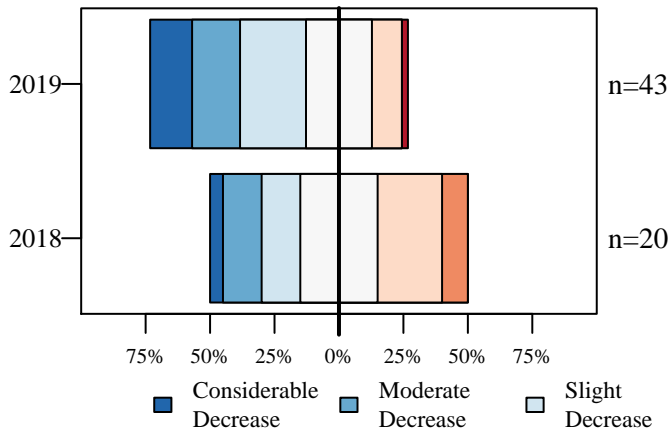


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

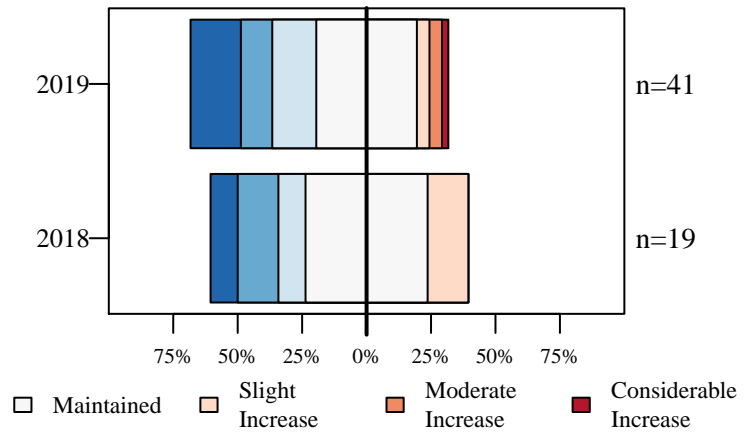


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

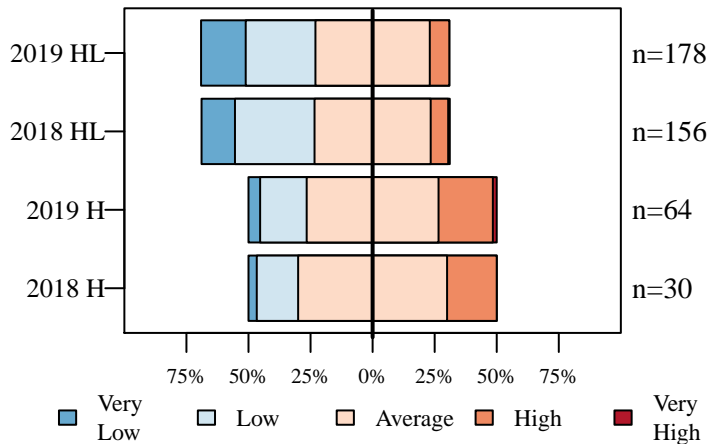


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

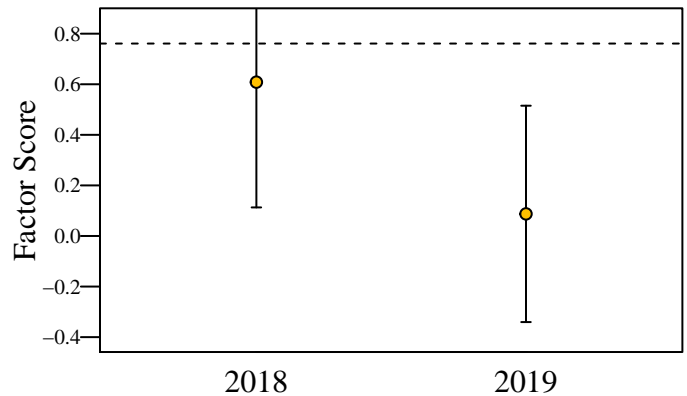


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Marshall County

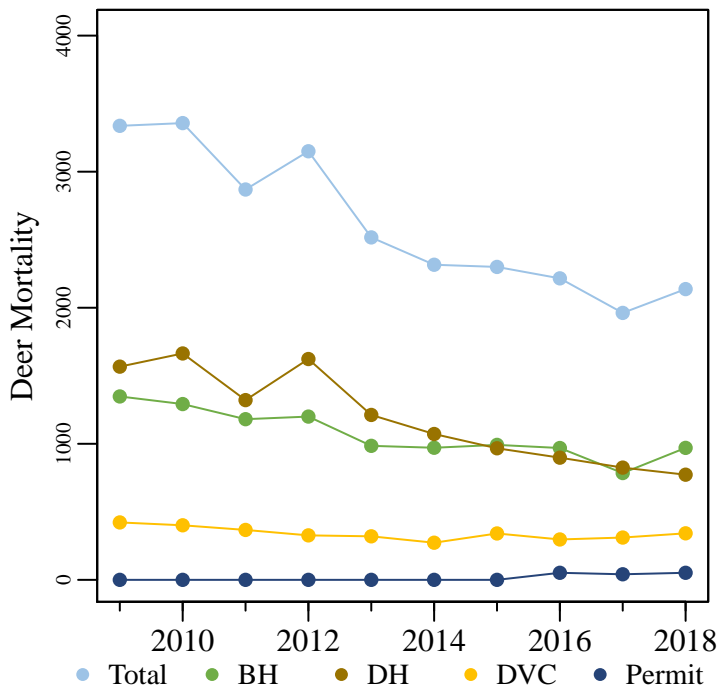
6/26/2019

Total Square Miles: 449  
 Square Miles of Deer Habitat: 80  
 Percent Deer Habitat: 18

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,312		1,202		15.03	1,110		13.88	48.01		398		2
2006	2,532		1,244		15.55	1,288		16.10	50.87		466		3
2007	2,807		1,297		16.21	1,510		18.88	53.79		532		4
2008	2,977		1,394		17.43	1,583		19.79	53.17		446		4
2009	2,915		1,348		16.85	1,567		19.59	53.76		422		8
2010	2,956	0.88	1,292	-0.06	16.15	1,664	1.23	20.80	56.29		401	-1.01	8
2011	2,502	-1.83	1,181	-2.33	14.76	1,321	-1.42	16.51	52.80		367	-1.72	8
2012	2,823	-0.04	1,200	-1.29	15.00	1,623	0.73	20.29	57.49		327	-1.71	8
2013	2,197	-3.27	985	-3.24	12.31	1,212	-2.53	15.15	55.17		320	-1.55	8
2014	2,043	-1.97	971	-1.66	12.14	1,072	-2.03	13.40	52.47		273	-2.11	4
2015	1,959	-1.39	992	-0.95	12.40	967	-1.59	12.09	49.36		341	0.07	3
2016	1,867	-1.23	969	-0.85	12.11	898	-1.35	11.22	48.10	52	297	-0.83	3
2017	1,610	-1.49	785	-2.40	9.81	825	-1.15	10.31	51.24	41	311	-0.30	2
2018	1,743	-0.88	970	0.34	12.12	773	-1.46	9.66	44.35	52	342	0.74	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

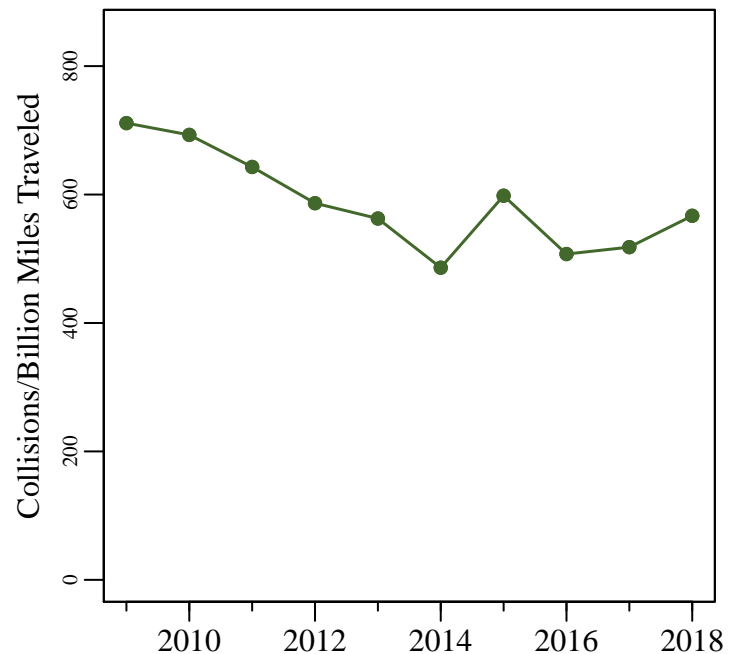


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Marshall County

6/26/2019

Total Square Miles: 449  
 Square Miles of Deer Habitat: 80  
 Percent Deer Habitat: 18

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,468	681	783	4	0	580	669	167	44	7	1	0	0	0	0	0
2016	1,417	606	807	4	0	608	607	167	29	6	0	0	0	0	0	0
2017	1,249	598	646	5	0	481	602	147	18	1	0	0	0	0	0	0
2018	1,365	568	794	3	0	614	581	150	18	2	0	0	0	0	0	0

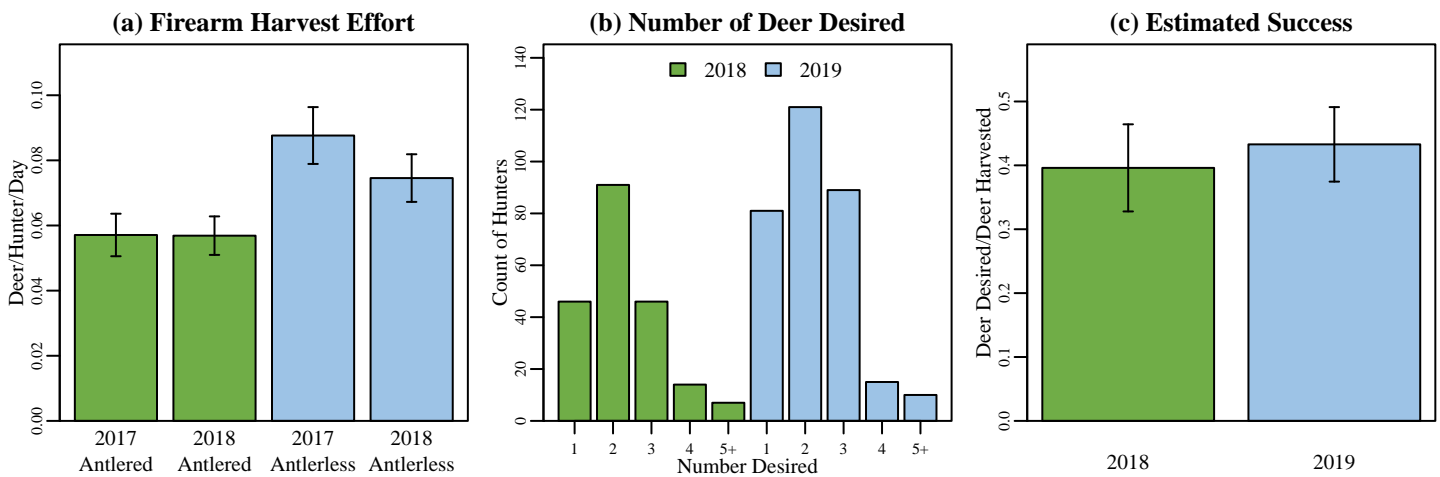
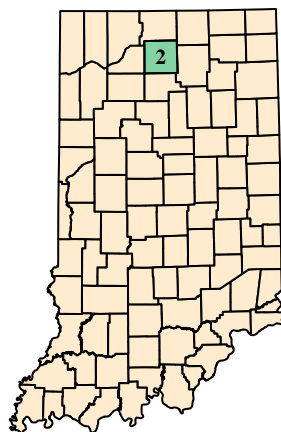


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Marshall County Map



## (b) Deer Habitat in Marshall County

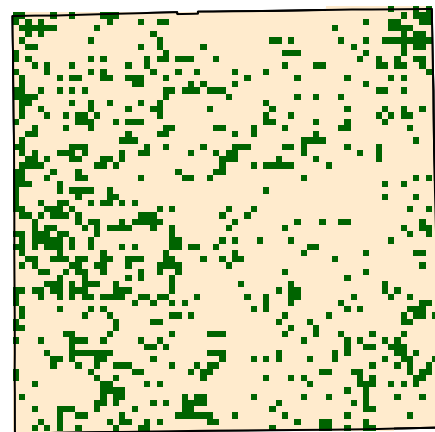


Figure 3. (a) Marshall County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Marshall County.

# Marshall County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

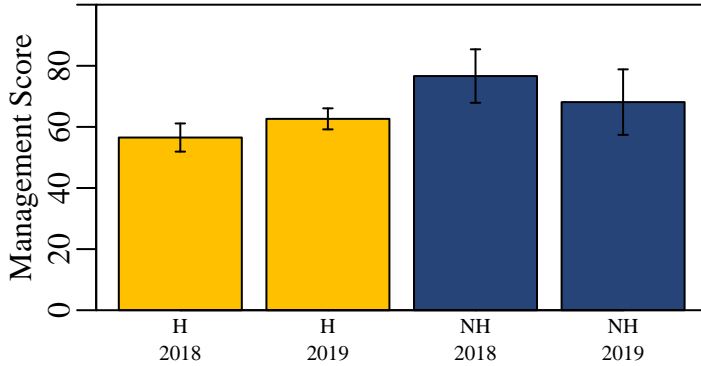


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

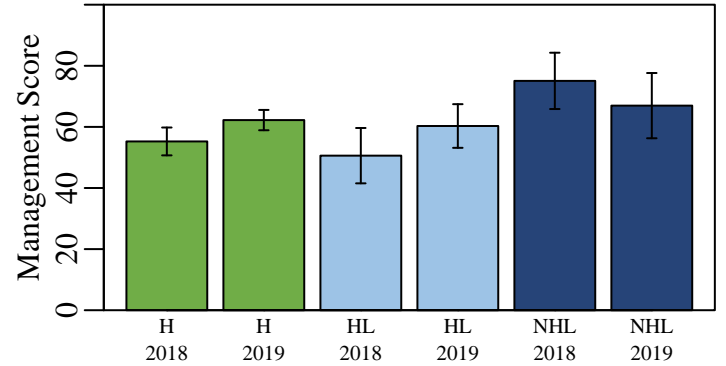


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

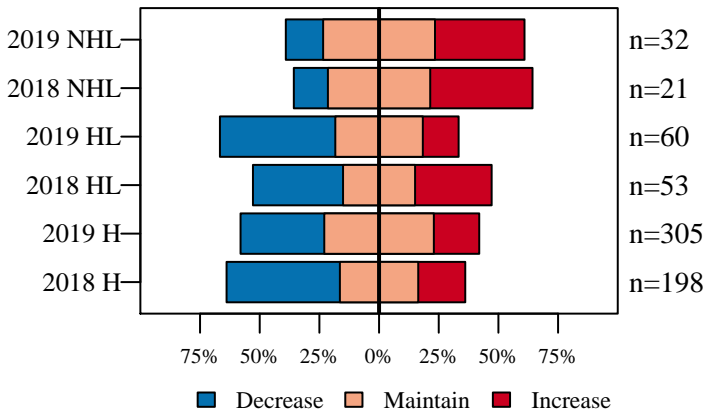


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

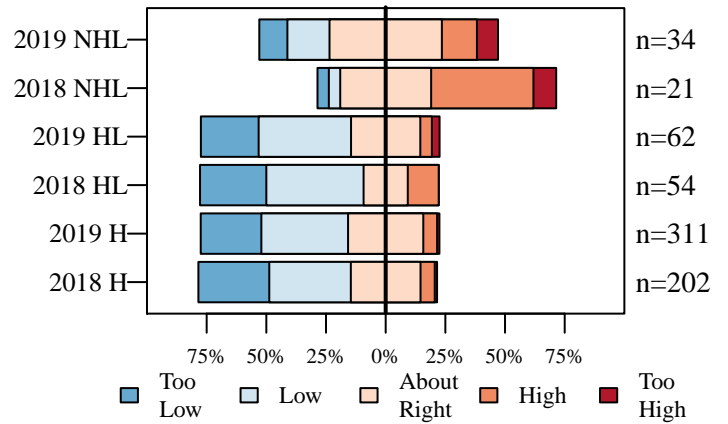


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

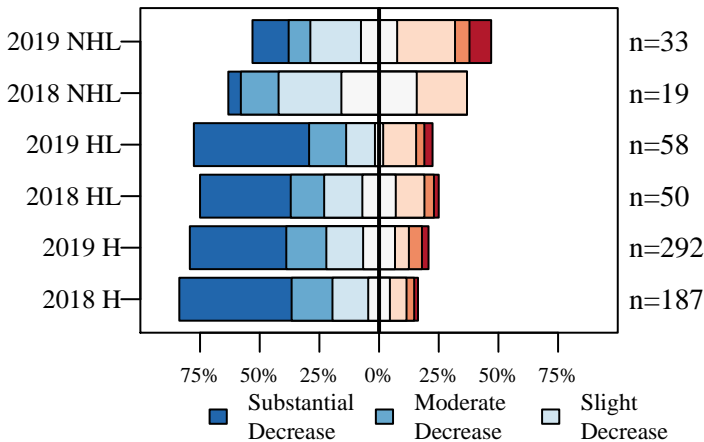


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

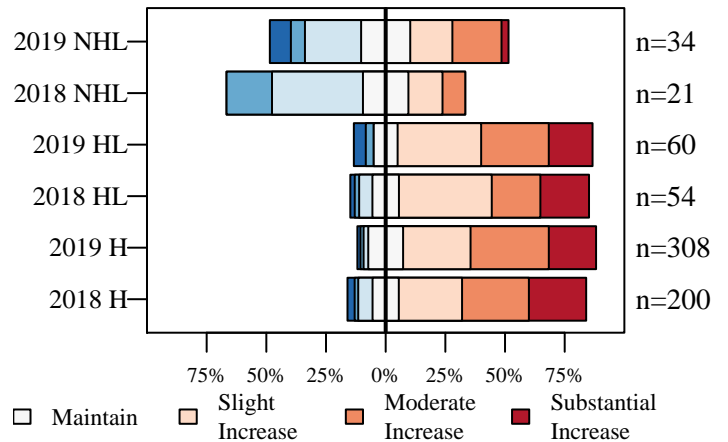


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Marshall County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

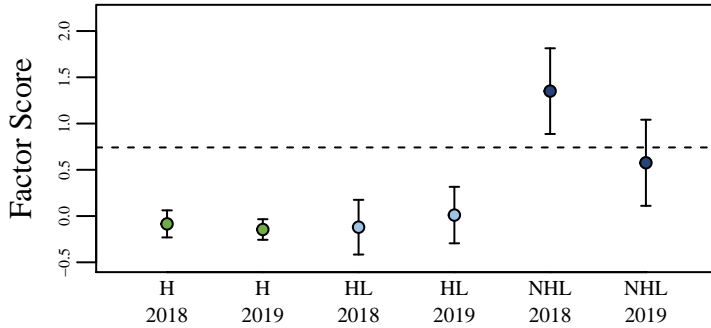


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

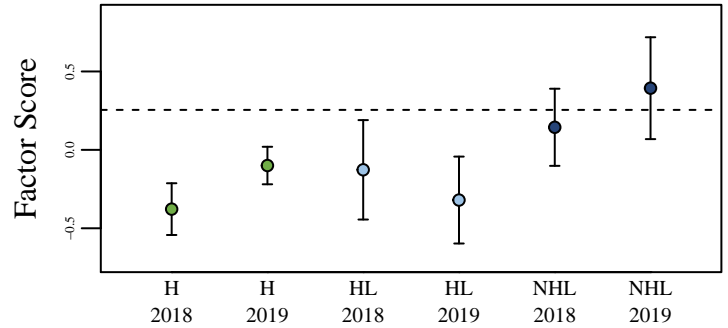


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

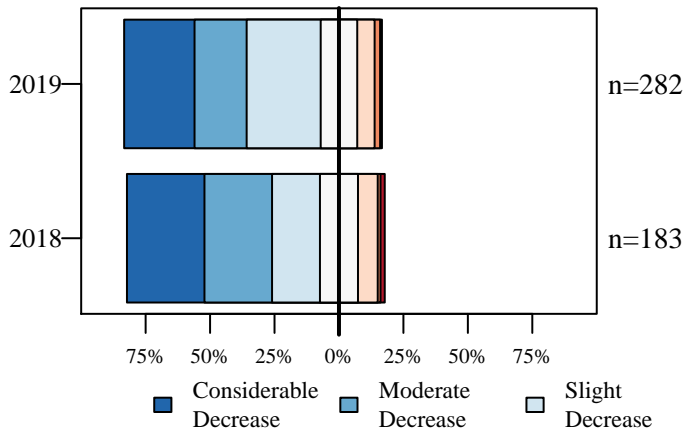


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

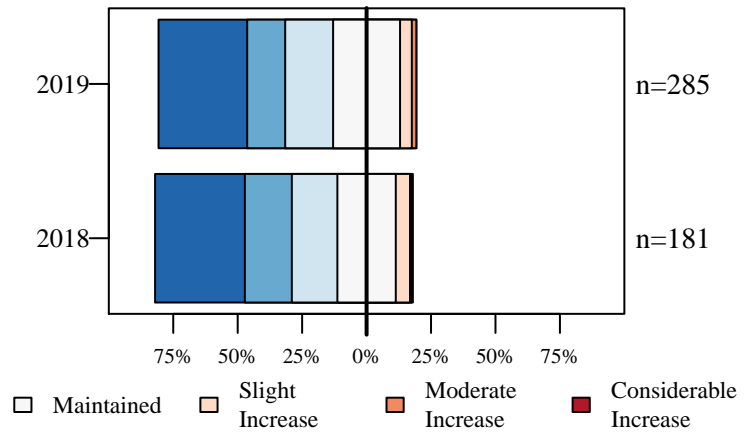


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

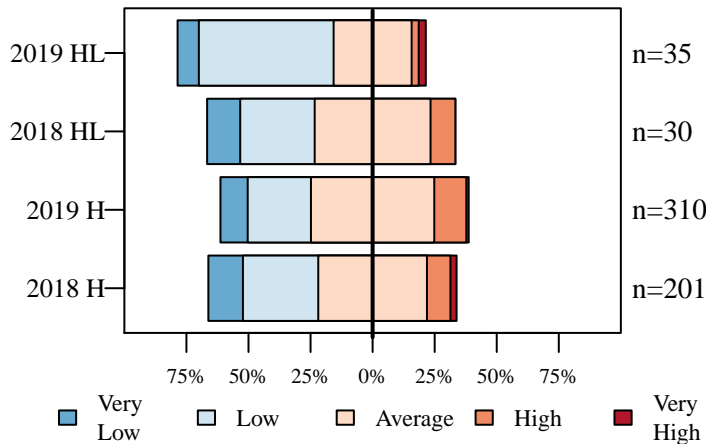


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

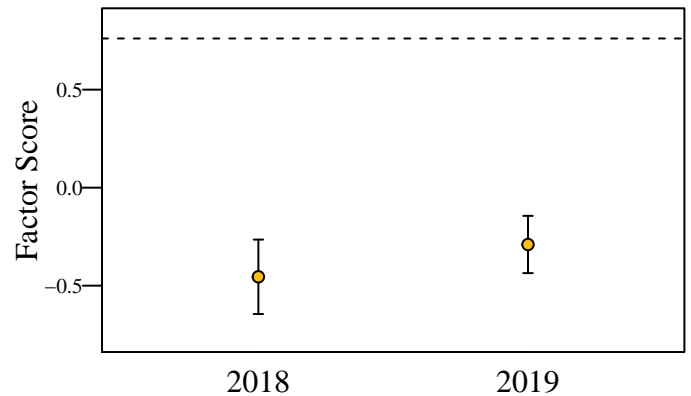


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Martin County

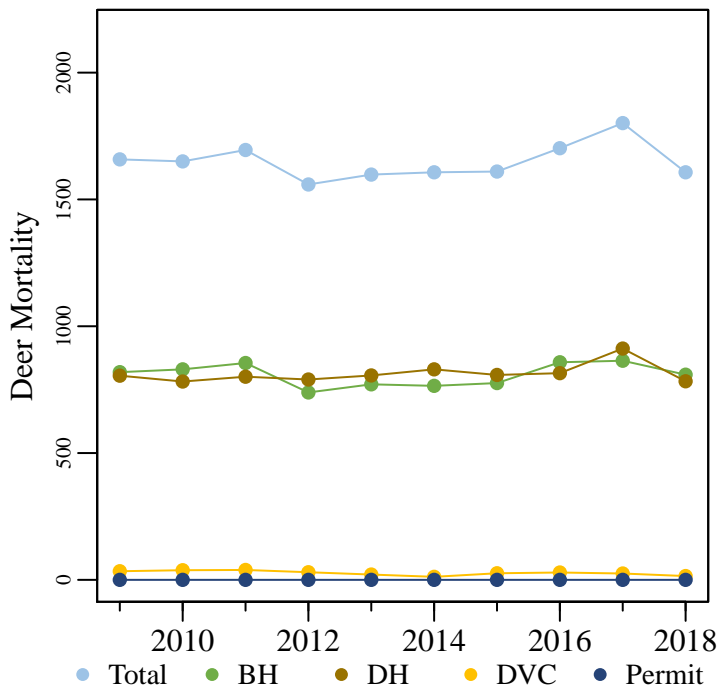
6/26/2019

Total Square Miles: 340  
 Square Miles of Deer Habitat: 276  
 Percent Deer Habitat: 80

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,596		906		3.28	690		2.50	43.23		60		1
2006	1,803		927		3.36	876		3.17	48.59		69		2
2007	1,425		747		2.71	678		2.46	47.58		57		2
2008	1,562		682		2.47	880		3.19	56.34		46		2
2009	1,624		819		2.97	805		2.92	49.57		34		2
2010	1,612	0.07	830	0.13	3.01	782	-0.04	2.83	48.51		38	-1.12	3
2011	1,656	0.37	855	0.58	3.10	801	-0.04	2.90	48.37		39	-0.68	3
2012	1,529	-0.52	739	-0.67	2.68	790	0.01	2.86	51.67		30	-1.42	3
2013	1,577	-0.39	771	-0.19	2.79	806	-0.14	2.92	51.11		21	-2.74	3
2014	1,595	-0.09	765	-0.81	2.77	830	3.18	3.01	52.04		12	-2.79	3
2015	1,584	-0.21	776	-0.33	2.81	808	0.34	2.93	51.01		26	-0.17	4
2016	1,673	1.86	858	1.76	3.11	815	0.55	2.95	48.71	0	29	0.34	4
2017	1,776	3.54	864	1.83	3.13	912	7.03	3.30	51.35	0	25	-0.13	4
2018	1,592	-0.58	809	0.04	2.93	783	-1.15	2.84	49.18	0	15	-1.32	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

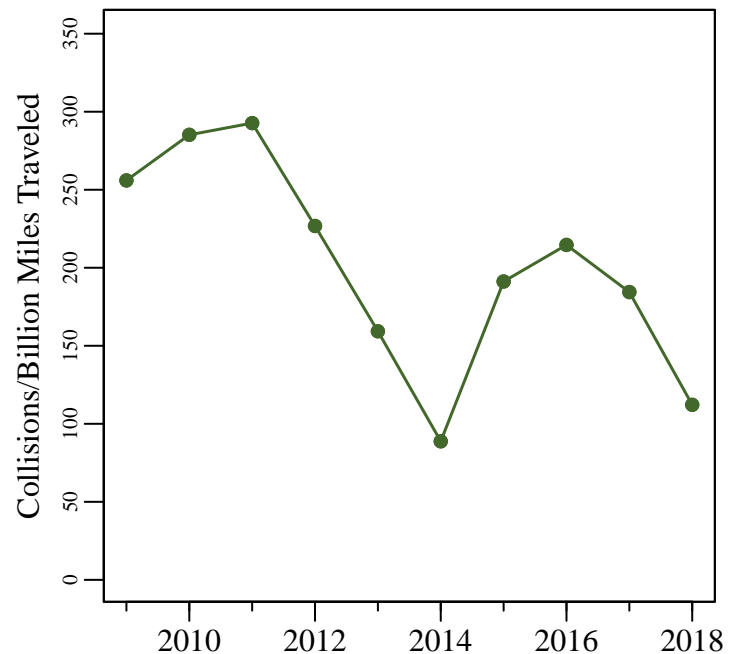


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Martin County

6/26/2019

Total Square Miles: 340  
 Square Miles of Deer Habitat: 276  
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Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,197	582	596	18	1	459	571	137	18	10	2	0	0	0	0	0
2016	1,246	592	623	29	1	482	595	134	27	6	2	0	0	0	0	0
2017	1,304	636	650	17	1	449	670	146	30	8	1	0	0	0	0	0
2018	1,195	564	612	17	2	472	560	126	23	11	3	0	0	0	0	0

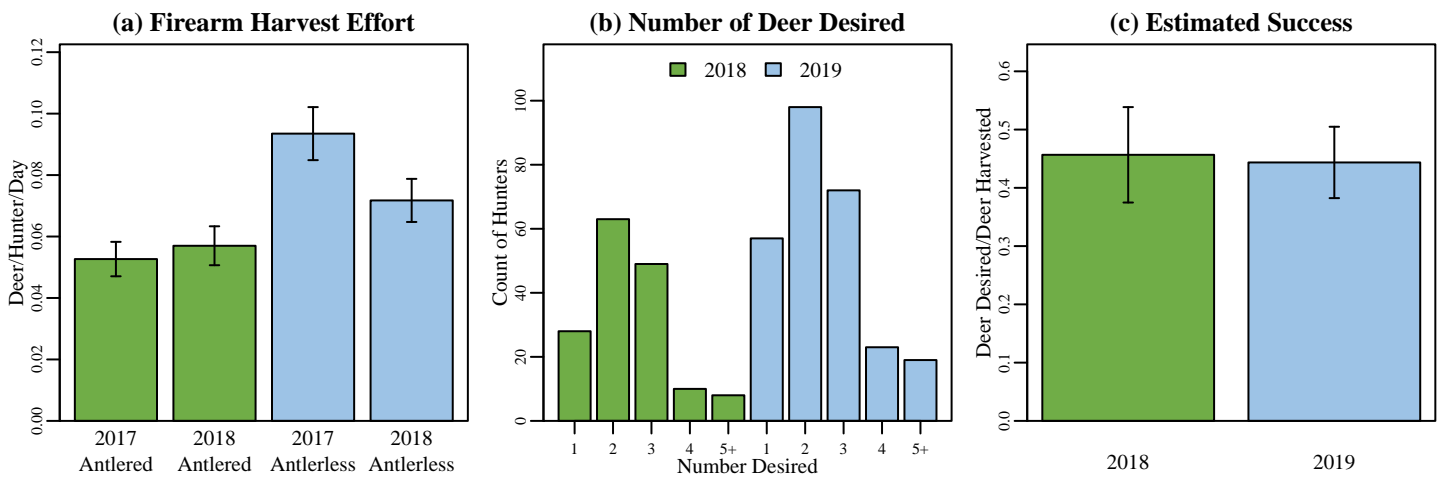
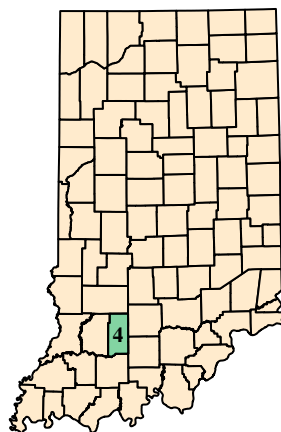


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Martin County Map



## (b) Deer Habitat in Martin County

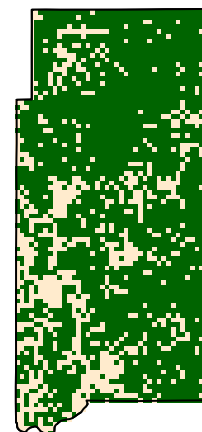


Figure 3. (a) Martin County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Martin County.

# Martin County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

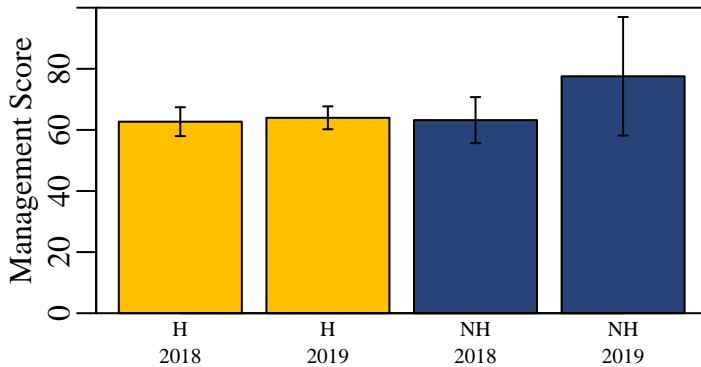


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

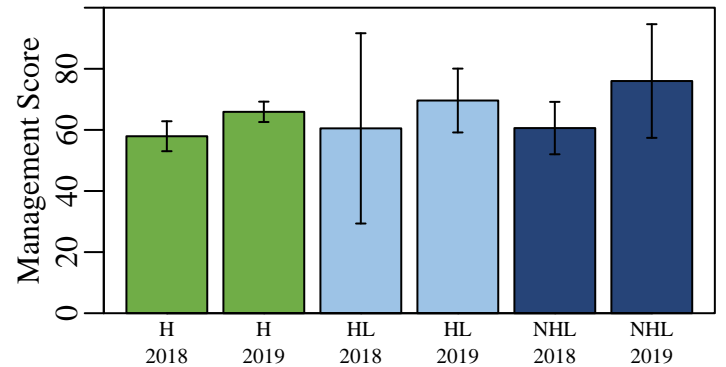


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

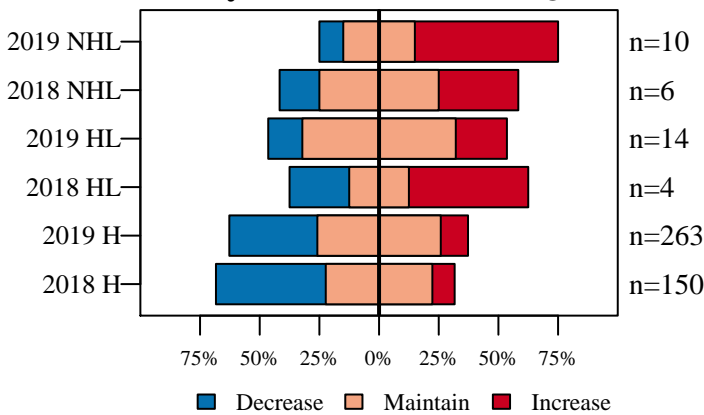


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

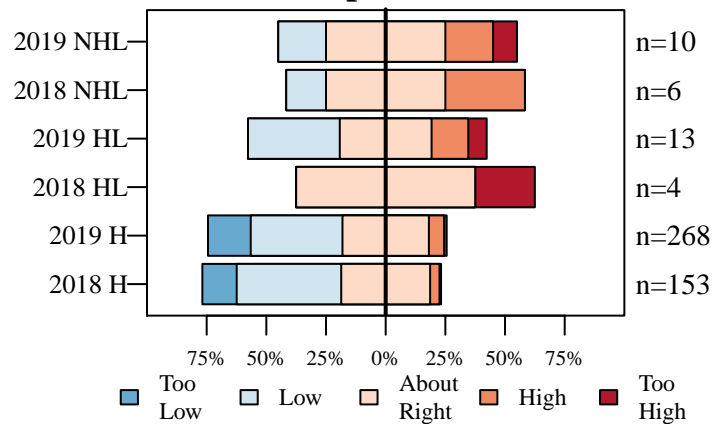


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

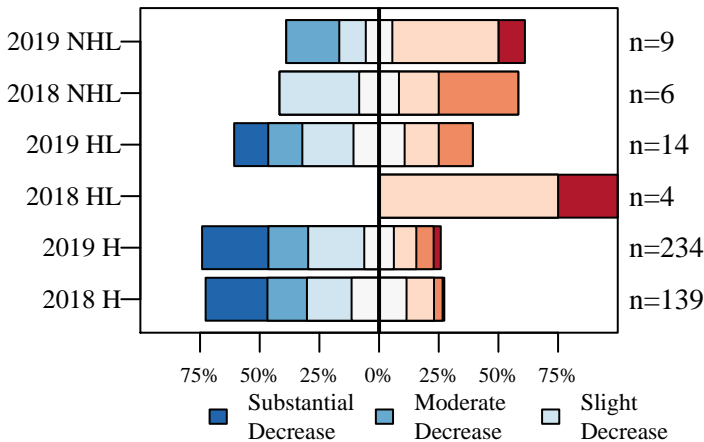


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

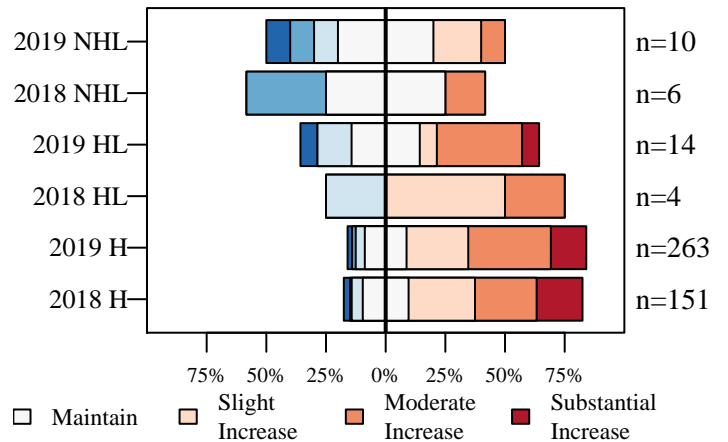


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Martin County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

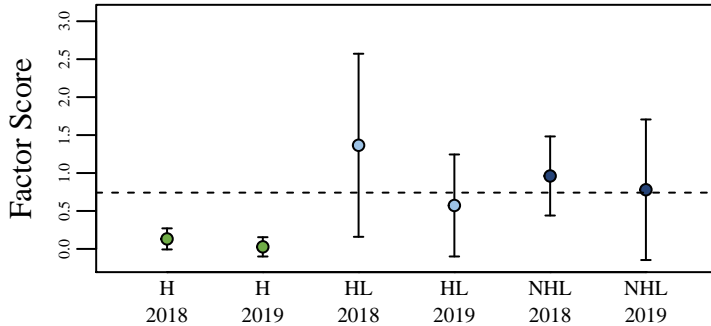


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

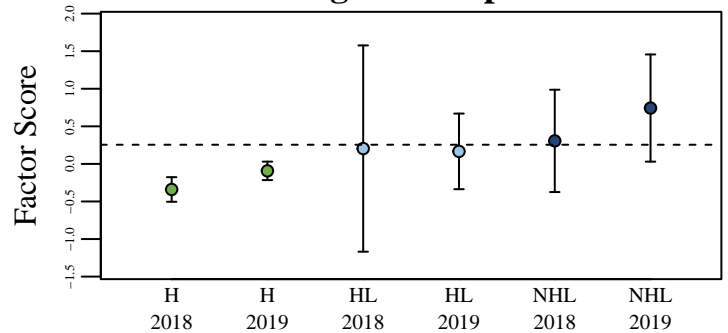


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

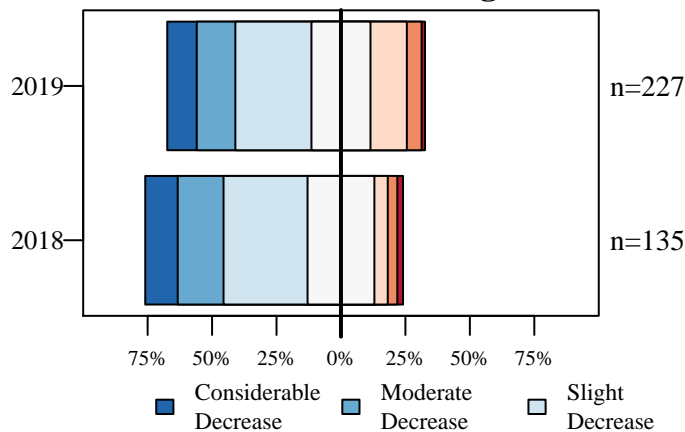


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

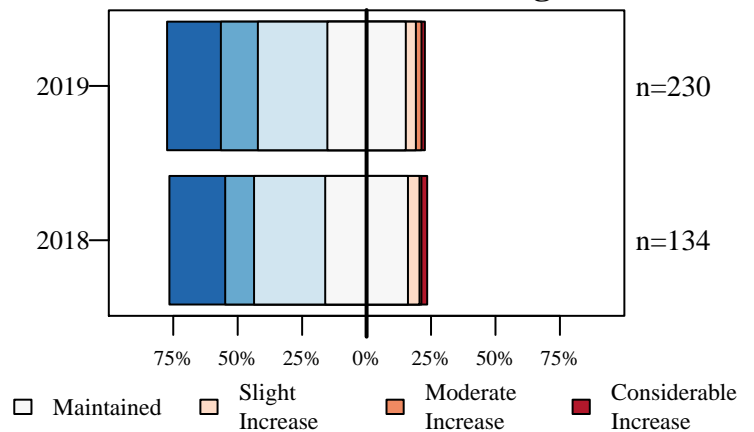


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

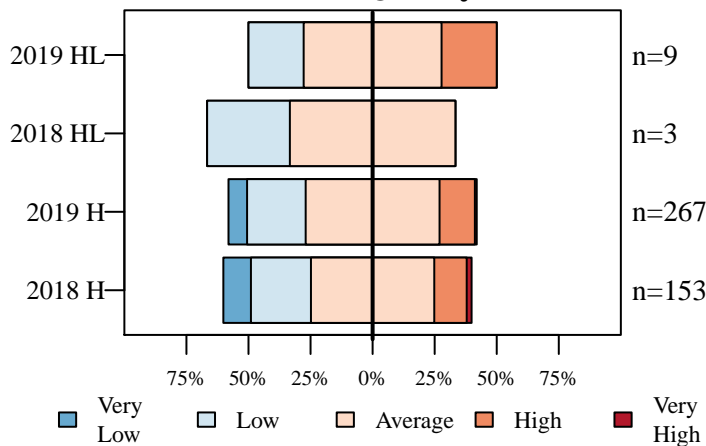


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

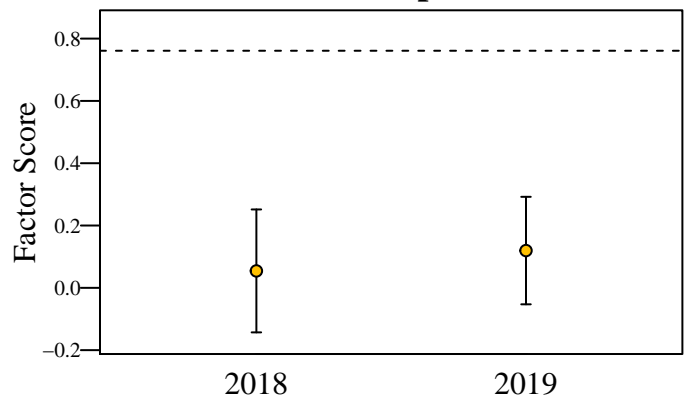


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Miami County

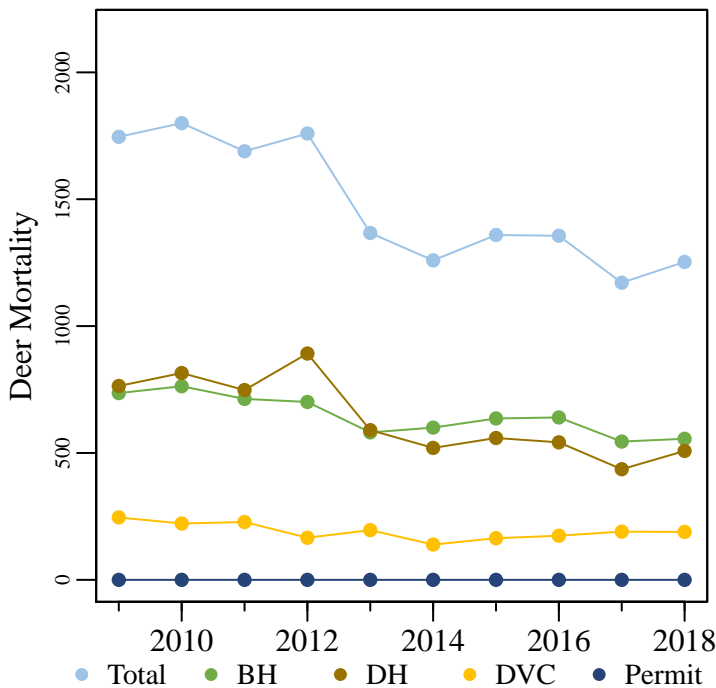
6/26/2019

Total Square Miles: 377  
 Square Miles of Deer Habitat: 59  
 Percent Deer Habitat: 15

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,116		652		11.05	464		7.86	41.58		213		1
2006	1,227		622		10.54	605		10.25	49.31		233		2
2007	1,410		793		13.44	617		10.46	43.76		224		2
2008	1,383		749		12.69	634		10.75	45.84		220		2
2009	1,500		736		12.47	764		12.95	50.93		246		4
2010	1,578	1.63	763	0.74	12.93	815	1.86	13.81	51.65		222	-0.41	4
2011	1,461	0.31	713	-0.30	12.08	748	0.64	12.68	51.20		228	-0.09	4
2012	1,593	1.64	701	-1.66	11.88	892	2.05	15.12	55.99		166	-5.91	4
2013	1,171	-3.84	581	-5.95	9.85	590	-1.91	10.00	50.38		196	-0.68	4
2014	1,120	-1.99	600	-1.41	10.17	520	-2.17	8.81	46.43		139	-2.33	3
2015	1,195	-0.84	636	-0.46	10.78	559	-0.99	9.47	46.78		164	-0.70	3
2016	1,182	-0.61	640	-0.10	10.85	542	-0.77	9.19	45.85	0	174	-0.13	3
2017	981	-1.41	545	-1.88	9.24	436	-1.20	7.39	44.44	0	190	0.40	2
2018	1,064	-0.75	556	-1.12	9.42	508	-0.37	8.61	47.74	0	189	0.33	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

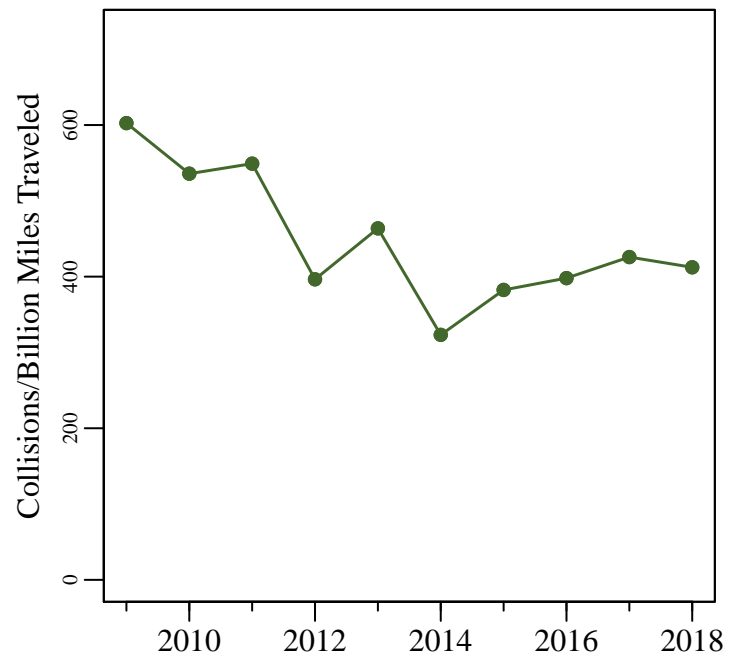


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Miami County

6/26/2019

Total Square Miles: 377  
 Square Miles of Deer Habitat: 59  
 Percent Deer Habitat: 15

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	944	435	508	1	0	396	428	105	13	2	0	0	0	0	0	0
2016	940	435	502	3	0	398	428	98	14	2	0	0	0	0	0	0
2017	801	386	412	2	0	328	390	79	4	0	0	0	0	0	0	0
2018	833	389	444	0	0	324	409	90	9	1	0	0	0	0	0	0

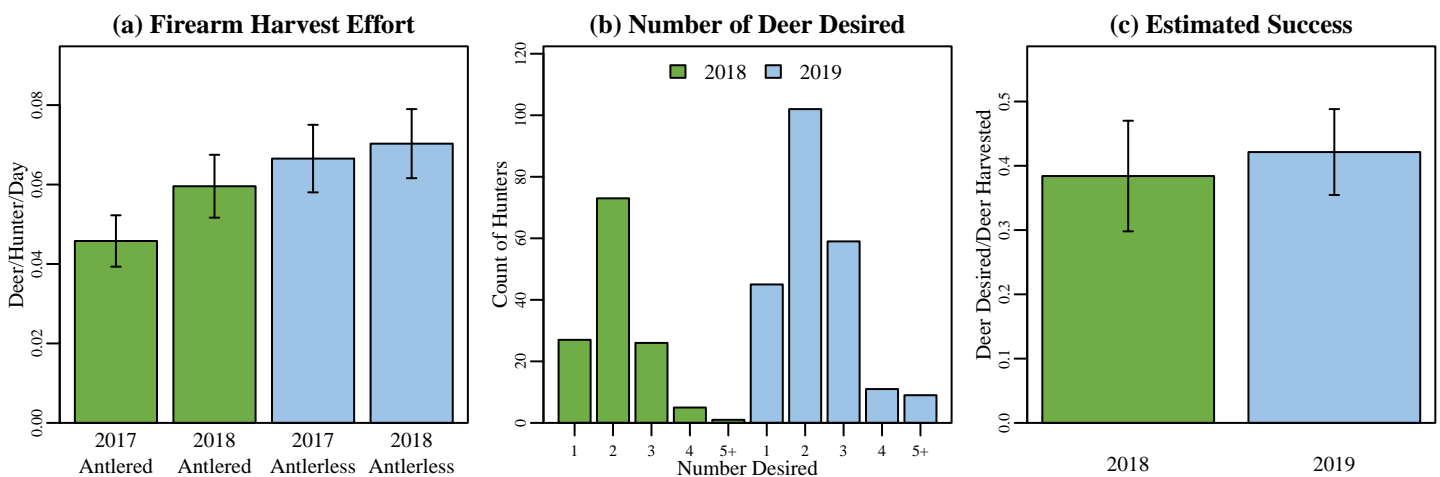
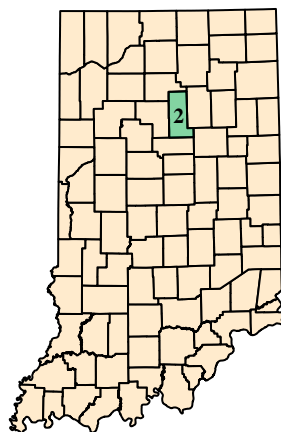


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Miami County Map



## (b) Deer Habitat in Miami County

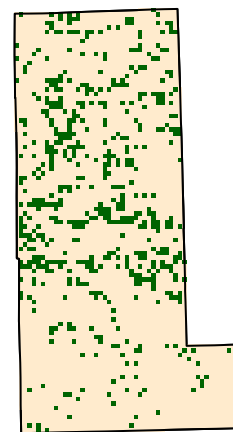


Figure 3. (a) Miami County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Miami County.

# Miami County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

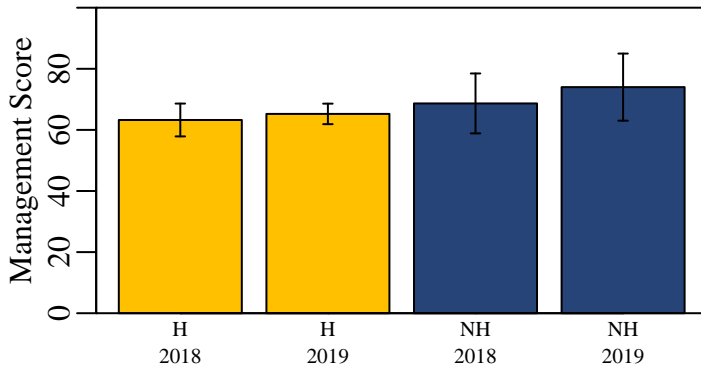


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

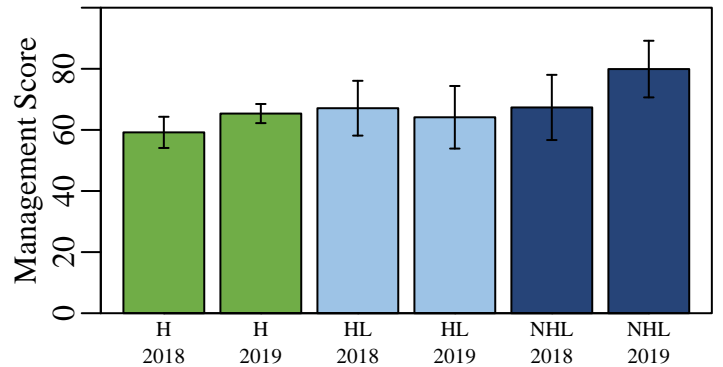


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

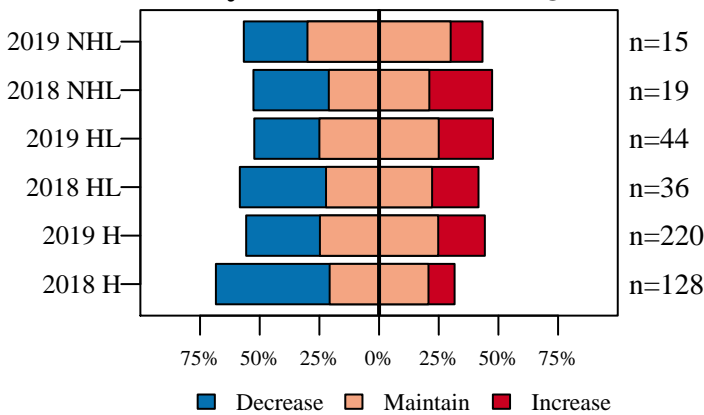


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

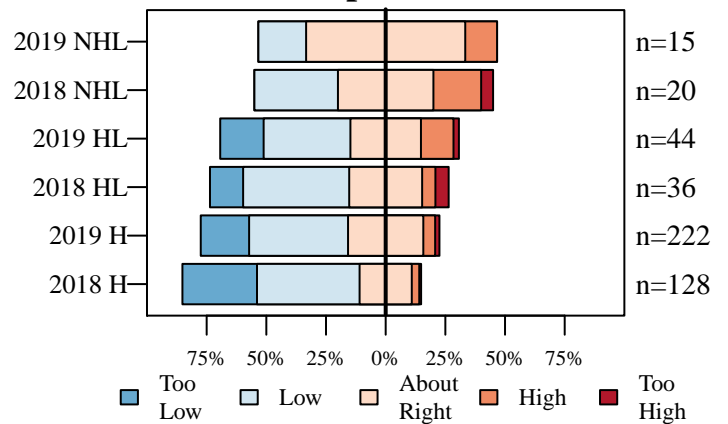


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

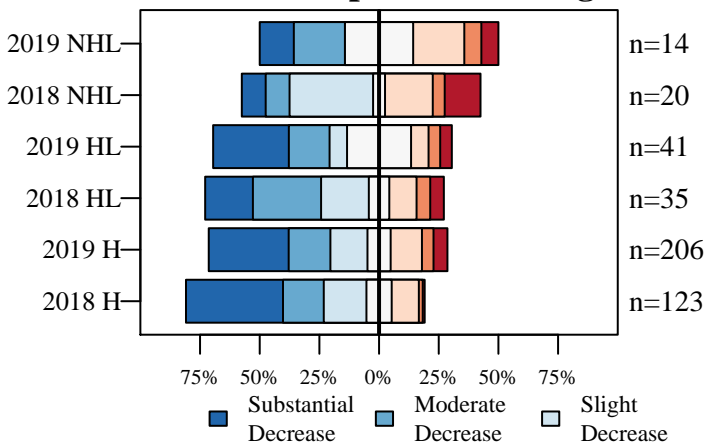


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

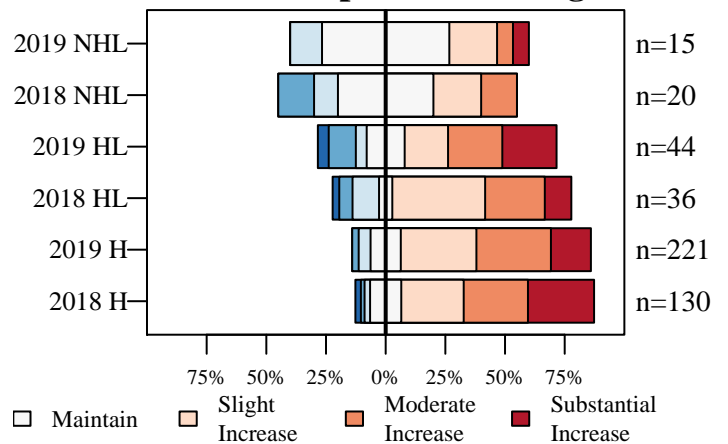


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Miami County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

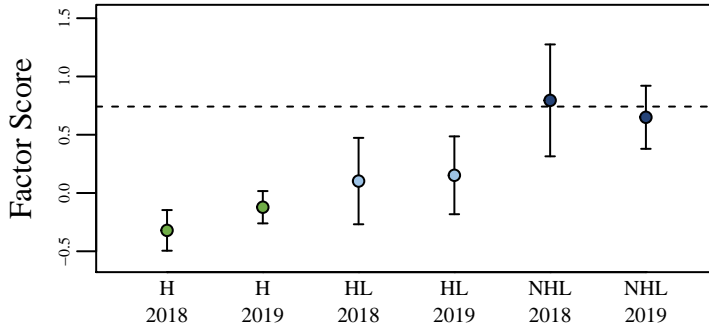


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

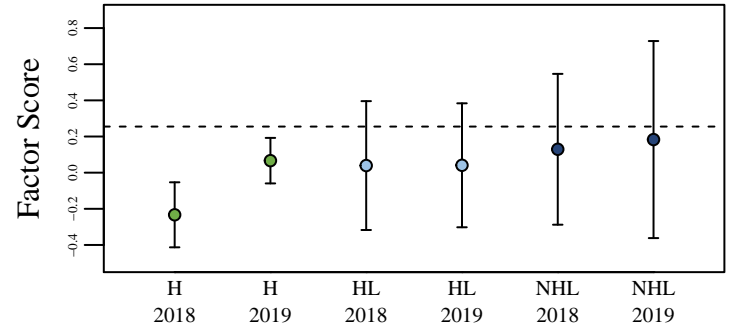


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

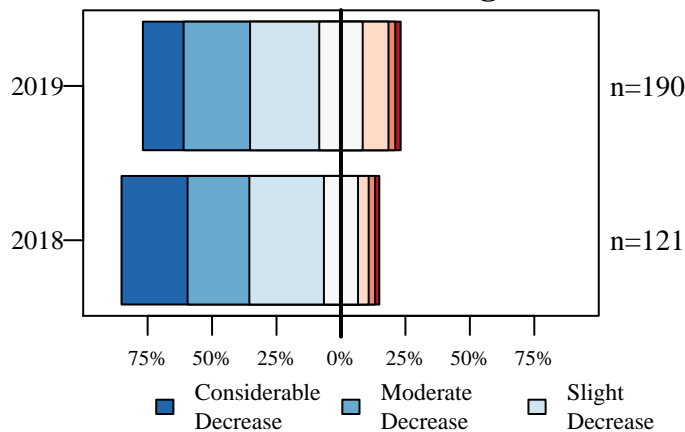


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

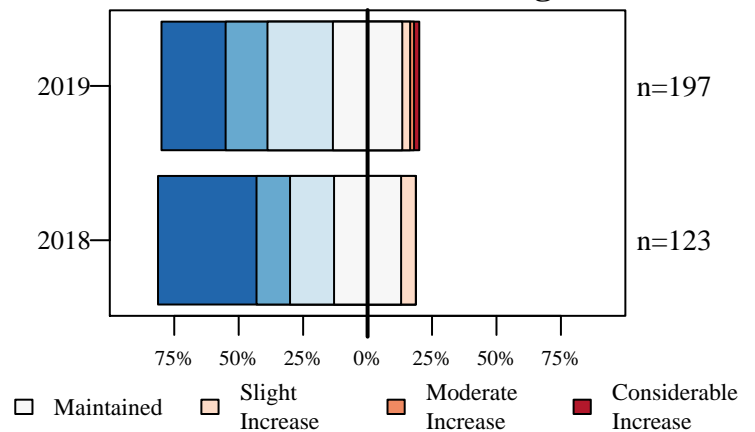


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

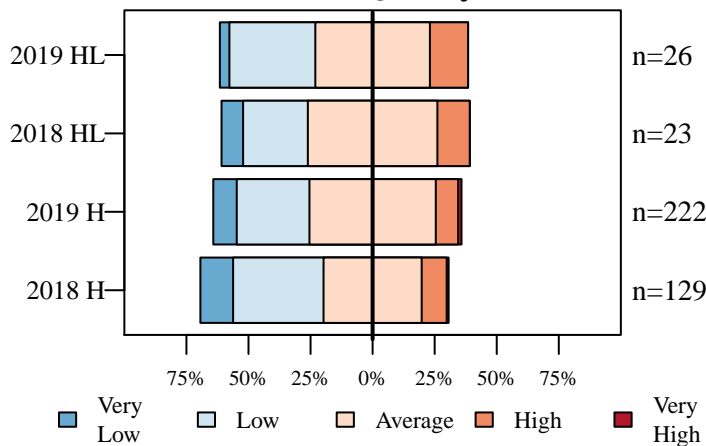


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

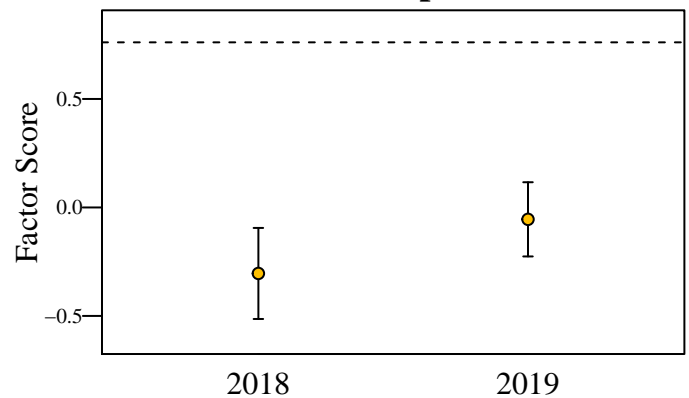


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Monroe County

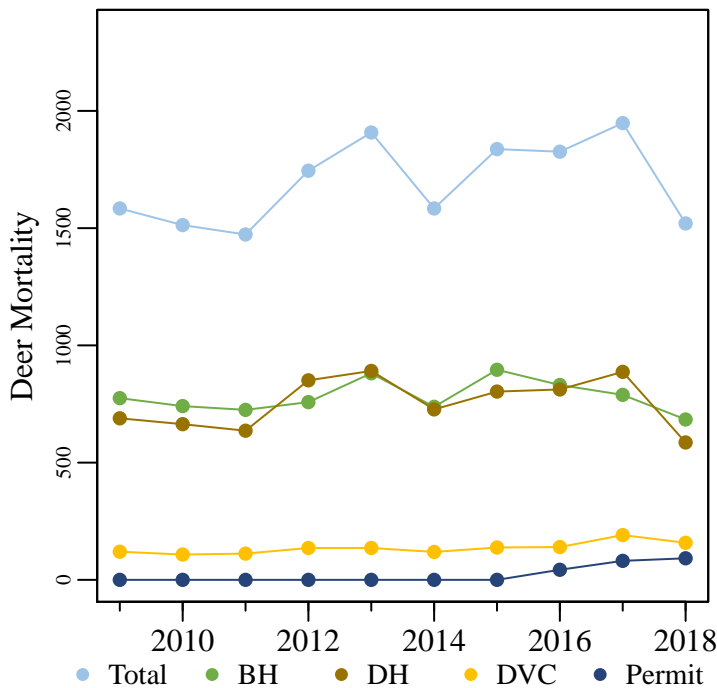
6/26/2019

Total Square Miles: 411  
 Square Miles of Deer Habitat: 342  
 Percent Deer Habitat: 82

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,243		701		2.05	542		1.58	43.60		79		3
2006	1,329		713		2.08	616		1.80	46.35		73		3
2007	1,233		680		1.99	553		1.62	44.85		91		3
2008	1,375		720		2.11	655		1.92	47.64		101		3
2009	1,464		775		2.27	689		2.01	47.06		120		4
2010	1,405	0.79	741	0.66	2.17	664	0.83	1.94	47.26		108	0.81	4
2011	1,361	0.00	725	-0.02	2.12	636	0.01	1.86	46.73		112	0.75	4
2012	1,609	2.84	758	0.86	2.22	851	4.08	2.49	52.89		136	2.69	4
2013	1,772	3.26	881	5.98	2.58	891	2.20	2.61	50.28		136	1.54	4
2014	1,465	-0.34	738	-0.62	2.16	727	-0.17	2.13	49.62		119	-0.26	8
2015	1,699	1.05	896	1.99	2.62	803	0.44	2.35	47.26		138	1.20	8
2016	1,643	0.37	831	0.38	2.43	812	0.30	2.37	49.42	43	140	0.99	8
2017	1,676	0.34	789	-0.45	2.31	887	1.15	2.59	52.92	81	191	5.21	8
2018	1,270	-3.33	684	-2.19	2.00	586	-3.50	1.71	46.14	92	158	0.76	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions



Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Monroe County

6/26/2019

Total Square Miles: 411  
 Square Miles of Deer Habitat: 342  
 Percent Deer Habitat: 82

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,300	598	701	1	0	539	590	129	31	5	4	0	1	1	0	0
2016	1,261	590	668	3	0	498	614	109	29	7	2	2	0	0	0	0
2017	1,213	598	612	3	0	457	551	145	41	10	4	2	2	1	0	0
2018	991	472	518	1	0	410	456	92	25	6	1	1	0	0	0	0

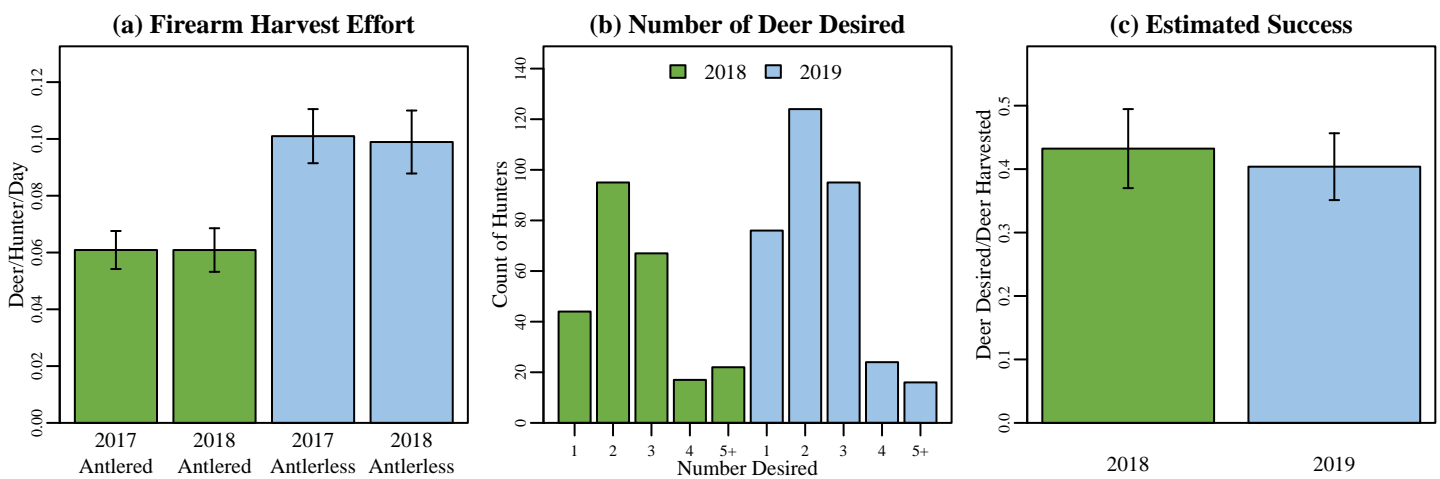


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Monroe County Map



## (b) Deer Habitat in Monroe County

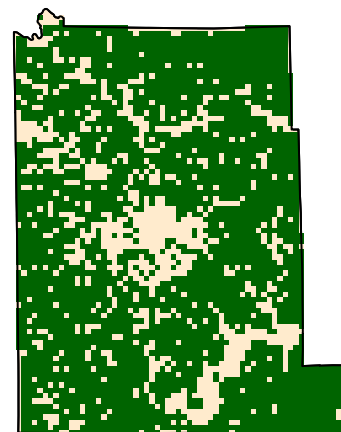


Figure 3. (a) Monroe County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Monroe County.

# Monroe County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

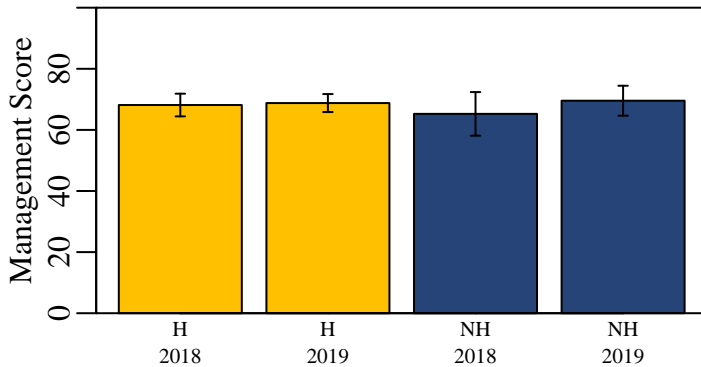


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

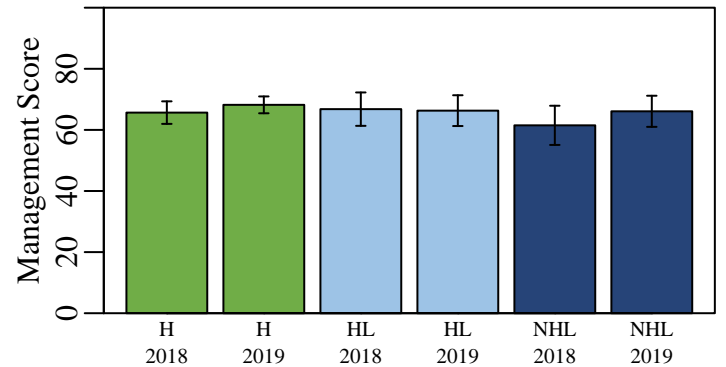


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

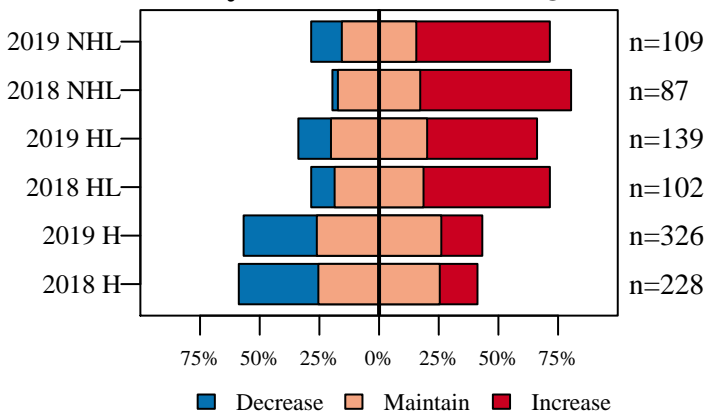


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

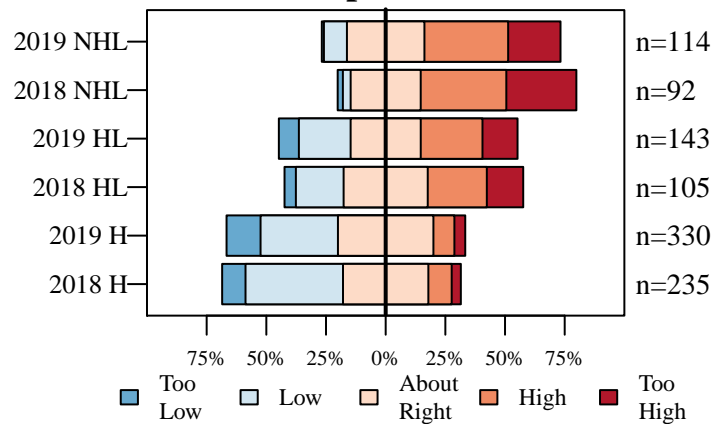


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

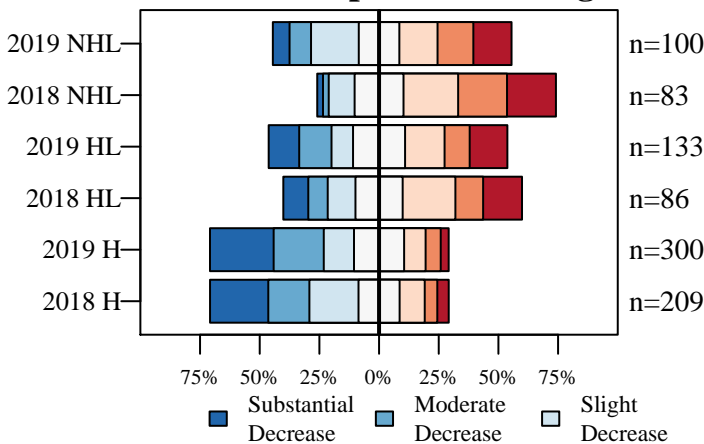


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

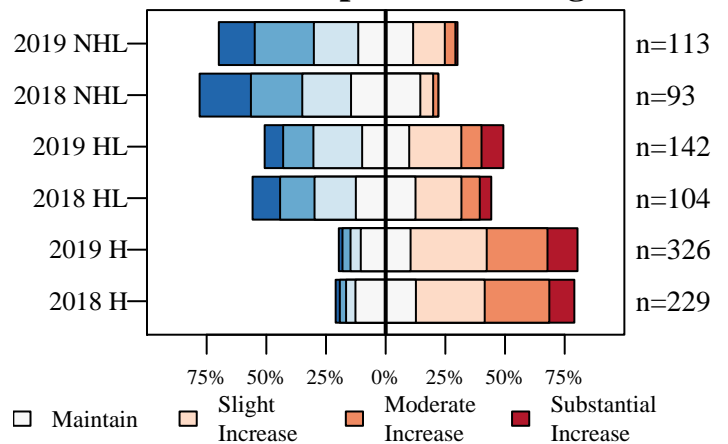


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Monroe County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

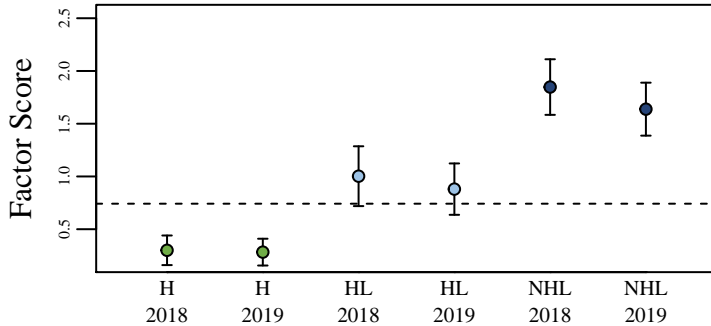


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

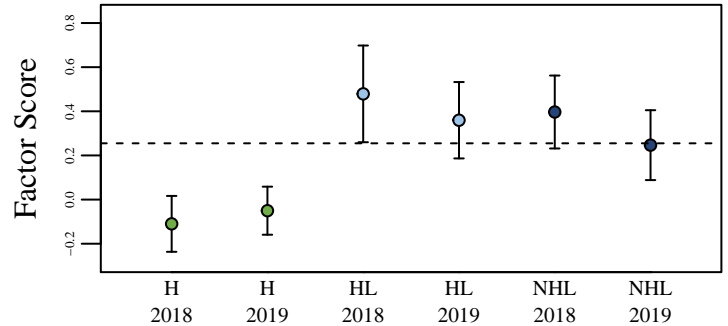


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

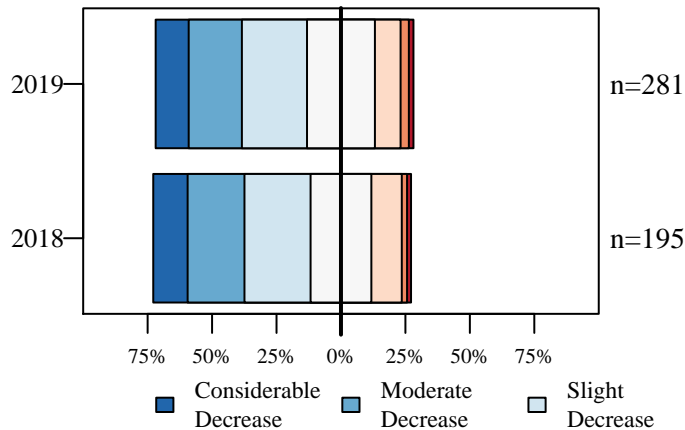


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

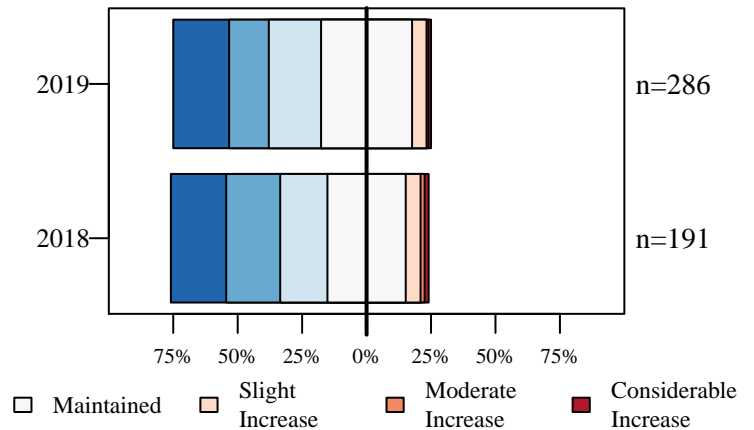


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

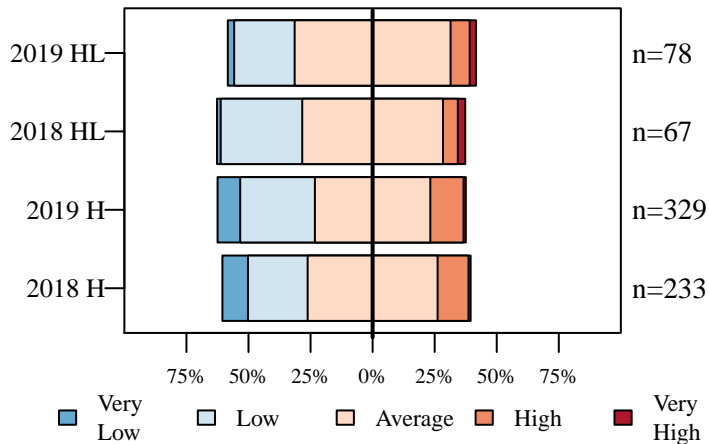


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

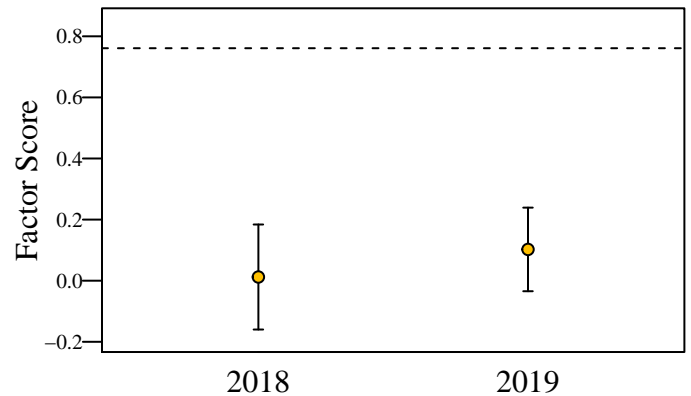


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Montgomery County

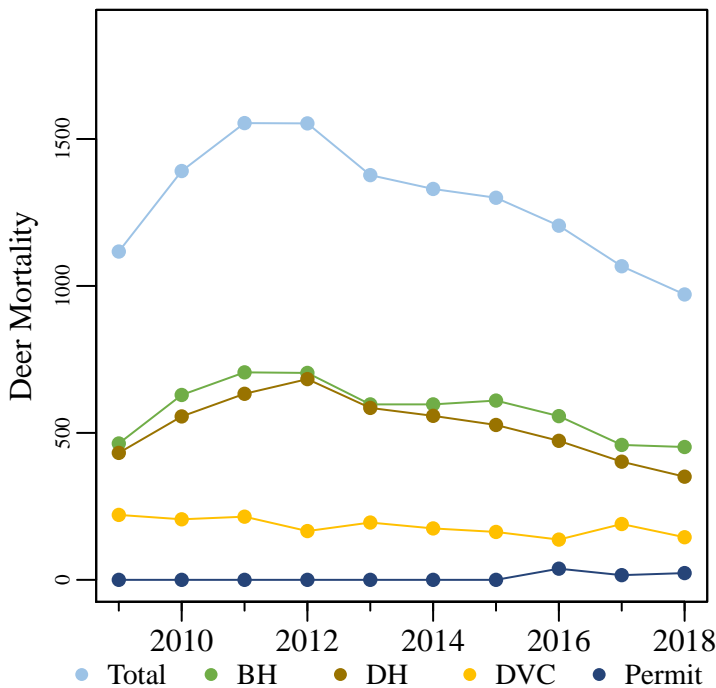
6/26/2019

Total Square Miles: 505  
 Square Miles of Deer Habitat: 72  
 Percent Deer Habitat: 14

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,084		606		8.42	478		6.64	44.10		259		3
2006	970		531		7.38	439		6.10	45.26		235		4
2007	1,172		617		8.57	555		7.71	47.35		223		4
2008	940		491		6.82	449		6.24	47.77		243		4
2009	896		464		6.44	432		6.00	48.21		221		4
2010	1,185	1.53	629	1.28	8.74	556	1.70	7.72	46.92		206	-1.94	4
2011	1,339	2.26	706	2.16	9.81	633	2.31	8.79	47.27		215	-0.75	4
2012	1,387	1.52	704	1.21	9.78	683	1.89	9.49	49.24		166	-4.07	4
2013	1,182	0.15	597	-0.02	8.29	585	0.31	8.12	49.49		195	-0.54	4
2014	1,155	-0.22	597	-0.23	8.29	558	-0.21	7.75	48.31		175	-1.18	4
2015	1,137	-1.07	610	-0.67	8.47	527	-1.40	7.32	46.35		163	-1.38	4
2016	1,030	-1.83	557	-1.50	7.74	473	-2.01	6.57	45.92	38	137	-2.09	4
2017	861	-2.44	459	-2.82	6.38	402	-2.09	5.58	46.69	16	190	0.55	4
2018	803	-2.05	452	-1.81	6.28	351	-2.17	4.88	43.71	23	145	-1.27	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

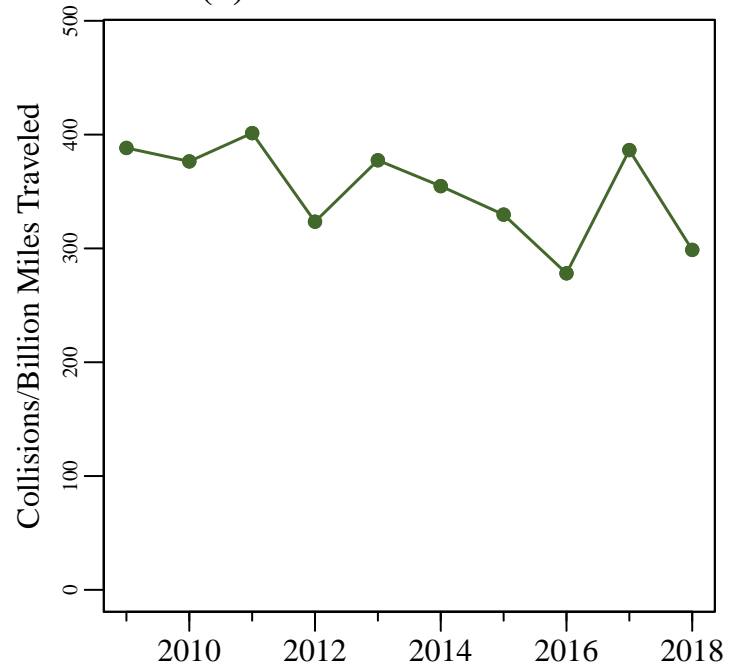


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Montgomery County

6/26/2019

Total Square Miles: 505  
 Square Miles of Deer Habitat: 72  
 Percent Deer Habitat: 14

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	824	370	451	3	0	317	372	108	19	5	3	0	0	0	0	0
2016	782	330	450	2	0	342	330	92	10	8	0	0	0	0	0	0
2017	659	311	346	2	0	259	306	80	11	3	0	0	0	0	0	0
2018	633	258	372	3	0	277	292	59	5	0	0	0	0	0	0	0

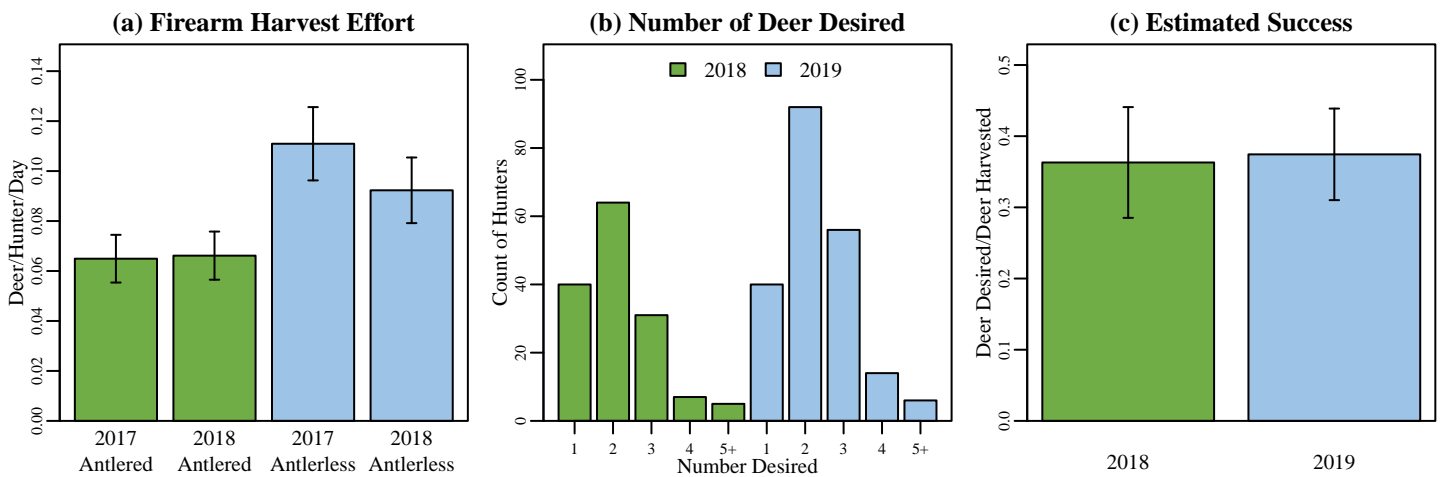
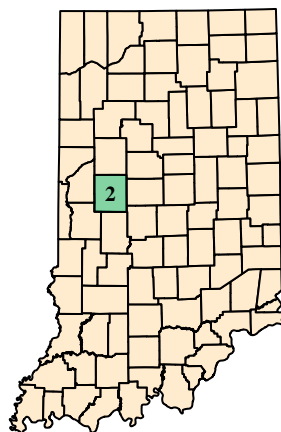


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Montgomery County Map



## (b) Deer Habitat in Montgomery County

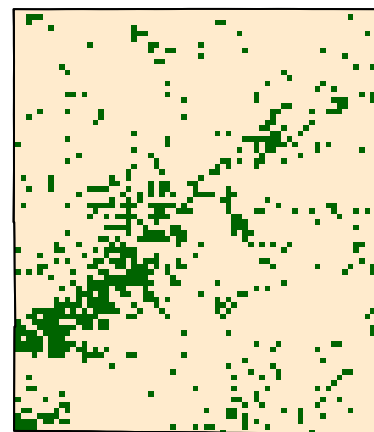


Figure 3. (a) Montgomery County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Montgomery County.

# Montgomery County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

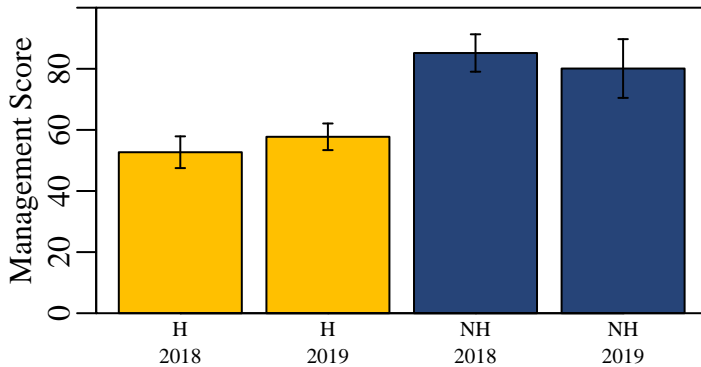


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

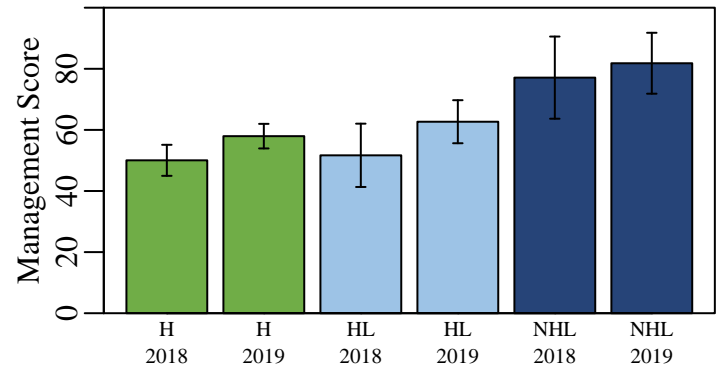


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

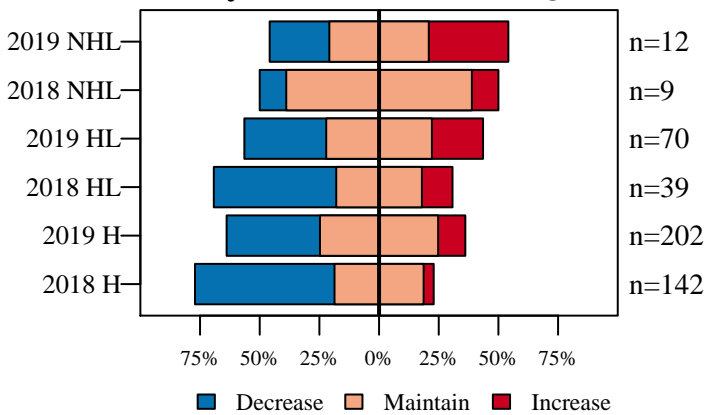


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

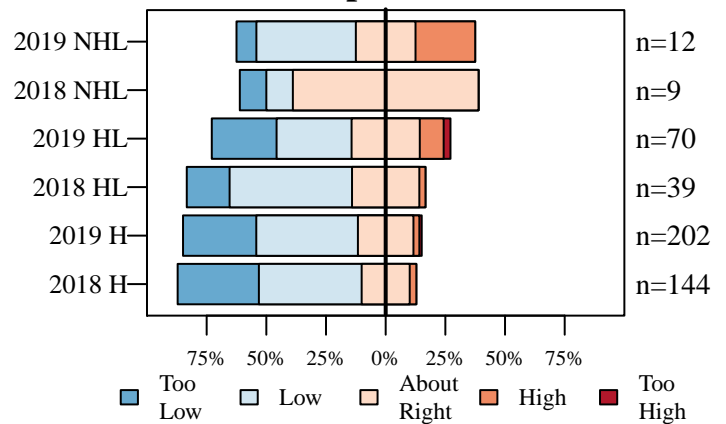


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

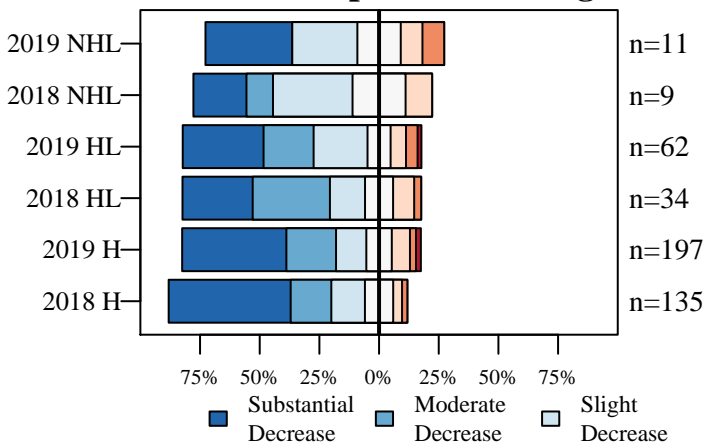


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

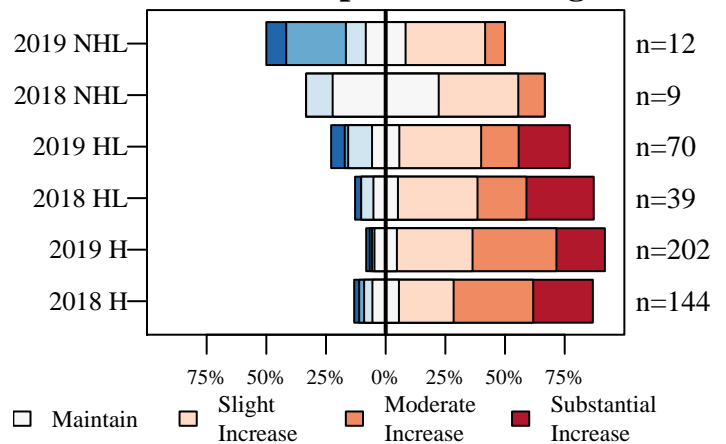


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Montgomery County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

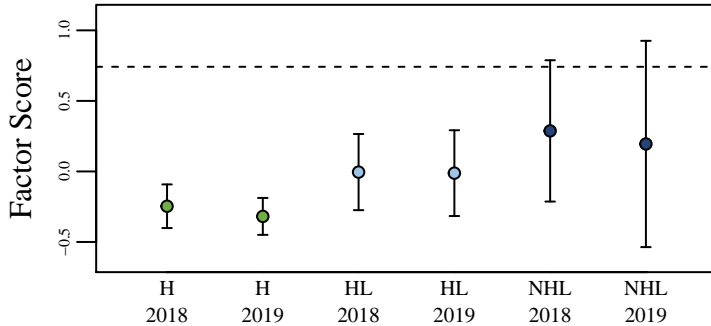


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

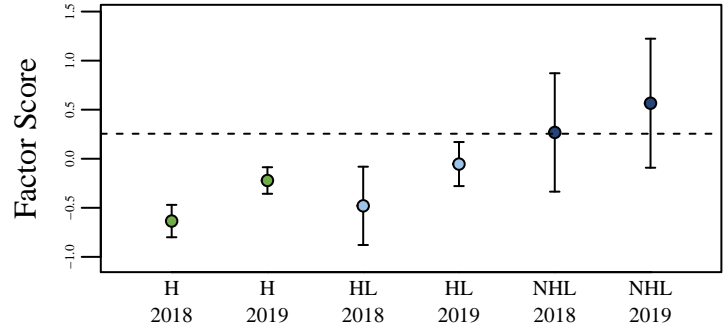


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

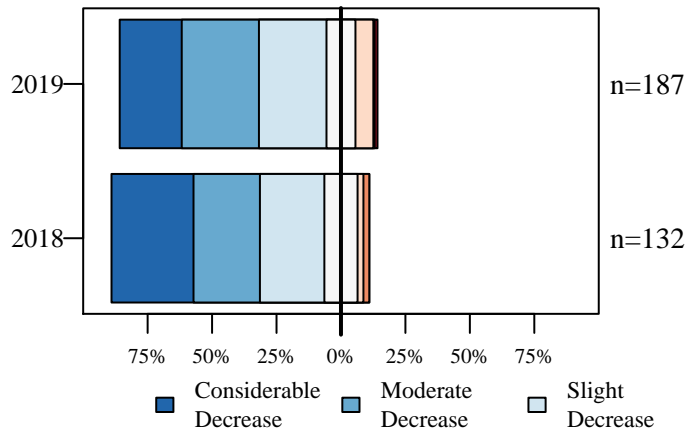


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

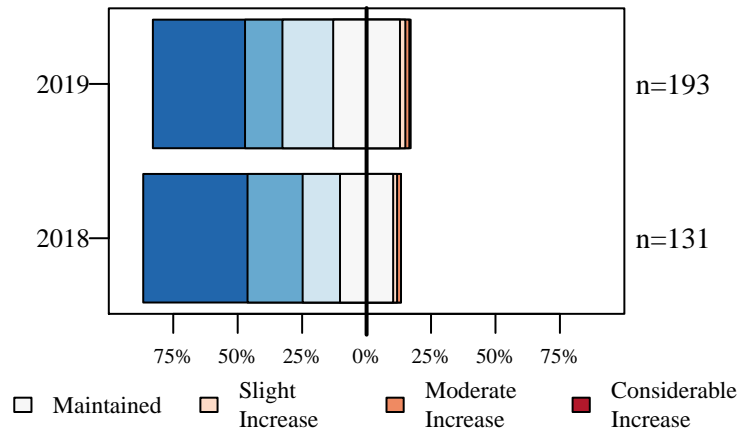


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

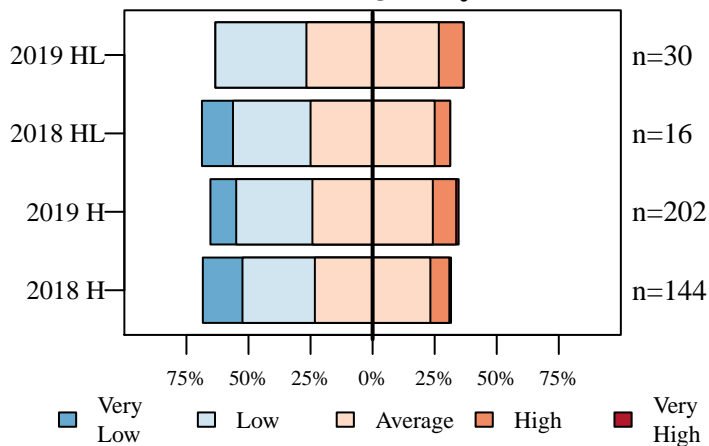


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

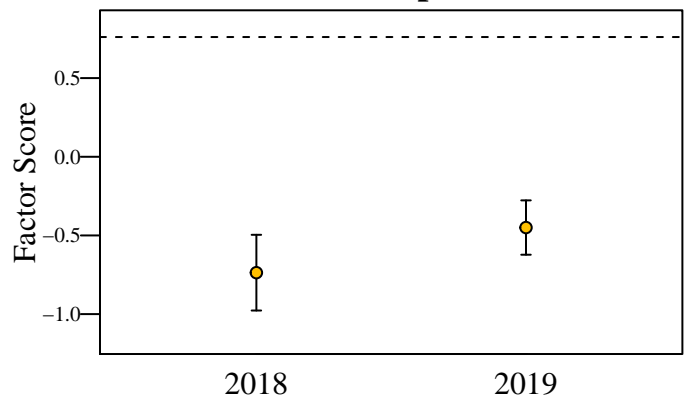


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Morgan County

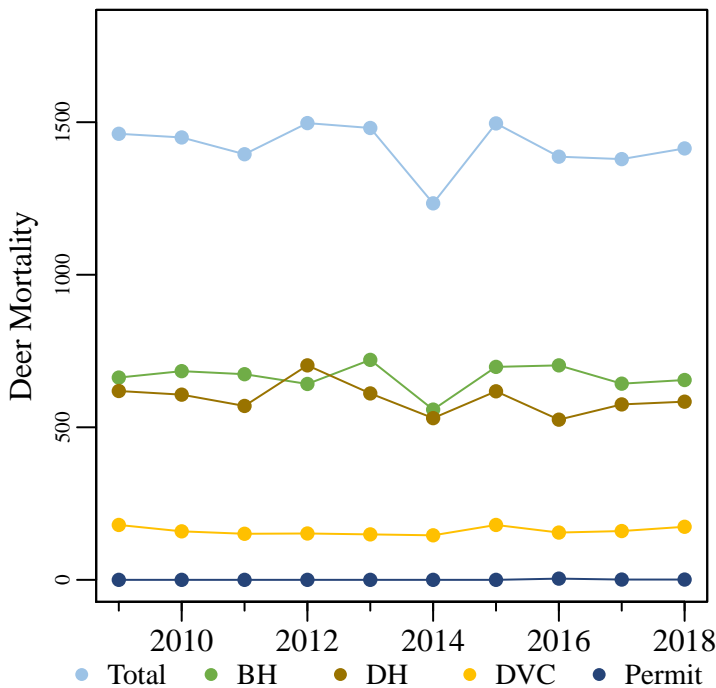
6/26/2019

Total Square Miles: 409  
 Square Miles of Deer Habitat: 228  
 Percent Deer Habitat: 55

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,165		650		2.85	515		2.26	44.21		131		4
2006	1,114		605		2.65	509		2.23	45.69		151		4
2007	1,183		616		2.70	567		2.49	47.93		142		4
2008	1,158		622		2.73	536		2.35	46.29		126		4
2009	1,282		663		2.91	619		2.71	48.28		180		4
2010	1,291	1.78	684	2.17	3.00	607	1.28	2.66	47.02		159	0.61	4
2011	1,244	0.49	674	1.07	2.96	570	0.05	2.50	45.82		151	-0.03	8
2012	1,345	1.92	642	-0.32	2.82	703	3.69	3.08	52.27		152	0.02	8
2013	1,332	0.98	721	2.56	3.16	611	0.06	2.68	45.87		149	-0.24	4
2014	1,088	-5.20	558	-4.07	2.45	530	-1.88	2.32	48.71		146	-0.96	4
2015	1,316	0.54	698	0.69	3.06	618	0.21	2.71	46.96		180	5.92	4
2016	1,228	-0.35	703	0.70	3.08	525	-1.26	2.30	42.75	4	155	-0.04	4
2017	1,218	-0.41	643	-0.32	2.82	575	-0.31	2.52	47.21	1	160	0.36	3
2018	1,239	0.03	655	-0.14	2.87	584	0.28	2.56	47.13	1	174	1.56	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

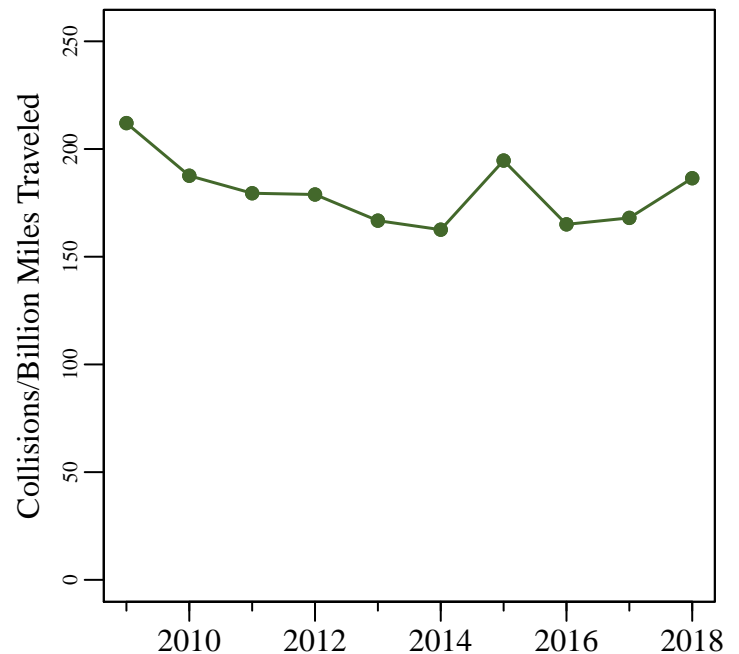


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Morgan County

6/26/2019

Total Square Miles: 409  
 Square Miles of Deer Habitat: 228  
 Percent Deer Habitat: 55

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,057	526	529	2	0	429	492	118	17	1	0	0	0	0	0	0
2016	1,023	443	579	1	0	477	457	79	8	2	0	0	0	0	0	0
2017	970	475	490	5	0	376	483	99	11	1	0	0	0	0	0	0
2018	988	474	511	3	0	392	485	100	7	4	0	0	0	0	0	0

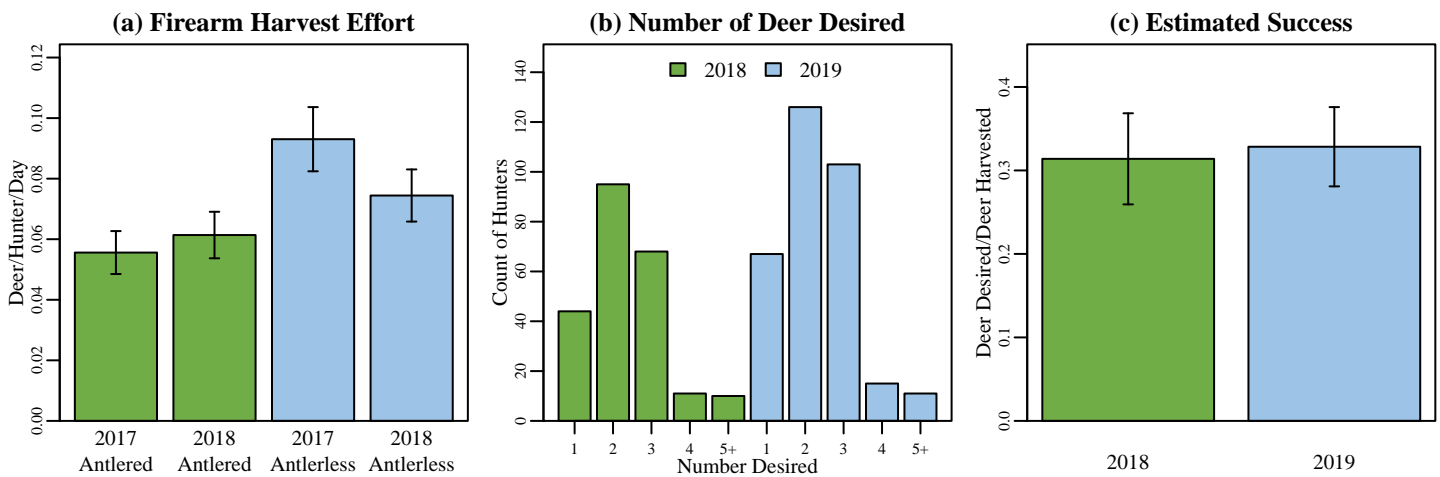


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Morgan County Map



## (b) Deer Habitat in Morgan County

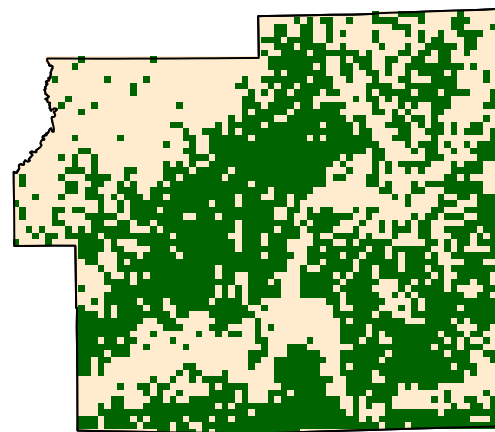


Figure 3. (a) Morgan County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Morgan County.

# Morgan County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

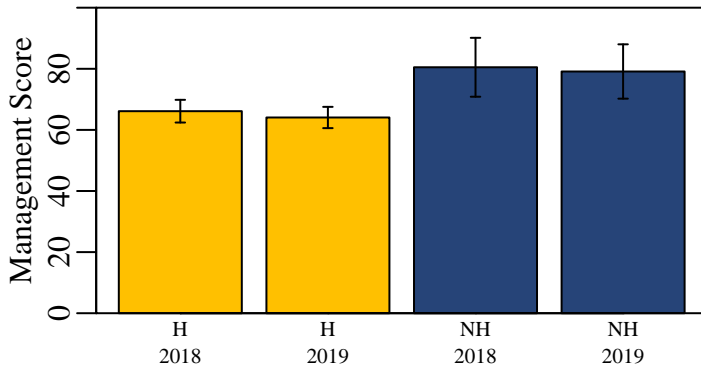


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

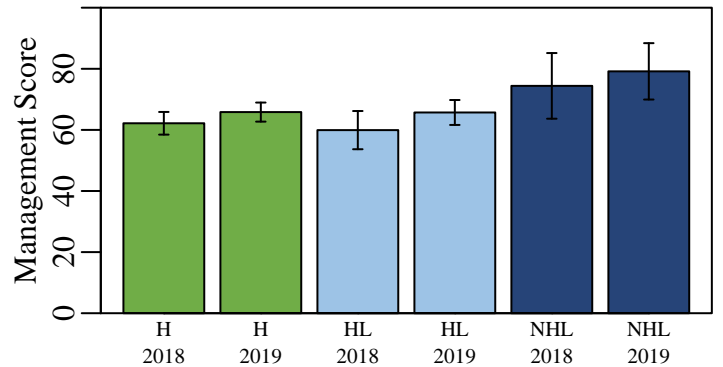


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

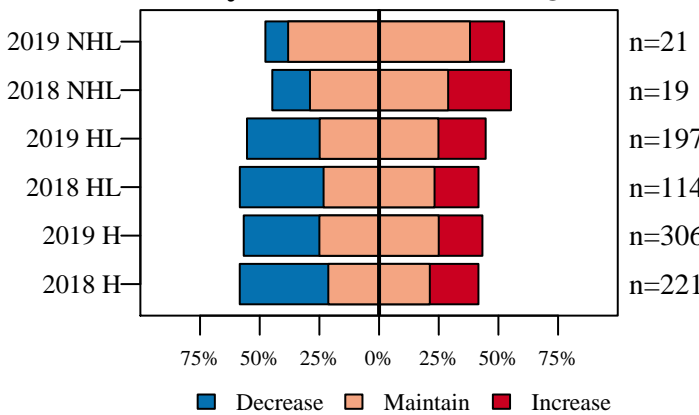


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

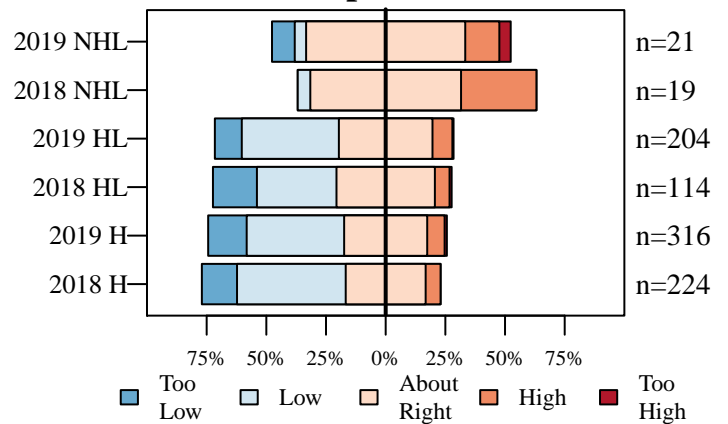


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

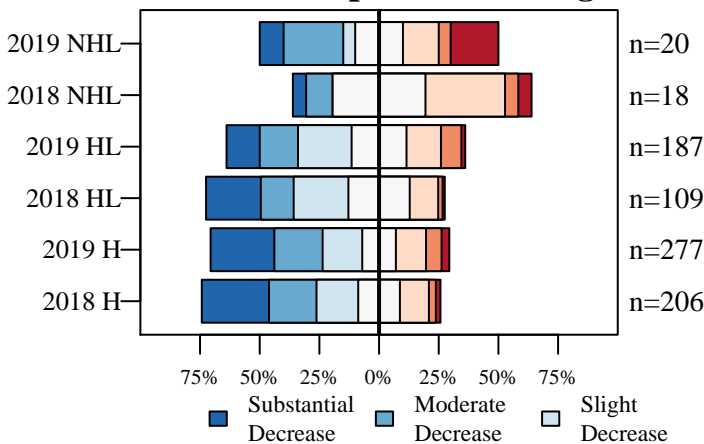


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

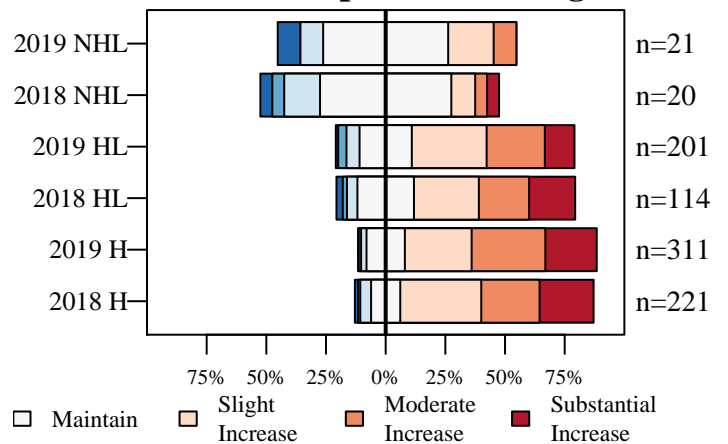


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Morgan County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

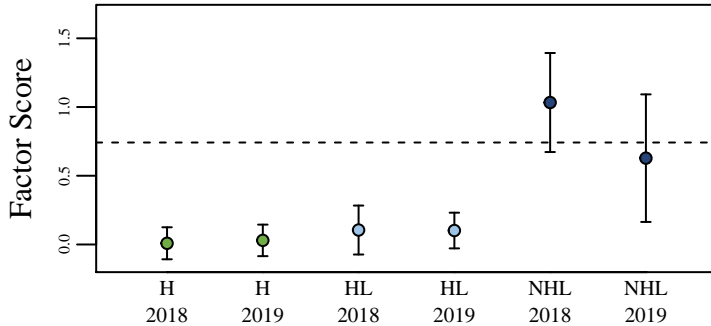


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

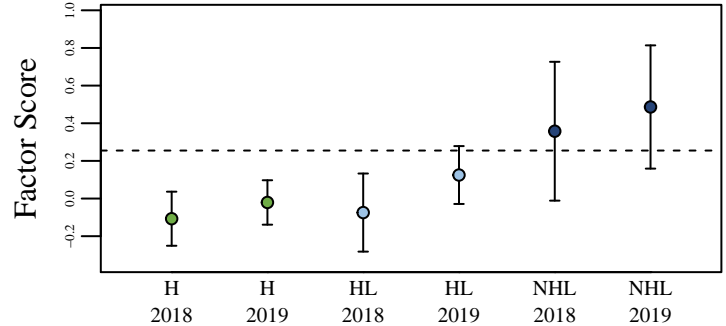


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

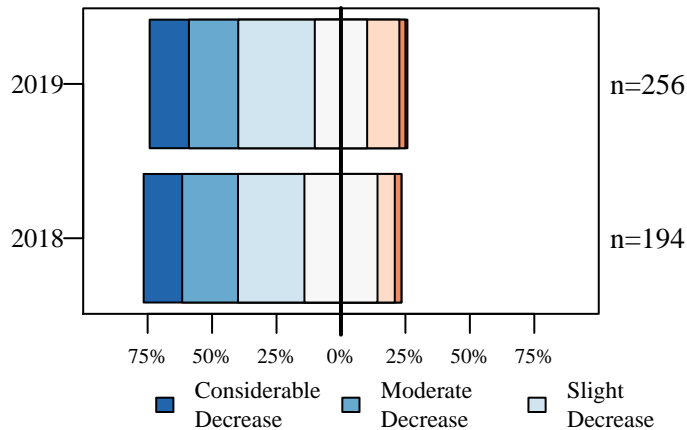


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

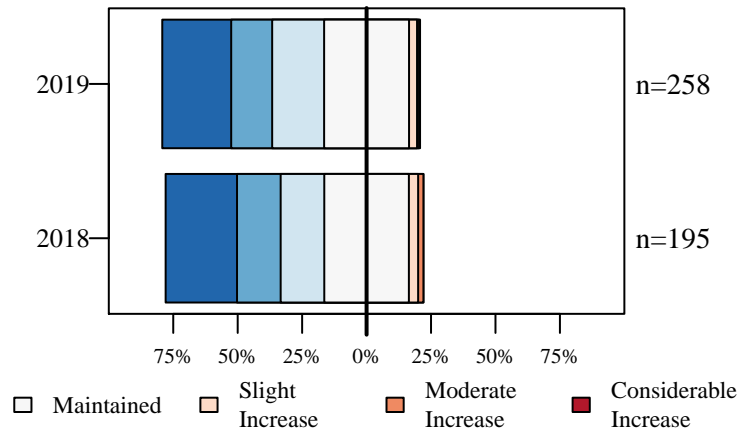


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

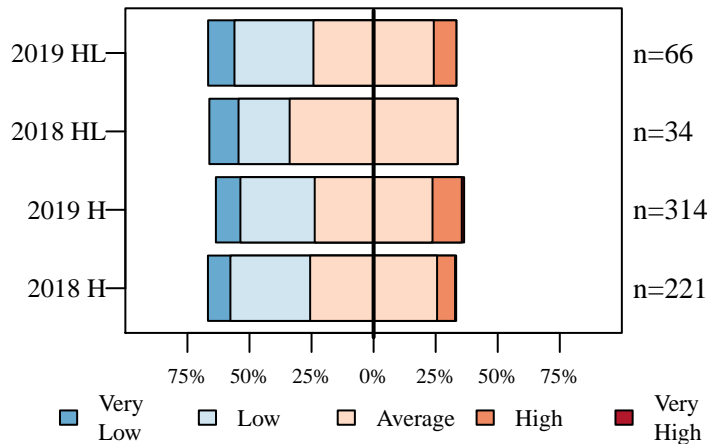


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

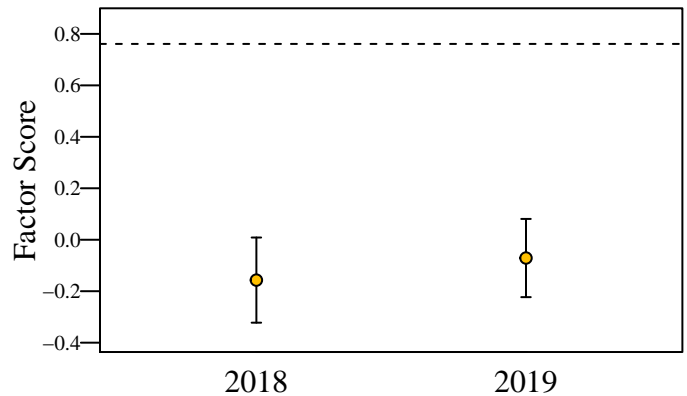


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Newton County

6/26/2019

Total Square Miles: 403  
 Square Miles of Deer Habitat: 63  
 Percent Deer Habitat: 15

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	999		572		9.08	427		6.78	42.74		79		2
2006	1,008		557		8.84	451		7.16	44.74		102		2
2007	1,038		545		8.65	493		7.83	47.50		128		2
2008	1,140		643		10.21	497		7.89	43.60		97		3
2009	989		533		8.46	456		7.24	46.11		127		4
2010	1,117	1.33	599	0.67	9.51	518	1.79	8.22	46.37		90	-0.79	4
2011	963	-1.43	509	-1.47	8.08	454	-1.01	7.21	47.14		83	-1.47	4
2012	956	-1.21	481	-1.56	7.63	475	-0.31	7.54	49.69		72	-1.56	4
2013	797	-2.67	424	-1.94	6.73	373	-3.90	5.92	46.80		91	-0.14	4
2014	765	-1.75	407	-1.58	6.46	358	-1.85	5.68	46.80		77	-0.75	3
2015	750	-1.19	412	-0.94	6.54	338	-1.43	5.37	45.07		90	0.90	3
2016	718	-1.22	416	-0.67	6.60	302	-1.60	4.79	42.06	0	75	-0.93	3
2017	748	-0.53	405	-0.76	6.43	343	-0.40	5.44	45.86	0	93	1.46	2
2018	784	0.99	449	4.77	7.13	335	-0.29	5.32	42.73	0	88	0.59	2

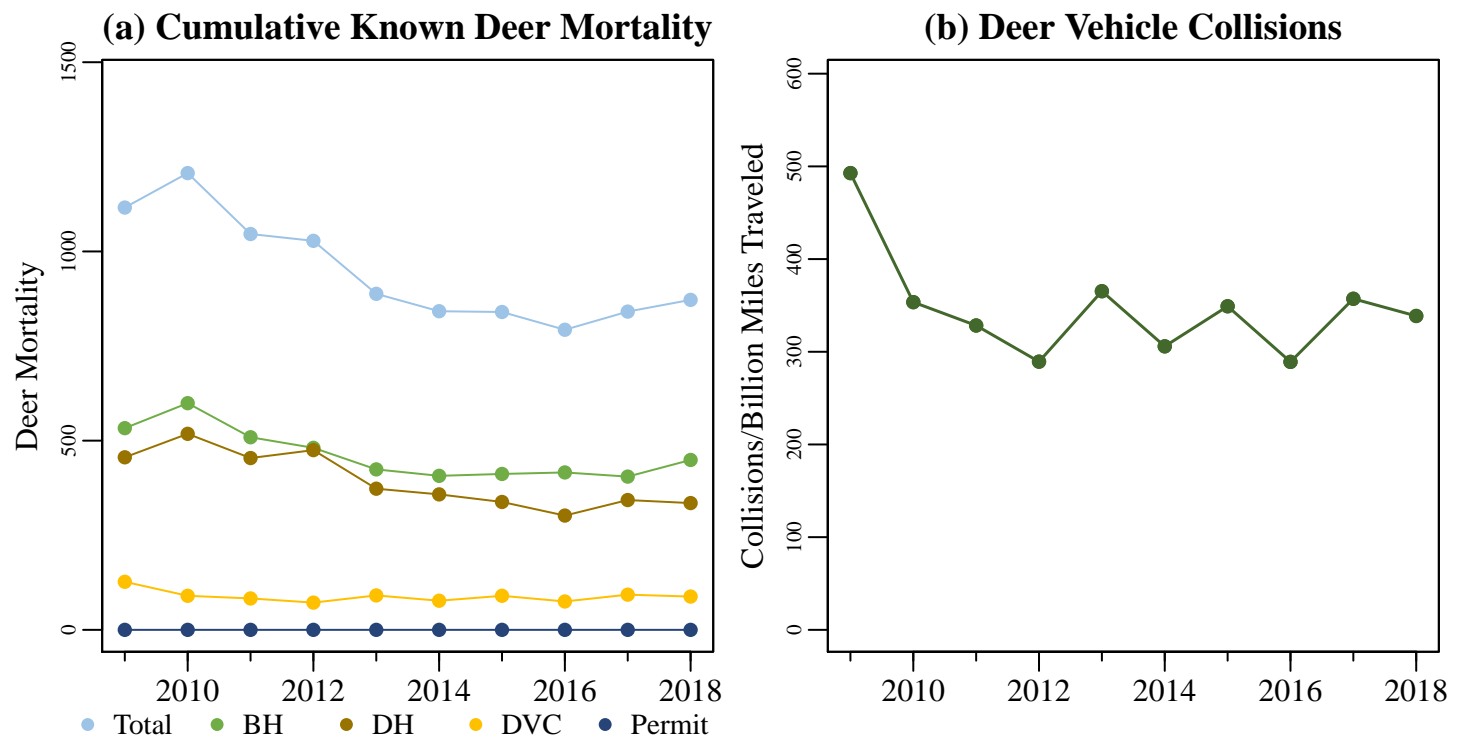


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Newton County

6/26/2019

Total Square Miles: 403  
 Square Miles of Deer Habitat: 63  
 Percent Deer Habitat: 15

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	610	241	367	2	0	287	271	48	4	0	0	0	0	0	0	0
2016	591	233	356	2	0	292	247	45	7	0	0	0	0	0	0	0
2017	584	266	314	4	0	240	272	62	10	0	0	0	0	0	0	0
2018	634	254	379	1	0	289	290	52	3	0	0	0	0	0	0	0

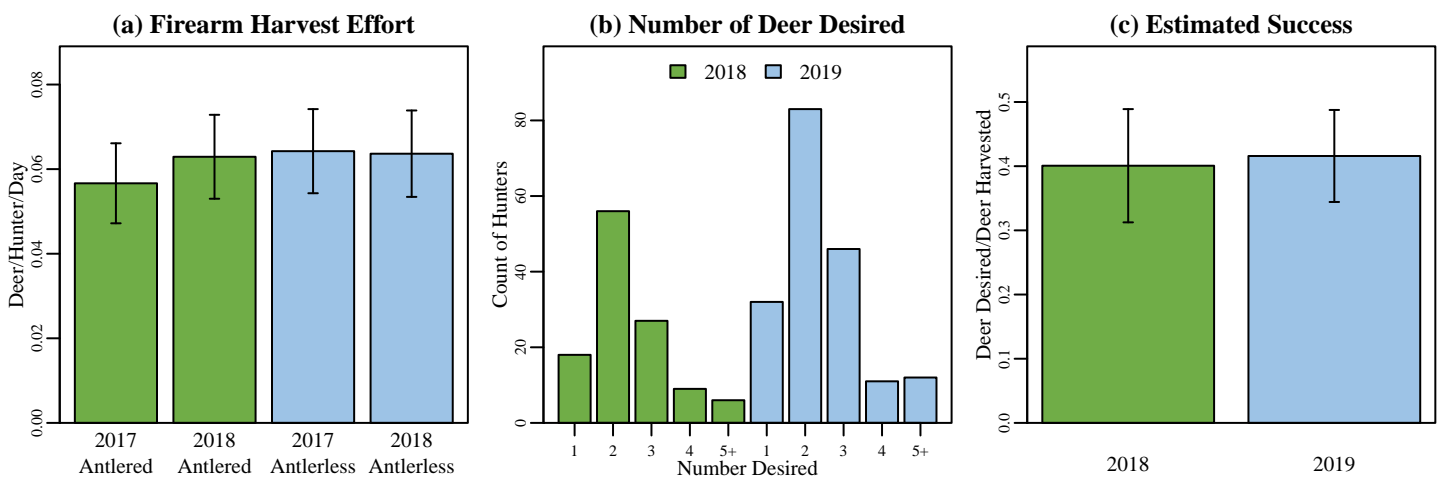
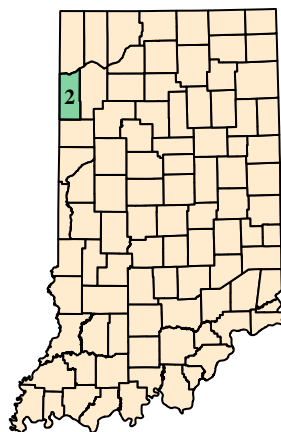


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Newton County Map



## (b) Deer Habitat in Newton County

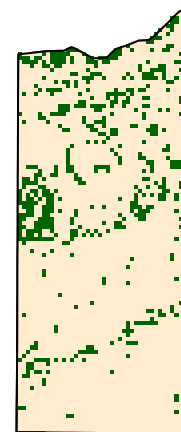


Figure 3. (a) Newton County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Newton County.

# Newton County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

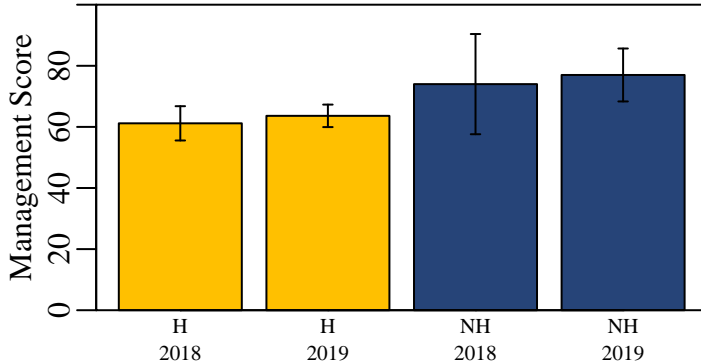


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

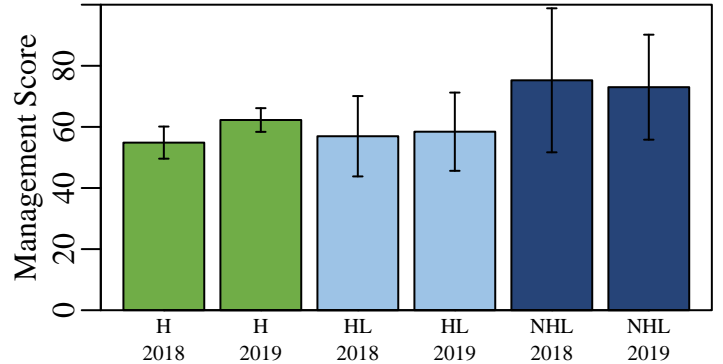


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

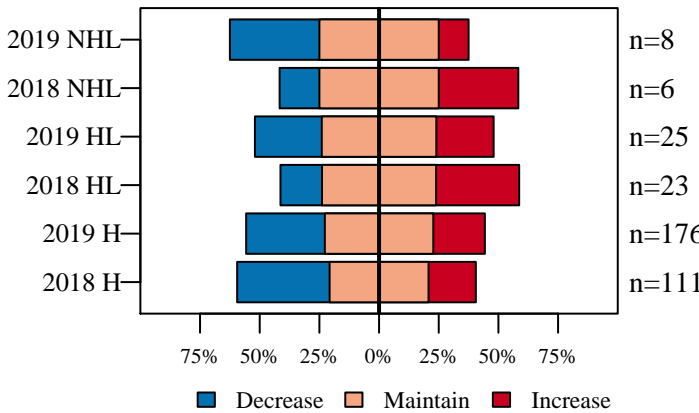


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

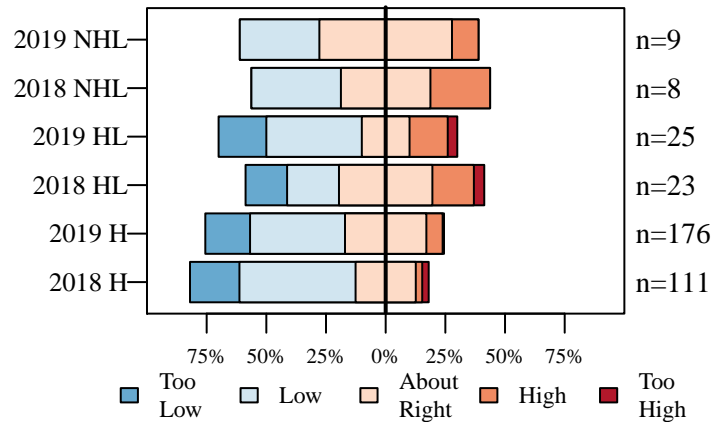


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

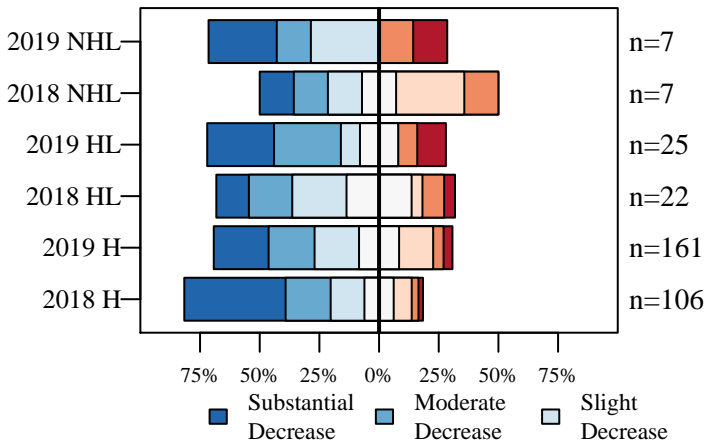


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

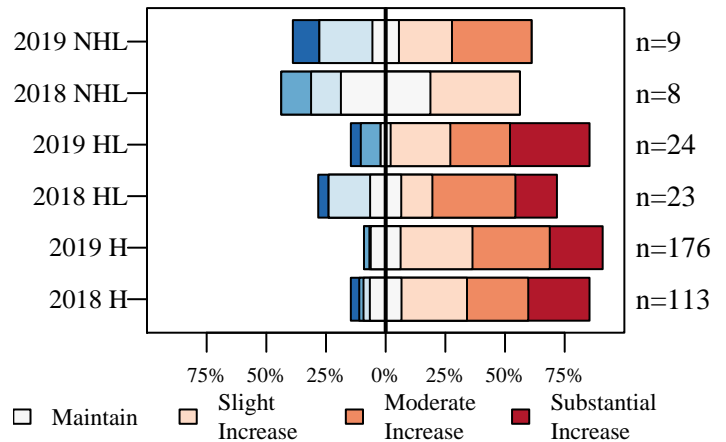


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Newton County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

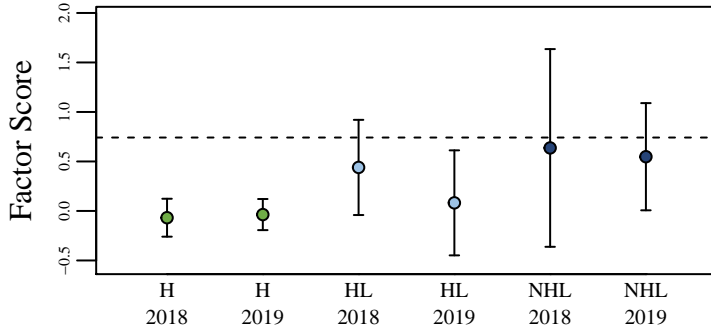


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

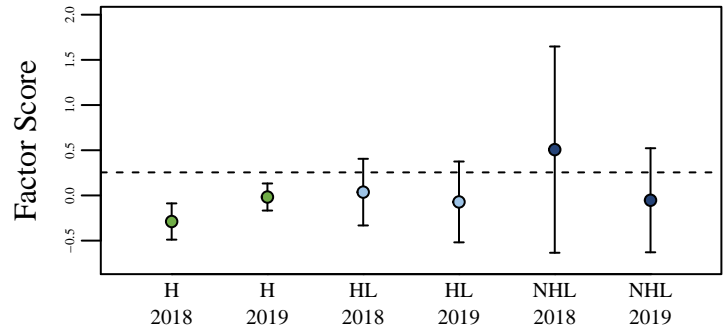


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

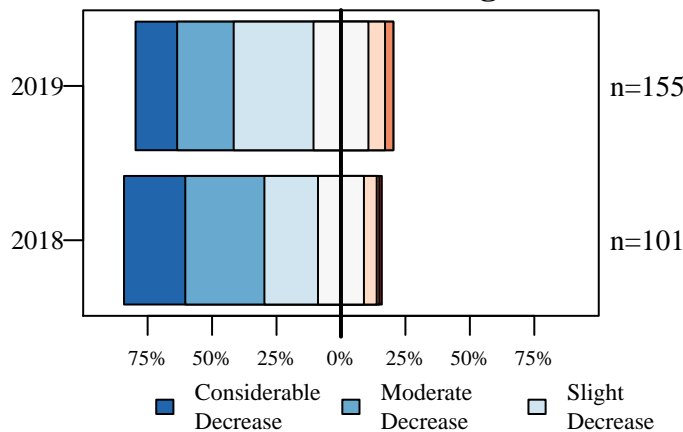


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

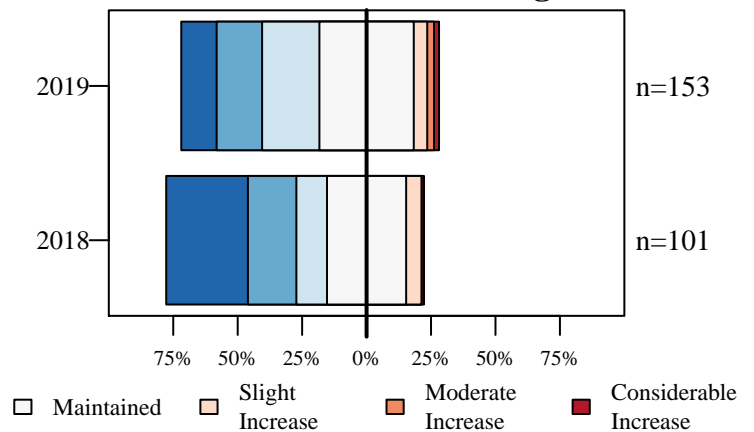


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

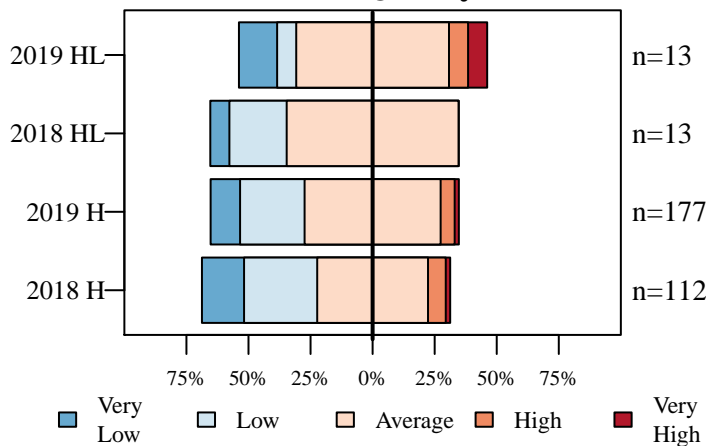


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

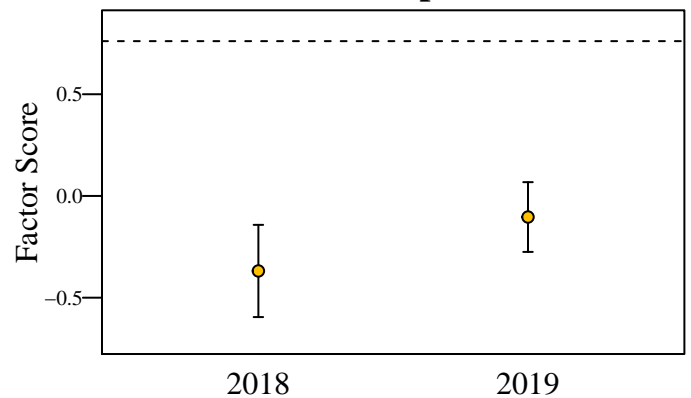


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Noble County

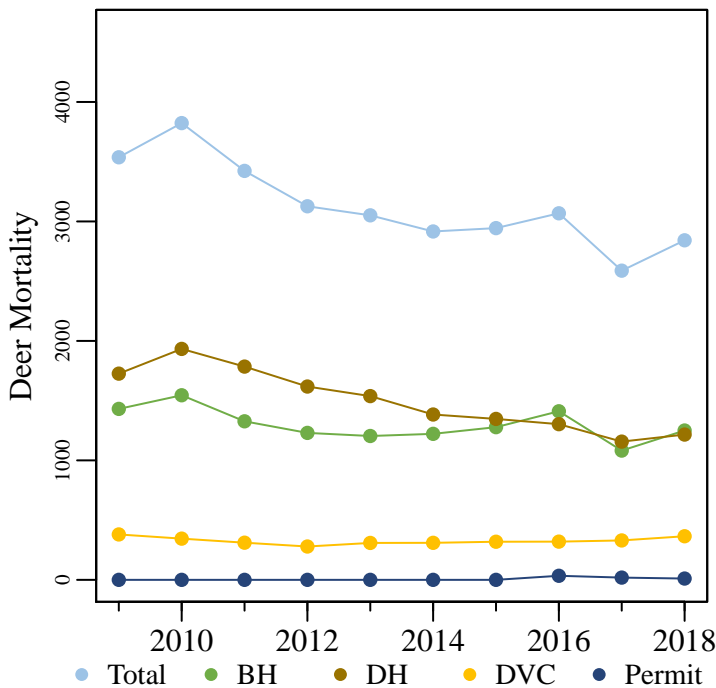
6/26/2019

Total Square Miles: 417  
 Square Miles of Deer Habitat: 109  
 Percent Deer Habitat: 26

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,847		1,343		12.32	1,504		13.80	52.83		382		2
2006	2,694		1,248		11.45	1,446		13.27	53.67		392		2
2007	2,844		1,310		12.02	1,534		14.07	53.94		364		2
2008	3,331		1,456		13.36	1,875		17.20	56.29		324		3
2009	3,157		1,431		13.13	1,726		15.83	54.67		380		4
2010	3,478	1.93	1,545	2.18	14.17	1,933	1.77	17.73	55.58		345	-0.87	4
2011	3,112	0.03	1,327	-0.60	12.17	1,785	0.39	16.38	57.36		311	-1.84	8
2012	2,848	-1.40	1,230	-1.90	11.28	1,618	-0.99	14.84	56.81		279	-2.33	8
2013	2,742	-1.86	1,204	-1.59	11.05	1,538	-2.01	14.11	56.09		309	-0.50	4
2014	2,606	-1.60	1,222	-0.88	11.21	1,384	-2.20	12.70	53.11		310	-0.38	4
2015	2,625	-0.96	1,278	-0.19	11.72	1,347	-1.43	12.36	51.31		319	0.35	4
2016	2,714	-0.35	1,411	3.18	12.94	1,303	-1.30	11.95	48.01	34	320	0.94	4
2017	2,239	-4.80	1,082	-2.23	9.93	1,157	-2.10	10.61	51.67	19	330	1.47	3
2018	2,466	-0.59	1,250	0.09	11.47	1,216	-0.94	11.16	49.31	11	365	3.37	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

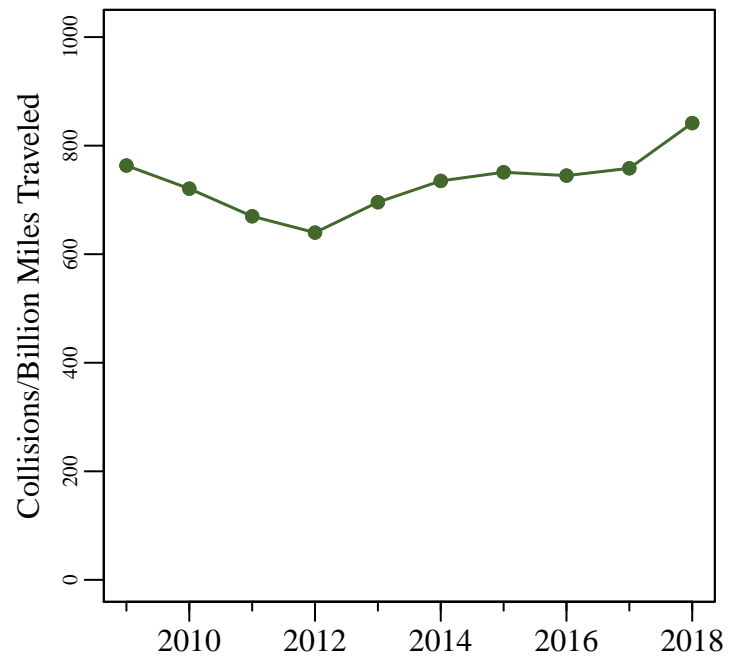


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Noble County

6/26/2019

Total Square Miles: 417  
 Square Miles of Deer Habitat: 109  
 Percent Deer Habitat: 26

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,944	974	968	2	0	698	938	239	46	16	7	0	0	0	0	0
2016	1,974	896	1,071	7	0	767	885	244	58	18	2	0	0	0	0	0
2017	1,694	855	832	7	0	596	863	187	37	10	1	0	0	0	0	0
2018	1,867	882	982	3	0	720	875	219	47	6	0	0	0	0	0	0

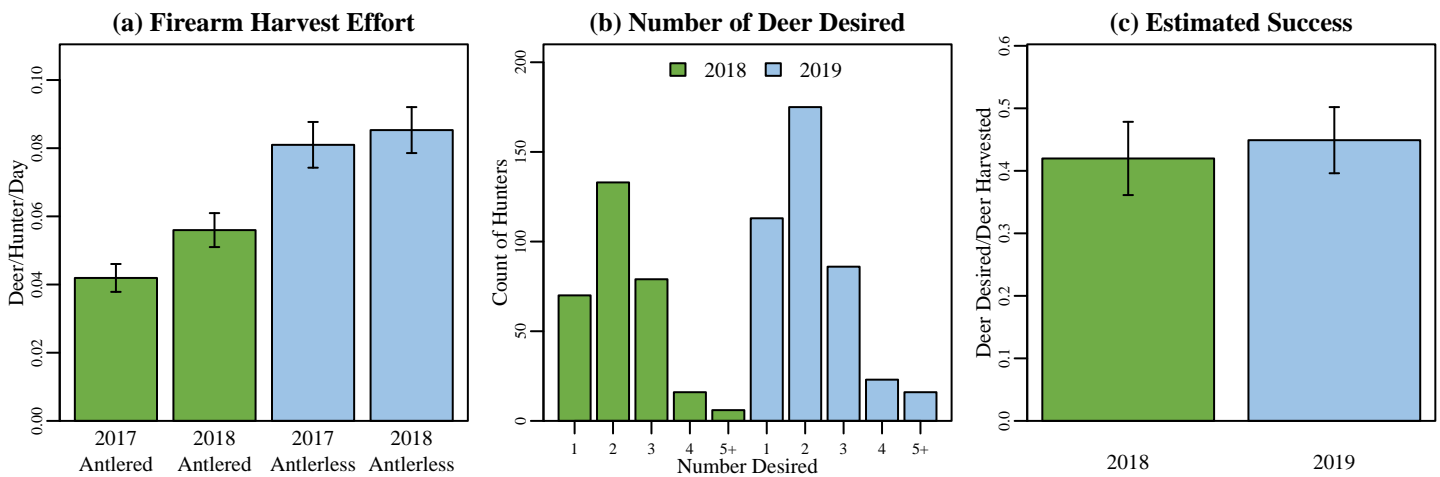
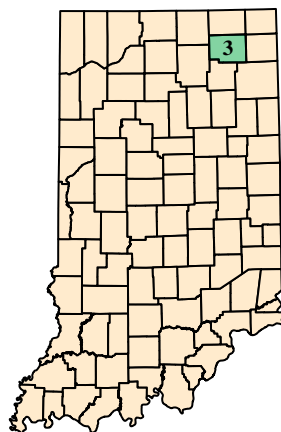


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Noble County Map



## (b) Deer Habitat in Noble County

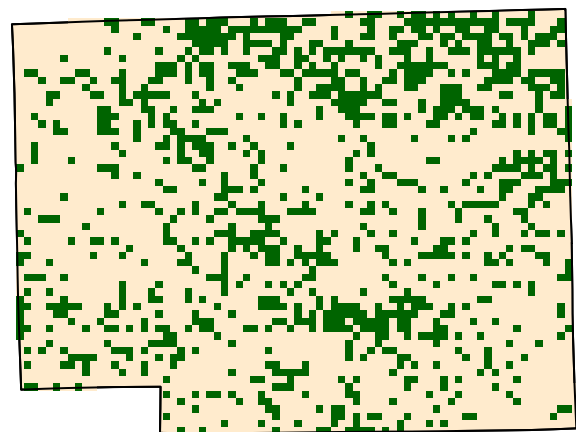


Figure 3. (a) Noble County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Noble County.

# Noble County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

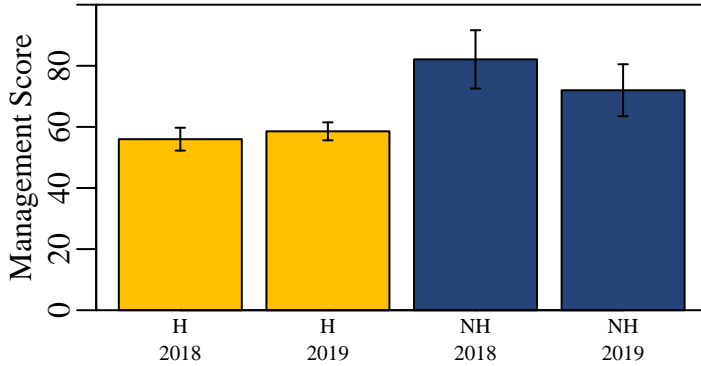


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

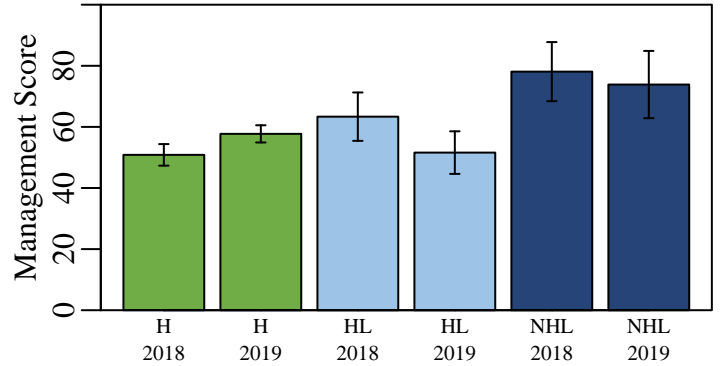


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

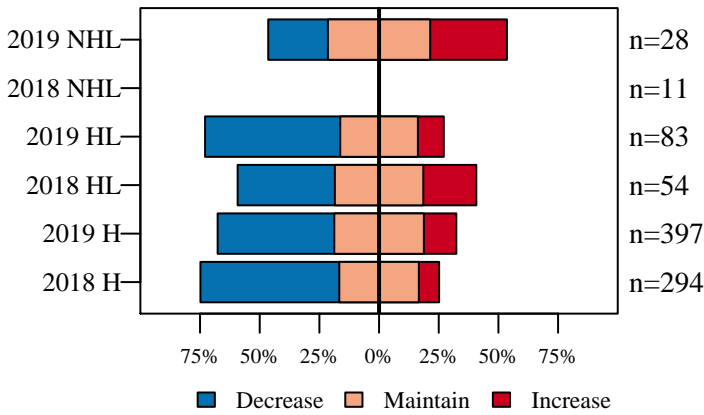


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

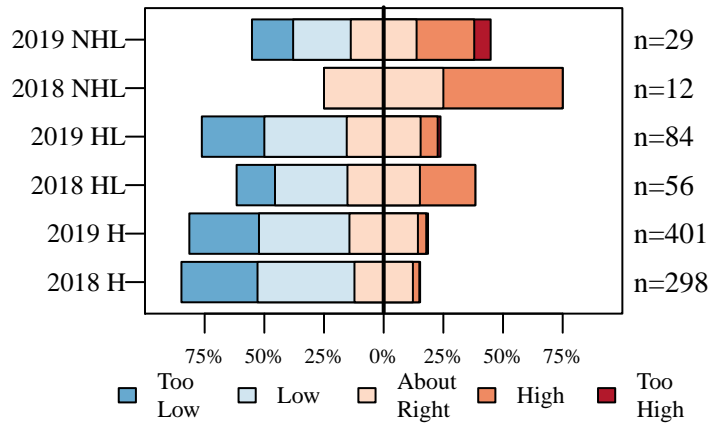


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

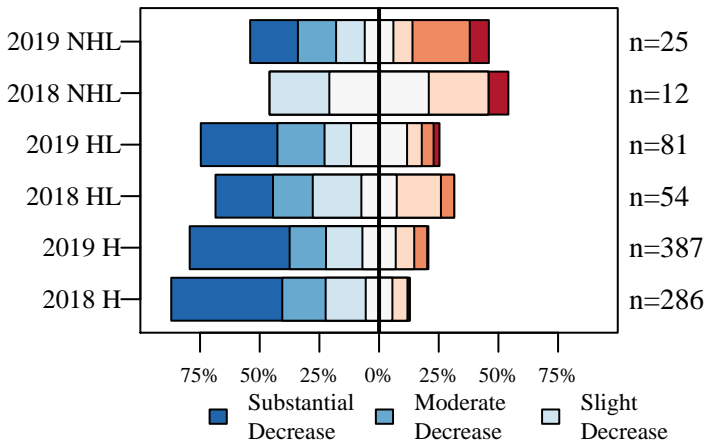


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

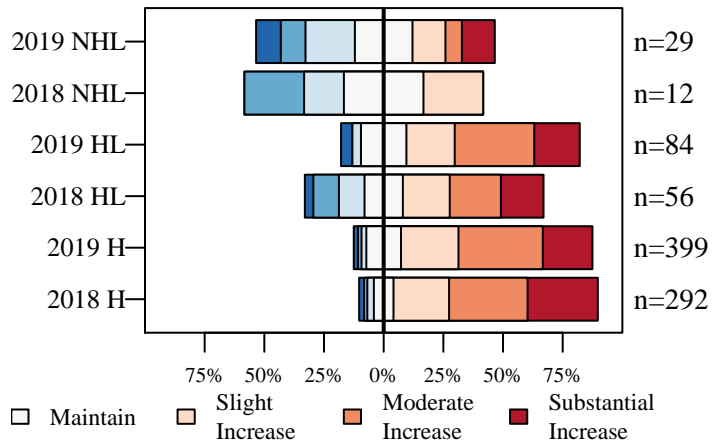


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Noble County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

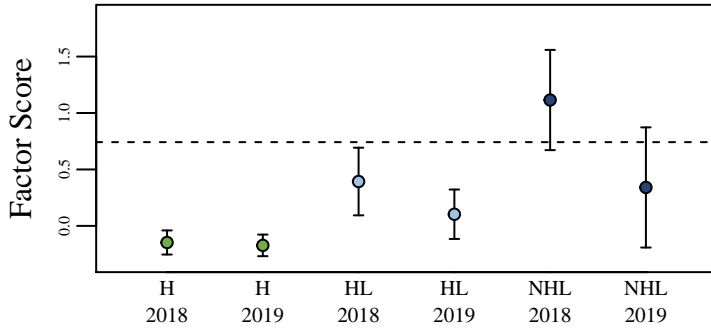


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

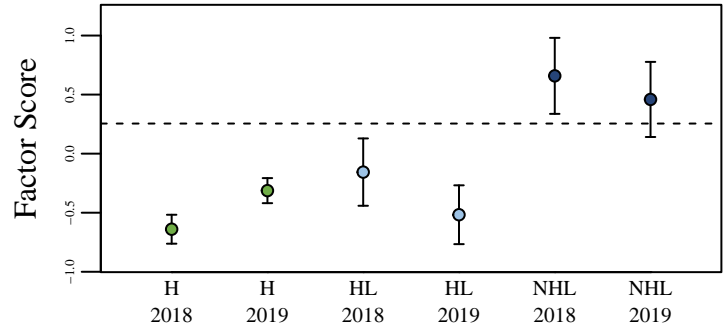


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

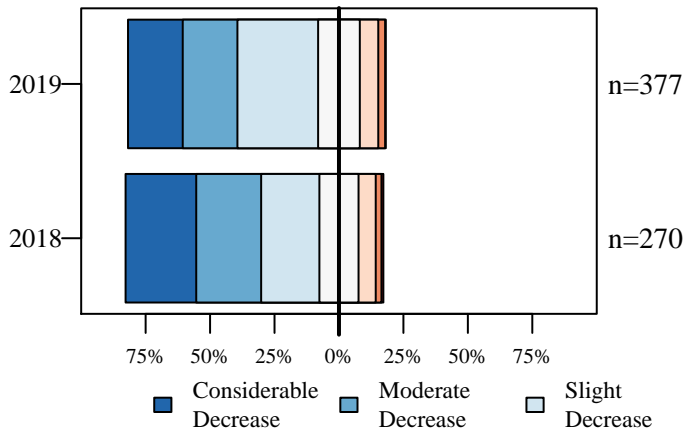


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

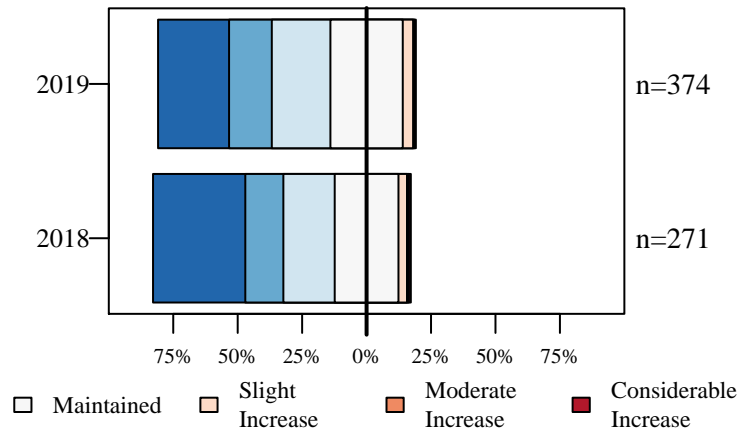


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

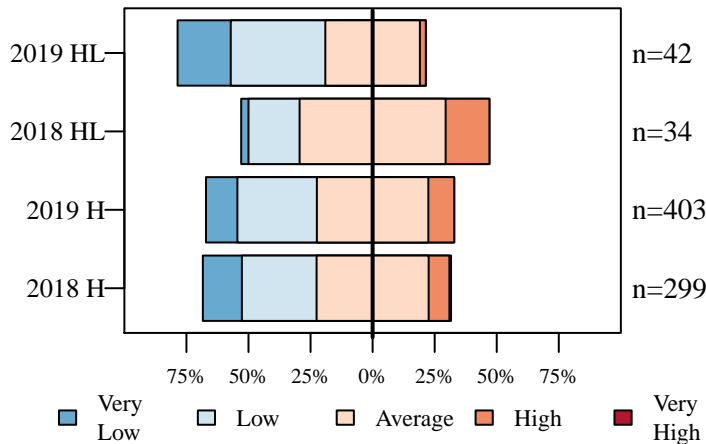


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

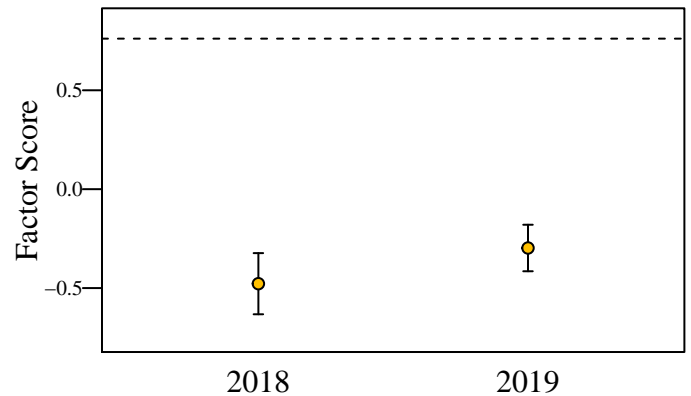


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Ohio County

6/26/2019

Total Square Miles: 87  
 Square Miles of Deer Habitat: 74  
 Percent Deer Habitat: 85

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,068		496		6.70	572		7.73	53.56		70		8
2006	949		402		5.43	547		7.39	57.64		73		8
2007	1,013		444		6.00	569		7.69	56.17		117		8
2008	1,002		404		5.46	598		8.08	59.68		74		8
2009	1,106		525		7.09	581		7.85	52.53		90		8
2010	1,137	1.80	541	1.58	7.31	596	1.22	8.05	52.42		73	-0.60	8
2011	1,129	1.13	523	0.90	7.07	606	1.32	8.19	53.68		74	-0.60	8
2012	1,186	1.67	490	0.04	6.62	696	7.15	9.41	58.68		60	-1.35	8
2013	907	-3.01	430	-1.21	5.81	477	-3.01	6.45	52.59		56	-1.71	8
2014	822	-2.51	406	-2.17	5.49	416	-2.24	5.62	50.61		20	-3.77	8
2015	810	-1.40	444	-0.58	6.00	366	-1.73	4.95	45.19		60	0.16	8
2016	818	-0.87	455	-0.08	6.15	363	-1.09	4.91	44.38	66	45	-0.45	4
2017	733	-1.10	383	-1.99	5.18	350	-0.82	4.73	47.75	44	50	-0.14	4
2018	539	-4.52	289	-4.62	3.91	250	-2.75	3.38	46.38	25	56	0.23	3

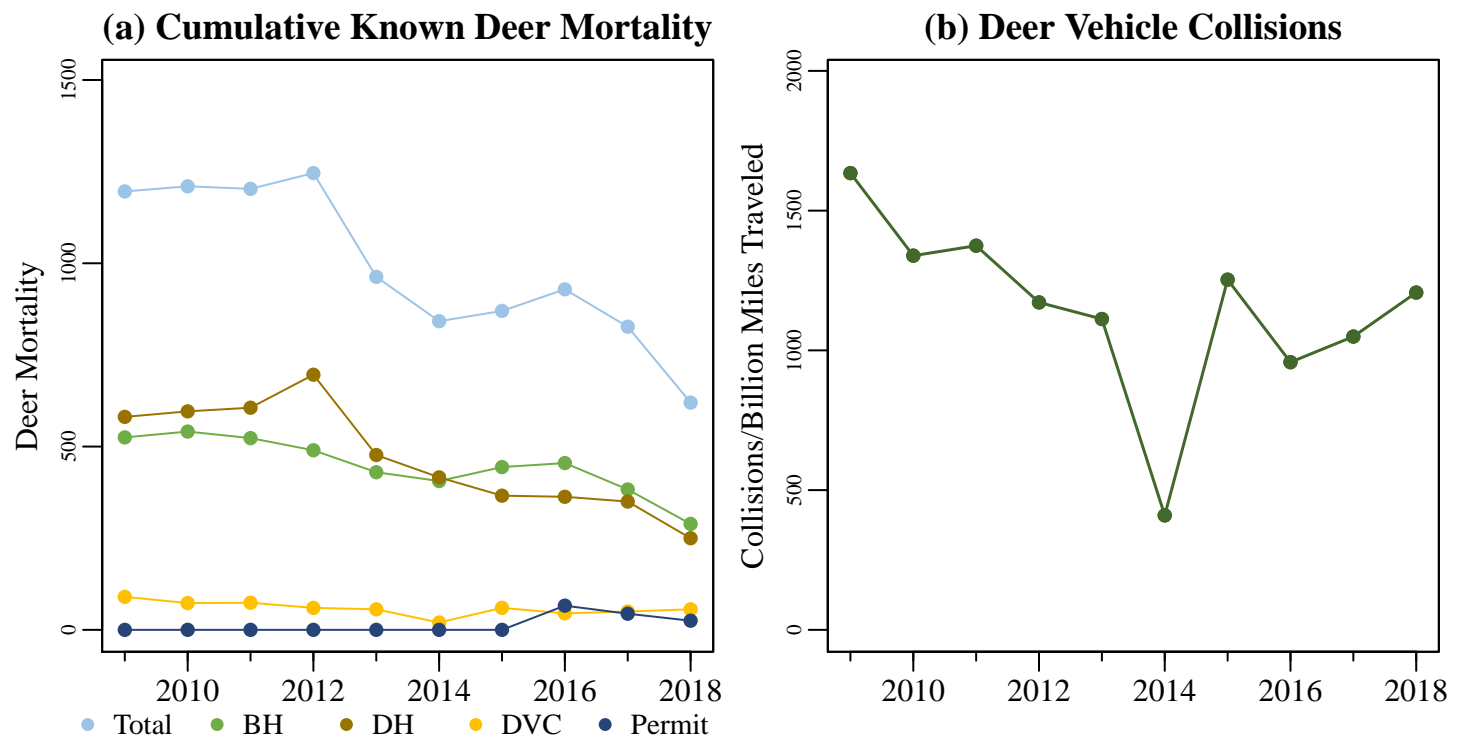


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Ohio County

6/26/2019

Total Square Miles: 87  
 Square Miles of Deer Habitat: 74  
 Percent Deer Habitat: 85

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	626	259	364	3	0	304	235	64	17	4	2	0	0	0	0	0
2016	629	239	387	3	0	299	246	75	7	2	0	0	0	0	0	0
2017	551	233	313	5	0	246	222	66	12	5	0	0	0	0	0	0
2018	436	185	251	0	0	195	198	39	4	0	0	0	0	0	0	0

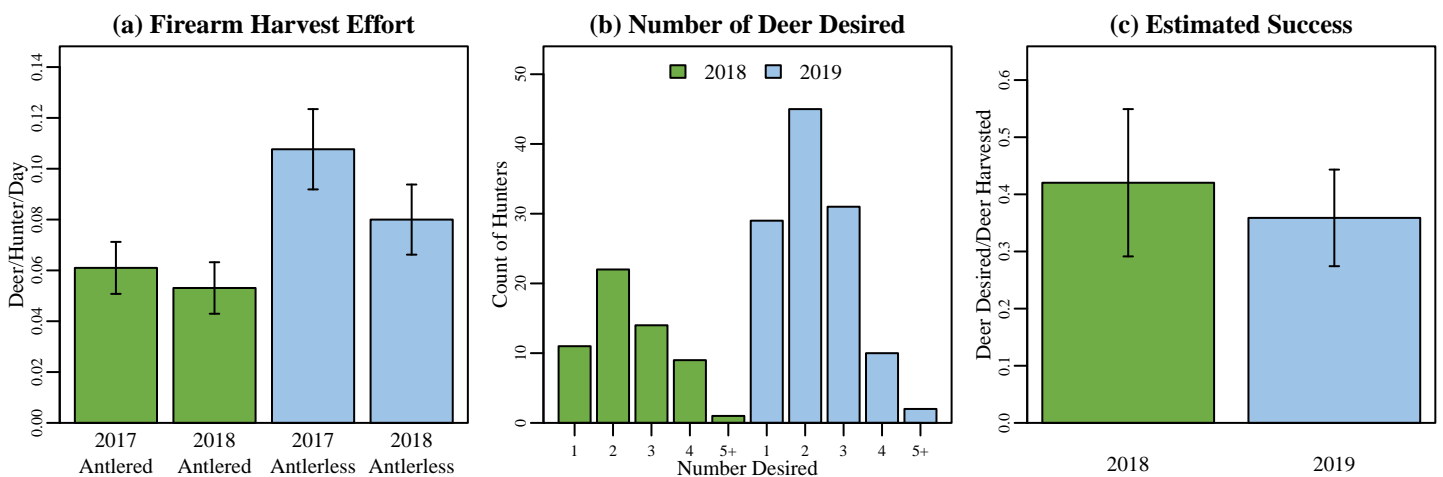
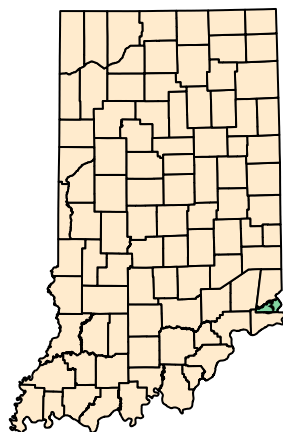


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Ohio County Map



## (b) Deer Habitat in Ohio County

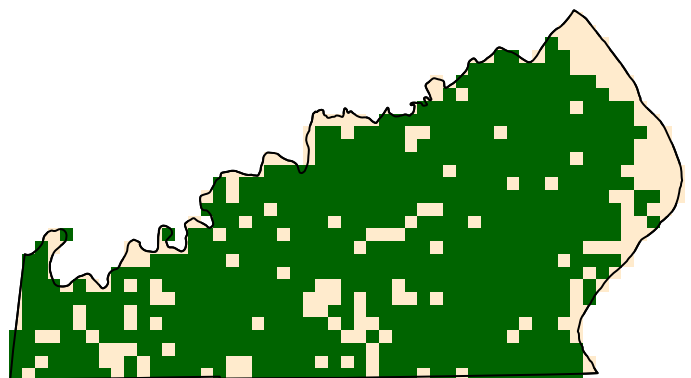


Figure 3. (a) Ohio County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Ohio County.

# Ohio County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

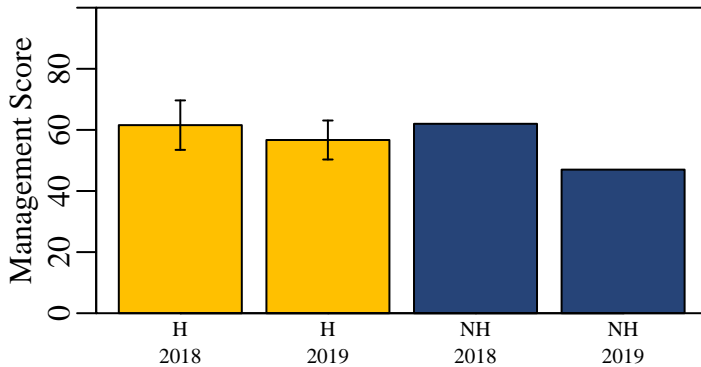


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

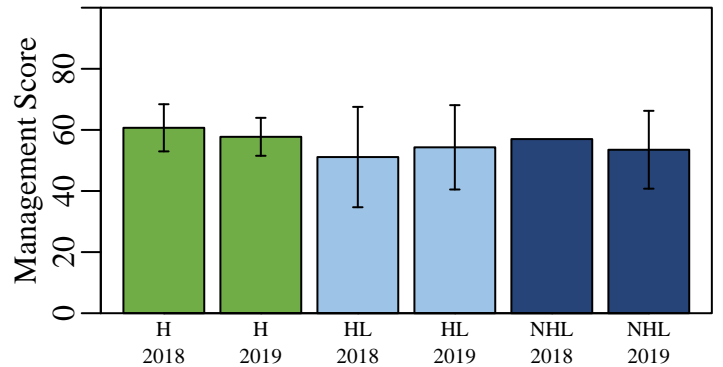


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

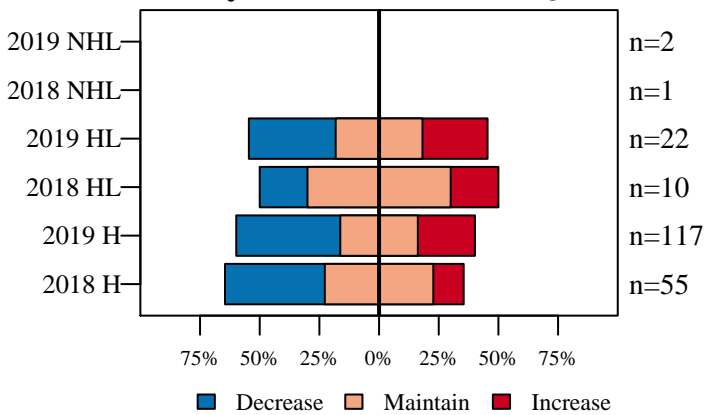


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

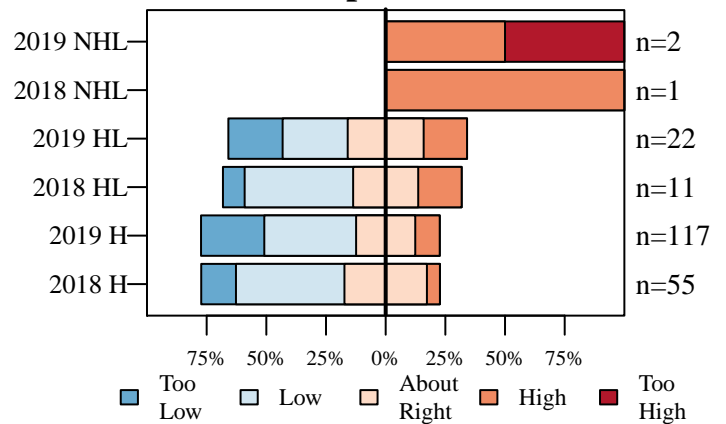


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

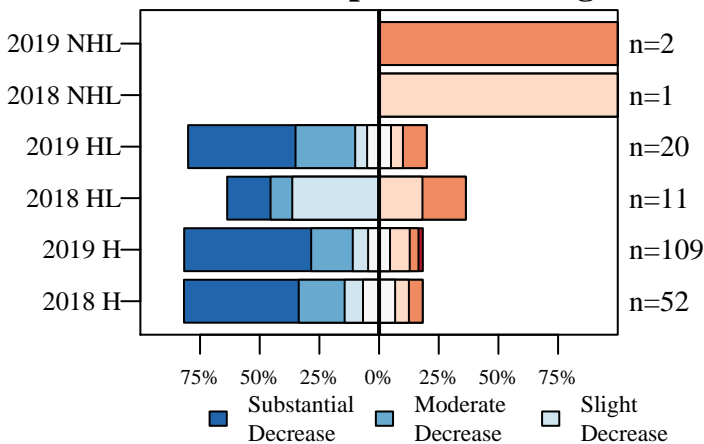


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

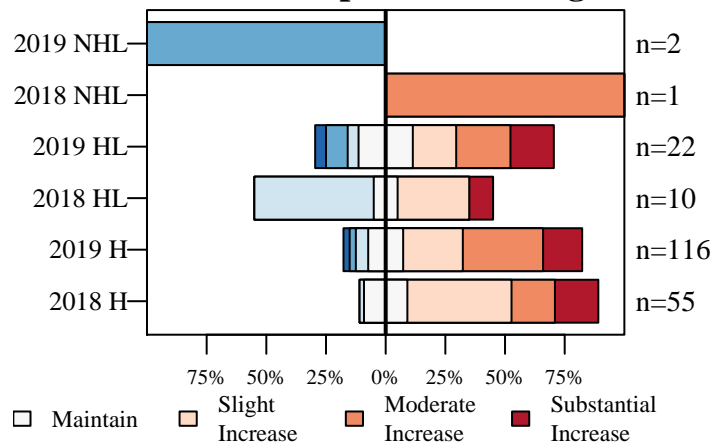


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Ohio County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

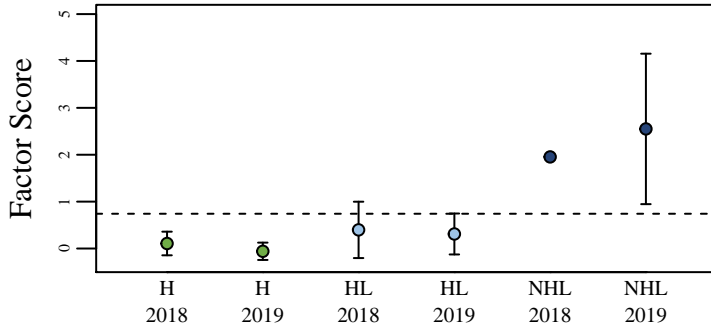


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

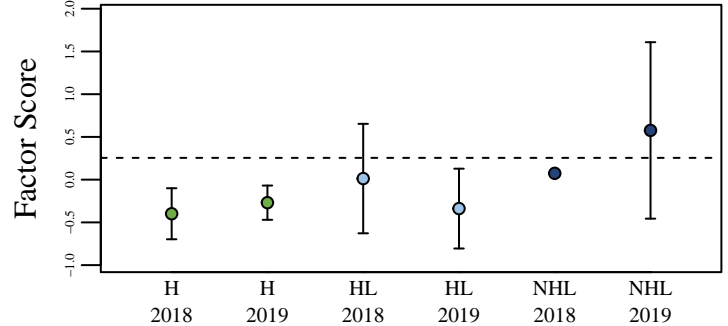


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

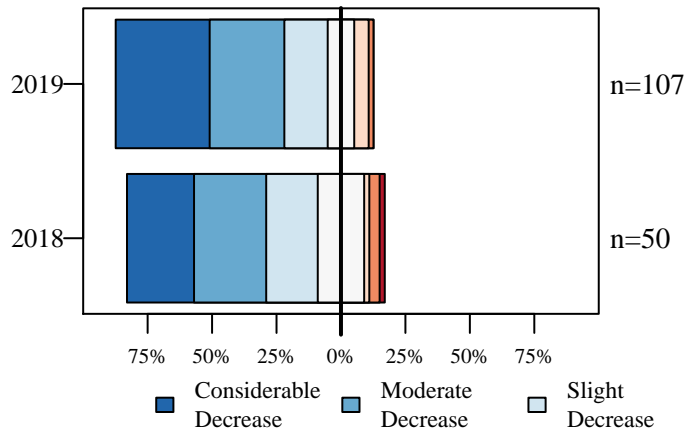


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

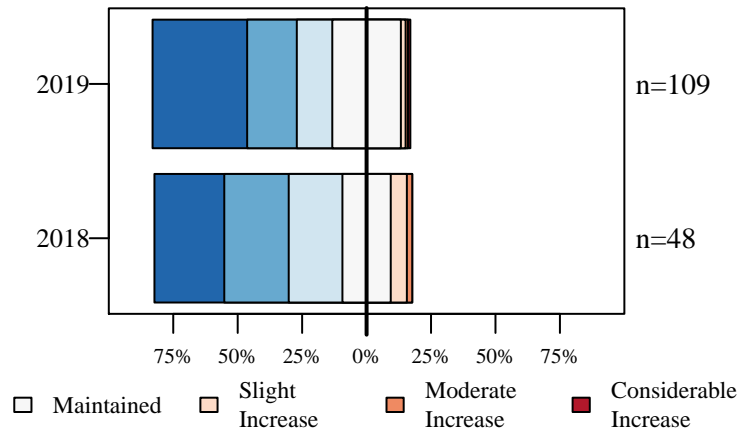


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

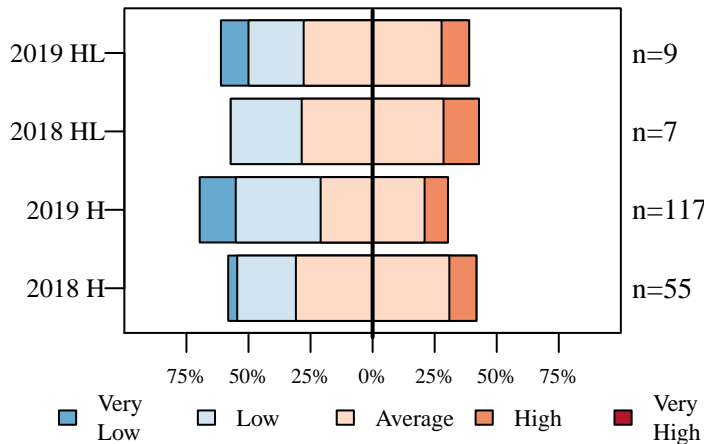


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

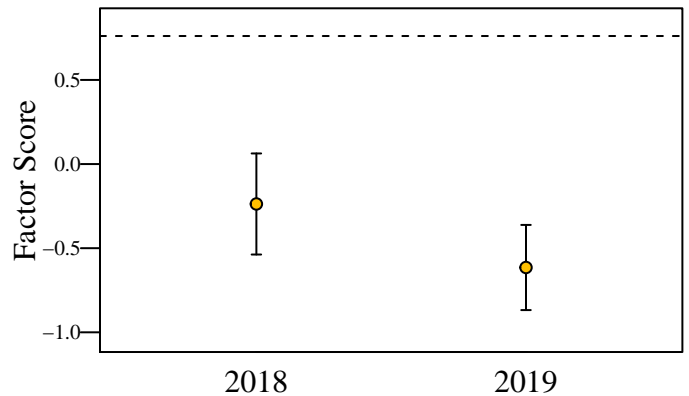


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Orange County

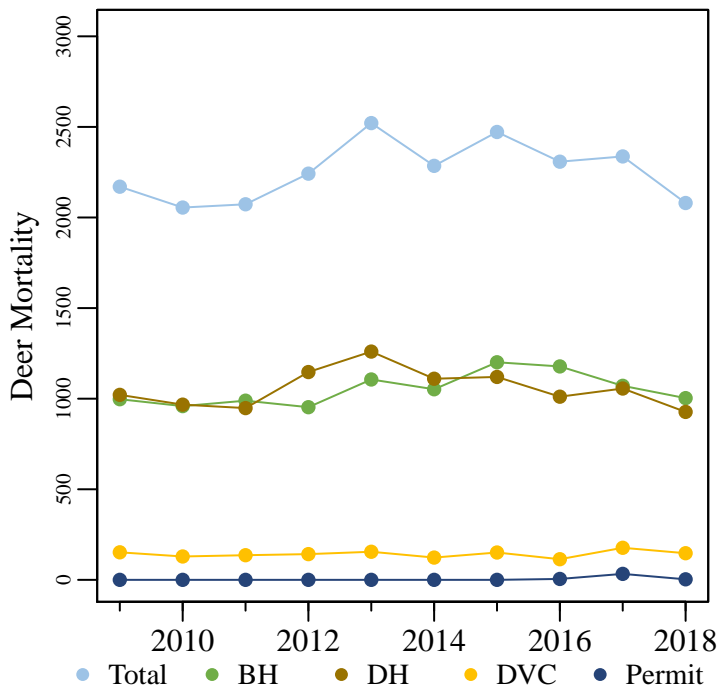
6/26/2019

Total Square Miles: 408  
 Square Miles of Deer Habitat: 310  
 Percent Deer Habitat: 75

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,063		998		3.22	1,065		3.44	51.62		105		4
2006	2,106		1,036		3.34	1,070		3.45	50.81		138		4
2007	1,780		881		2.84	899		2.90	50.51		139		4
2008	1,904		917		2.96	987		3.18	51.84		145		4
2009	2,018		997		3.22	1,021		3.29	50.59		152		4
2010	1,926	-0.36	959	-0.11	3.09	967	-0.59	3.12	50.21		129	-0.38	4
2011	1,937	-0.08	989	0.50	3.19	948	-0.64	3.06	48.94		136	-0.54	4
2012	2,100	2.18	953	0.09	3.07	1,147	4.02	3.70	54.62		142	0.21	4
2013	2,366	4.79	1,106	4.49	3.57	1,260	3.11	4.06	53.25		155	1.62	4
2014	2,162	0.51	1,052	0.83	3.39	1,110	0.31	3.58	51.34		123	-1.83	4
2015	2,321	1.23	1,201	2.88	3.87	1,120	0.26	3.61	48.26		151	1.13	4
2016	2,189	0.07	1,178	1.20	3.80	1,011	-0.95	3.26	46.19	5	114	-2.16	4
2017	2,127	-0.90	1,071	-0.27	3.45	1,056	-0.82	3.41	49.65	33	177	2.52	4
2018	1,930	-2.90	1,003	-1.81	3.24	927	-1.96	2.99	48.03	3	147	0.21	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

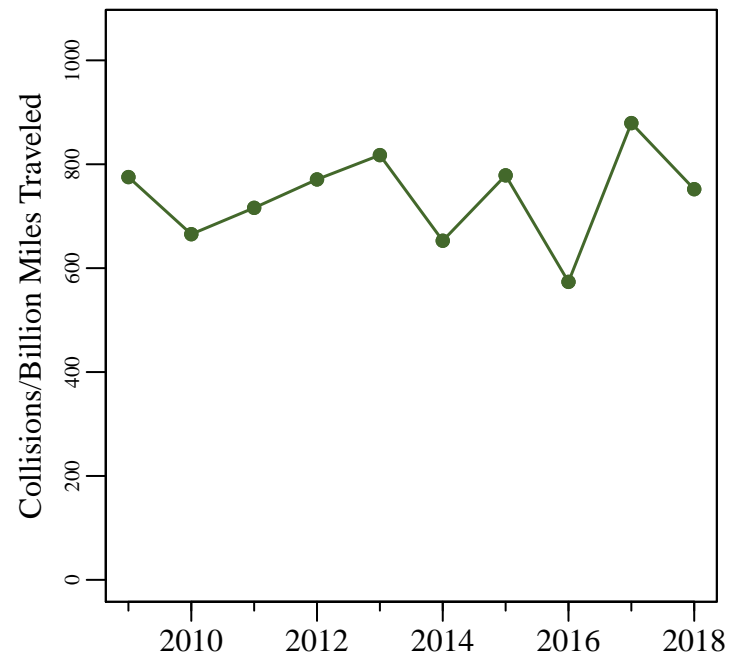


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Orange County

6/26/2019

Total Square Miles: 408  
 Square Miles of Deer Habitat: 310  
 Percent Deer Habitat: 75

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,723	728	992	3	0	717	765	180	47	13	1	0	0	0	0	0
2016	1,630	690	928	12	0	680	719	186	37	5	3	0	0	0	0	0
2017	1,583	734	844	5	0	626	716	189	34	14	3	1	0	0	0	0
2018	1,443	631	809	3	0	594	642	154	47	6	0	0	0	0	0	0

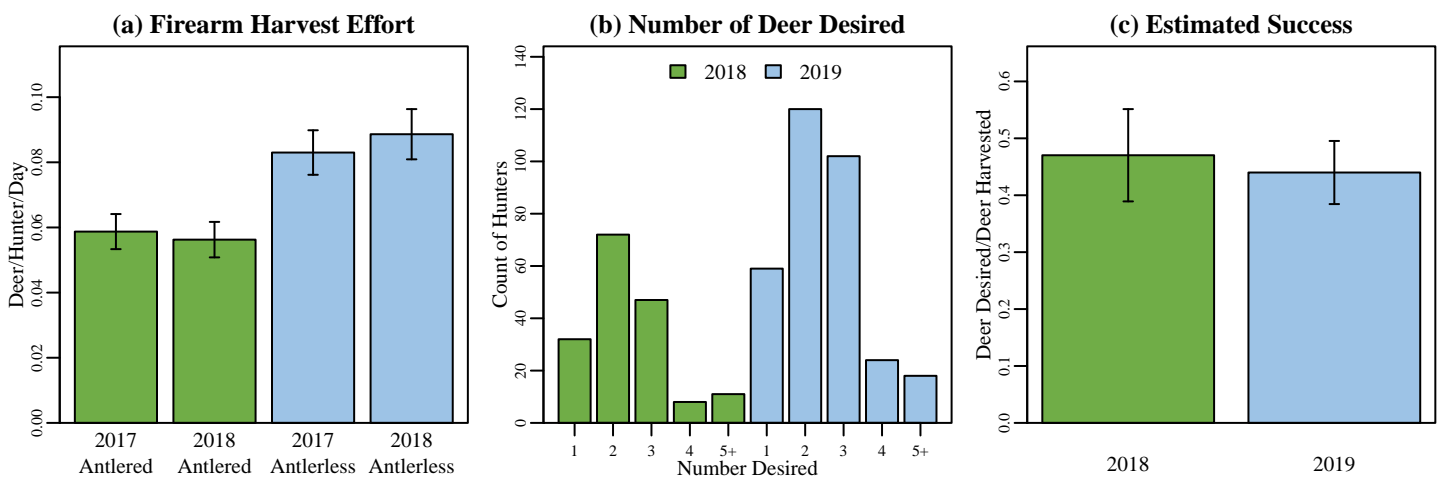
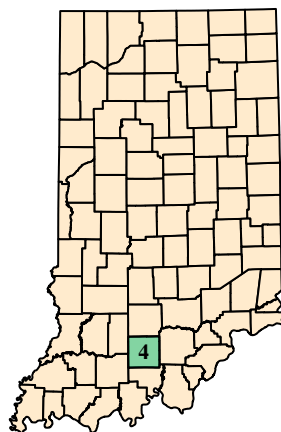


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Orange County Map



## (b) Deer Habitat in Orange County

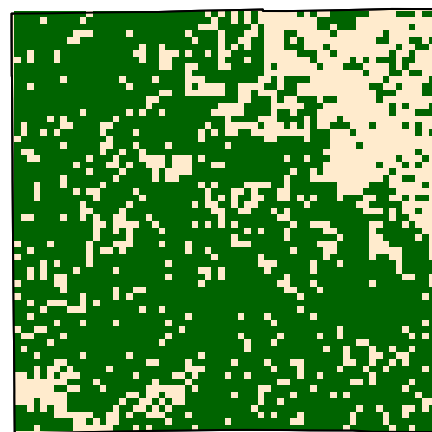


Figure 3. (a) Orange County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Orange County.

# Orange County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

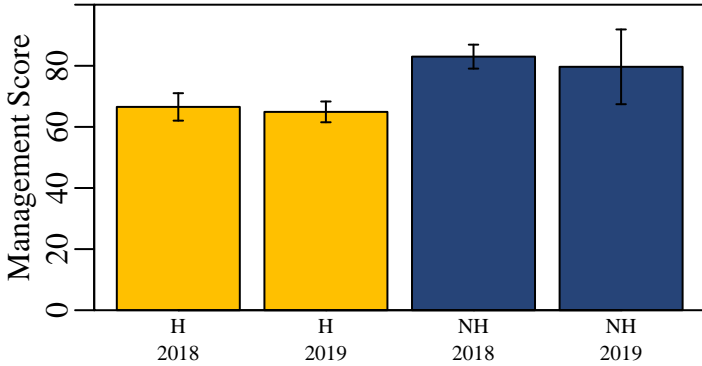


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

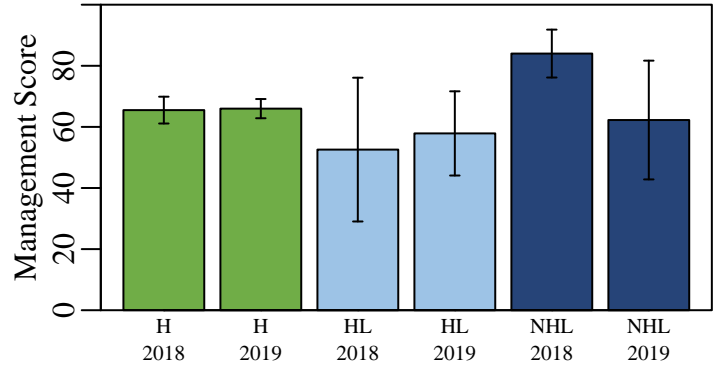


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

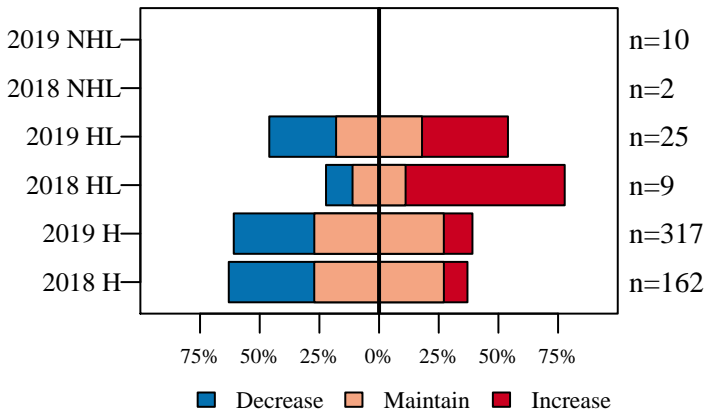


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

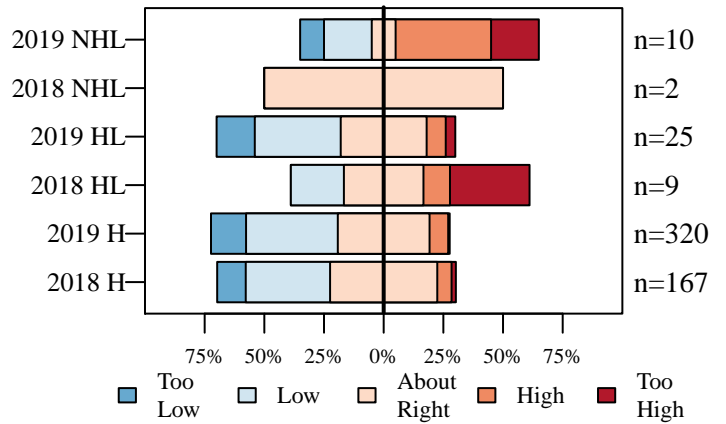


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

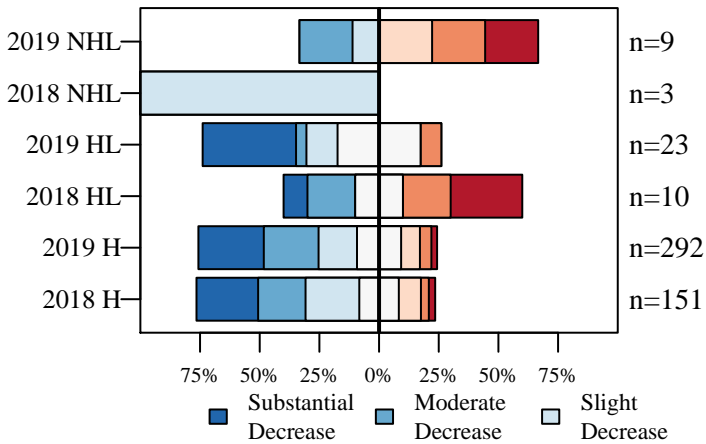


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

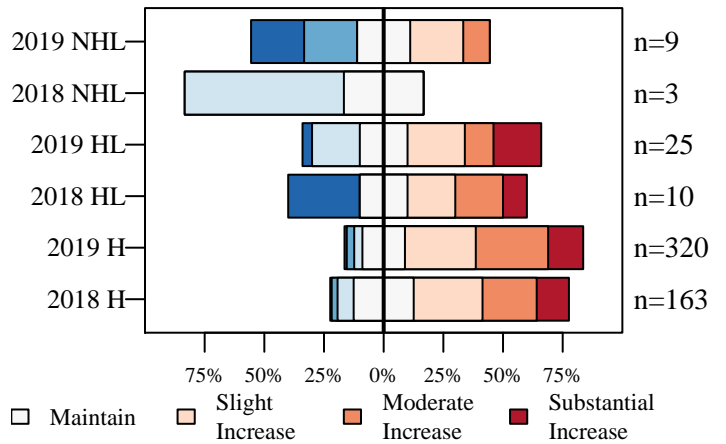


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Orange County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

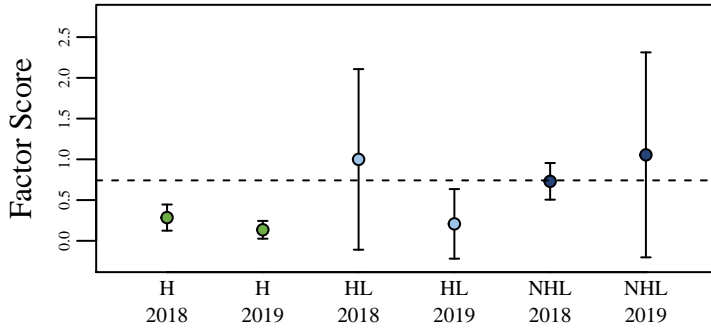


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

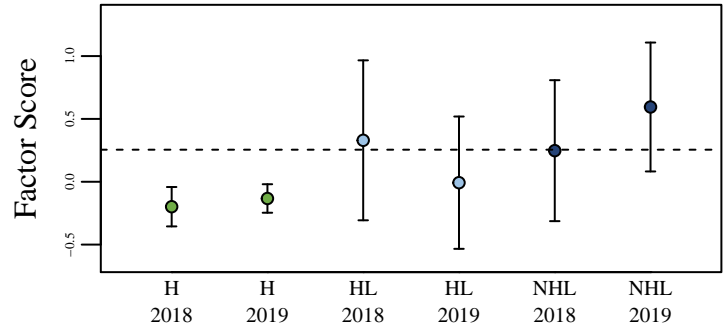


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

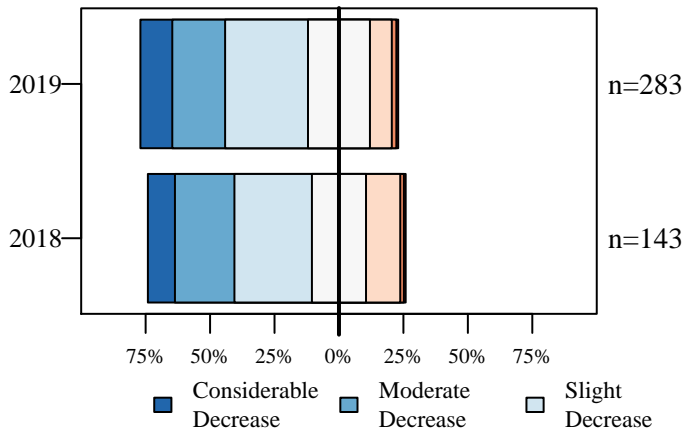


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

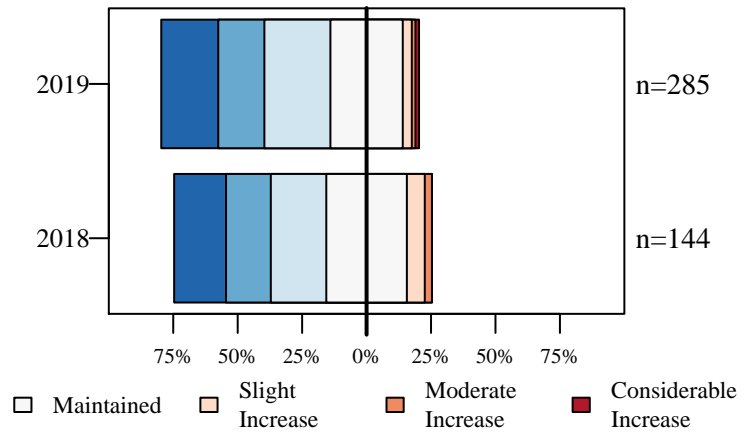


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

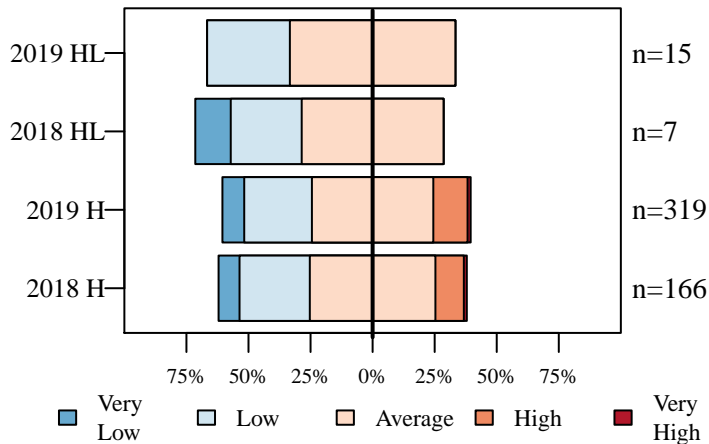


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

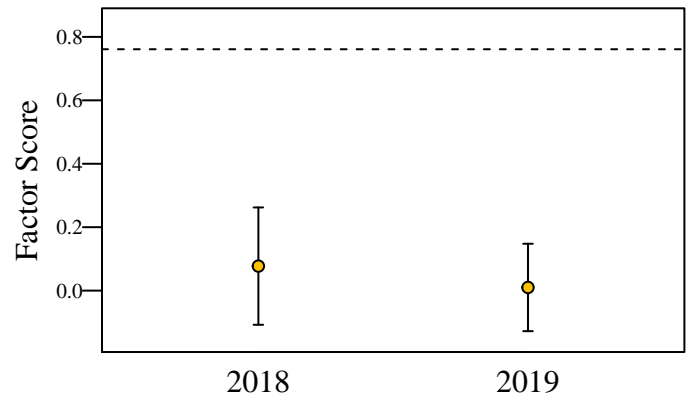


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Owen County

6/26/2019

Total Square Miles: 387  
 Square Miles of Deer Habitat: 299  
 Percent Deer Habitat: 76

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,465		823		2.75	642		2.15	43.82		43		2
2006	1,337		749		2.51	588		1.97	43.98		81		2
2007	1,458		839		2.81	619		2.07	42.46		114		2
2008	1,699		921		3.08	778		2.60	45.79		101		3
2009	1,740		945		3.16	795		2.66	45.69		87		3
2010	1,698	0.92	909	0.68	3.04	789	1.10	2.64	46.47		84	-0.04	4
2011	1,701	0.64	913	0.51	3.05	788	0.73	2.64	46.33		98	0.33	4
2012	1,763	0.91	869	-0.92	2.91	894	1.85	2.99	50.71		96	-0.07	4
2013	1,769	1.64	956	1.62	3.20	813	0.09	2.72	45.96		91	-0.30	4
2014	1,567	-4.99	787	-3.84	2.63	780	-0.80	2.61	49.78		75	-2.75	4
2015	1,752	0.64	900	0.21	3.01	852	0.83	2.85	48.63		107	1.93	4
2016	1,917	2.44	1,036	2.39	3.46	881	1.17	2.95	45.96	21	89	-0.37	4
2017	1,802	0.39	932	0.24	3.12	870	0.55	2.91	48.28	24	105	1.15	4
2018	1,859	0.77	992	0.77	3.32	867	0.66	2.90	46.64	17	105	0.98	4

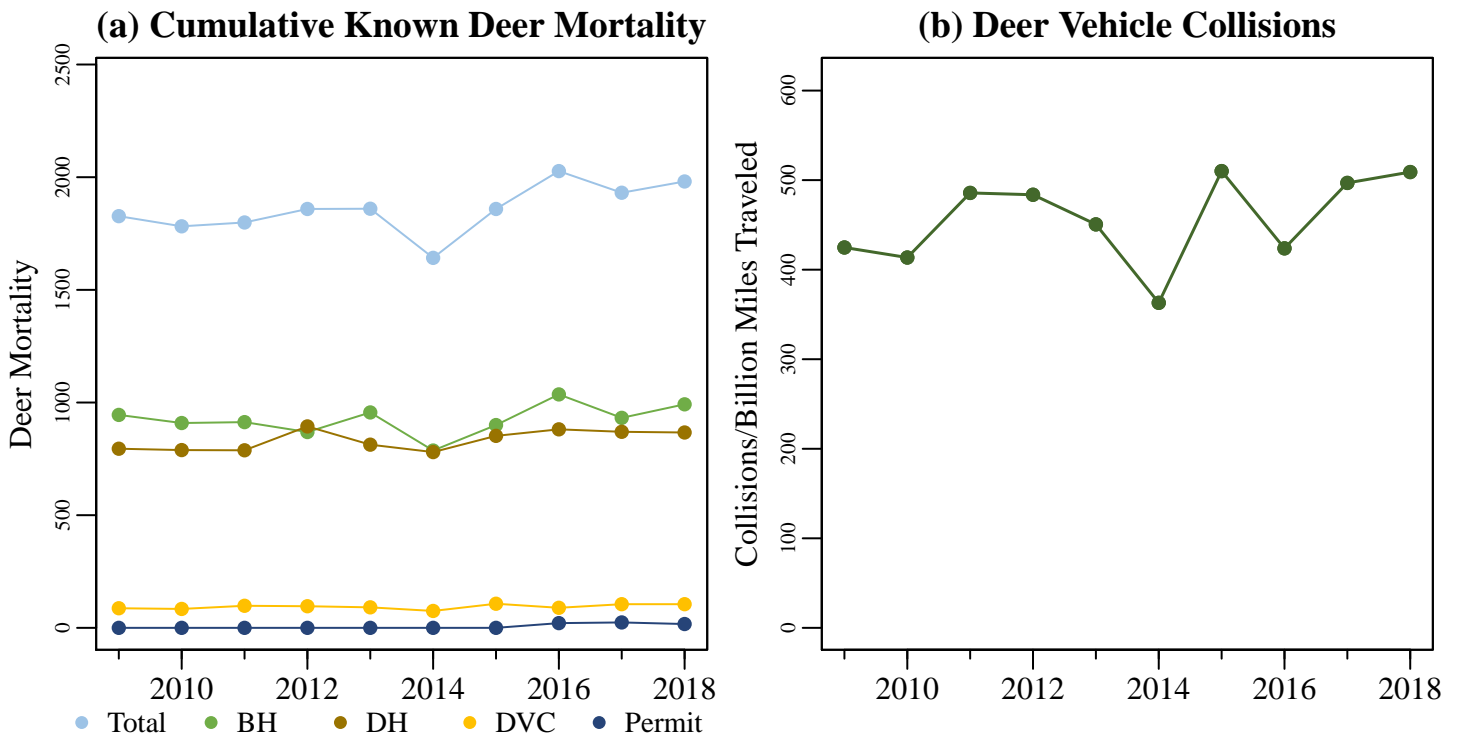


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Owen County

6/26/2019

Total Square Miles: 387  
 Square Miles of Deer Habitat: 299  
 Percent Deer Habitat: 76

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,383	692	685	6	0	539	671	140	29	3	1	0	0	0	0	0
2016	1,505	682	817	5	1	646	679	139	36	4	0	1	0	0	0	0
2017	1,413	675	734	4	0	563	686	132	21	9	1	1	0	0	0	0
2018	1,410	640	767	3	0	585	621	162	32	6	3	1	0	0	0	0

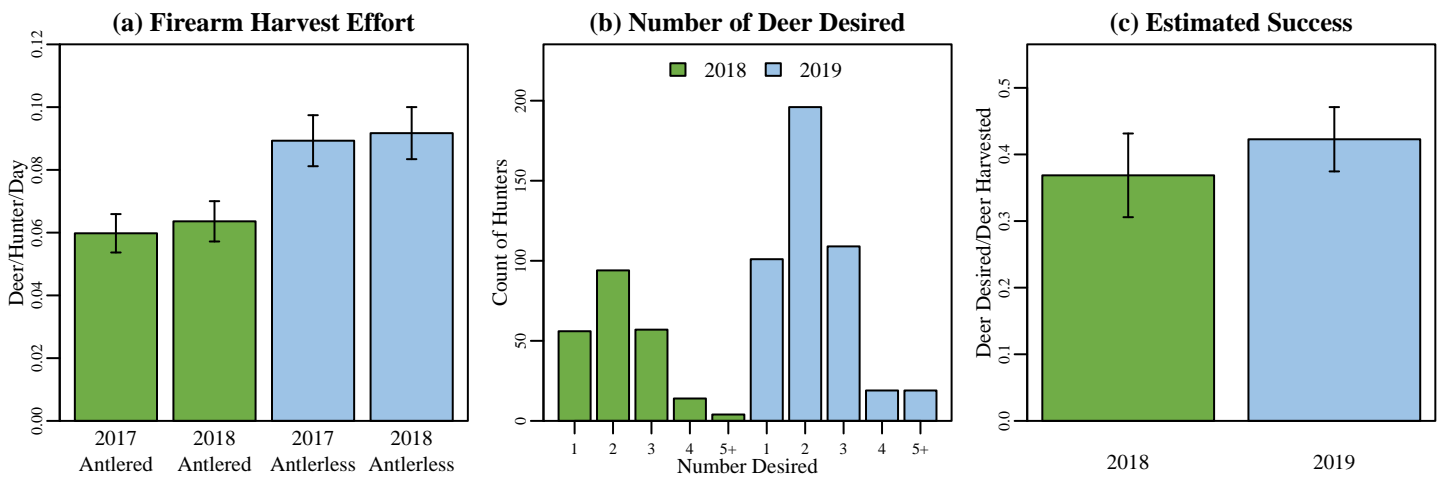
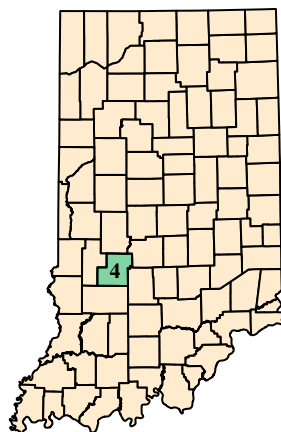


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Owen County Map



## (b) Deer Habitat in Owen County

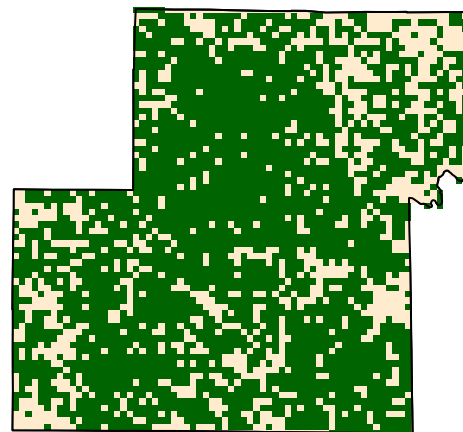


Figure 3. (a) Owen County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Owen County.

# Owen County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

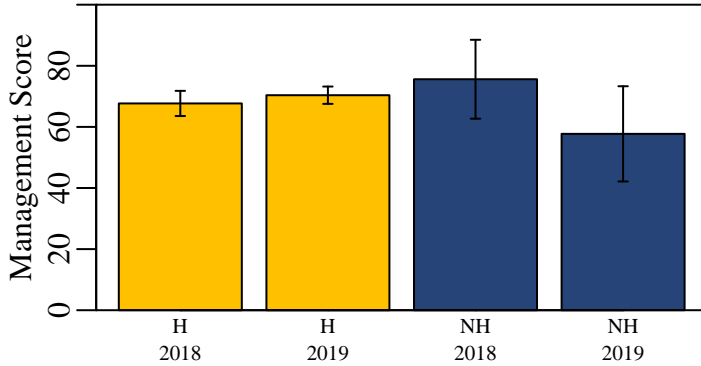


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

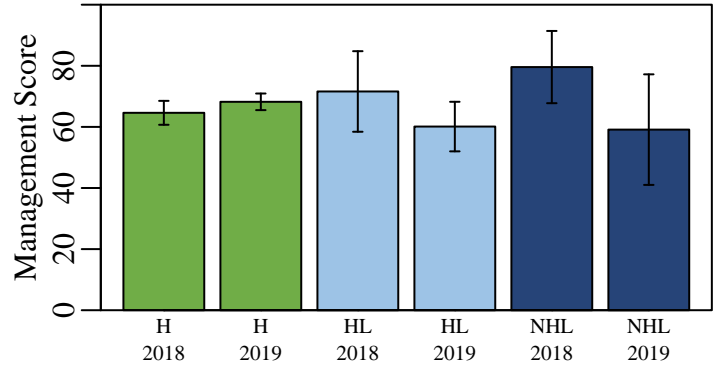


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

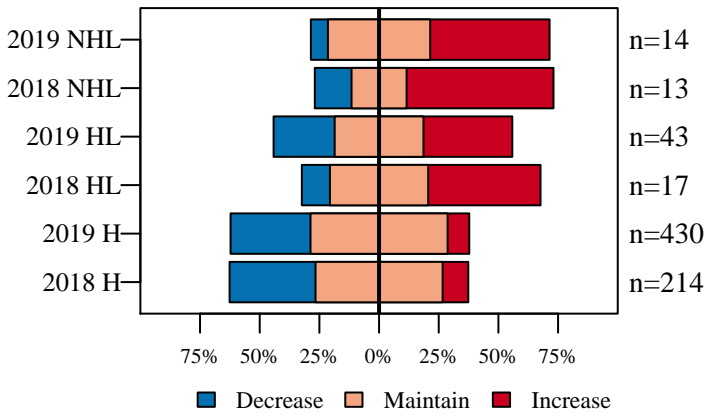


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

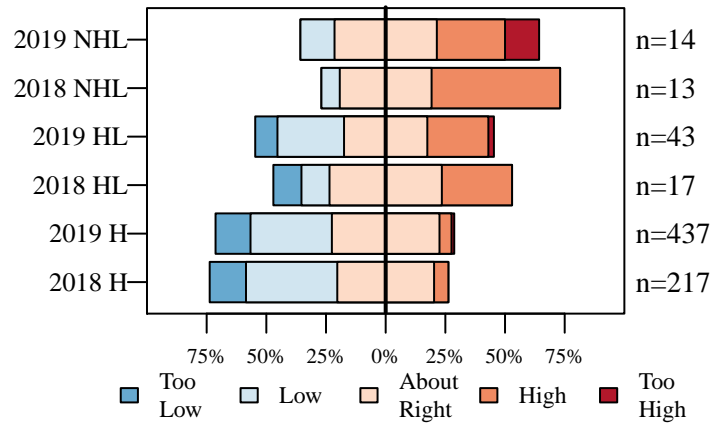


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

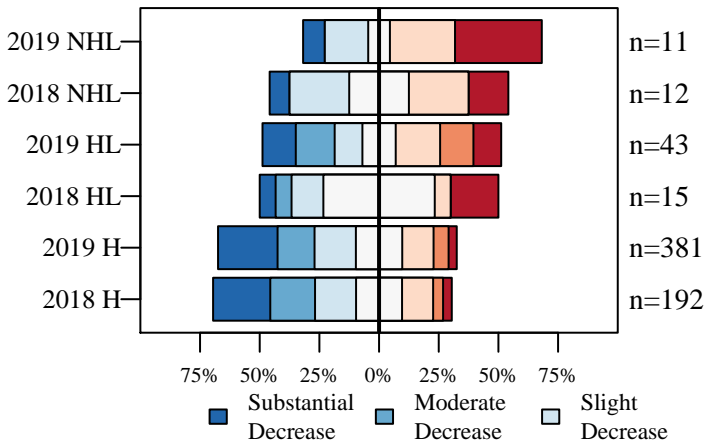


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

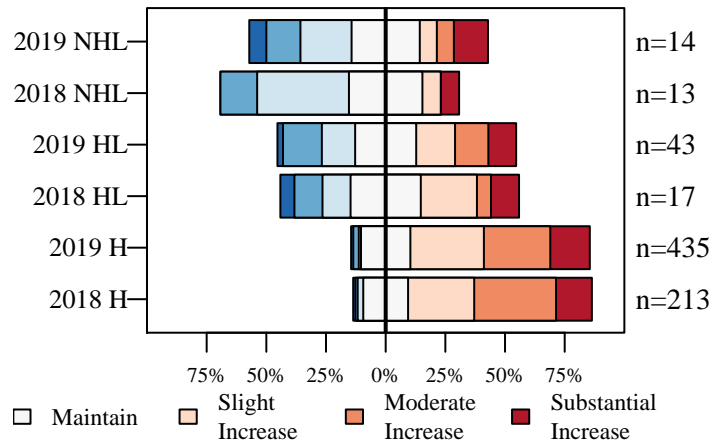


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Owen County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

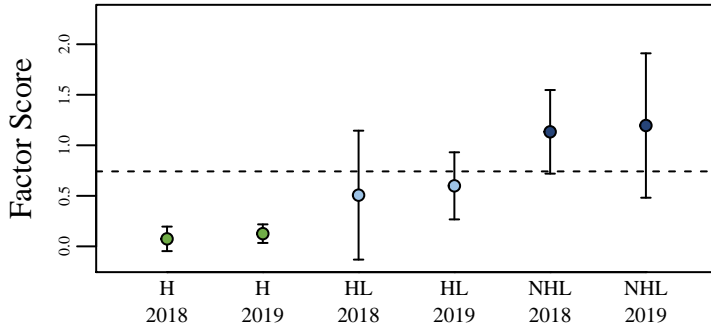


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

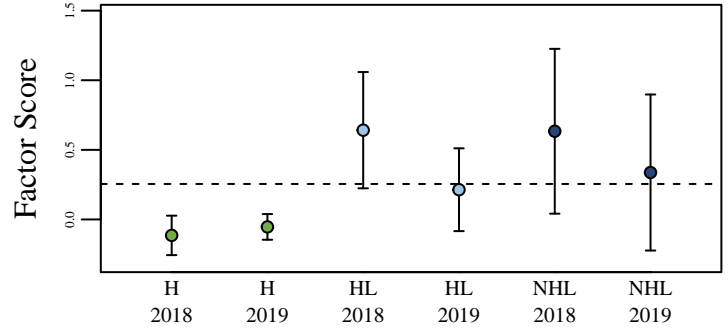


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

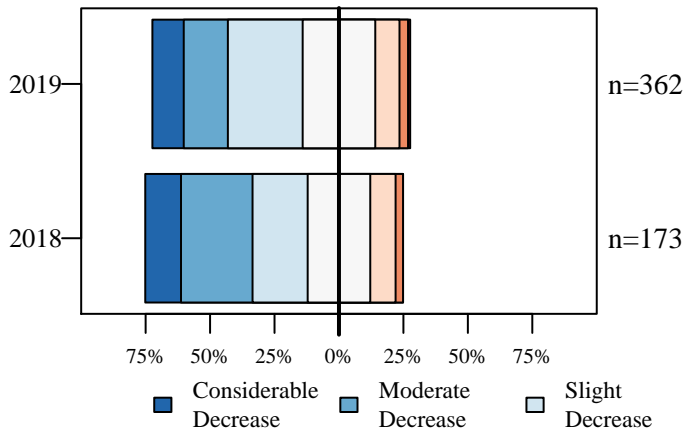


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

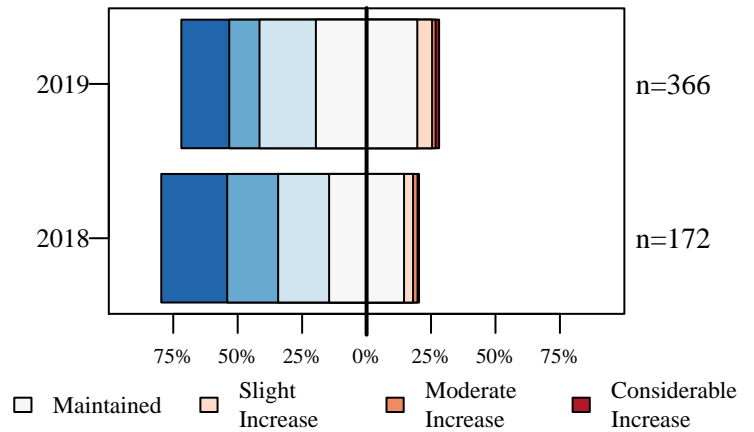


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

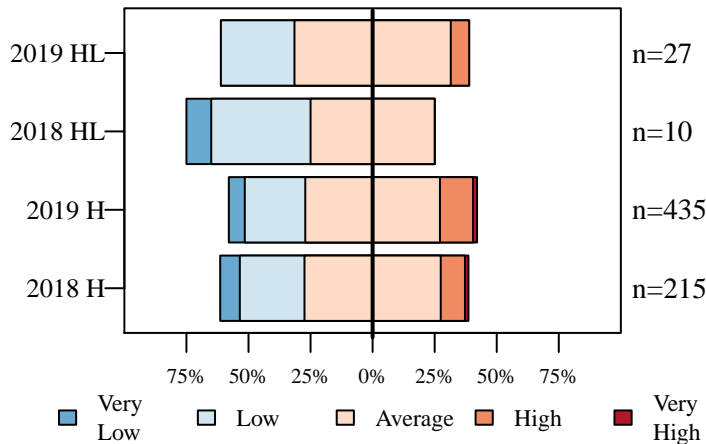


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

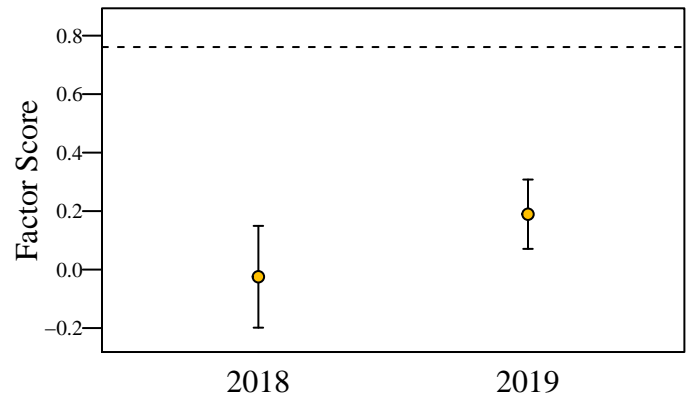


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Parke County

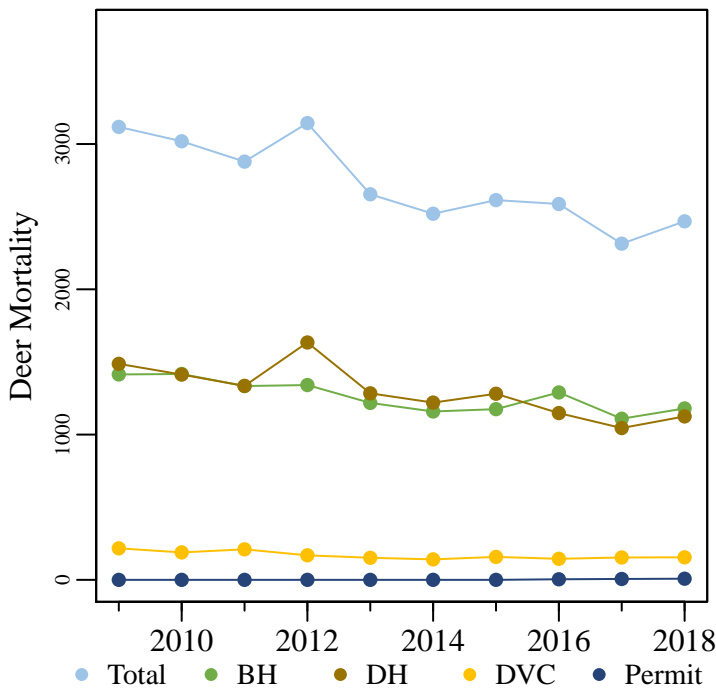
6/26/2019

Total Square Miles: 450  
 Square Miles of Deer Habitat: 210  
 Percent Deer Habitat: 46

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	3,083		1,488		7.09	1,595		7.60	51.74		185		8
2006	2,848		1,323		6.30	1,525		7.26	53.55		183		8
2007	2,714		1,362		6.49	1,352		6.44	49.82		218		4
2008	2,832		1,360		6.48	1,472		7.01	51.98		220		8
2009	2,901		1,414		6.73	1,487		7.08	51.26		217		8
2010	2,830	-0.34	1,417	0.43	6.75	1,413	-0.82	6.73	49.93		189	-0.83	8
2011	2,669	-2.28	1,334	-1.03	6.35	1,335	-1.69	6.36	50.02		210	0.26	8
2012	2,975	1.96	1,341	-1.00	6.39	1,634	3.25	7.78	54.92		169	-3.28	8
2013	2,502	-3.00	1,218	-3.90	5.80	1,284	-1.67	6.11	51.32		152	-2.27	8
2014	2,379	-2.08	1,159	-2.30	5.52	1,220	-1.53	5.81	51.28		141	-1.70	8
2015	2,456	-0.89	1,175	-1.15	5.60	1,281	-0.60	6.10	52.16		158	-0.51	8
2016	2,438	-0.67	1,290	0.51	6.14	1,148	-1.24	5.47	47.09	4	145	-0.79	8
2017	2,154	-1.64	1,109	-1.65	5.28	1,045	-1.43	4.98	48.51	6	154	-0.34	8
2018	2,305	-0.59	1,180	-0.15	5.62	1,125	-0.70	5.36	48.81	8	155	-0.27	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

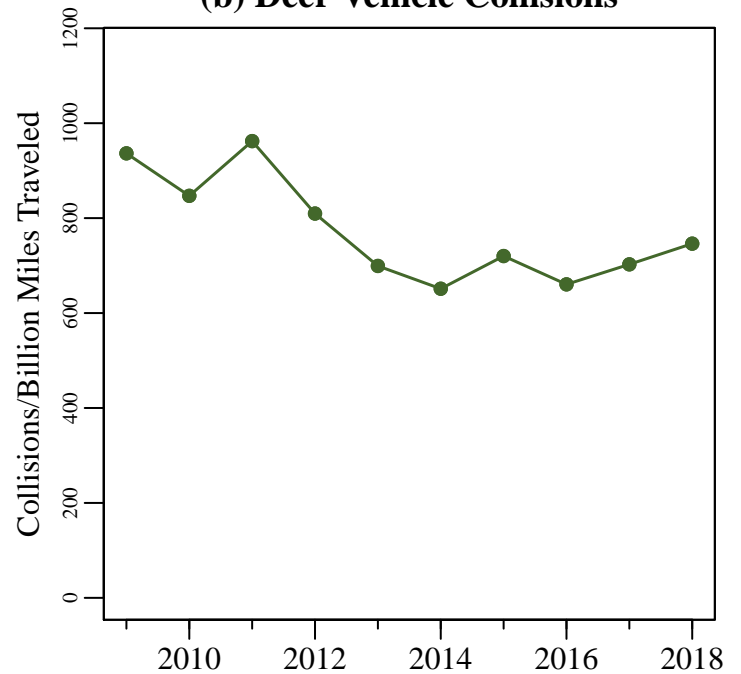


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Parke County

6/26/2019

Total Square Miles: 450  
 Square Miles of Deer Habitat: 210  
 Percent Deer Habitat: 46

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,726	839	882	5	0	610	808	221	56	18	7	3	3	0	0	0
2016	1,774	723	1,047	4	0	765	734	215	35	18	3	2	1	1	0	0
2017	1,541	664	872	4	1	656	635	172	46	17	7	5	3	0	0	0
2018	1,681	754	924	3	0	659	749	206	56	9	2	0	0	0	0	0

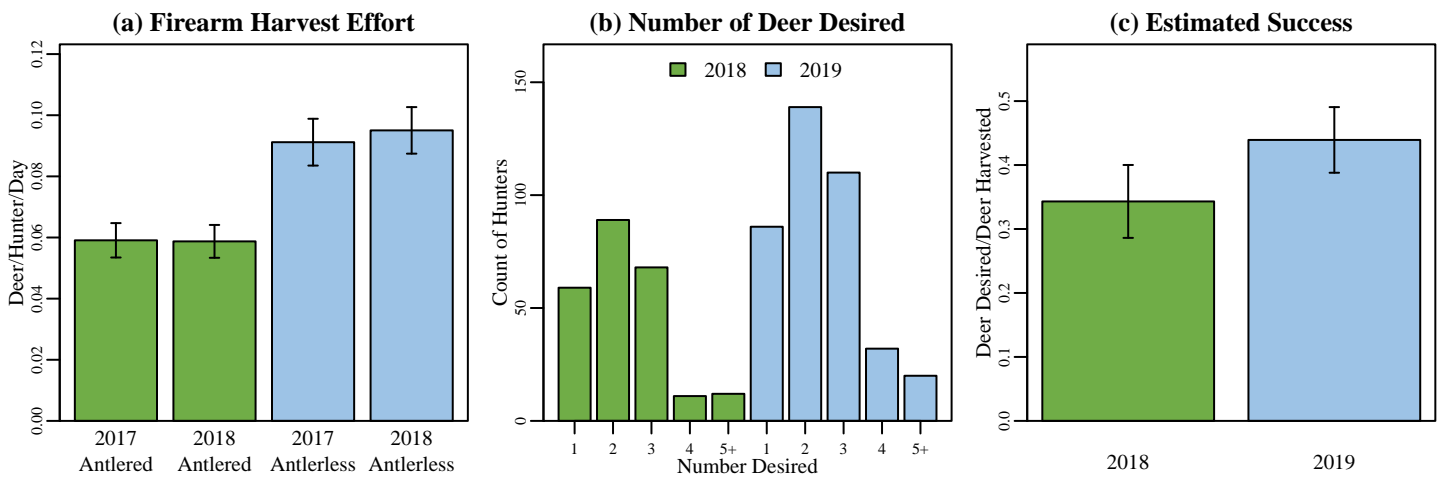
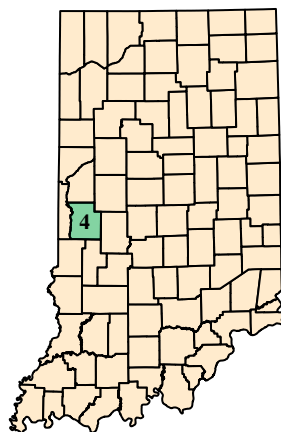


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Parke County Map



## (b) Deer Habitat in Parke County

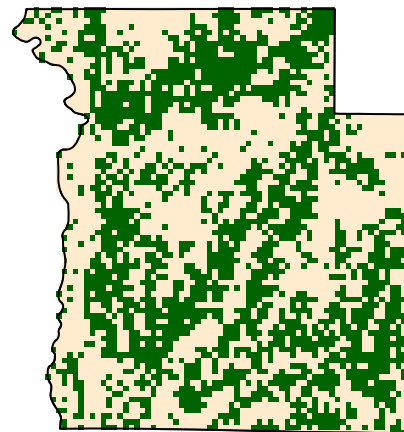


Figure 3. (a) Parke County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Parke County.

# Parke County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

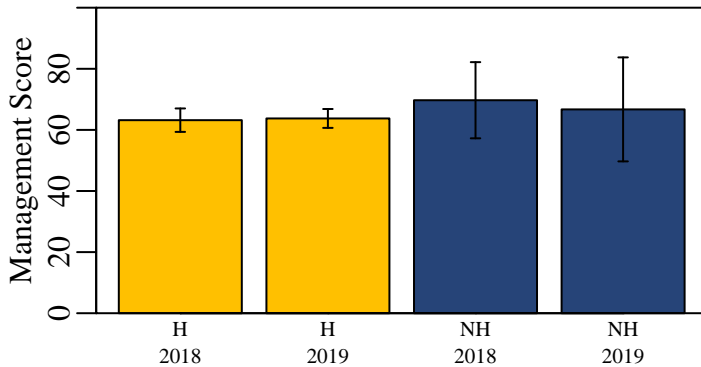


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

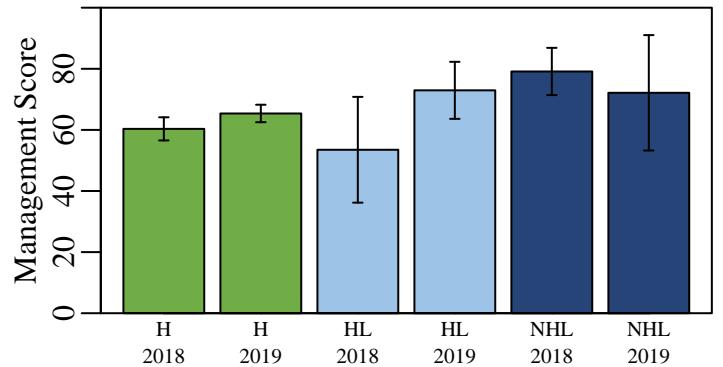


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

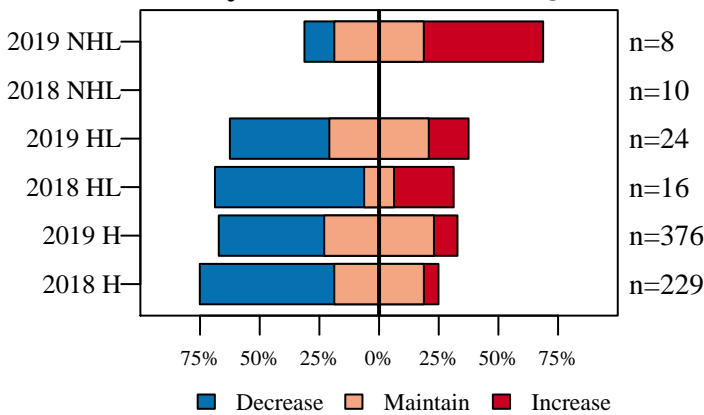


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

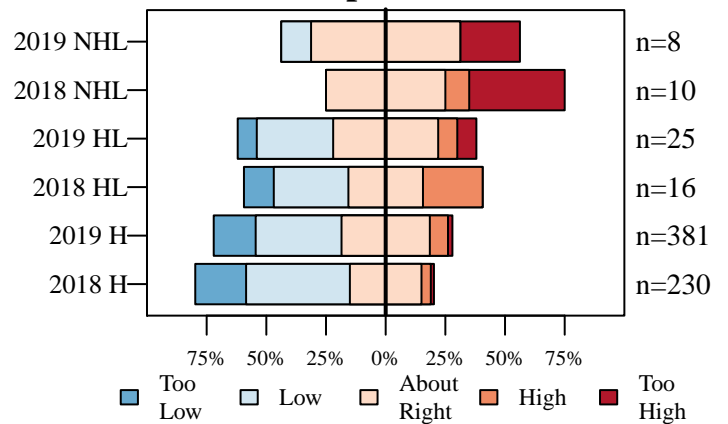


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

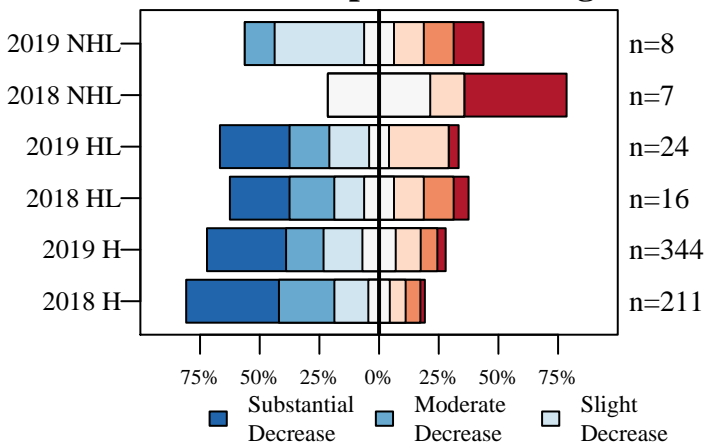


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

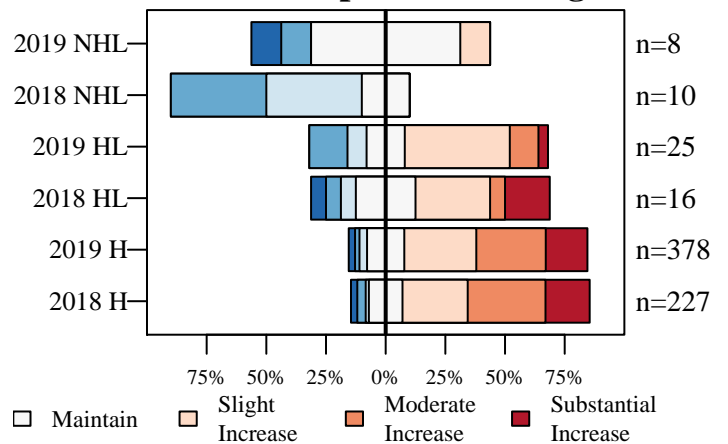


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Parke County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

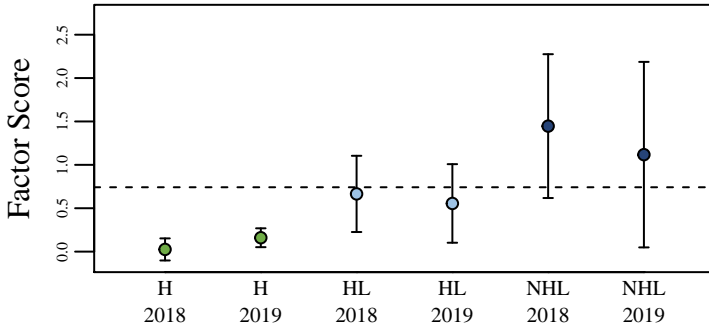


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

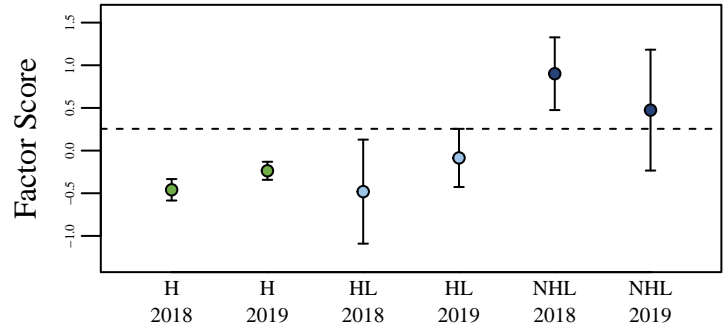


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

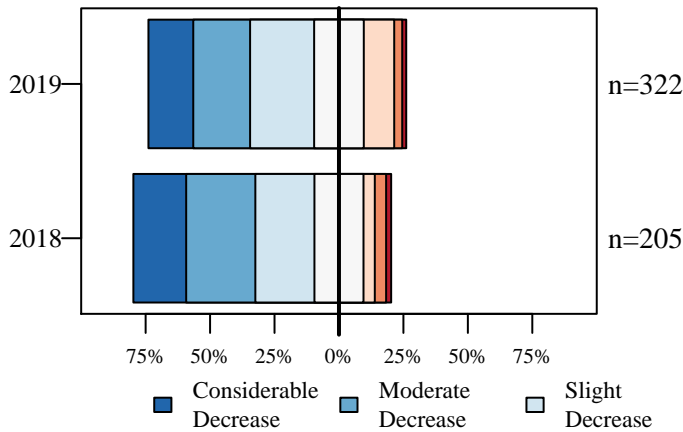


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

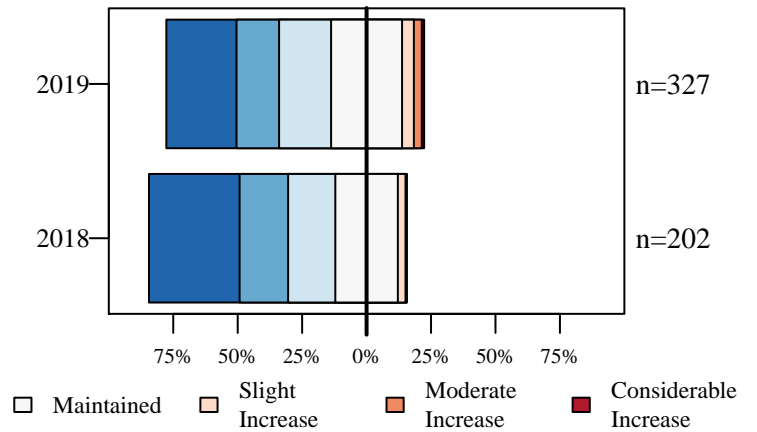


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

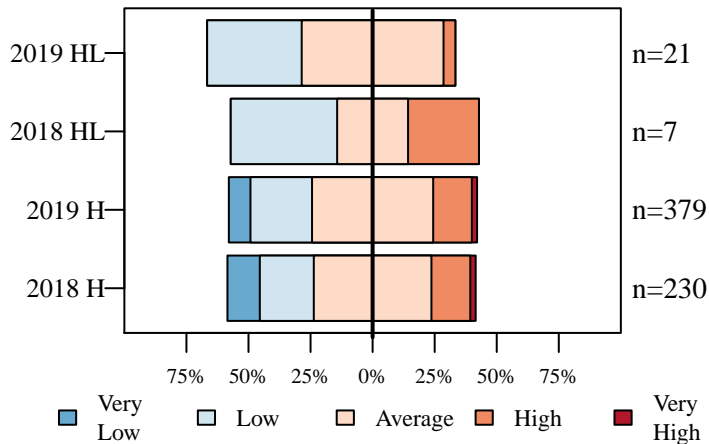


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

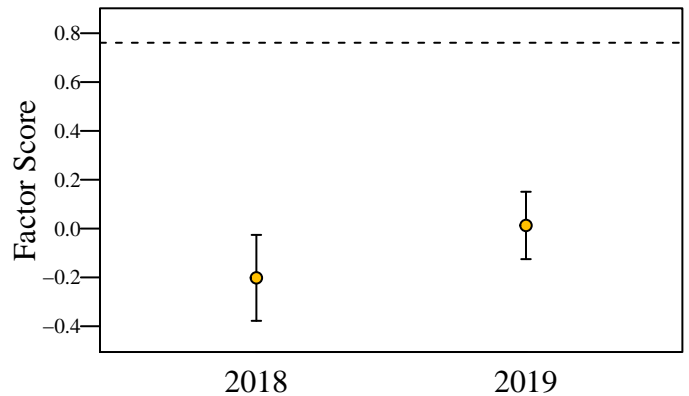


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Perry County

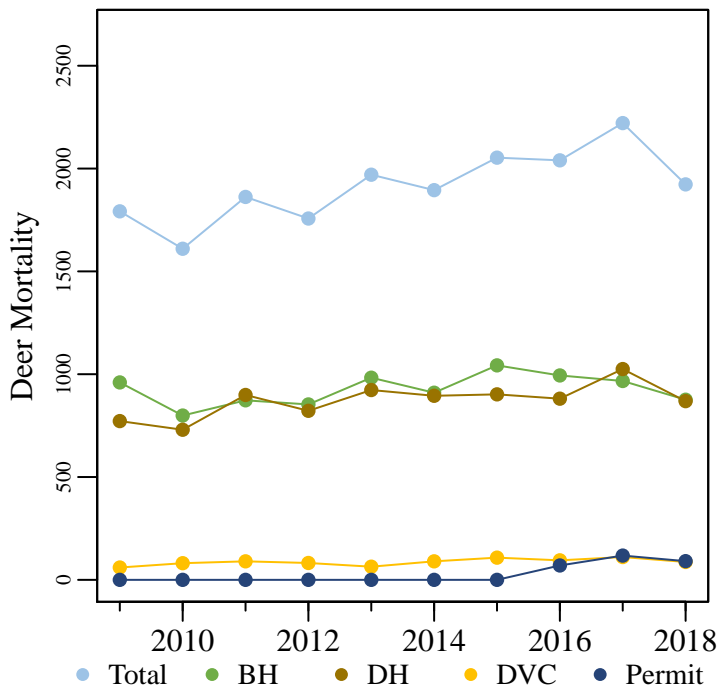
6/26/2019

Total Square Miles: 386  
 Square Miles of Deer Habitat: 331  
 Percent Deer Habitat: 86

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,093		1,061		3.21	1,032		3.12	49.31		79		2
2006	2,256		1,172		3.54	1,084		3.27	48.05		120		2
2007	1,745		885		2.67	860		2.60	49.28		94		4
2008	1,783		874		2.64	909		2.75	50.98		91		4
2009	1,732		960		2.90	772		2.33	44.57		60		4
2010	1,529	-1.65	799	-1.52	2.41	730	-1.59	2.21	47.74		81	-0.36	4
2011	1,772	-0.14	873	-0.46	2.64	899	0.20	2.72	50.73		90	0.04	4
2012	1,675	-0.36	853	-0.44	2.58	822	-0.15	2.48	49.07		82	-0.09	3
2013	1,906	2.01	983	1.92	2.97	923	1.24	2.79	48.43		64	-1.35	3
2014	1,805	0.60	910	0.21	2.75	895	0.80	2.70	49.58		90	1.14	3
2015	1,945	1.45	1,043	2.33	3.15	902	0.61	2.73	46.38		108	2.50	3
2016	1,875	0.50	994	0.78	3.00	881	-0.19	2.66	46.99	70	95	0.52	4
2017	1,992	1.42	967	0.14	2.92	1,025	3.68	3.10	51.46	118	111	1.56	4
2018	1,745	-2.25	876	-2.15	2.65	869	-0.97	2.63	49.80	91	87	-0.28	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions



Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Perry County

6/26/2019

Total Square Miles: 386  
 Square Miles of Deer Habitat: 331  
 Percent Deer Habitat: 86

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,510	638	870	2	0	670	648	161	26	2	3	0	0	0	0	0
2016	1,462	610	850	1	1	665	611	158	21	5	2	0	0	0	0	0
2017	1,486	725	757	4	0	557	696	178	45	10	0	0	0	0	0	0
2018	1,350	630	720	0	0	547	615	159	24	5	0	0	0	0	0	0

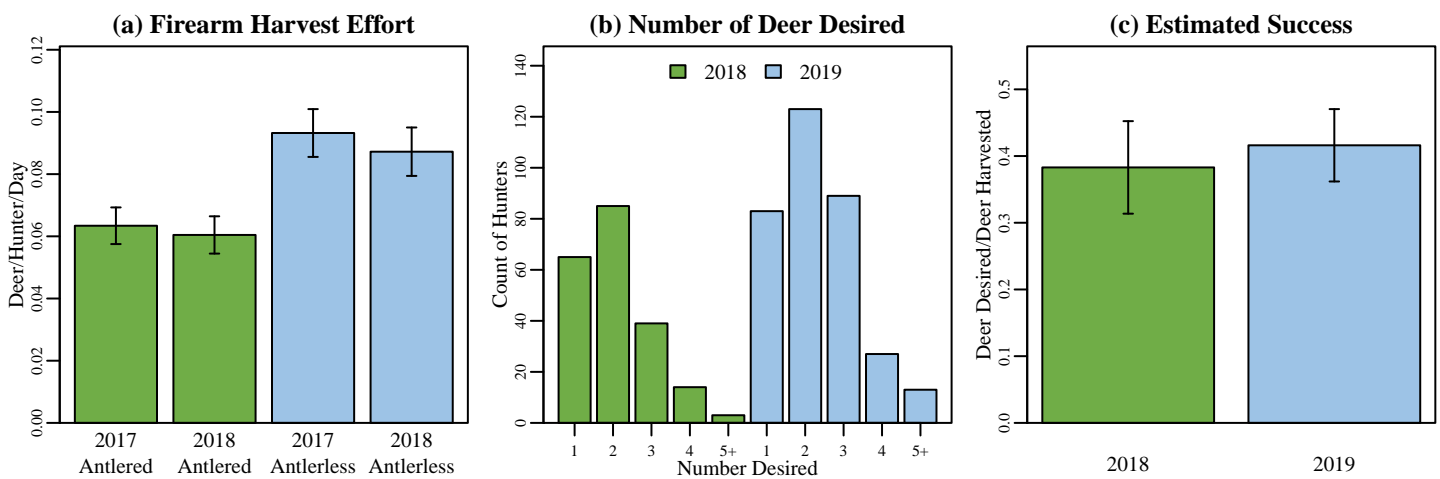
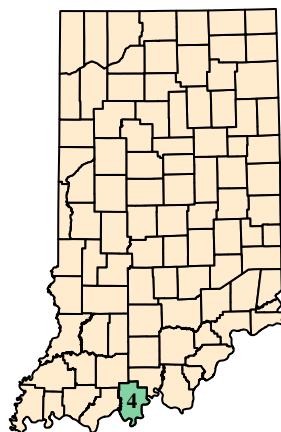


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Perry County Map



## (b) Deer Habitat in Perry County

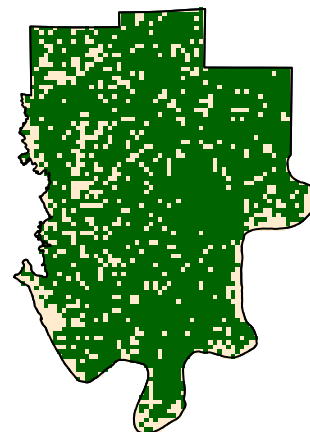


Figure 3. (a) Perry County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Perry County.

# Perry County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

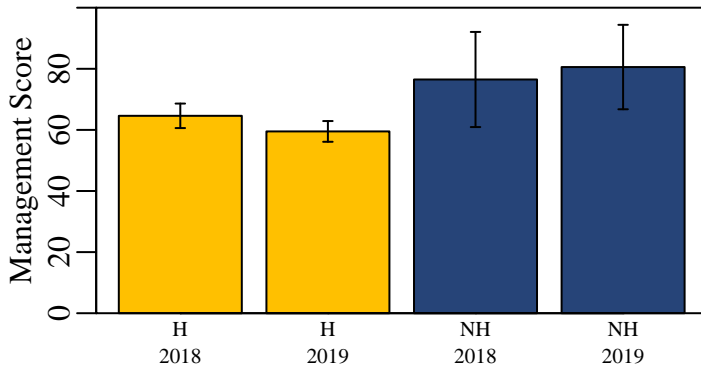


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

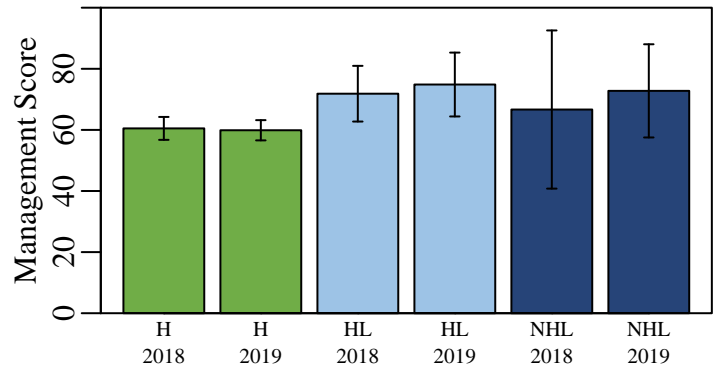


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

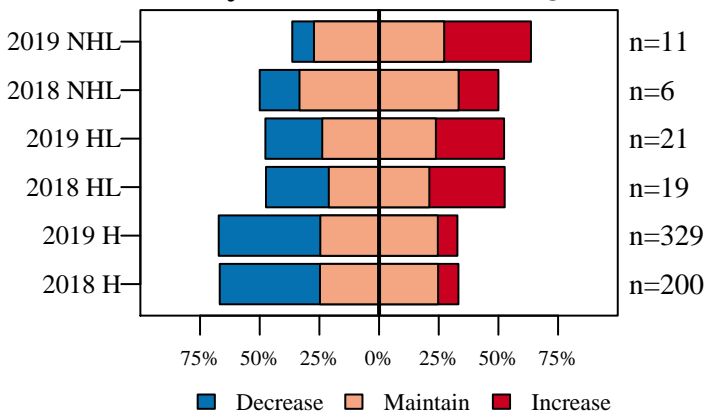


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

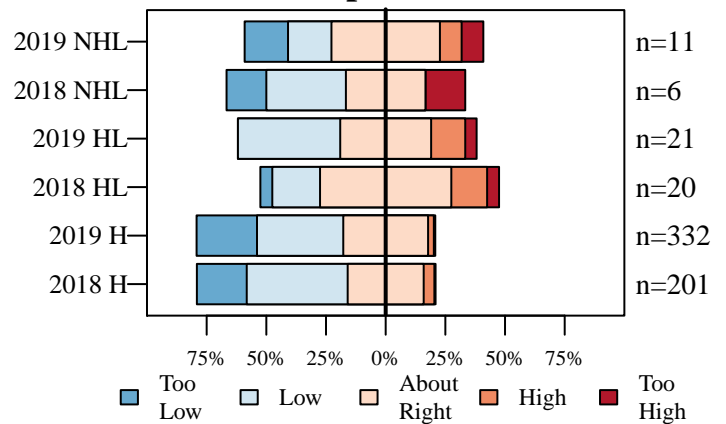


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

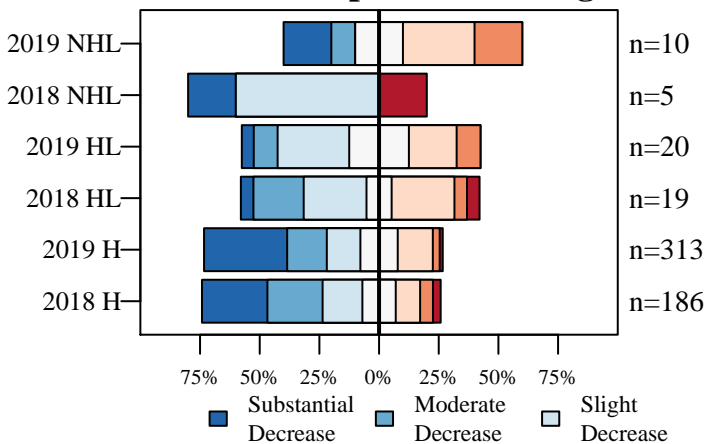


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

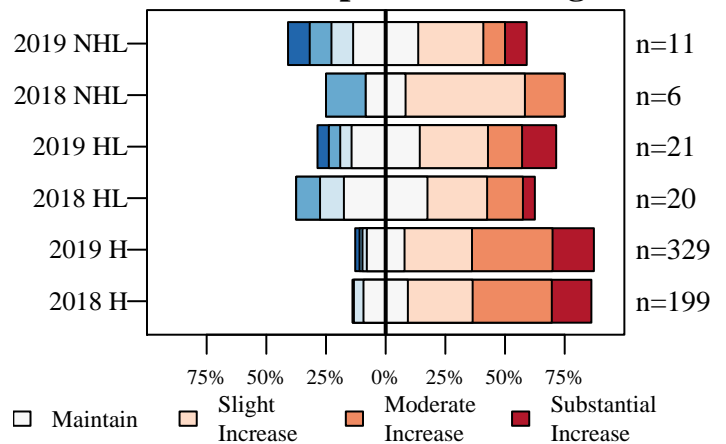


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Perry County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

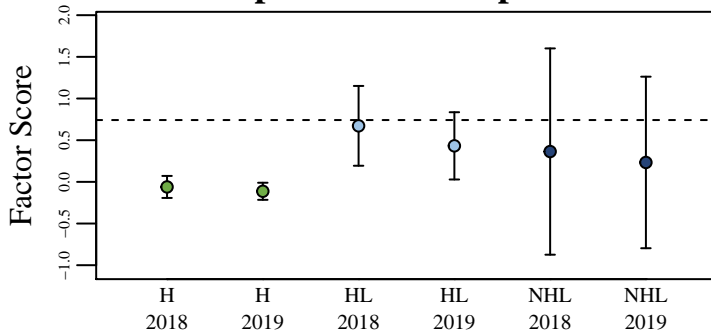


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

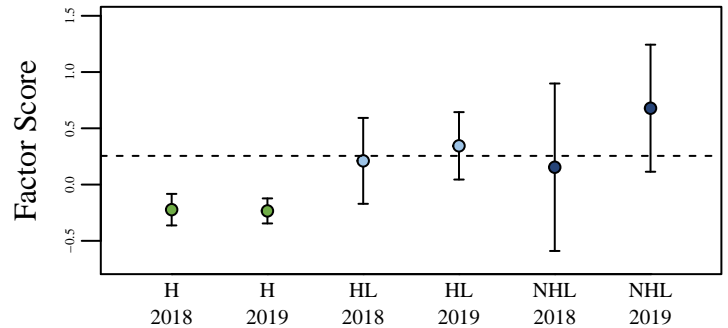


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

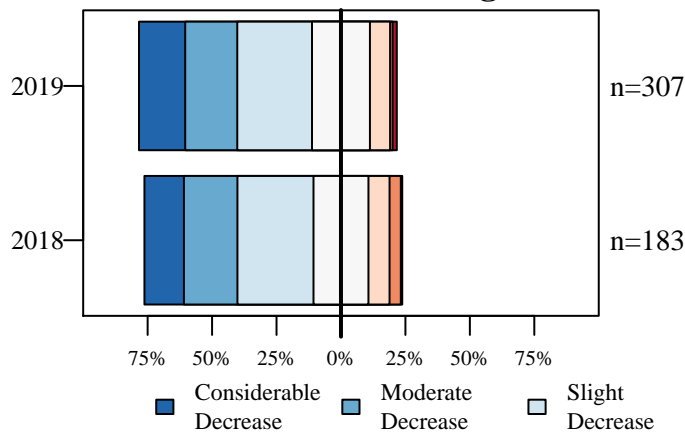


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

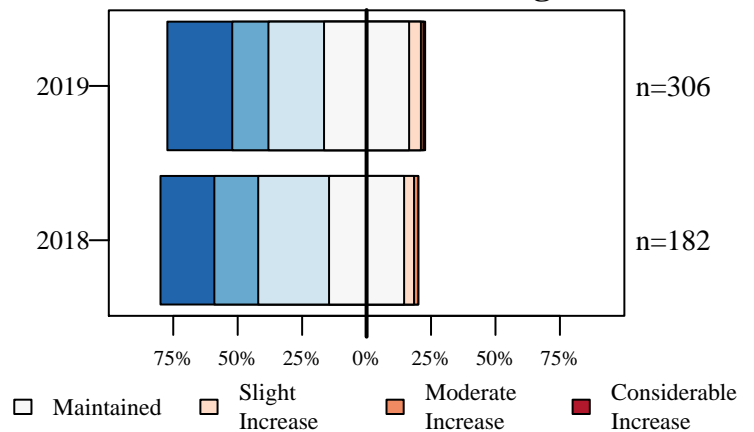


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

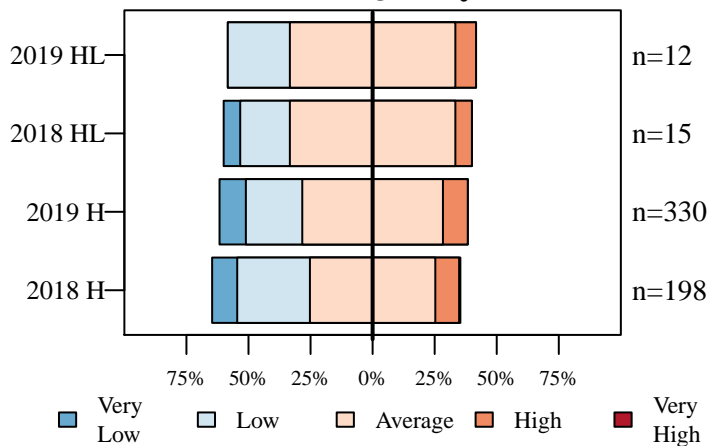


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

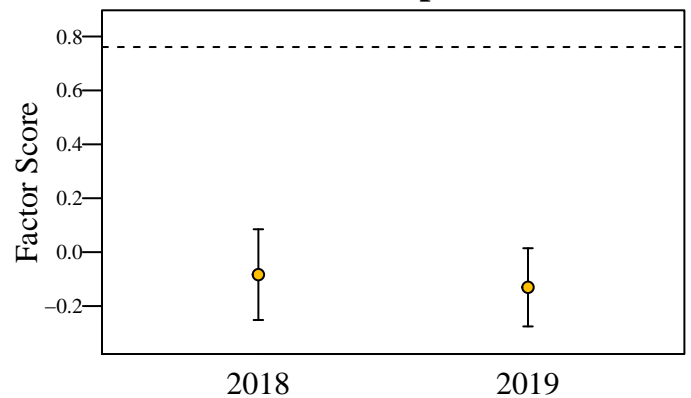


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Pike County

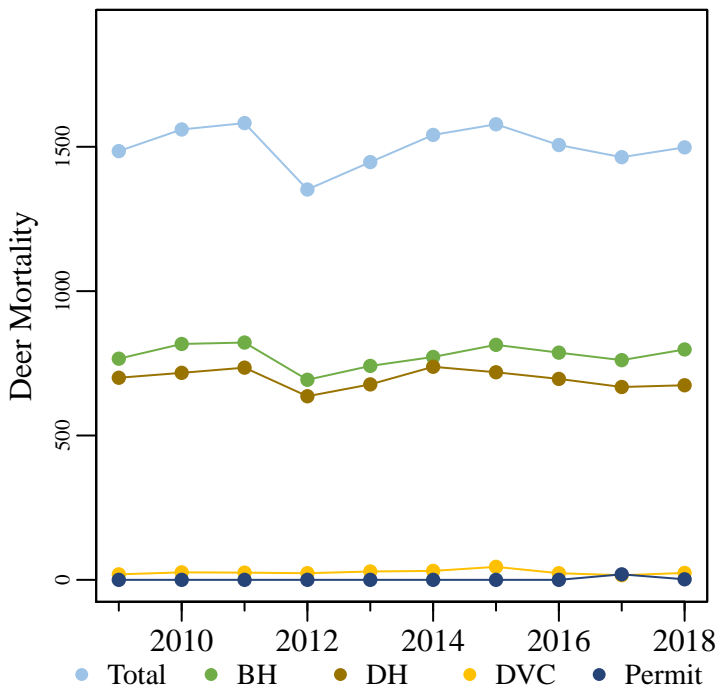
6/26/2019

Total Square Miles: 341  
 Square Miles of Deer Habitat: 176  
 Percent Deer Habitat: 51

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,912		947		5.38	965		5.48	50.47		26		3
2006	2,007		960		5.45	1,047		5.95	52.17		33		3
2007	1,302		643		3.65	659		3.74	50.61		24		4
2008	1,436		739		4.20	697		3.96	48.54		26		4
2009	1,466		766		4.35	700		3.98	47.75		19		4
2010	1,534	-0.29	817	0.04	4.64	717	-0.54	4.07	46.74		26	0.08	3
2011	1,557	0.03	822	0.32	4.67	735	-0.18	4.18	47.21		25	-0.12	3
2012	1,329	-1.29	693	-0.88	3.94	636	-2.32	3.61	47.86		23	-0.34	3
2013	1,418	-0.51	741	-0.49	4.21	677	-0.54	3.85	47.74		29	1.76	3
2014	1,510	0.53	772	0.08	4.39	738	1.17	4.19	48.87		31	1.78	3
2015	1,533	0.67	814	0.83	4.62	719	0.42	4.09	46.90		45	5.70	3
2016	1,483	0.14	787	0.35	4.47	696	-0.11	3.95	46.93	0	23	-0.88	3
2017	1,429	-0.31	761	-0.01	4.32	668	-0.64	3.80	46.75	19	16	-1.60	2
2018	1,472	-0.05	798	0.84	4.53	674	-0.88	3.83	45.79	2	24	-0.38	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions



Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Pike County

6/26/2019

Total Square Miles: 341  
 Square Miles of Deer Habitat: 176  
 Percent Deer Habitat: 51

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,214	527	686	1	0	524	557	113	18	2	0	0	0	0	0	0
2016	1,176	514	660	2	0	516	513	136	10	1	0	0	0	0	0	0
2017	1,128	503	616	8	1	458	556	104	10	0	0	0	0	0	0	0
2018	1,155	491	661	3	0	498	523	123	8	3	0	0	0	0	0	0

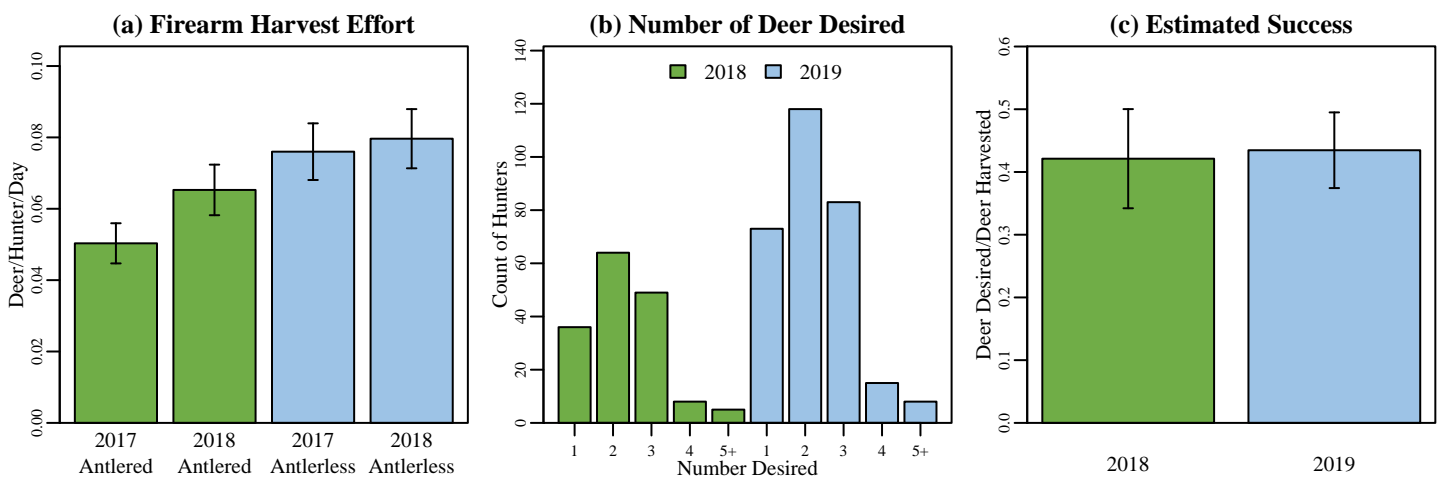
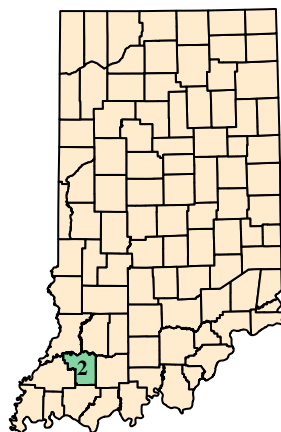


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Pike County Map



## (b) Deer Habitat in Pike County

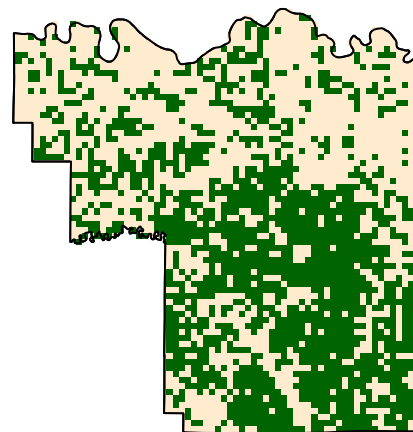


Figure 3. (a) Pike County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Pike County.

# Pike County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

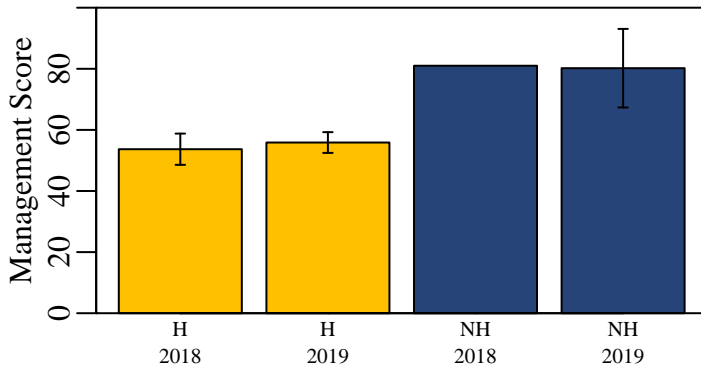


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

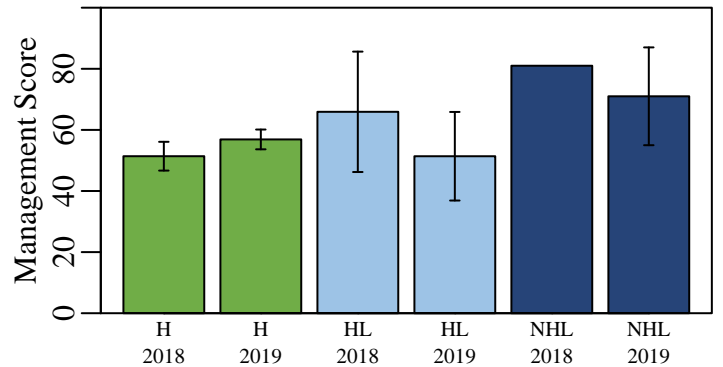


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

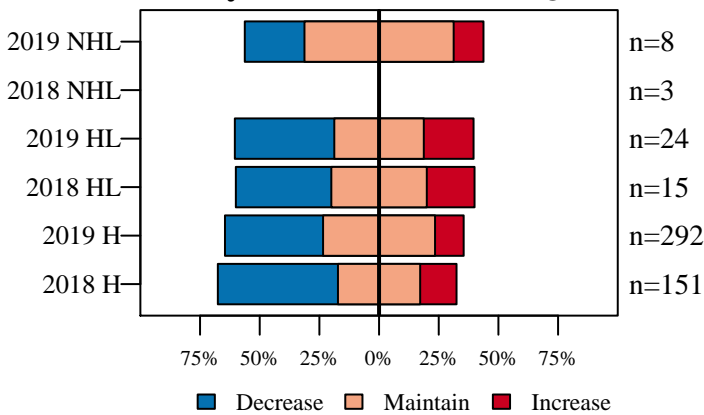


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

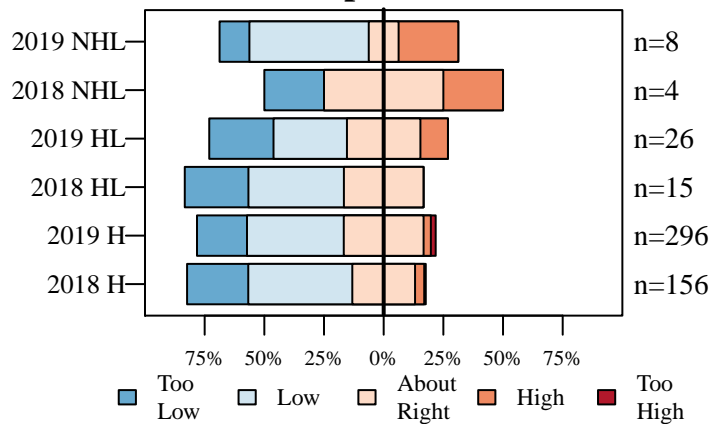


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

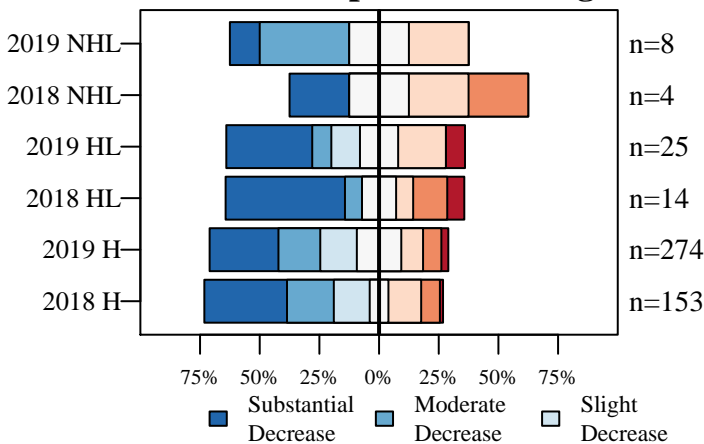


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

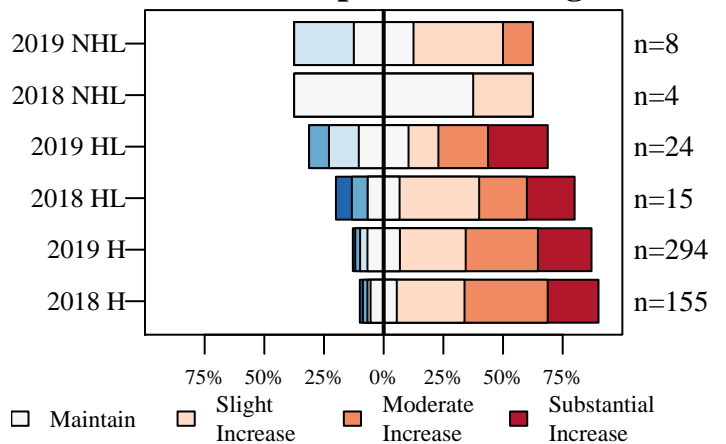


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Pike County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

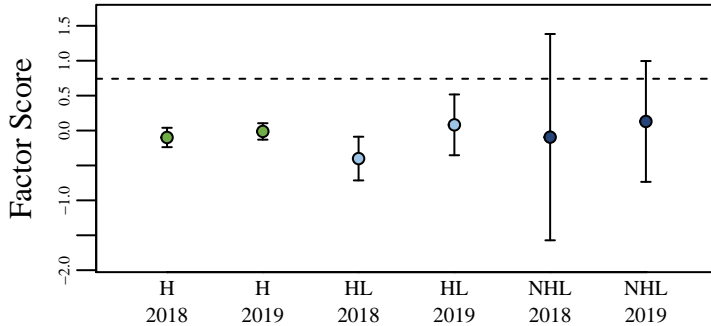


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

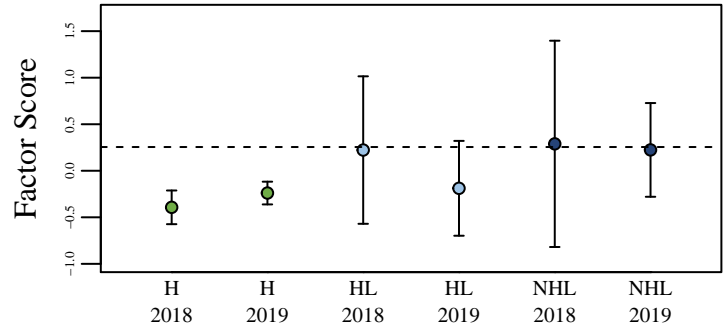


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

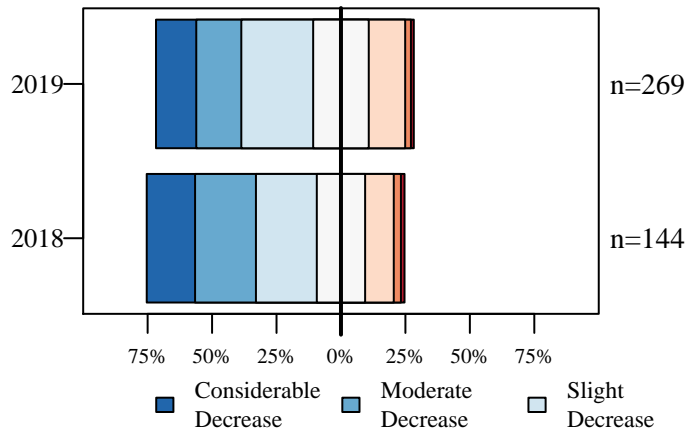


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

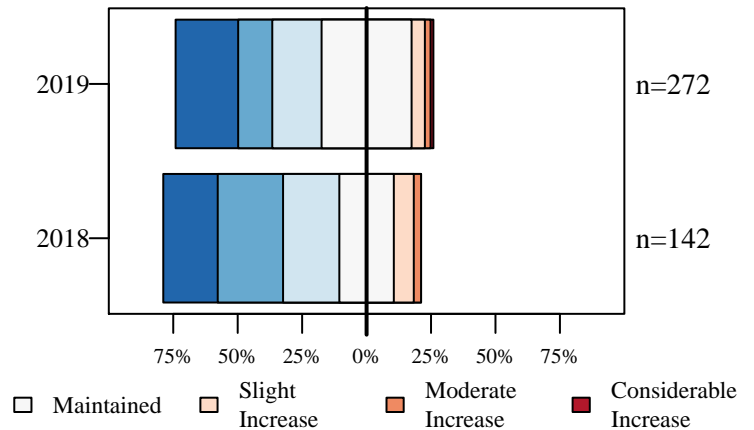


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

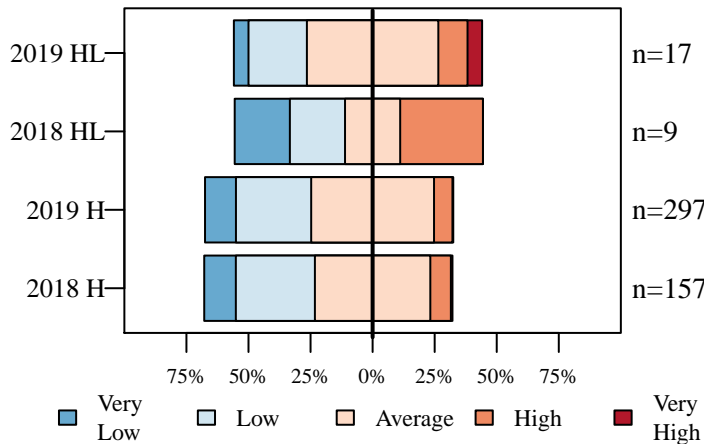


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

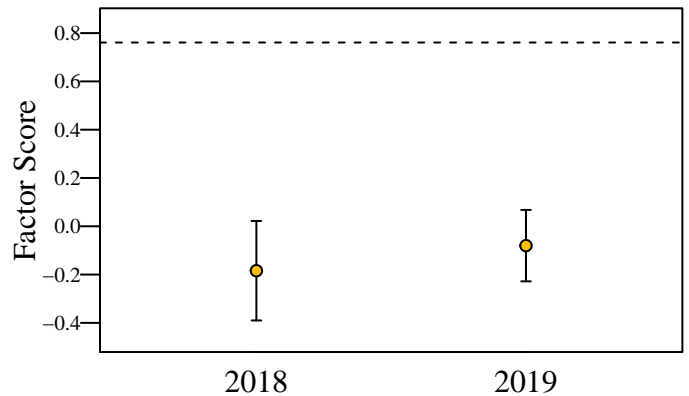


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Porter County

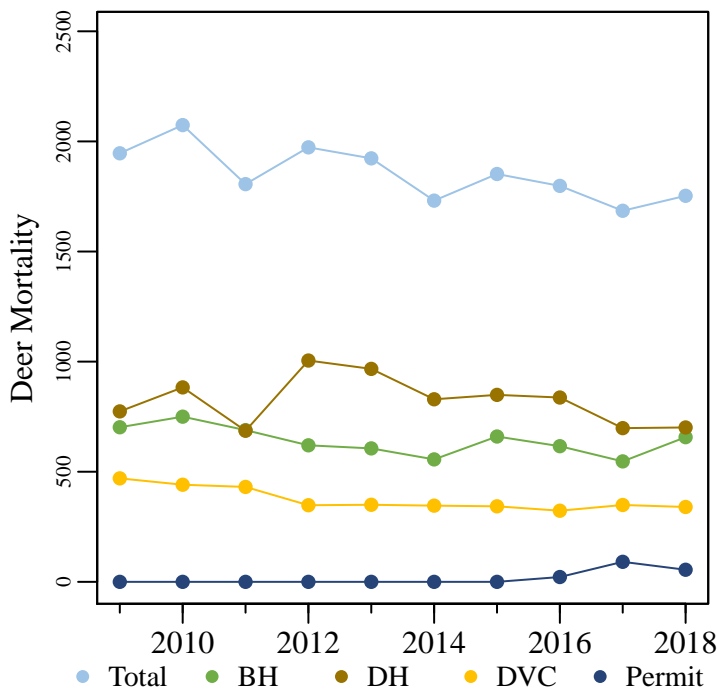
6/26/2019

Total Square Miles: 522  
 Square Miles of Deer Habitat: 143  
 Percent Deer Habitat: 27

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,172		635		4.44	537		3.76	45.82		392		3
2006	1,194		628		4.39	566		3.96	47.40		420		3
2007	1,317		672		4.70	645		4.51	48.97		446		4
2008	1,411		723		5.06	688		4.81	48.76		454		4
2009	1,476		702		4.91	774		5.41	52.44		470		8
2010	1,633	2.41	750	1.89	5.24	883	2.53	6.17	54.07		441	0.15	8
2011	1,375	-0.19	689	-0.13	4.82	686	-0.21	4.80	49.89		431	-0.83	8
2012	1,625	1.51	620	-2.88	4.34	1,005	2.84	7.03	61.85		348	-6.84	8
2013	1,573	0.58	606	-1.86	4.24	967	1.17	6.76	61.47		350	-1.66	8
2014	1,385	-1.38	556	-1.96	3.89	829	-0.26	5.80	59.86		346	-1.11	4
2015	1,509	-0.07	660	0.21	4.62	849	-0.20	5.94	56.26		343	-0.83	4
2016	1,453	-0.36	616	-0.20	4.31	837	-0.24	5.85	57.60	22	323	-1.08	8
2017	1,245	-2.78	547	-1.73	3.83	698	-2.42	4.88	56.06	91	349	-0.21	4
2018	1,358	-0.60	657	1.29	4.59	701	-1.41	4.90	51.62	55	340	-0.46	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

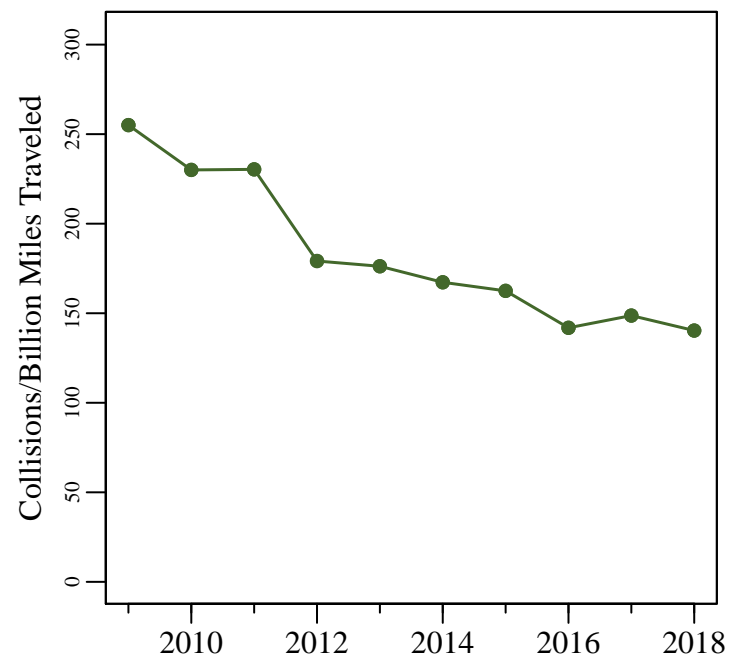


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Porter County

6/26/2019

Total Square Miles: 522  
 Square Miles of Deer Habitat: 143  
 Percent Deer Habitat: 27

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	983	492	471	19	1	262	535	130	38	10	5	1	1	0	0	1
2016	976	513	451	11	1	268	531	119	37	12	6	2	1	0	0	0
2017	846	446	377	23	0	224	480	107	23	7	2	1	1	1	0	0
2018	892	408	460	24	0	280	454	107	36	11	1	2	0	0	0	0

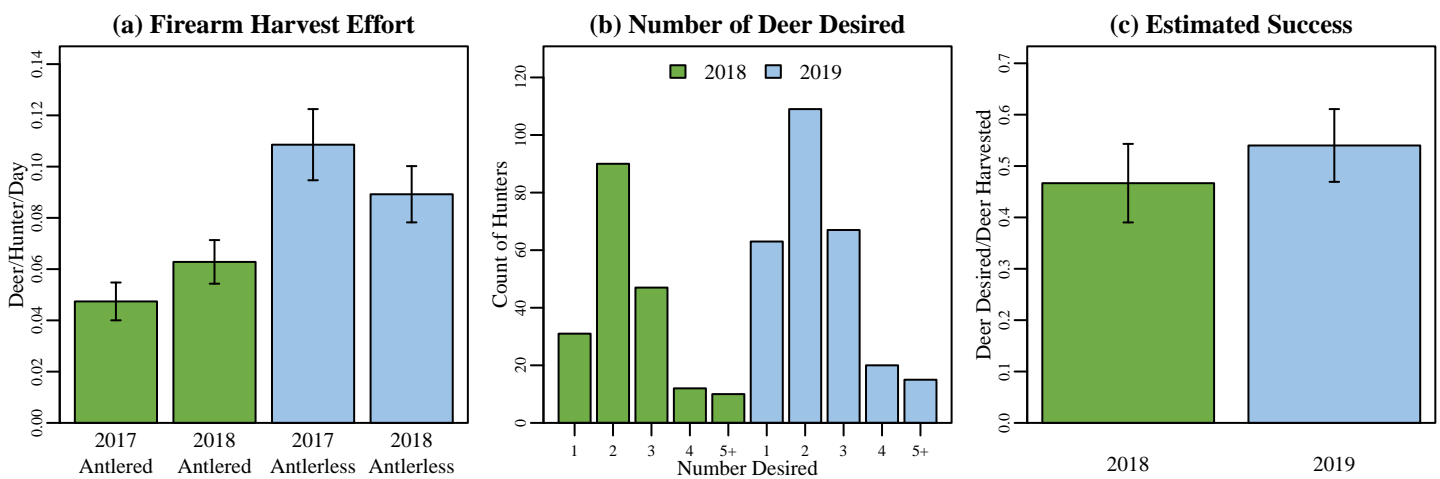
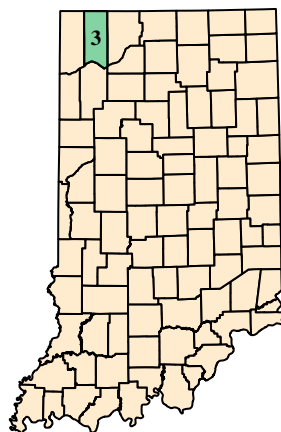


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Porter County Map



## (b) Deer Habitat in Porter County



Figure 3. (a) Porter County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Porter County.

# Porter County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

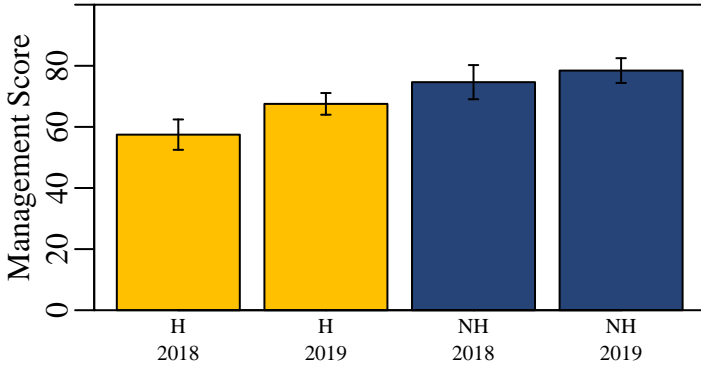


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

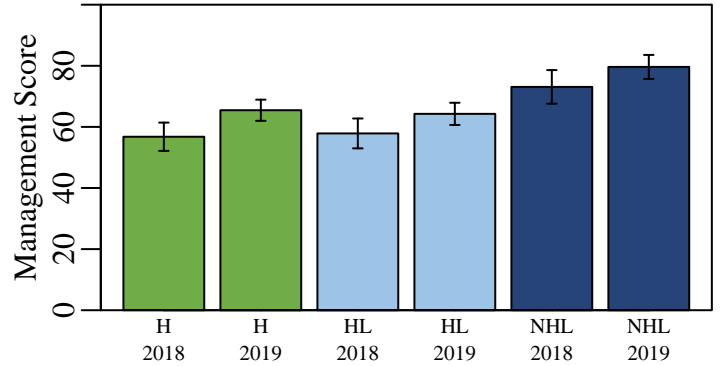


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

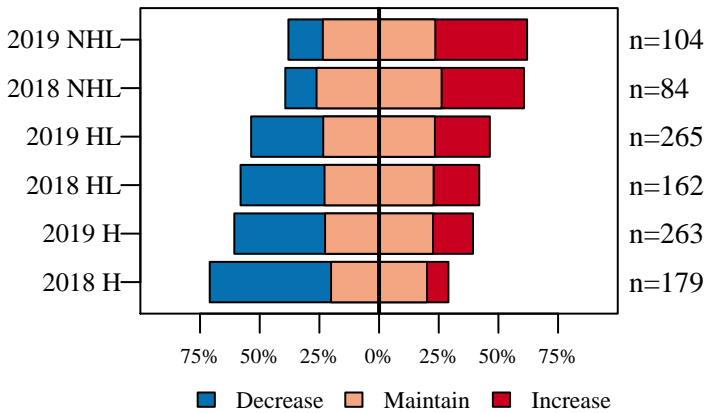


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

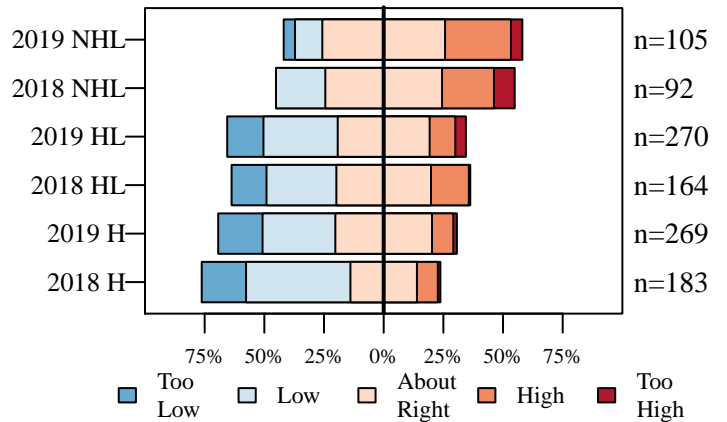


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

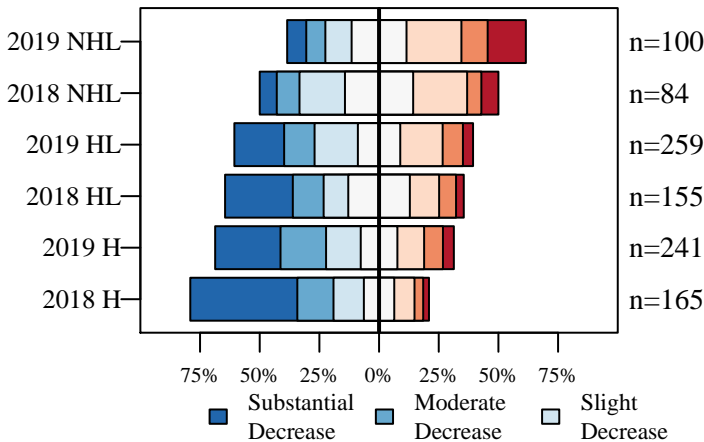


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

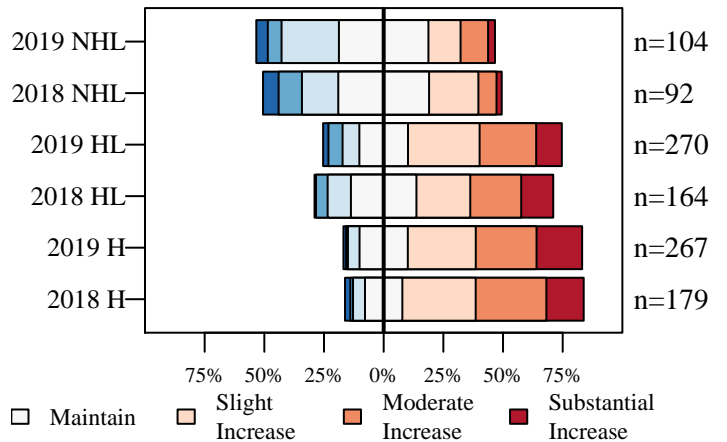


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Porter County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

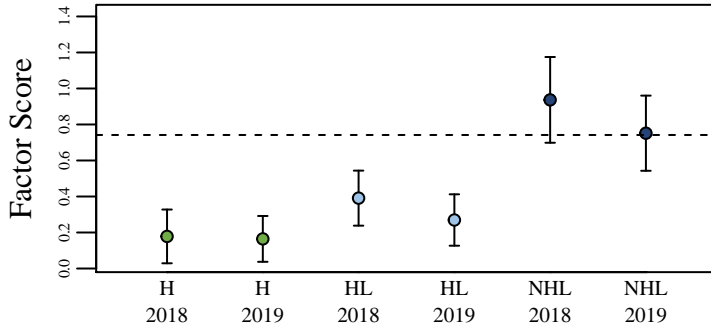


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

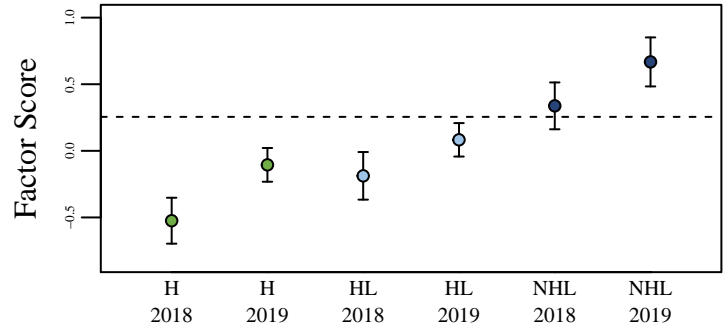


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

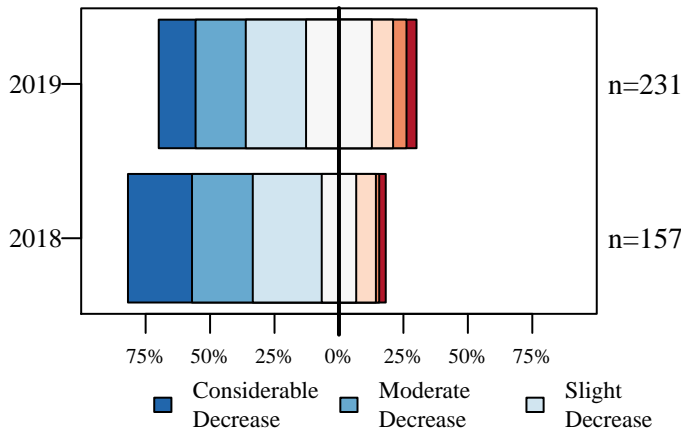


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

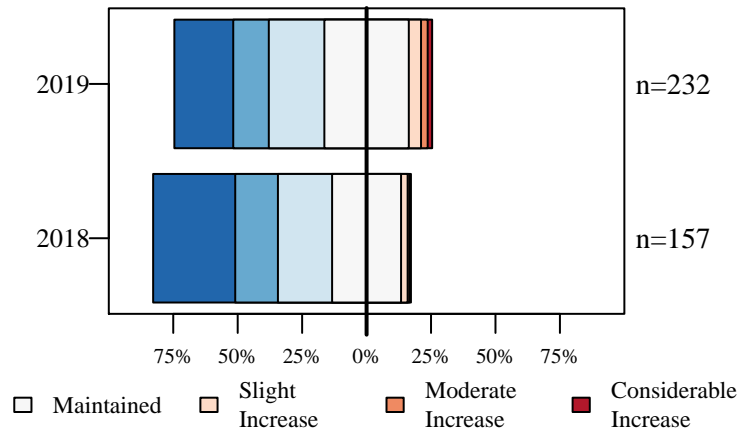


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

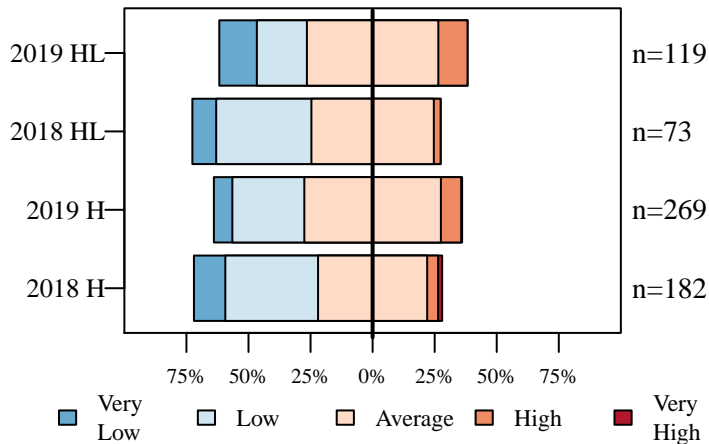


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

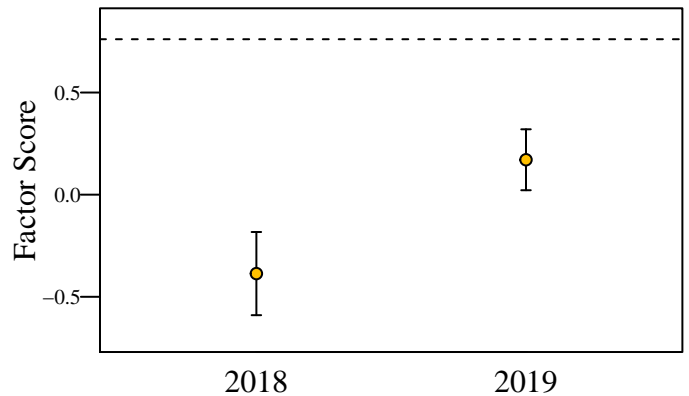


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Posey County

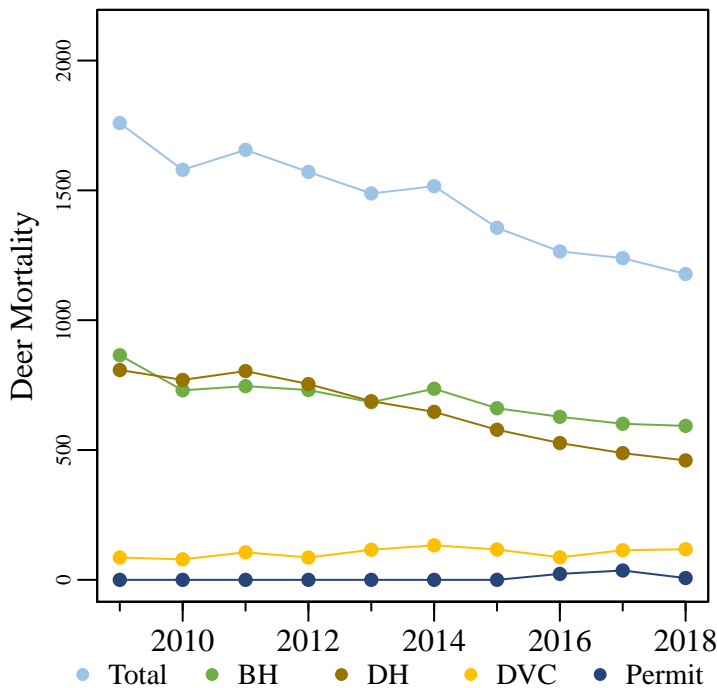
6/26/2019

Total Square Miles: 419  
 Square Miles of Deer Habitat: 84  
 Percent Deer Habitat: 20

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,441		802		9.55	639		7.61	44.34		71		2
2006	1,498		791		9.42	707		8.42	47.20		75		2
2007	1,653		879		10.46	774		9.21	46.82		81		3
2008	1,722		869		10.35	853		10.15	49.54		92		3
2009	1,673		865		10.30	808		9.62	48.30		86		4
2010	1,500	-0.80	730	-2.69	8.69	770	0.16	9.17	51.33		79	-0.24	4
2011	1,550	-0.57	746	-1.25	8.88	804	0.40	9.57	51.87		106	3.56	4
2012	1,485	-1.47	731	-1.19	8.70	754	-1.43	8.98	50.77		86	-0.26	4
2013	1,372	-2.02	684	-1.44	8.14	688	-2.86	8.19	50.15		116	2.58	3
2014	1,383	-1.22	736	-0.22	8.76	647	-2.42	7.70	46.78		133	2.45	3
2015	1,239	-2.83	661	-2.68	7.87	578	-2.42	6.88	46.65		117	0.59	3
2016	1,155	-2.11	628	-2.26	7.48	527	-1.89	6.27	45.63	23	87	-1.42	2
2017	1,089	-1.83	601	-1.89	7.15	488	-1.69	5.81	44.81	36	114	0.35	1
2018	1,053	-1.50	593	-1.33	7.06	460	-1.52	5.48	43.68	7	118	0.56	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

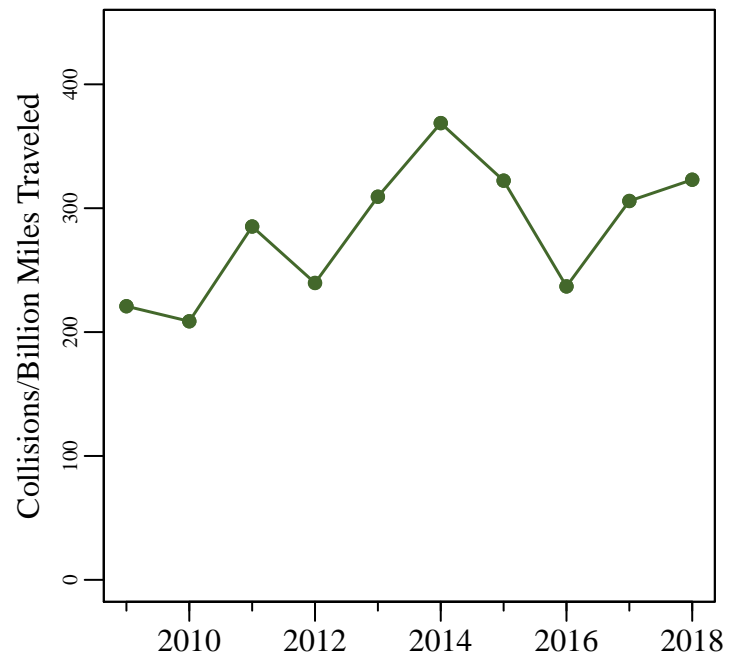


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Posey County

6/26/2019

Total Square Miles: 419  
 Square Miles of Deer Habitat: 84  
 Percent Deer Habitat: 20

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	990	420	568	2	0	446	439	88	16	1	0	0	0	0	0	0
2016	926	374	551	1	0	427	406	85	6	2	0	0	0	0	0	0
2017	902	401	500	1	0	392	439	65	6	0	0	0	0	0	0	0
2018	852	341	509	2	0	392	387	67	5	1	0	0	0	0	0	0

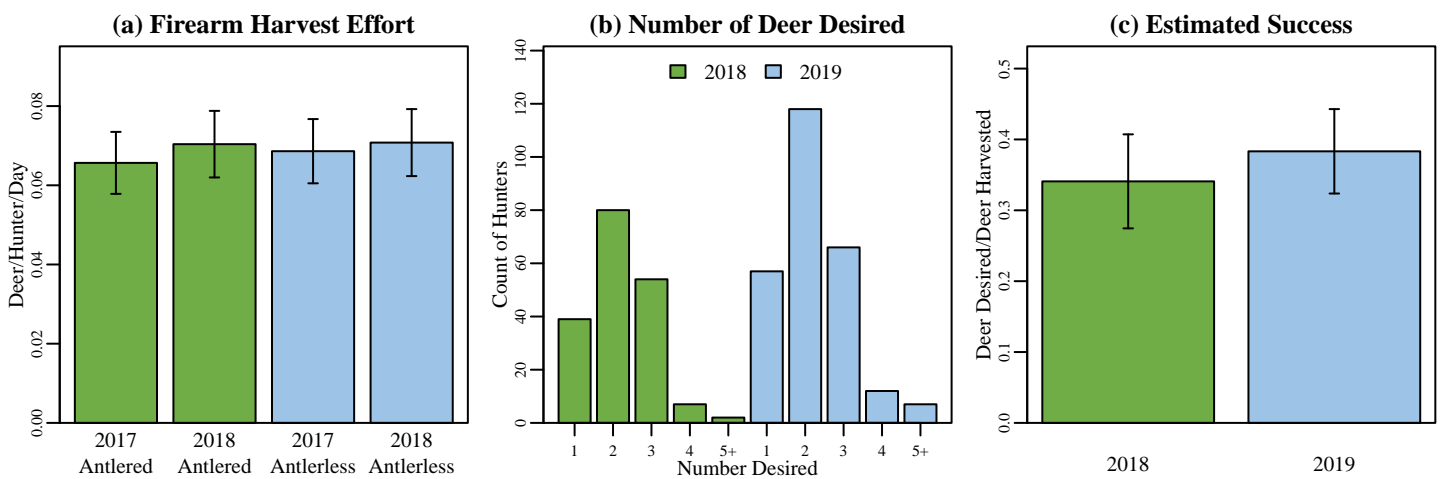
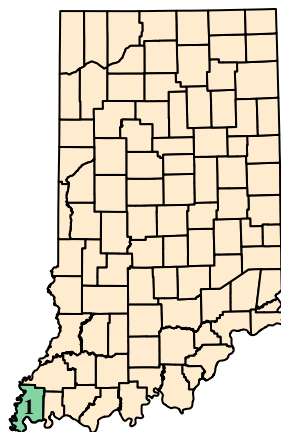


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

(a) Posey County Map



(b) Deer Habitat in Posey County

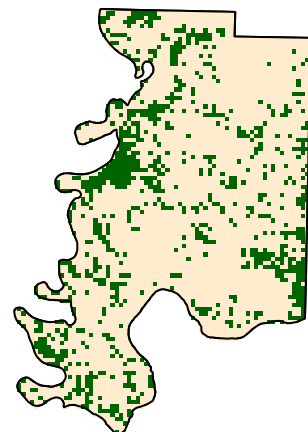


Figure 3. (a) Posey County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Posey County.

# Posey County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

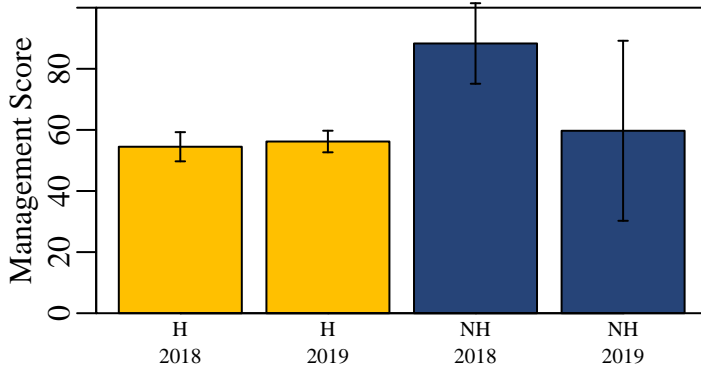


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

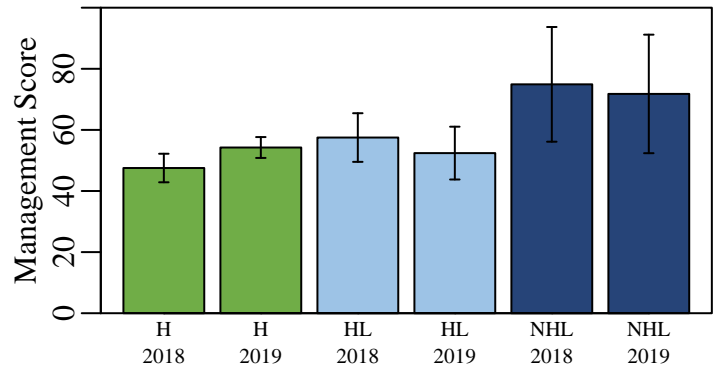


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

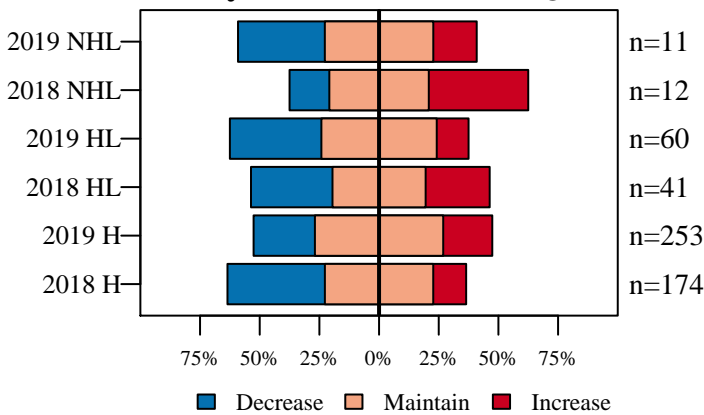


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

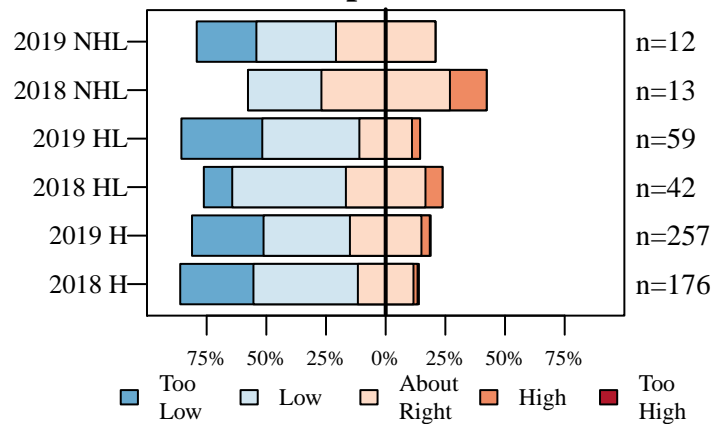


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

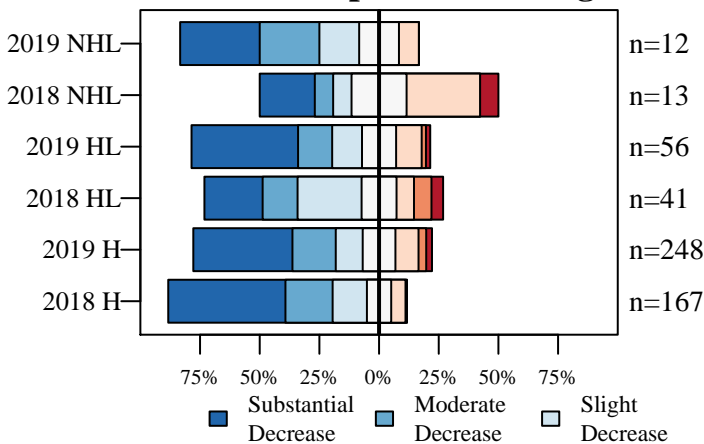


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

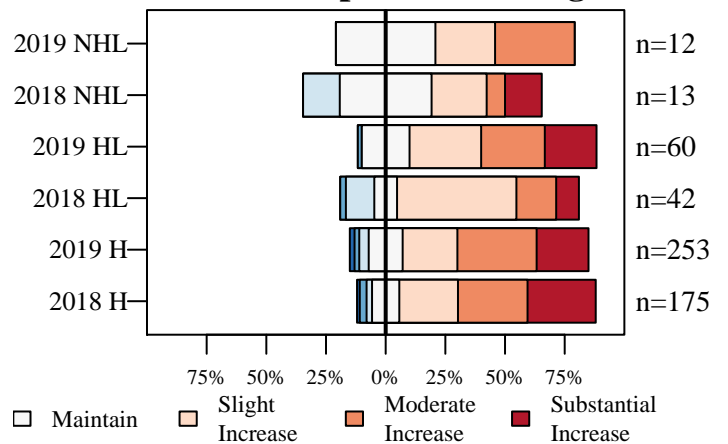


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Posey County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

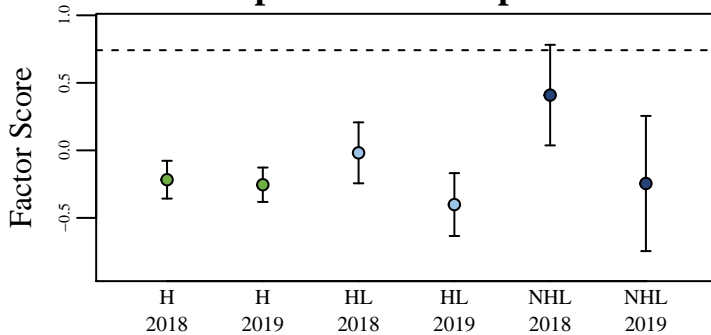


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

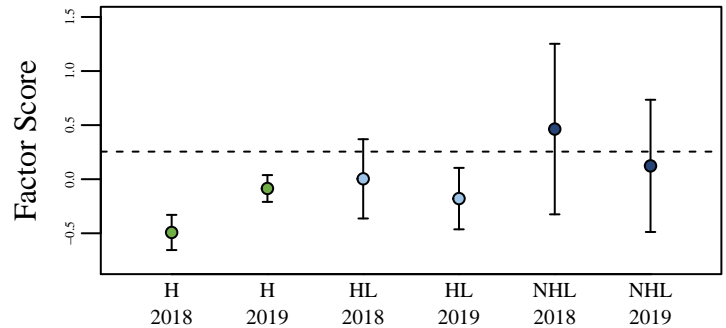


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

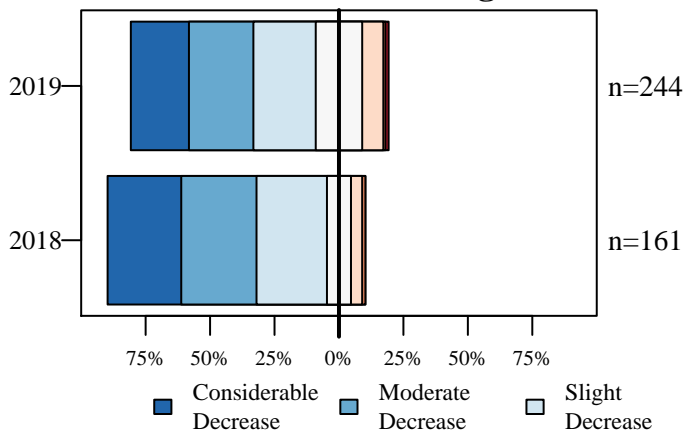


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

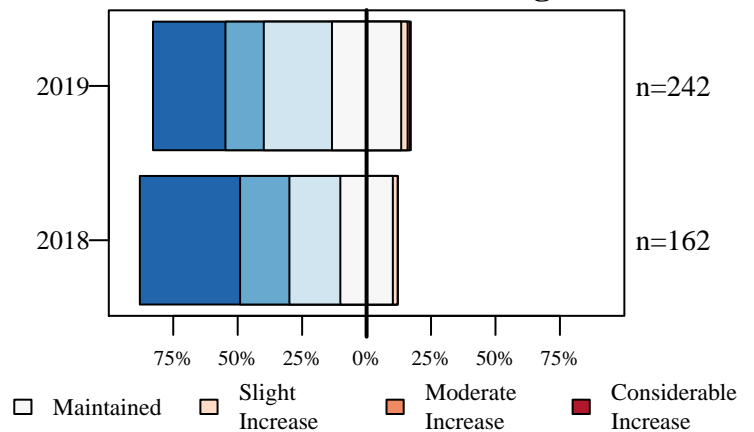


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

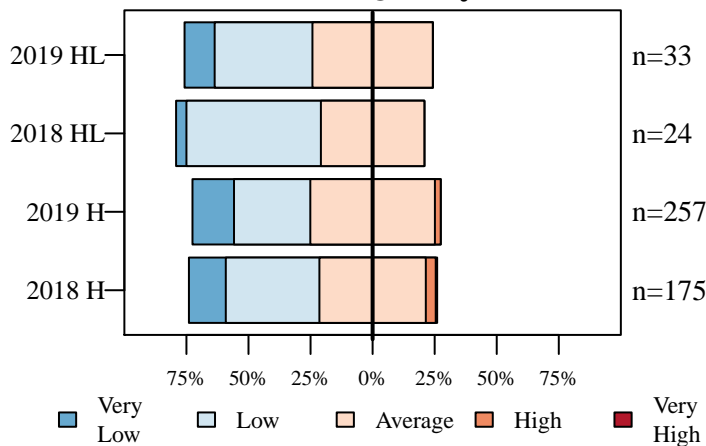


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

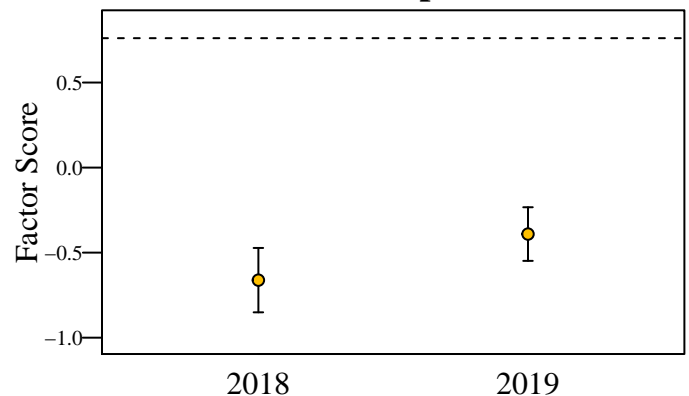


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Pulaski County

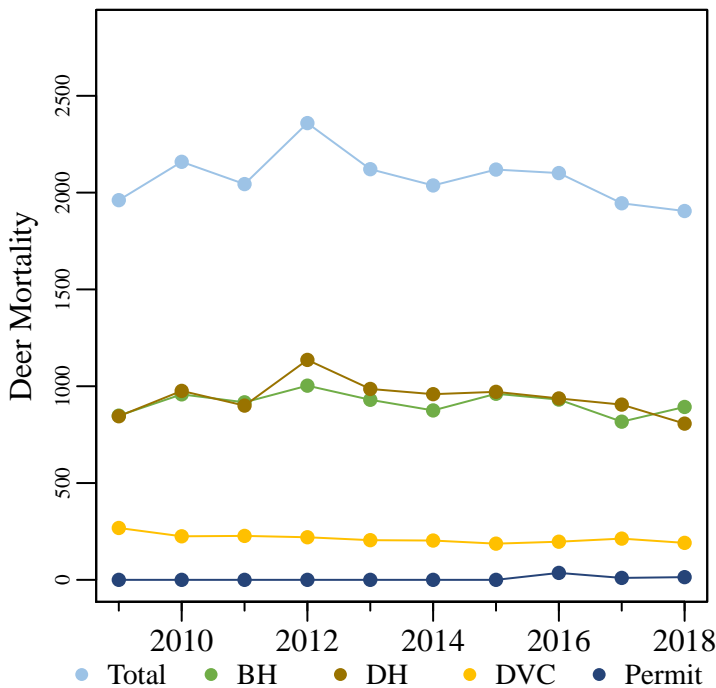
6/26/2019

Total Square Miles: 434  
 Square Miles of Deer Habitat: 69  
 Percent Deer Habitat: 16

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,347		769		11.14	578		8.38	42.91		207		2
2006	1,399		761		11.03	638		9.25	45.60		242		2
2007	1,438		798		11.57	640		9.28	44.51		224		2
2008	1,670		889		12.88	781		11.32	46.77		248		3
2009	1,693		848		12.29	845		12.25	49.91		268		4
2010	1,934	2.64	958	2.66	13.88	976	2.50	14.14	50.47		225	-0.55	4
2011	1,817	0.88	917	0.86	13.29	900	0.86	13.04	49.53		227	-0.79	8
2012	2,139	2.31	1,003	1.96	14.54	1,136	2.41	16.46	53.11		220	-0.95	8
2013	1,916	0.34	930	0.12	13.48	986	0.43	14.29	51.46		205	-1.62	8
2014	1,834	-0.40	875	-0.99	12.68	959	-0.09	13.90	52.29		203	-1.11	8
2015	1,932	0.03	961	0.51	13.93	971	-0.23	14.07	50.26		187	-2.57	8
2016	1,868	-0.46	931	-0.13	13.49	937	-0.61	13.58	50.16	36	197	-0.73	8
2017	1,722	-1.81	817	-2.62	11.84	905	-1.17	13.12	52.56	10	213	0.44	4
2018	1,700	-1.85	893	-0.17	12.94	807	-4.57	11.70	47.47	14	191	-1.20	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

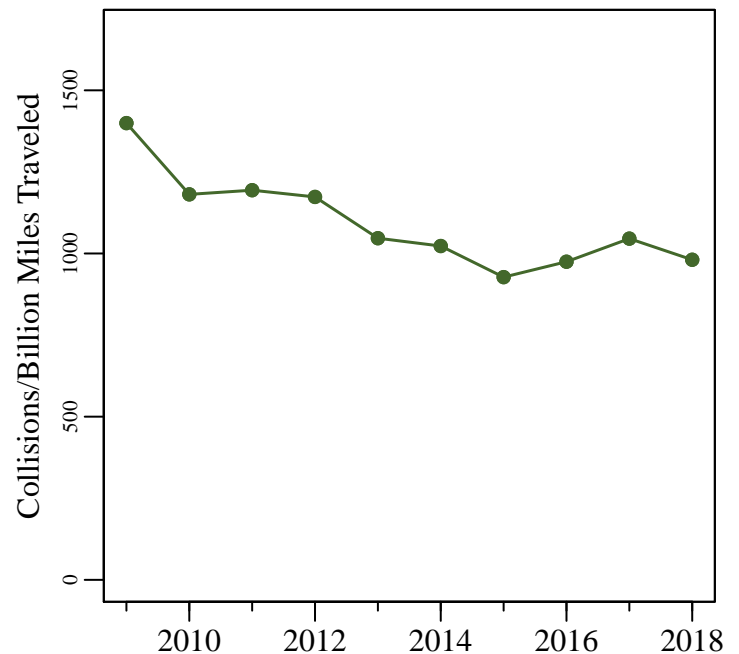


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Pulaski County

6/26/2019

Total Square Miles: 434  
 Square Miles of Deer Habitat: 69  
 Percent Deer Habitat: 16

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,366	600	763	3	0	537	599	164	39	17	9	1	0	0	0	0
2016	1,297	572	722	3	0	503	553	176	42	13	4	5	1	0	0	0
2017	1,210	575	631	4	0	415	577	161	44	13	0	0	0	0	0	0
2018	1,226	519	704	3	0	493	527	165	34	4	3	0	0	0	0	0

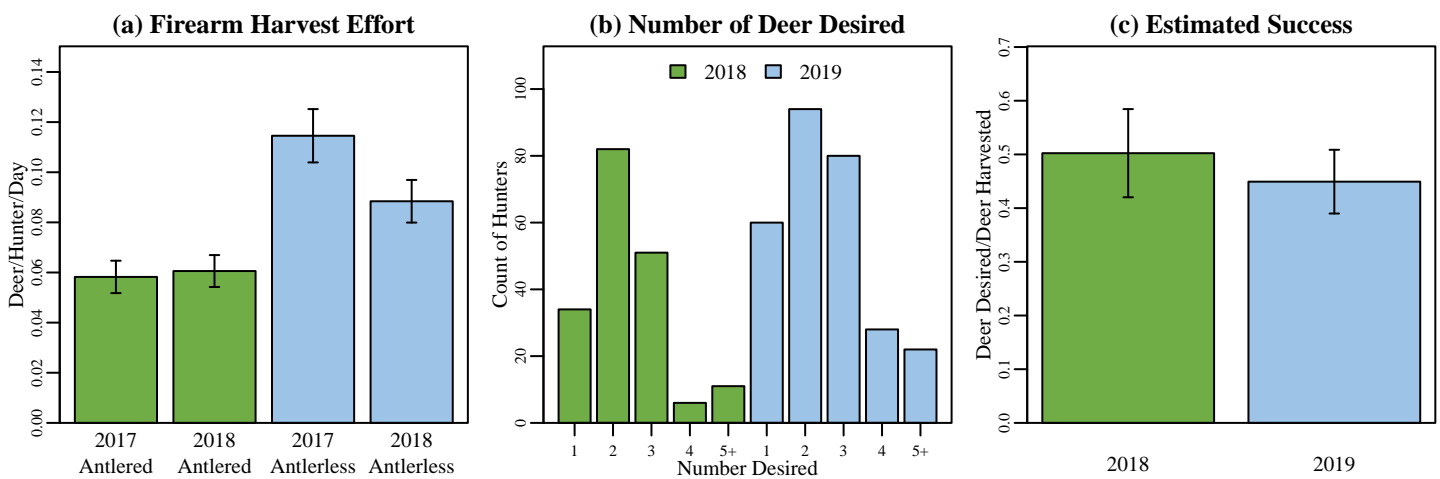
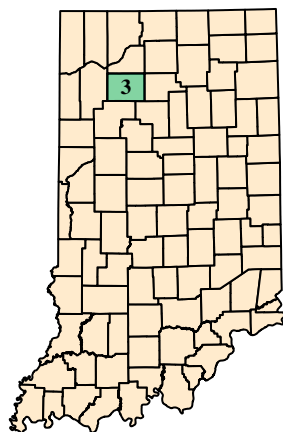


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Pulaski County Map



## (b) Deer Habitat in Pulaski County

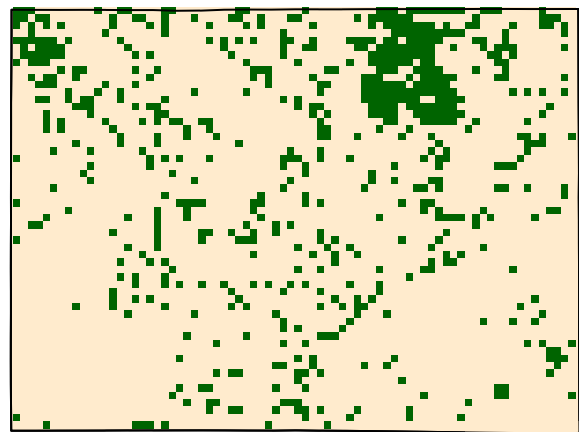


Figure 3. (a) Pulaski County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Pulaski County.

# Pulaski County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

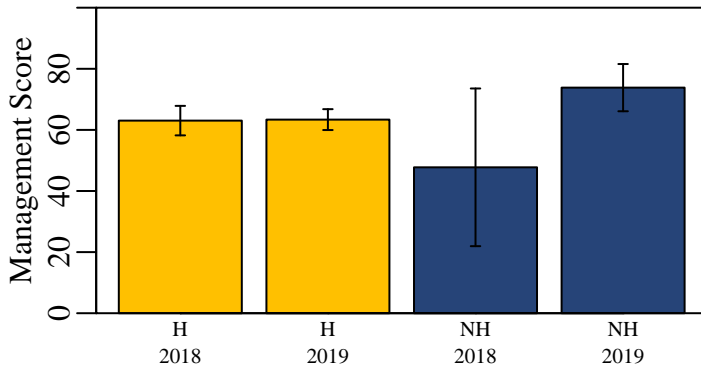


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

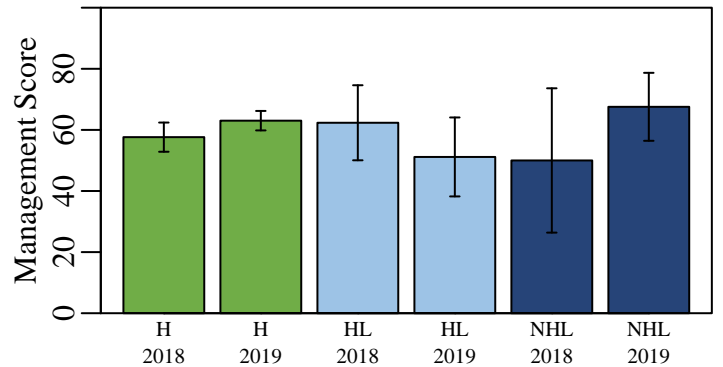


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

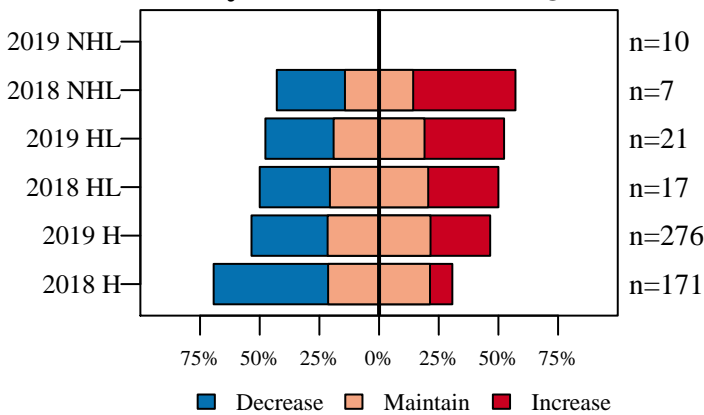


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

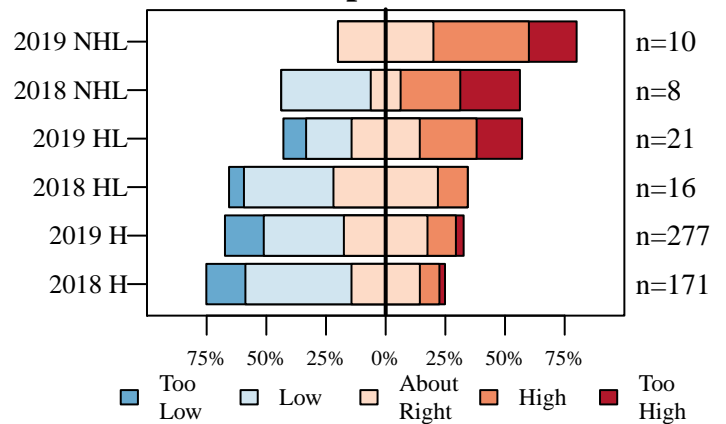


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

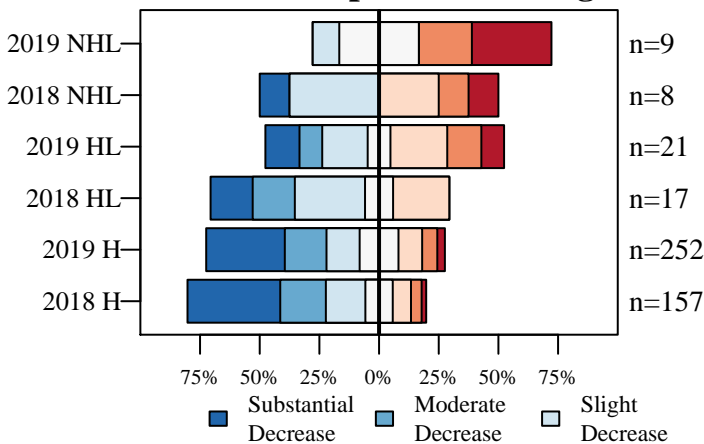


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

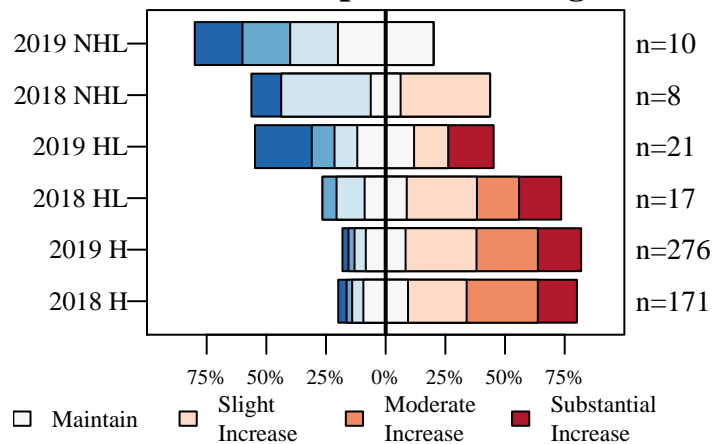


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Pulaski County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

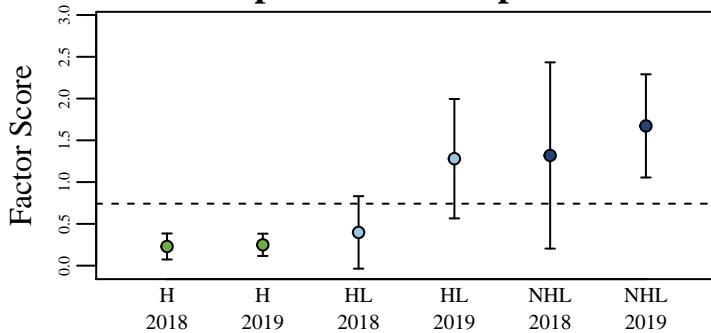


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

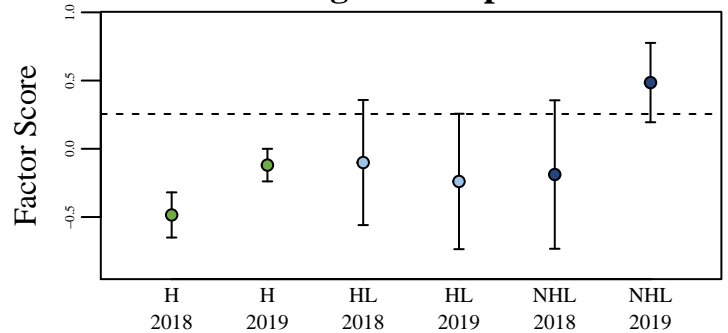


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

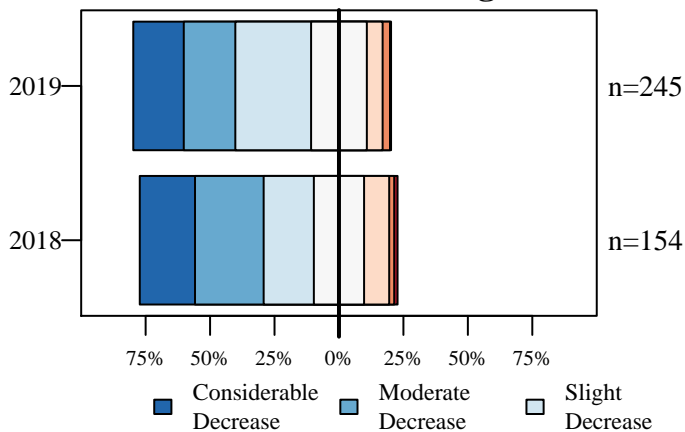


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

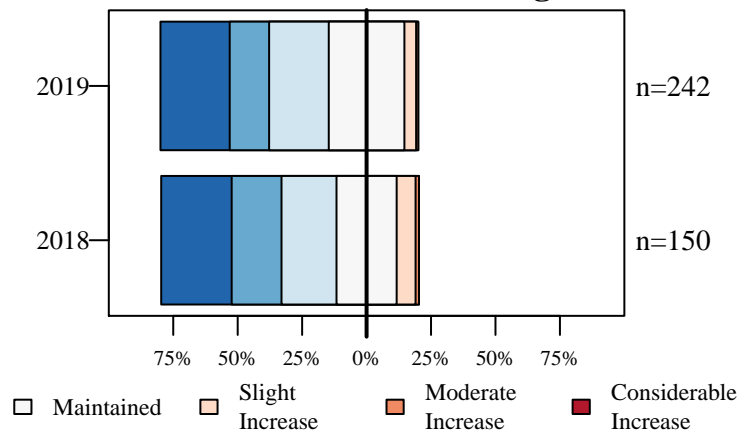


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

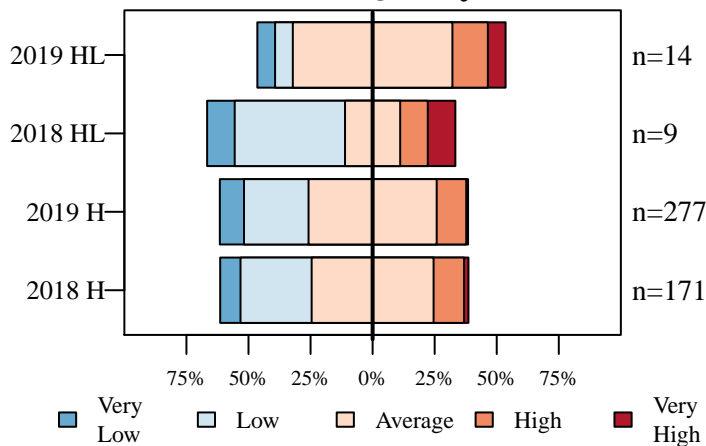


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

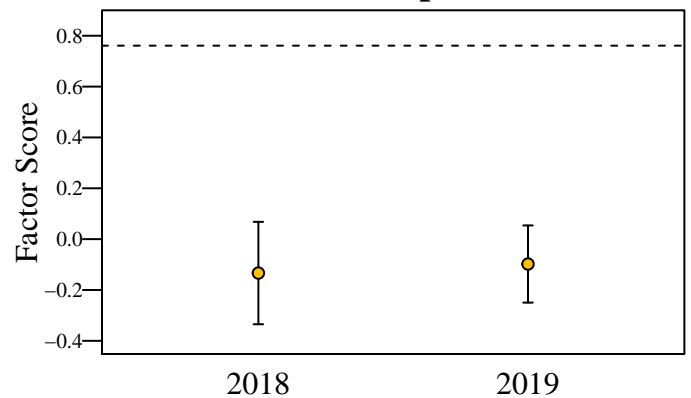


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Putnam County

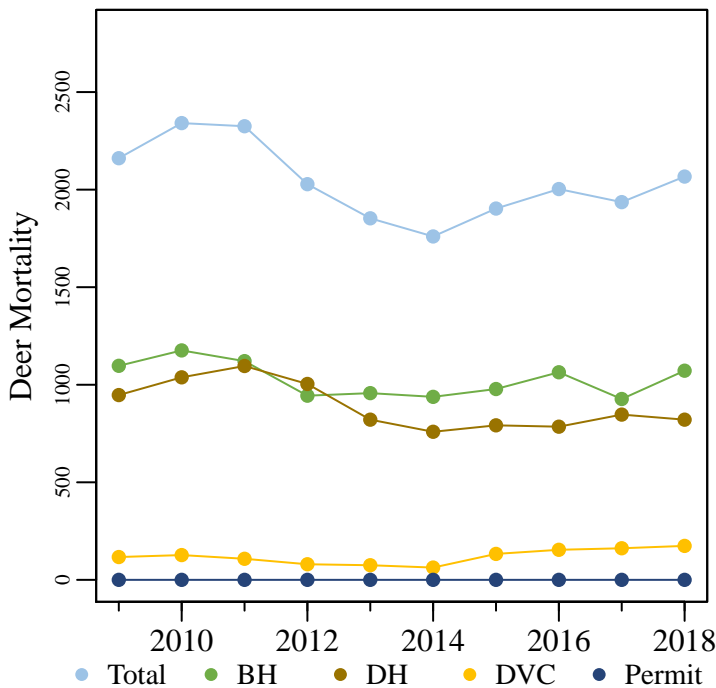
6/26/2019

Total Square Miles: 483  
 Square Miles of Deer Habitat: 214  
 Percent Deer Habitat: 44

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,986		1,104		5.16	882		4.12	44.41		25		3
2006	1,758		926		4.33	832		3.89	47.33		96		4
2007	1,722		976		4.56	746		3.49	43.32		136		3
2008	1,800		972		4.54	828		3.87	46.00		123		4
2009	2,044		1,097		5.13	947		4.43	46.33		117		4
2010	2,214	2.45	1,176	2.00	5.50	1,038	2.57	4.85	46.88		127	0.63	8
2011	2,217	1.45	1,121	0.88	5.24	1,096	1.90	5.12	49.44		108	-0.79	8
2012	1,948	-0.22	944	-1.37	4.41	1,004	0.50	4.69	51.54		80	-4.01	8
2013	1,778	-1.49	957	-1.05	4.47	821	-1.59	3.84	46.18		75	-1.92	4
2014	1,697	-1.84	938	-1.17	4.38	759	-2.12	3.55	44.73		63	-1.68	4
2015	1,770	-0.83	978	-0.44	4.57	792	-1.04	3.70	44.75		133	1.62	4
2016	1,849	-0.16	1,064	1.00	4.97	785	-0.74	3.67	42.46	0	154	2.20	4
2017	1,774	-0.36	927	-0.96	4.33	847	0.15	3.96	47.75	0	162	1.67	4
2018	1,893	2.22	1,072	1.82	5.01	821	0.59	3.84	43.37	0	174	1.59	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

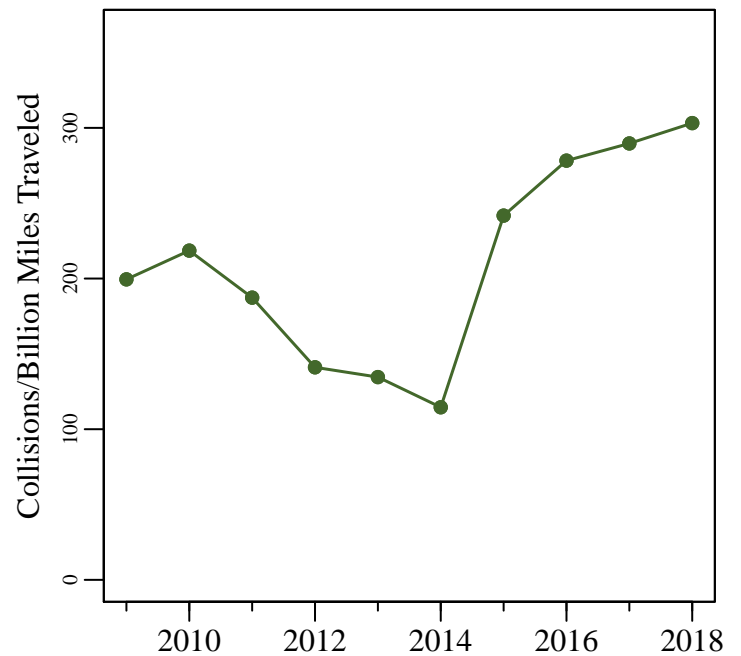


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Putnam County

6/26/2019

Total Square Miles: 483  
 Square Miles of Deer Habitat: 214  
 Percent Deer Habitat: 44

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,406	650	754	2	0	581	678	116	25	4	1	1	0	0	0	0
2016	1,465	556	905	4	0	729	585	115	27	5	4	0	0	0	0	0
2017	1,358	624	728	6	0	553	622	147	28	6	2	0	0	0	0	0
2018	1,479	575	903	1	0	695	618	135	24	7	0	0	0	0	0	0

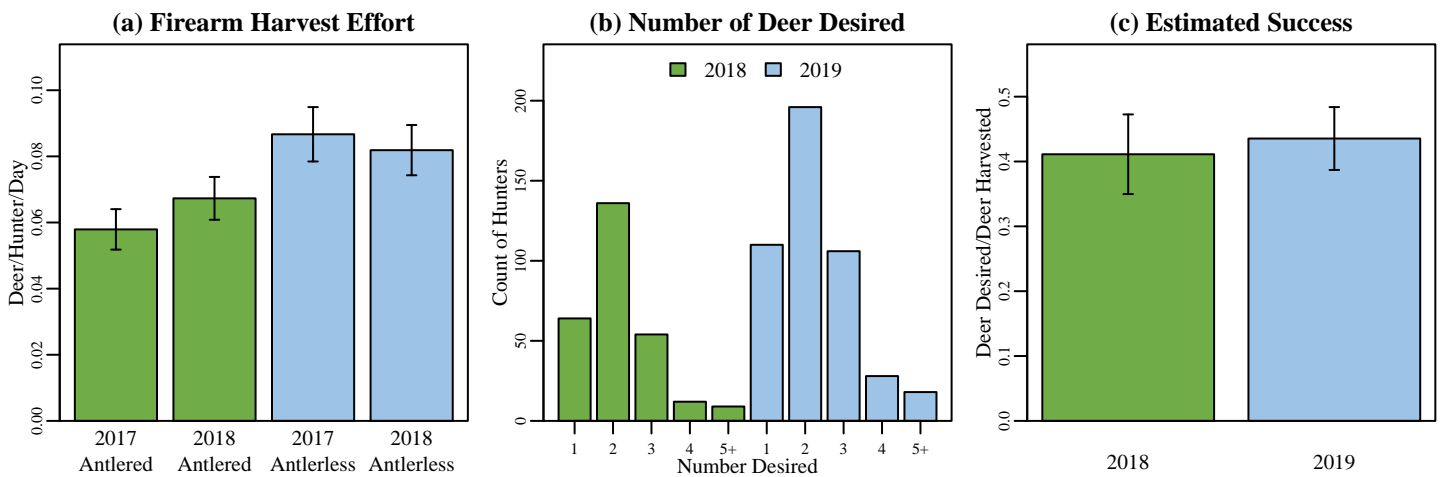


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Putnam County Map



## (b) Deer Habitat in Putnam County

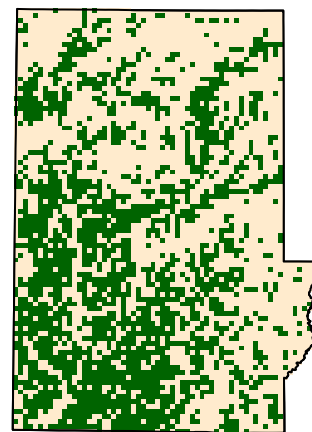


Figure 3. (a) Putnam County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Putnam County.

# Putnam County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

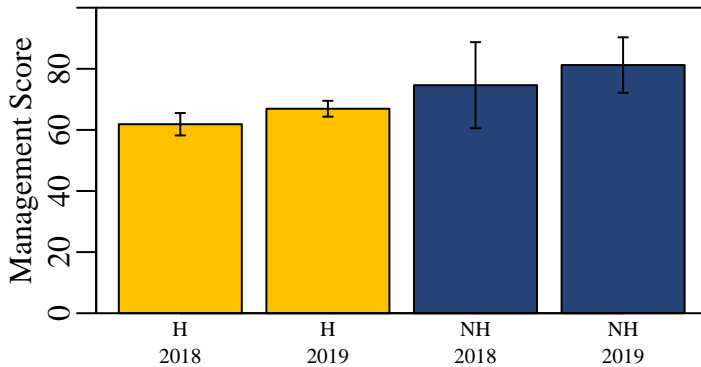


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

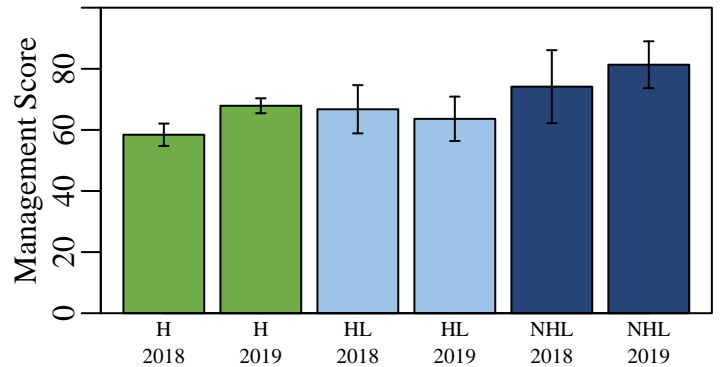


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

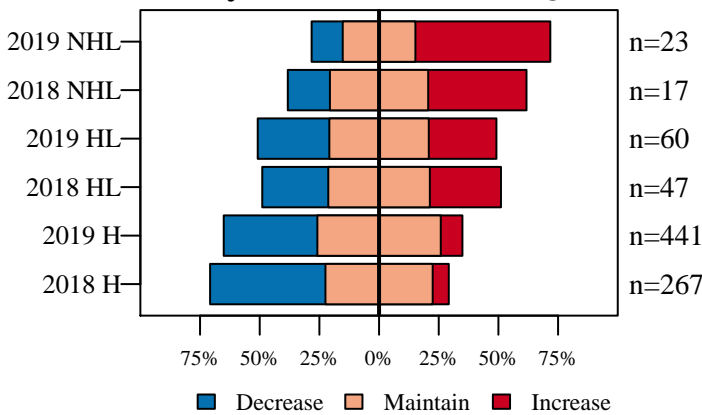


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

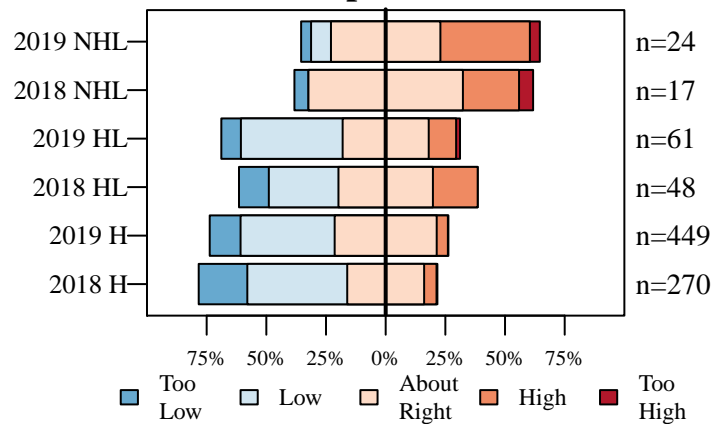


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

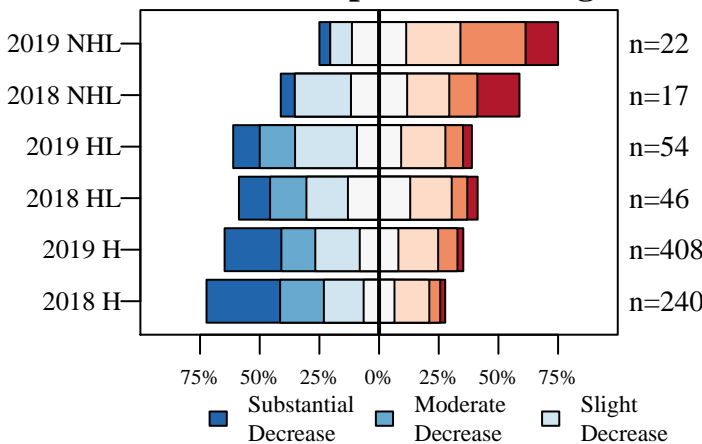


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

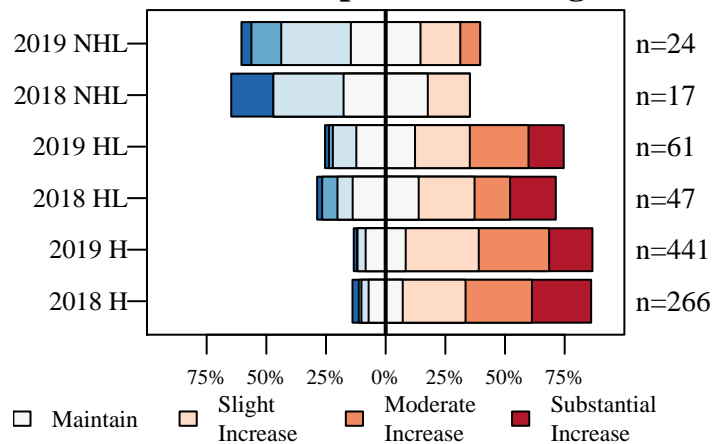


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Putnam County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

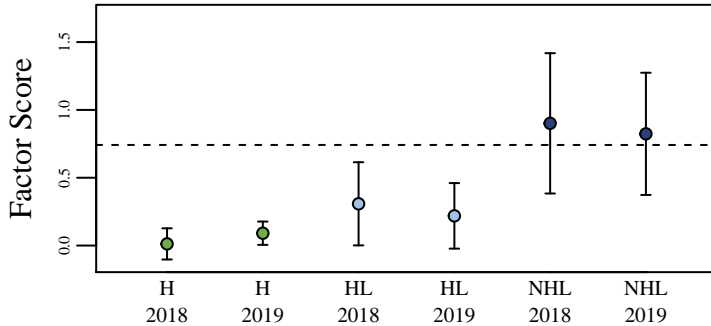


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

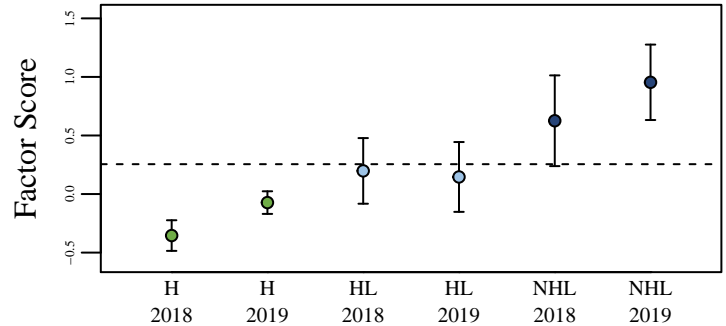


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

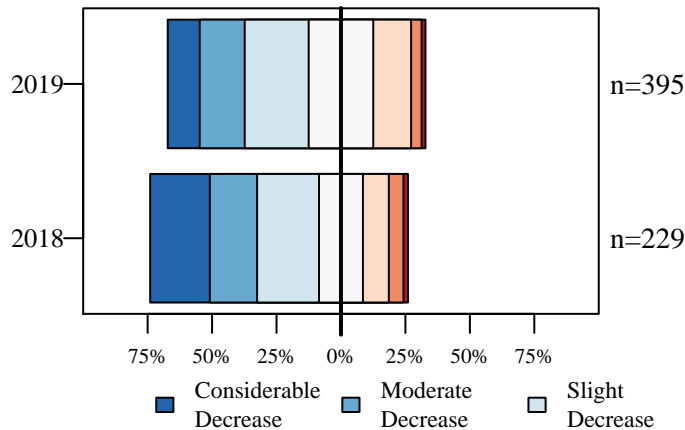


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

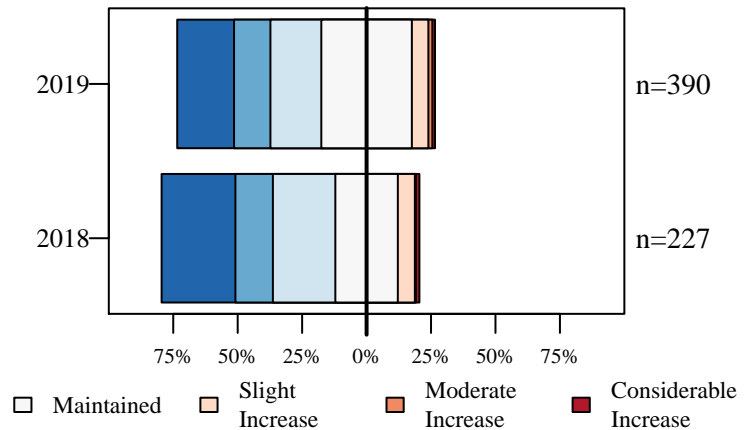


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

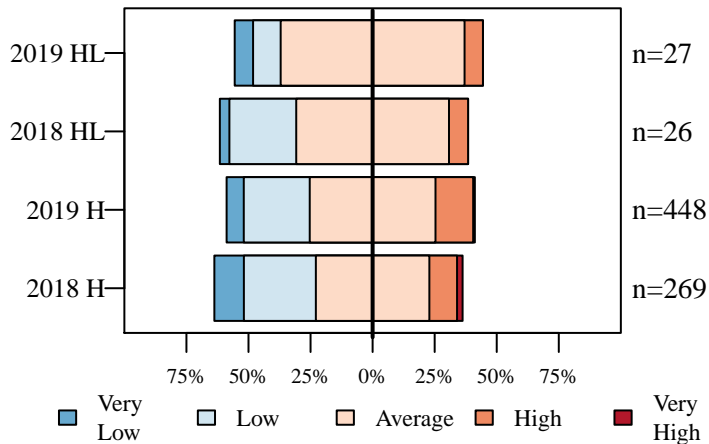


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

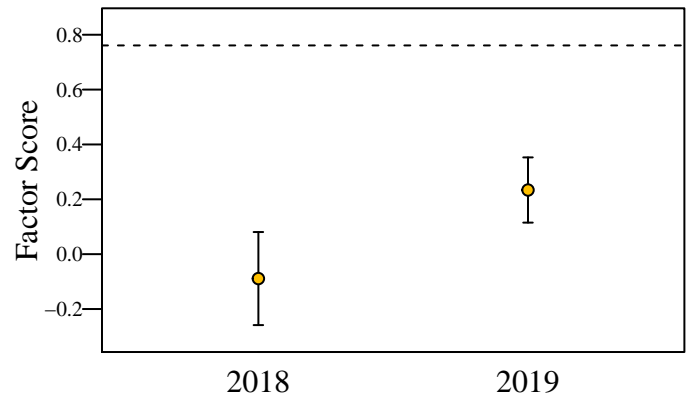


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Randolph County

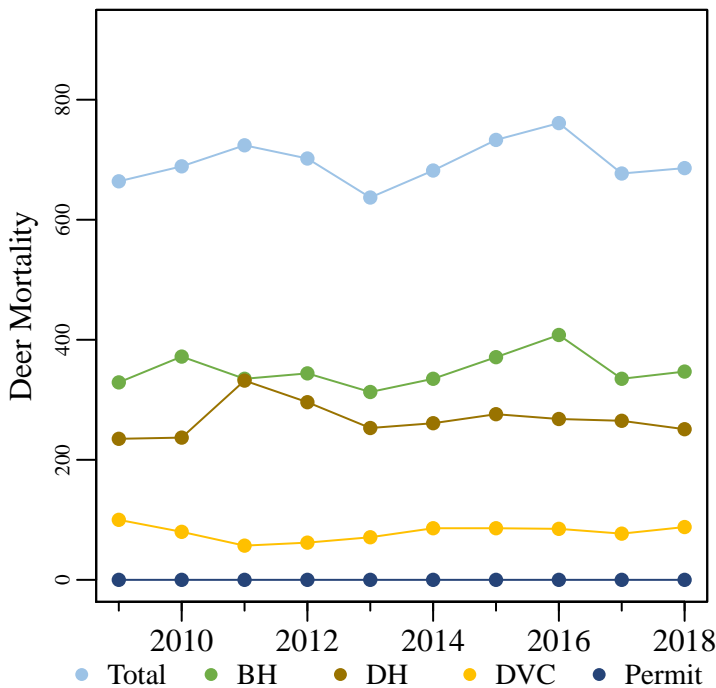
6/26/2019

Total Square Miles: 453  
 Square Miles of Deer Habitat: 49  
 Percent Deer Habitat: 11

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	522		307		6.27	215		4.39	41.19		94		1
2006	509		287		5.86	222		4.53	43.61		103		1
2007	545		308		6.29	237		4.84	43.49		94		1
2008	507		281		5.73	226		4.61	44.58		97		1
2009	564		329		6.71	235		4.80	41.67		100		1
2010	609	3.24	372	3.65	7.59	237	1.09	4.84	38.92		80	-4.50	1
2011	667	2.84	335	0.53	6.84	332	14.48	6.78	49.78		57	-4.23	2
2012	640	1.00	344	0.56	7.02	296	0.96	6.04	46.25		62	-1.33	2
2013	566	-0.50	313	-0.58	6.39	253	-0.26	5.16	44.70		71	-0.42	2
2014	596	-0.29	335	-0.16	6.84	261	-0.23	5.33	43.79		86	0.71	2
2015	647	0.80	371	1.46	7.57	276	0.01	5.63	42.66		86	1.23	2
2016	676	1.28	408	3.27	8.33	268	-0.49	5.47	39.64	0	85	0.94	2
2017	600	-0.57	335	-0.53	6.84	265	-0.35	5.41	44.17	0	77	0.19	2
2018	598	-0.43	347	-0.14	7.08	251	-1.60	5.12	41.97	0	88	1.10	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

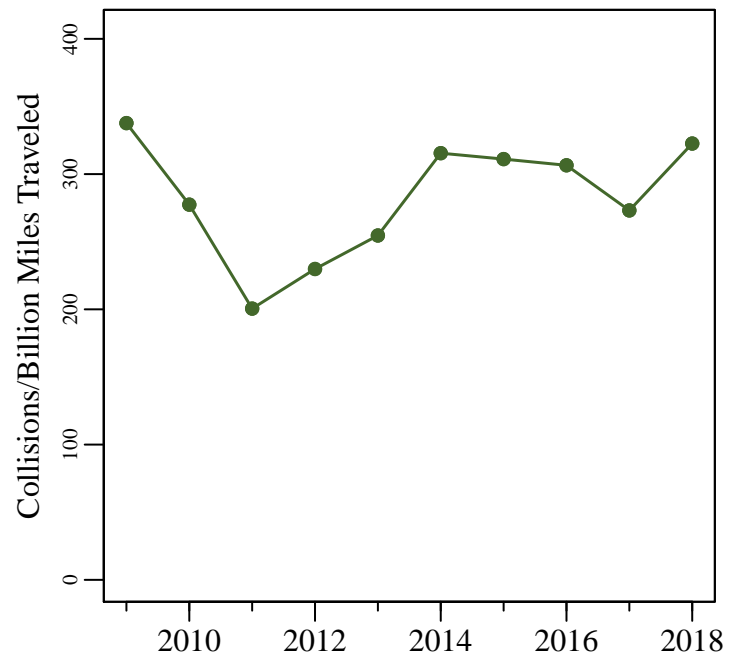


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Randolph County

6/26/2019

Total Square Miles: 453  
 Square Miles of Deer Habitat: 49  
 Percent Deer Habitat: 11

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	522	233	288	1	0	222	248	48	3	1	0	0	0	0	0	0
2016	543	228	313	1	1	241	251	47	3	1	0	0	0	0	0	0
2017	479	230	248	1	0	185	241	50	3	0	0	0	0	0	0	0
2018	490	224	266	0	0	199	255	31	5	0	0	0	0	0	0	0

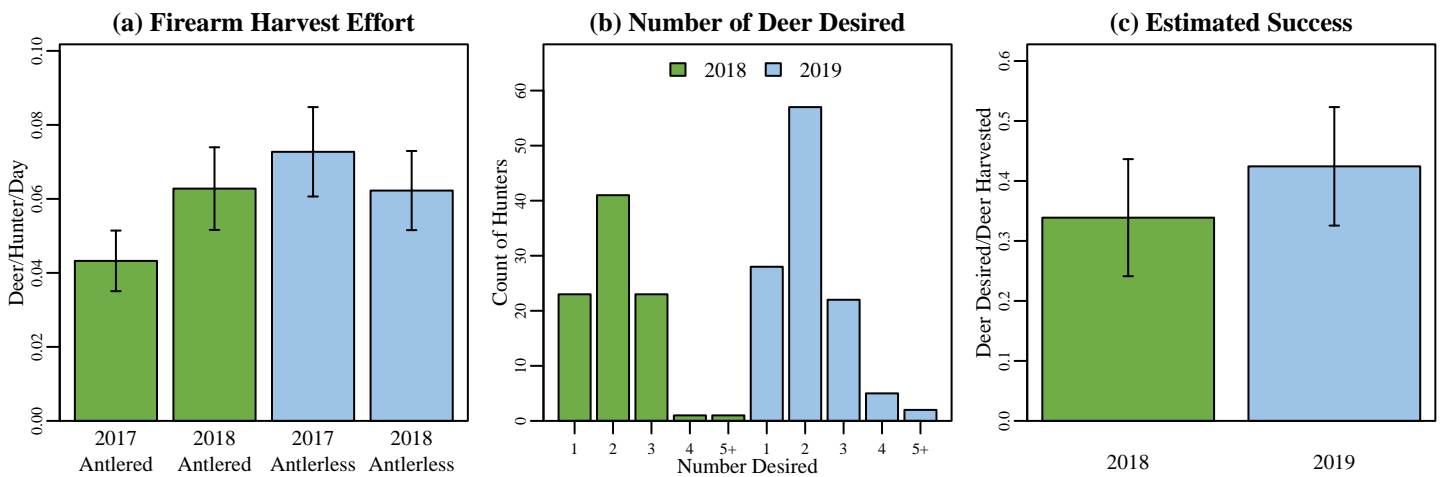
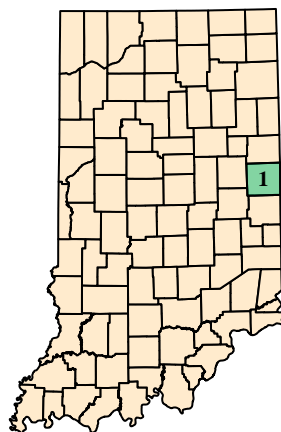


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Randolph County Map



## (b) Deer Habitat in Randolph County

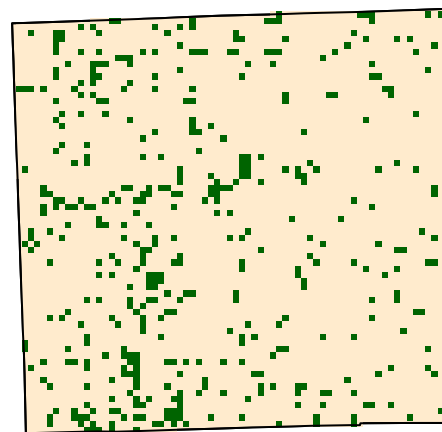


Figure 3. (a) Randolph County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Randolph County.

# Randolph County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

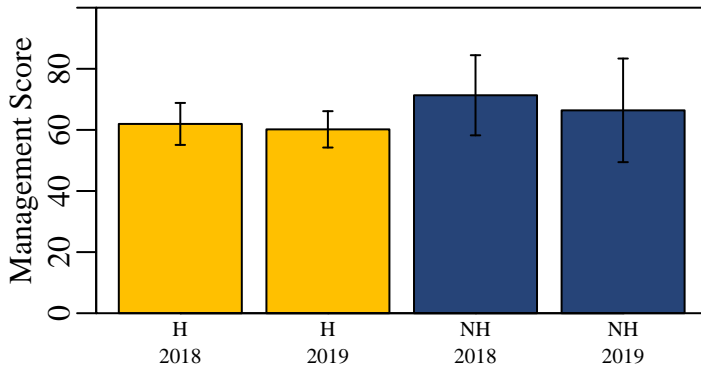


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

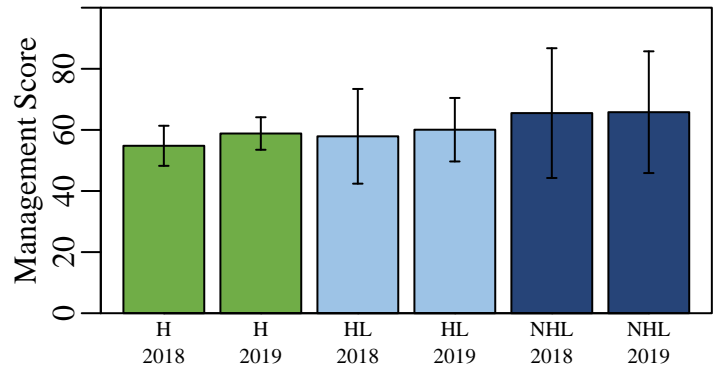


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

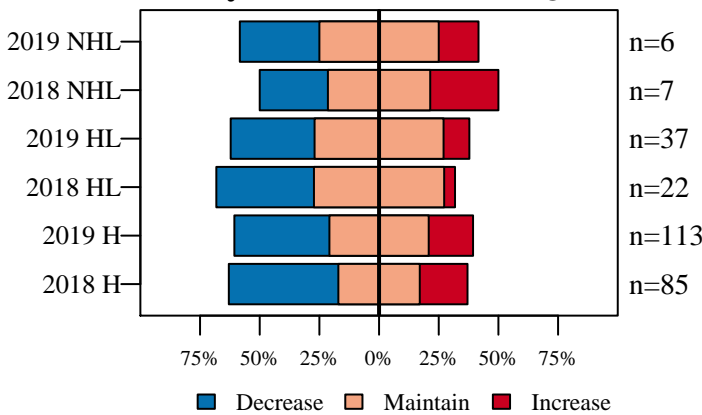


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

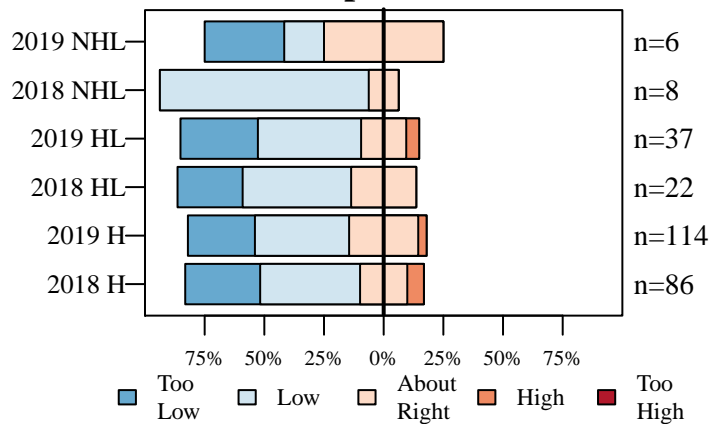


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

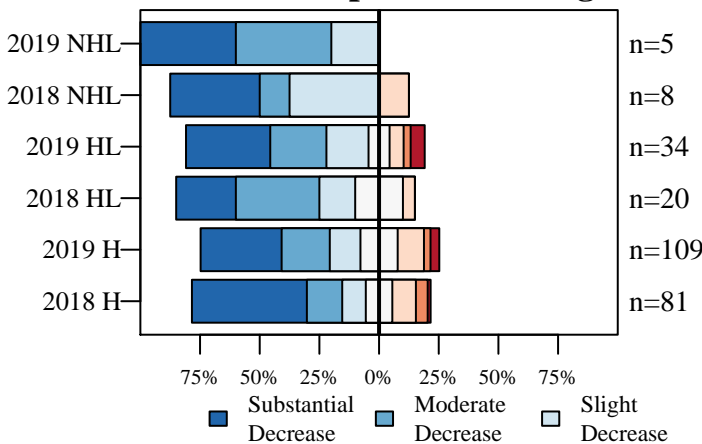


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

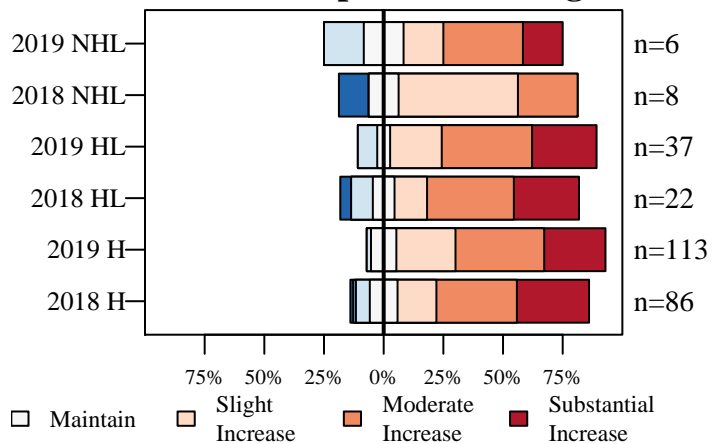


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Randolph County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

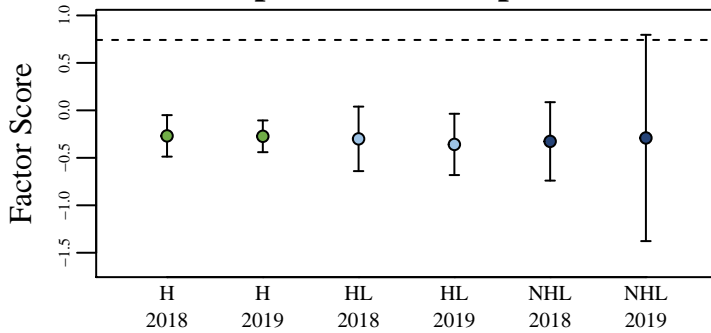


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

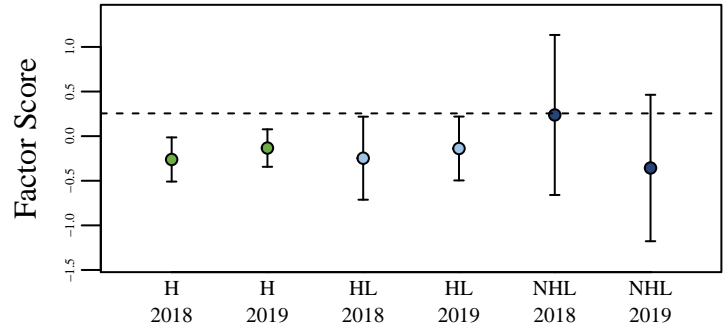


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

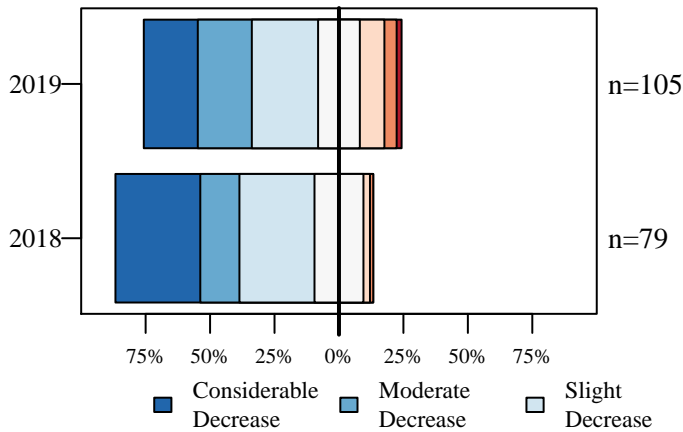


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

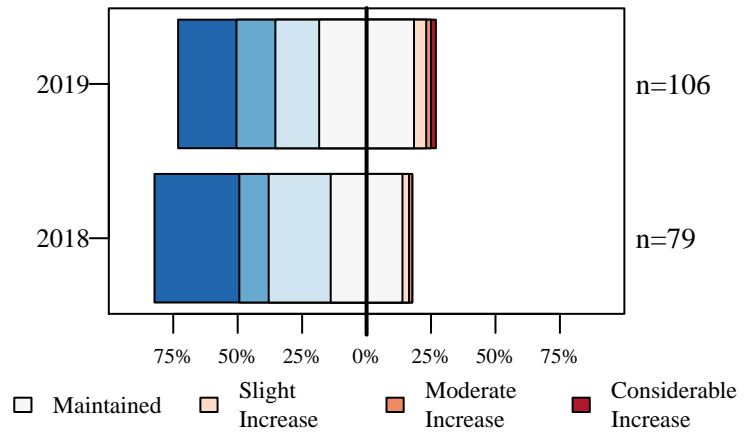


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

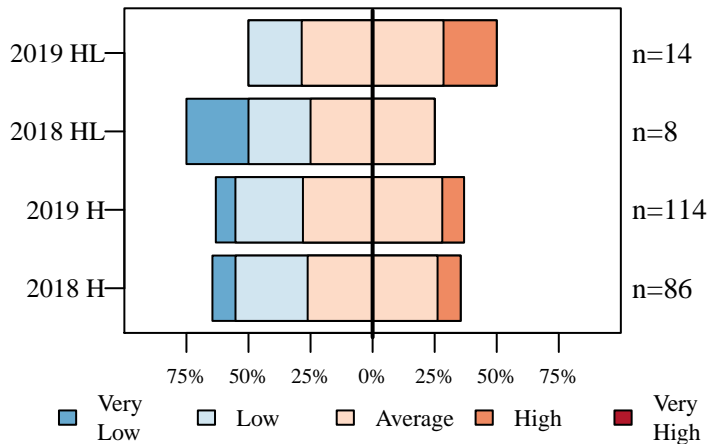


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

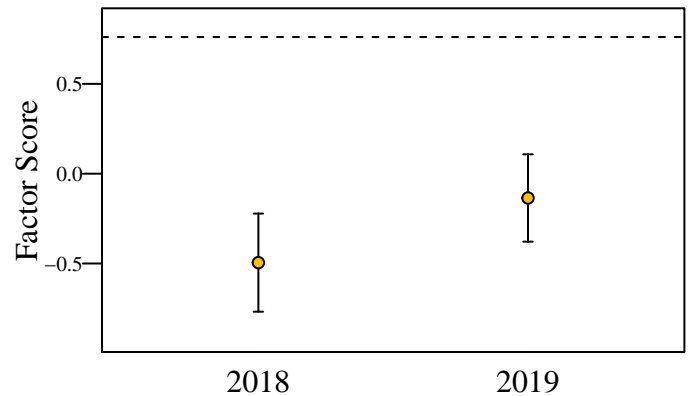


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Ripley County

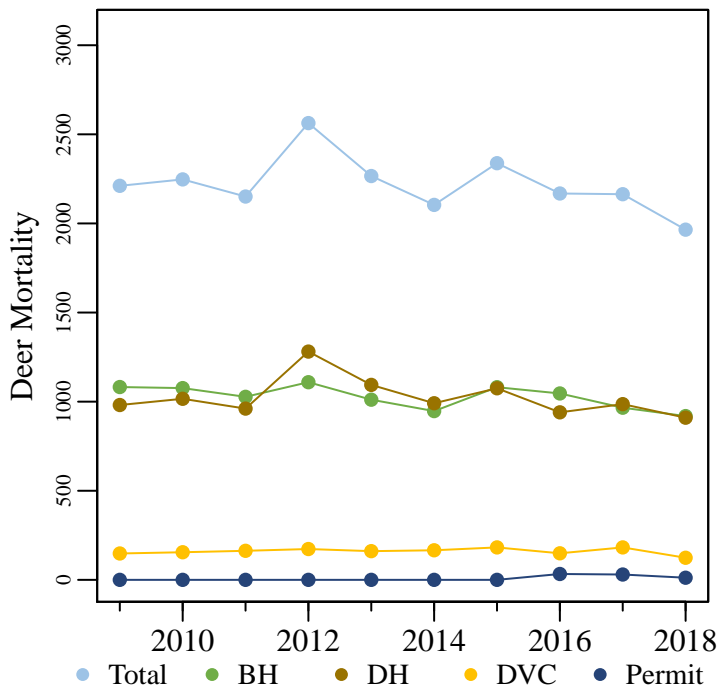
6/26/2019

Total Square Miles: 448  
 Square Miles of Deer Habitat: 258  
 Percent Deer Habitat: 57

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,622		803		3.11	819		3.17	50.49		128		3
2006	1,508		811		3.14	697		2.70	46.22		182		3
2007	1,738		865		3.35	873		3.38	50.23		158		3
2008	1,652		878		3.40	774		3.00	46.85		151		3
2009	2,063		1,082		4.19	981		3.80	47.55		148		4
2010	2,092	1.78	1,076	1.66	4.17	1,016	1.75	3.94	48.57		155	0.08	4
2011	1,988	0.69	1,027	0.66	3.98	961	0.69	3.72	48.34		163	0.31	4
2012	2,390	2.43	1,109	1.16	4.30	1,281	3.69	4.97	53.60		173	3.06	8
2013	2,105	0.26	1,011	-0.25	3.92	1,094	0.50	4.24	51.97		161	0.30	8
2014	1,938	-1.23	947	-2.80	3.67	991	-0.58	3.84	51.14		166	0.64	8
2015	2,156	0.30	1,081	0.75	4.19	1,075	0.05	4.17	49.86		182	2.78	8
2016	1,986	-0.73	1,046	0.17	4.05	940	-1.12	3.64	47.33	33	149	-2.33	8
2017	1,952	-0.92	966	-1.15	3.74	986	-0.69	3.82	50.51	30	182	1.46	8
2018	1,829	-2.04	919	-1.65	3.56	910	-1.65	3.53	49.75	12	124	-3.68	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

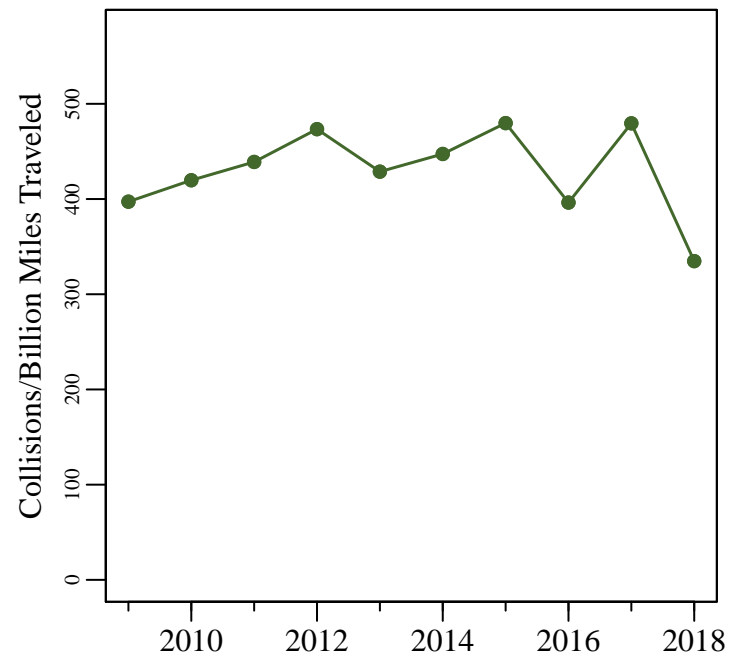


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Ripley County

6/26/2019

Total Square Miles: 448  
 Square Miles of Deer Habitat: 258  
 Percent Deer Habitat: 57

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,579	763	809	7	0	603	720	185	49	15	6	1	0	0	0	0
2016	1,468	648	814	6	0	609	645	152	42	15	5	0	0	0	0	0
2017	1,437	701	732	4	0	547	659	172	38	13	5	3	0	0	0	0
2018	1,348	686	658	4	0	473	641	188	38	8	0	0	0	0	0	0

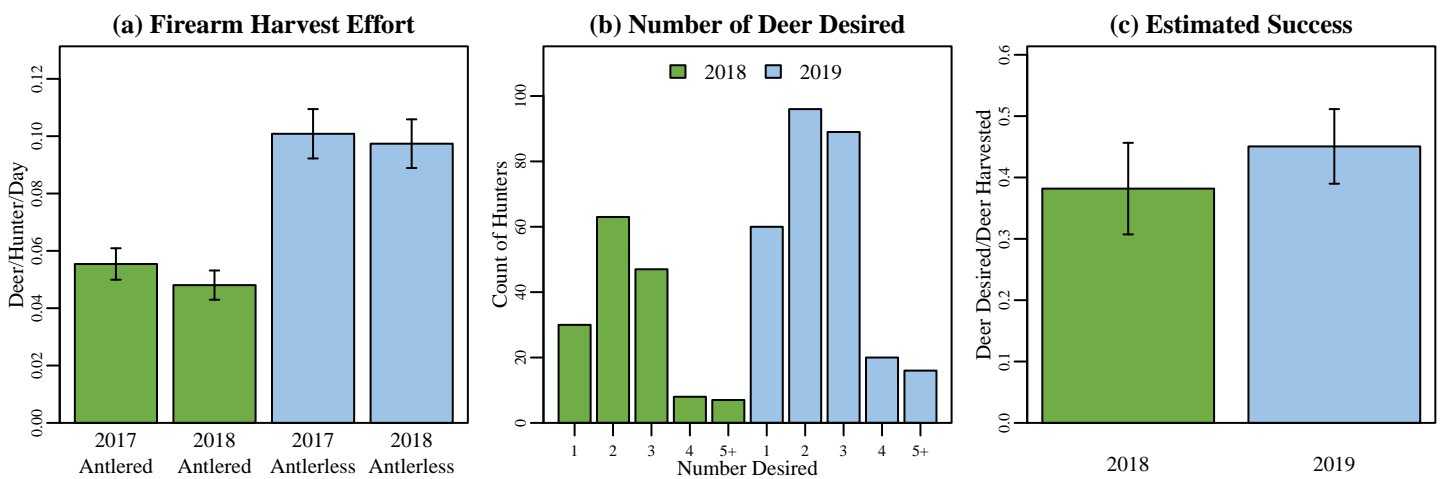


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Ripley County Map



## (b) Deer Habitat in Ripley County

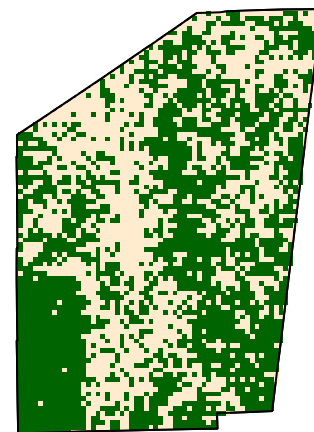


Figure 3. (a) Ripley County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Ripley County.

# Ripley County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

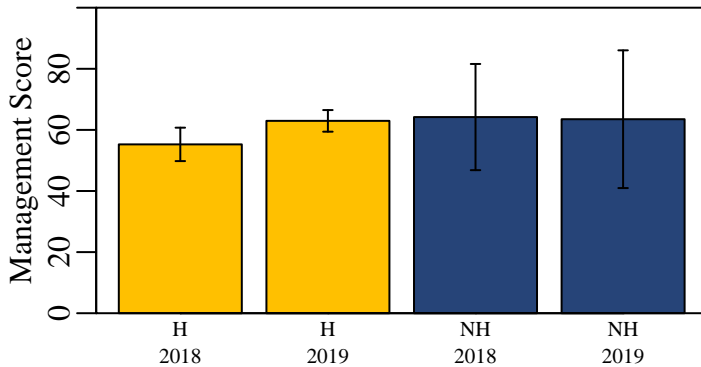


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

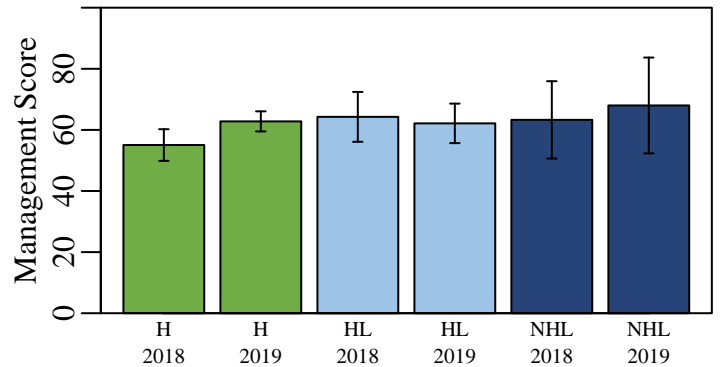


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

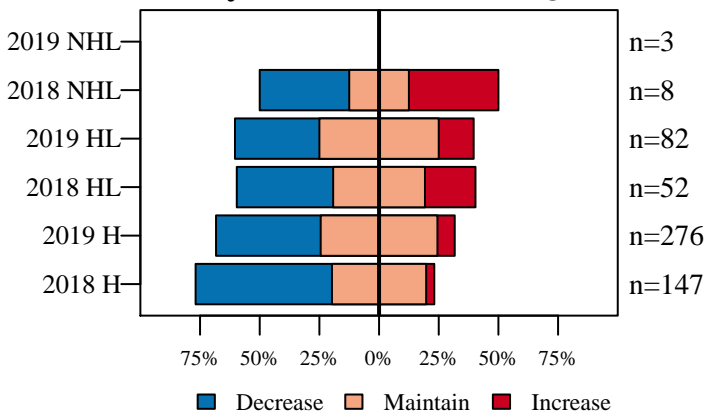


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

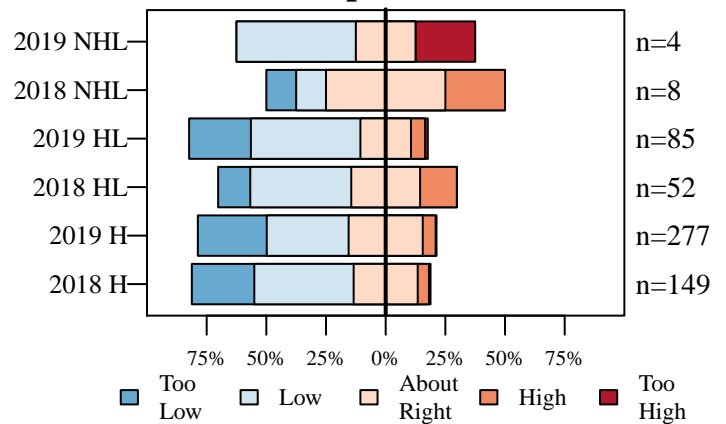


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

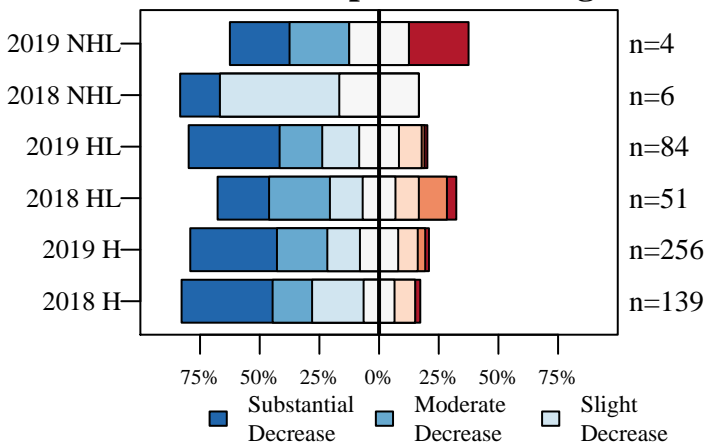


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

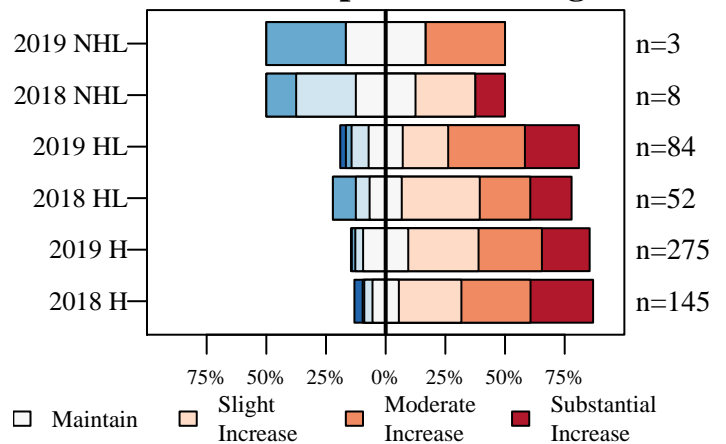


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Ripley County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

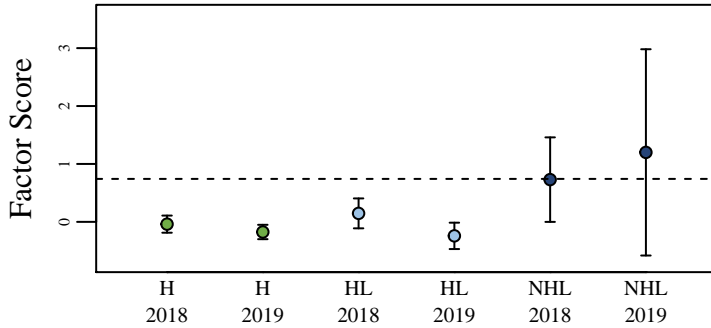


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

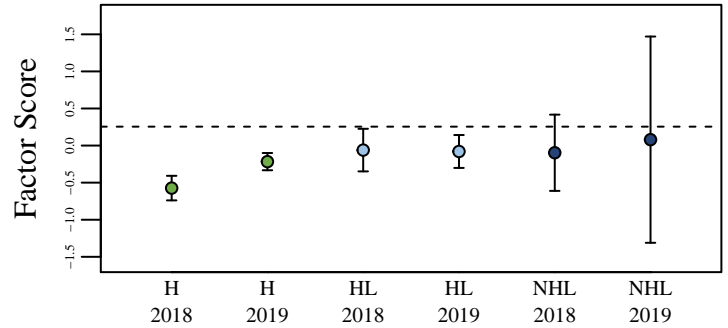


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

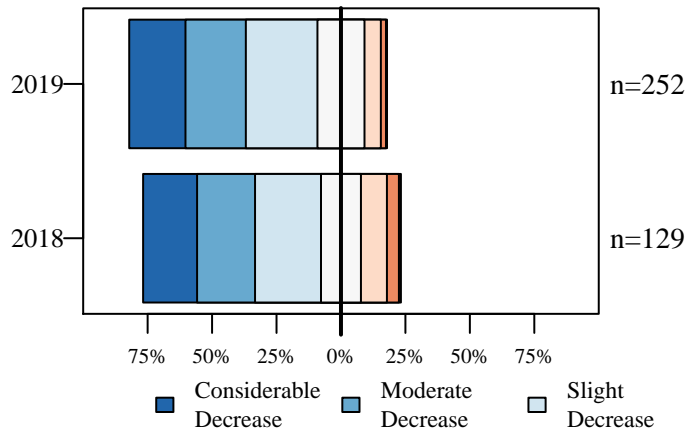


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

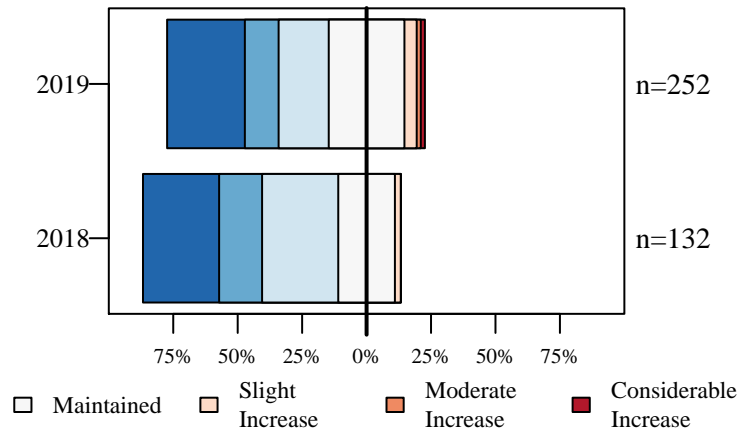


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

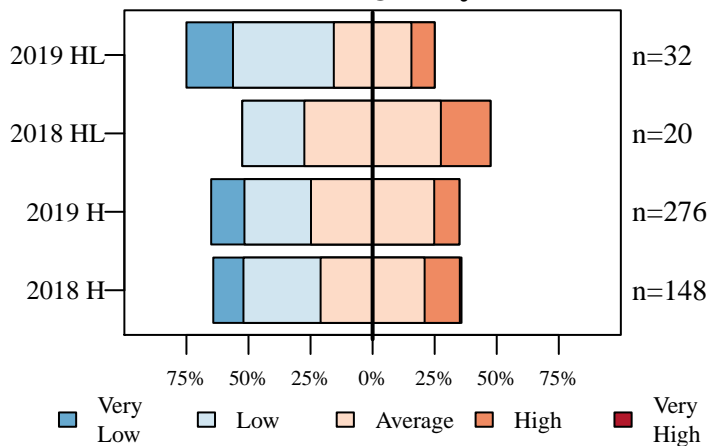


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

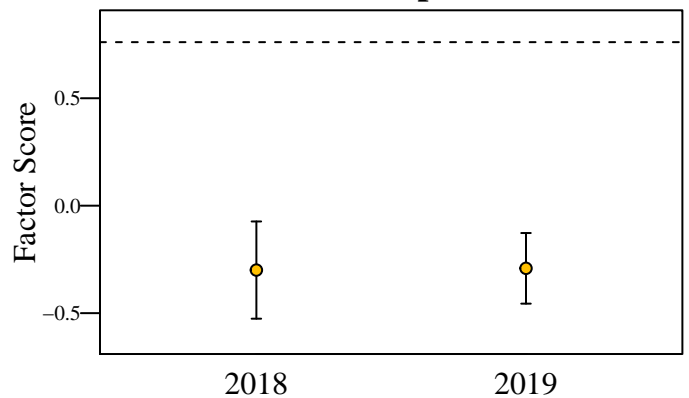


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Rush County

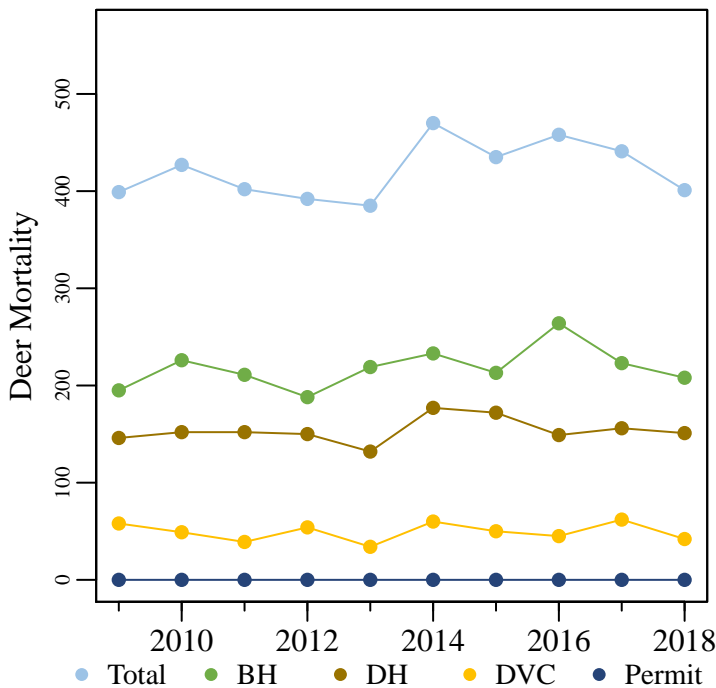
6/26/2019

Total Square Miles: 408  
 Square Miles of Deer Habitat: 42  
 Percent Deer Habitat: 10

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	377		219		5.21	158		3.76	41.91		65		1
2006	288		171		4.07	117		2.79	40.62		76		1
2007	333		191		4.55	142		3.38	42.64		55		1
2008	306		184		4.38	122		2.90	39.87		37		1
2009	341		195		4.64	146		3.48	42.82		58		1
2010	378	1.43	226	1.93	5.38	152	0.88	3.62	40.21		49	-0.64	1
2011	363	0.98	211	0.86	5.02	152	1.05	3.62	41.87		39	-1.12	1
2012	338	-0.22	188	-0.79	4.48	150	0.58	3.57	44.38		54	0.68	1
2013	351	0.21	219	1.04	5.21	132	-0.97	3.14	37.61		34	-1.46	1
2014	410	3.38	233	1.58	5.55	177	3.64	4.21	43.17		60	1.31	1
2015	385	0.61	213	-0.14	5.07	172	1.21	4.10	44.68		50	0.26	1
2016	413	1.53	264	3.14	6.29	149	-0.42	3.55	36.08	0	45	-0.22	1
2017	379	-0.01	223	-0.01	5.31	156	0.00	3.71	41.16	0	62	1.56	2
2018	359	-1.13	208	-1.11	4.95	151	-0.34	3.60	42.06	0	42	-0.68	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions



Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Rush County

6/26/2019

Total Square Miles: 408  
 Square Miles of Deer Habitat: 42  
 Percent Deer Habitat: 10

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	333	158	175	0	0	139	178	16	0	0	0	0	0	0	0	0
2016	352	128	224	0	0	177	161	14	0	0	0	0	0	0	0	0
2017	308	148	159	1	0	123	154	29	2	0	0	0	0	0	0	0
2018	306	131	175	0	0	139	152	13	2	0	0	0	0	0	0	0

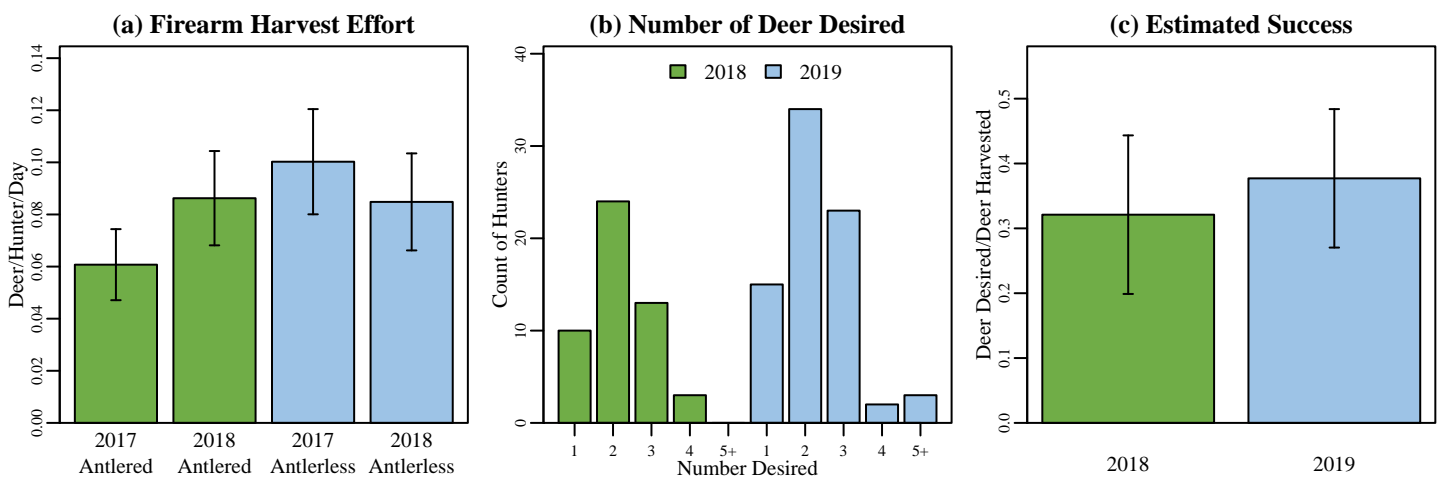
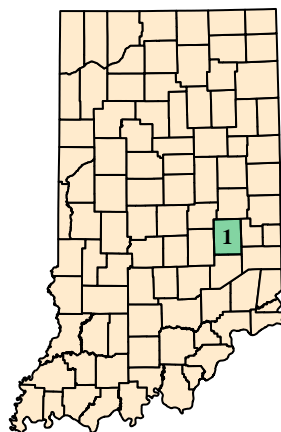


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Rush County Map



## (b) Deer Habitat in Rush County

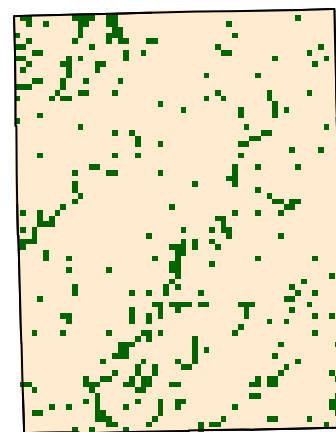


Figure 3. (a) Rush County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Rush County.

# Rush County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

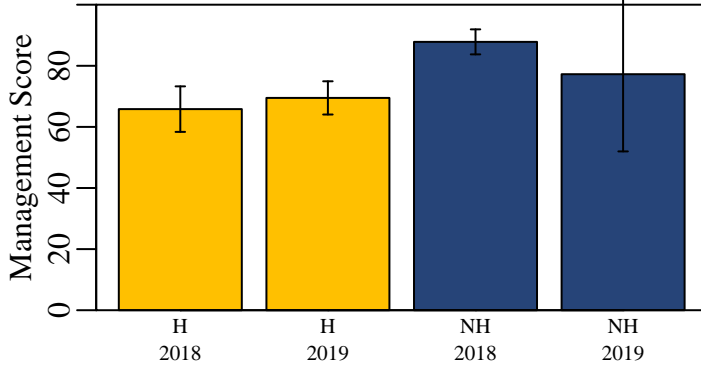


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

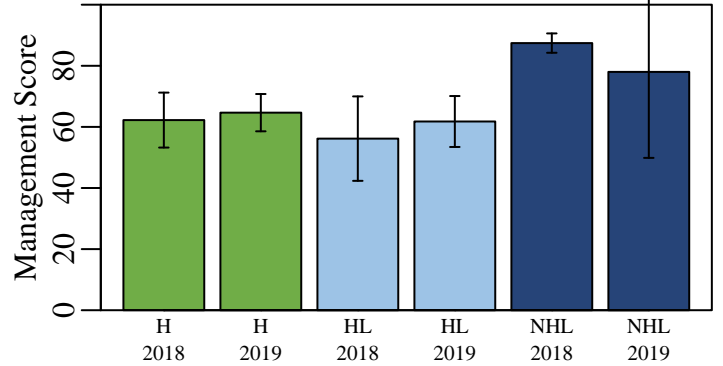


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

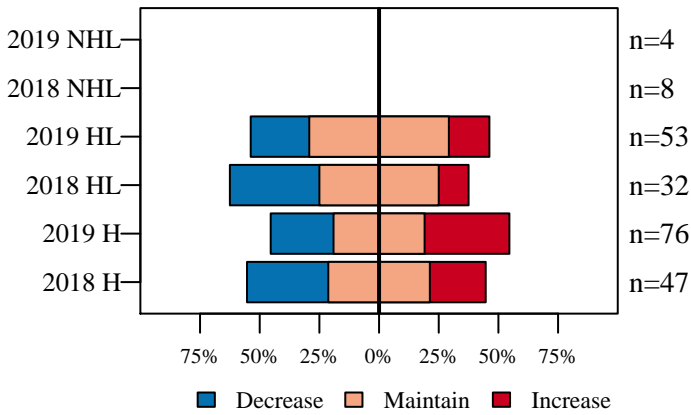


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

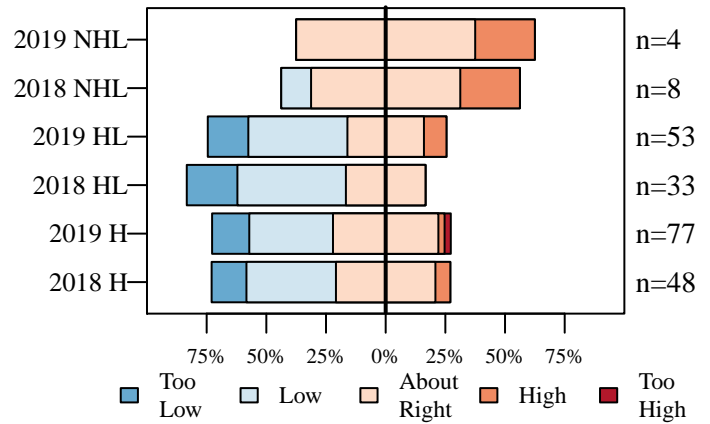


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

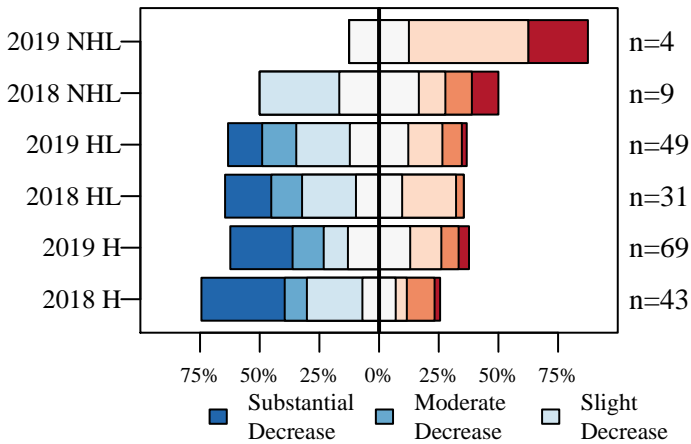


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

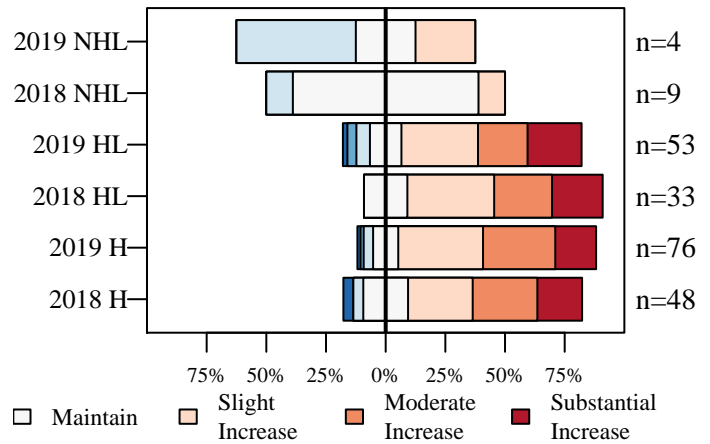


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Rush County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

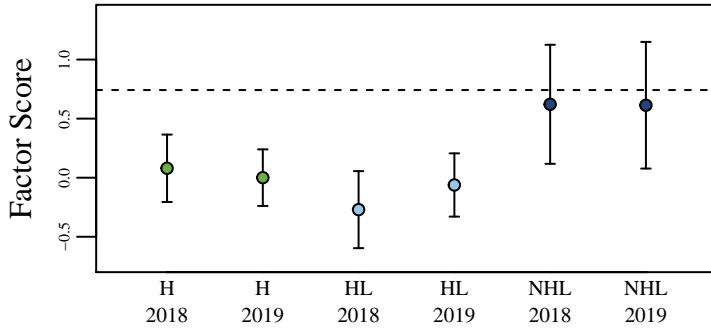


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

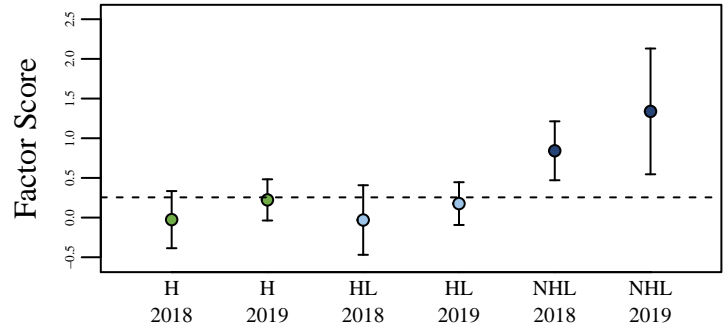


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

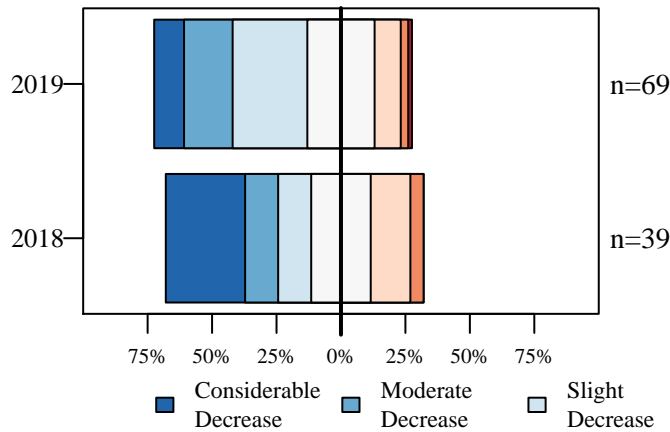


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

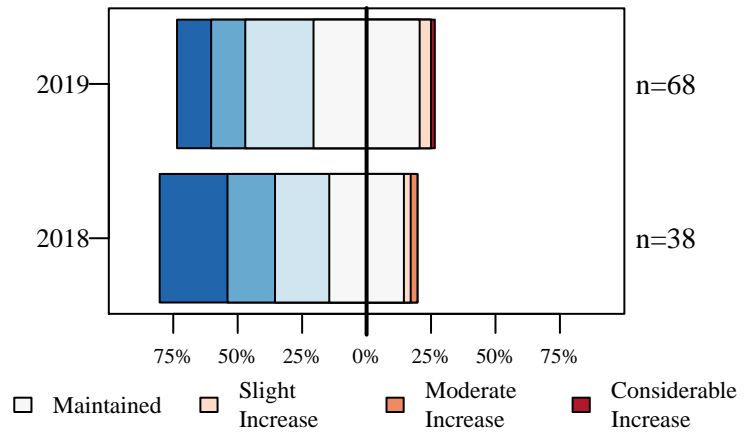


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

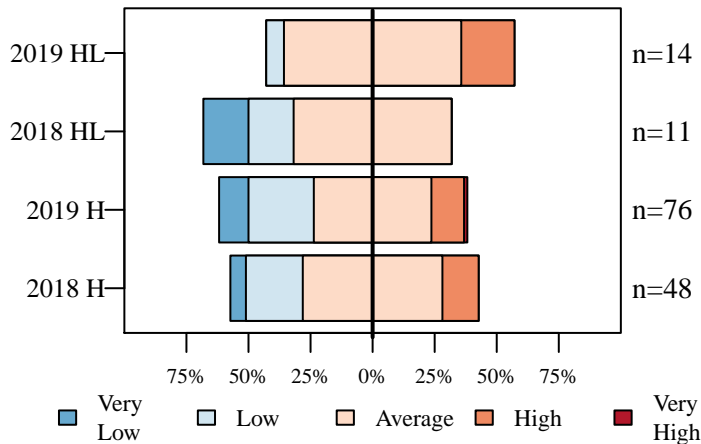


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

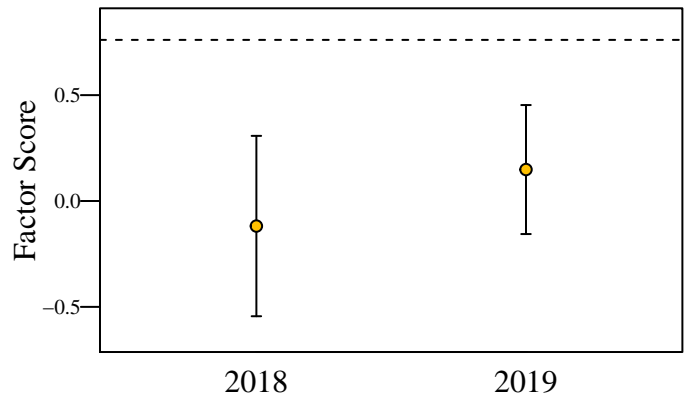


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Saint Joseph County

6/26/2019

Total Square Miles: 457  
 Square Miles of Deer Habitat: 96  
 Percent Deer Habitat: 21

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,160		661		6.89	499		5.20	43.02		284		2
2006	1,114		616		6.42	498		5.19	44.70		243		3
2007	1,347		715		7.45	632		6.58	46.92		310		3
2008	1,428		754		7.85	674		7.02	47.20		306		4
2009	1,768		832		8.67	936		9.75	52.94		279		8
2010	1,767	1.55	881	1.98	9.18	886	1.33	9.23	50.14		285	0.02	8
2011	1,503	0.06	741	-0.18	7.72	762	0.20	7.94	50.70		249	-1.33	8
2012	1,413	-0.77	669	-1.67	6.97	744	-0.26	7.75	52.65		256	-1.22	8
2013	1,406	-0.95	655	-1.46	6.82	751	-0.46	7.82	53.41		296	0.91	8
2014	1,291	-1.53	586	-1.71	6.10	705	-1.25	7.34	54.61		283	0.50	4
2015	1,194	-1.57	607	-0.89	6.32	587	-2.66	6.11	49.16		349	3.72	4
2016	1,045	-2.63	572	-1.32	5.96	473	-3.29	4.93	45.26	0	287	0.01	4
2017	1,168	-0.66	557	-1.43	5.80	611	-0.34	6.36	52.31	17	331	1.24	4
2018	1,200	-0.15	590	-0.14	6.15	610	-0.14	6.35	50.83	20	320	0.74	3

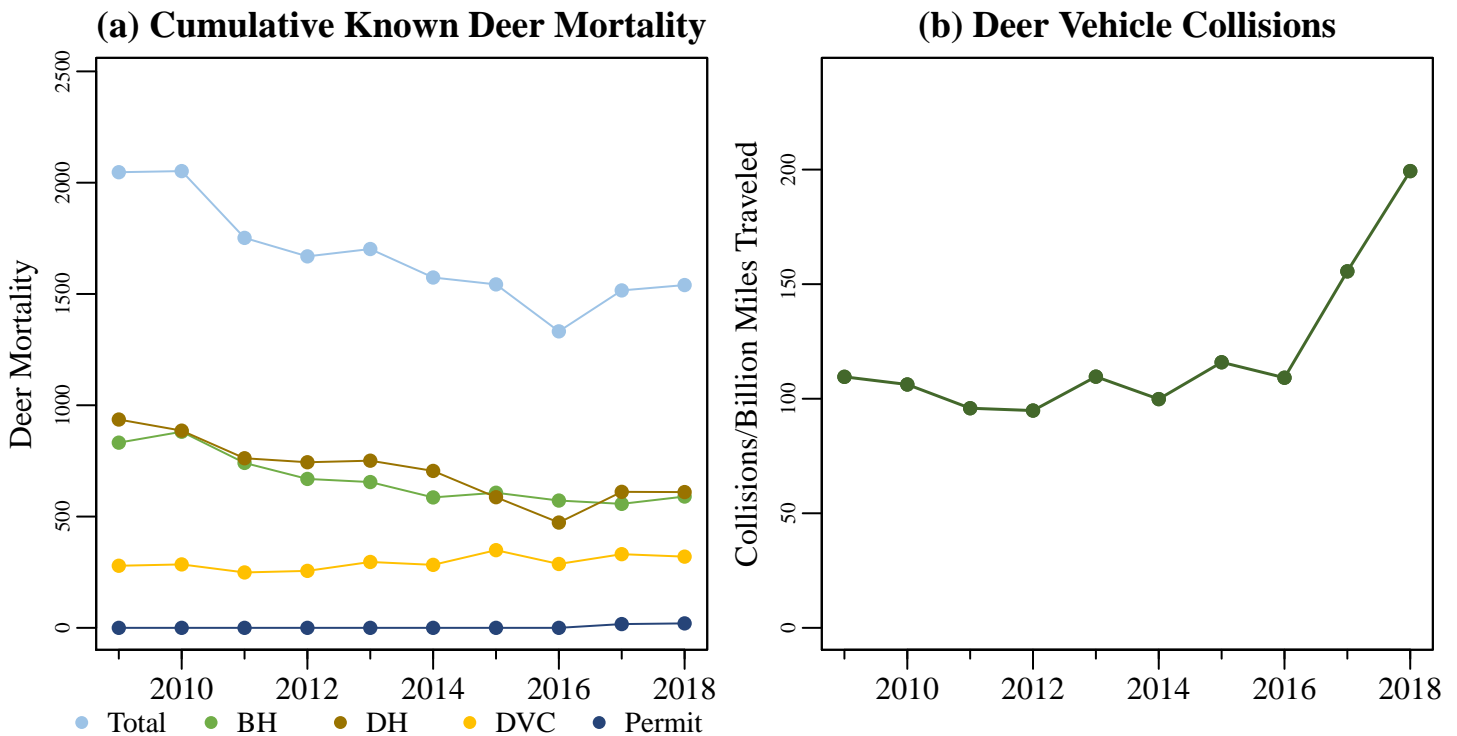


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Saint Joseph County

6/26/2019

Total Square Miles: 457  
 Square Miles of Deer Habitat: 96  
 Percent Deer Habitat: 21

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	914	437	472	5	0	366	421	101	18	5	3	0	0	0	0	0
2016	805	368	436	1	0	325	385	67	26	1	0	1	0	0	0	0
2017	862	453	405	4	0	292	435	101	20	13	0	1	0	0	0	0
2018	877	439	431	7	0	324	401	119	24	6	2	0	0	0	0	1

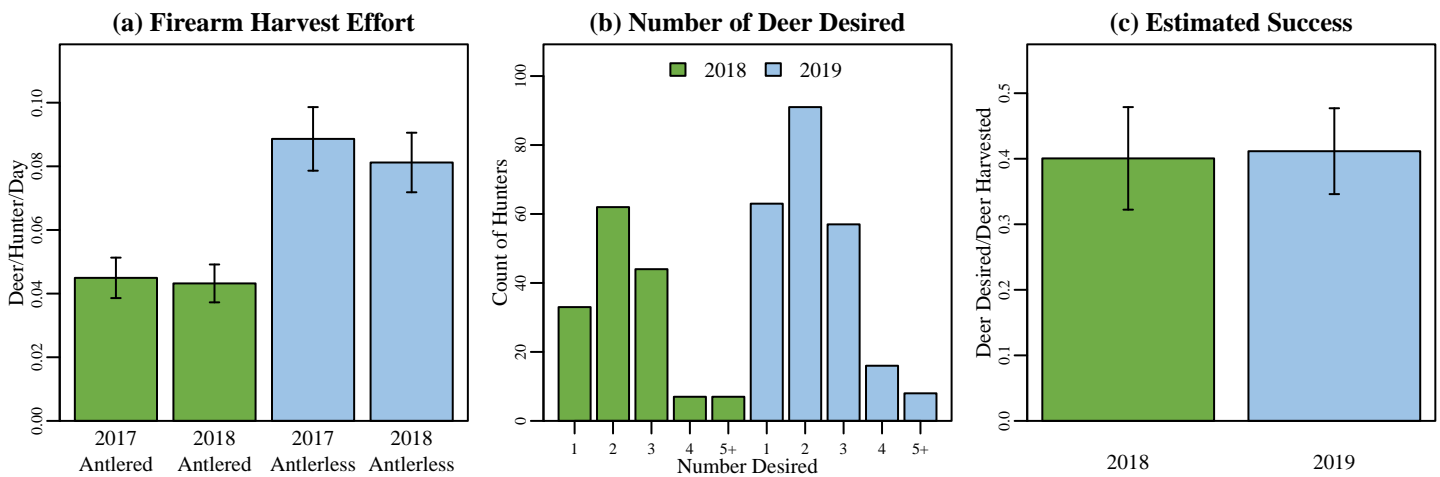
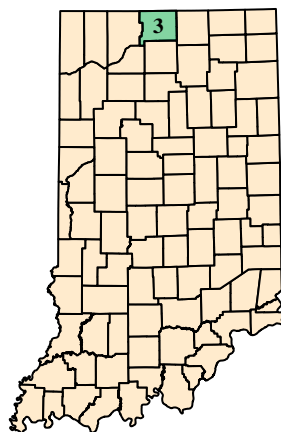


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Saint Joseph County Map



## (b) Deer Habitat in Saint Joseph County

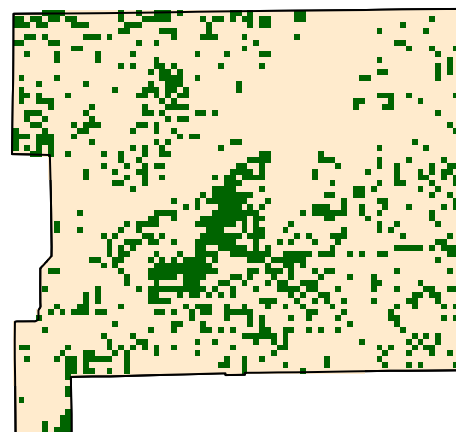


Figure 3. (a) Saint Joseph County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Saint Joseph County.

# Saint Joseph County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

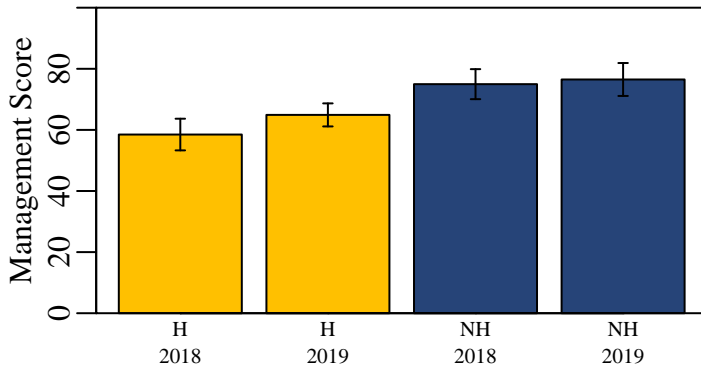


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

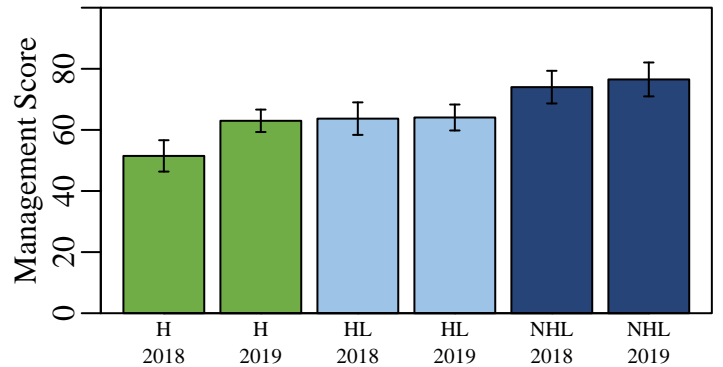


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

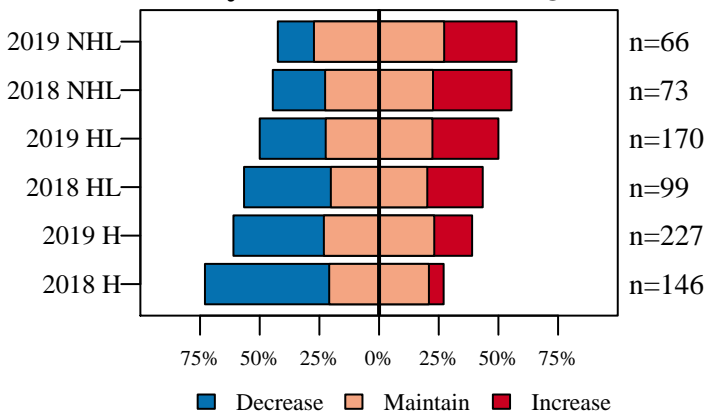


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

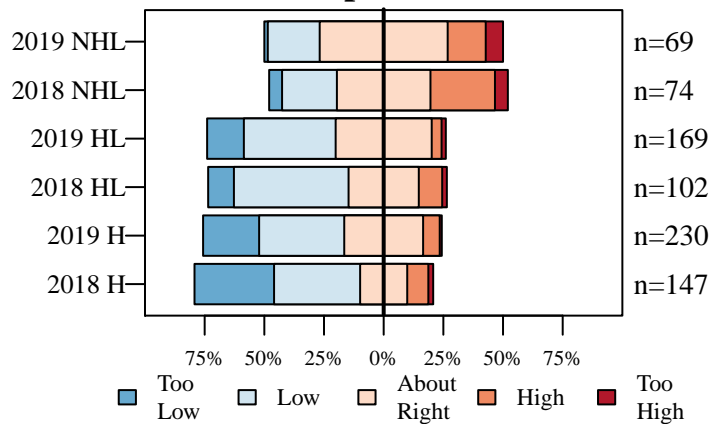


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

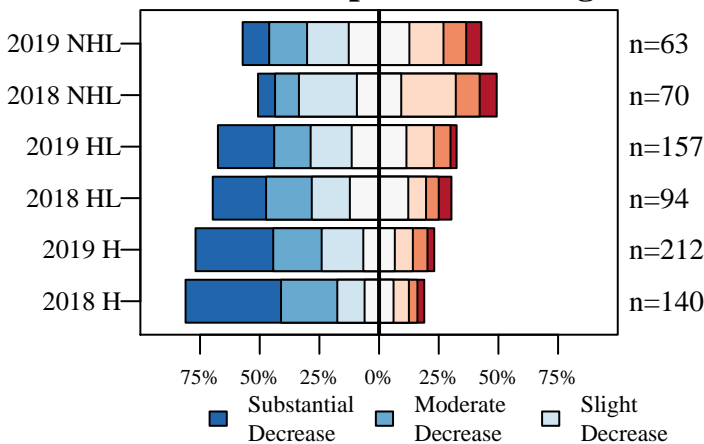


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

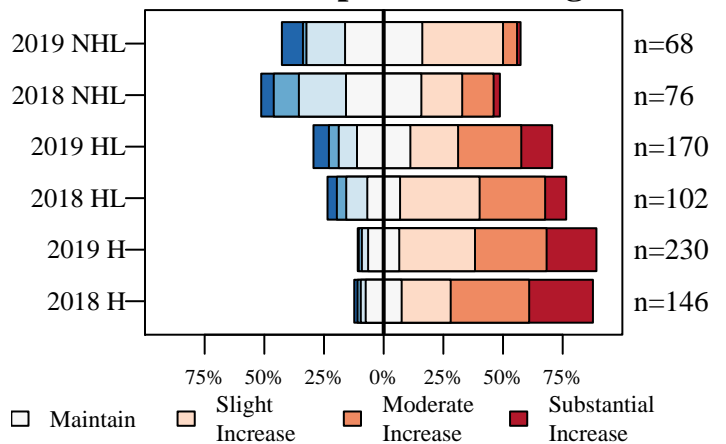


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Saint Joseph County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

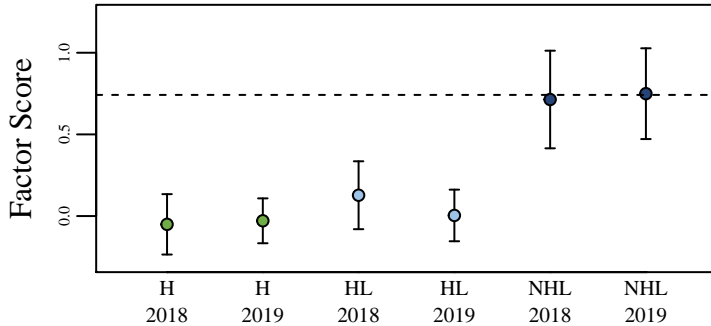


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

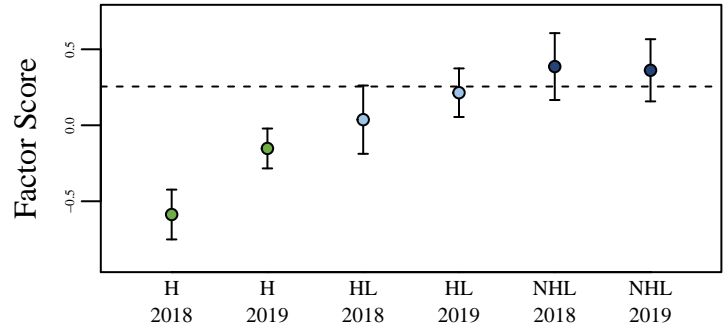


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

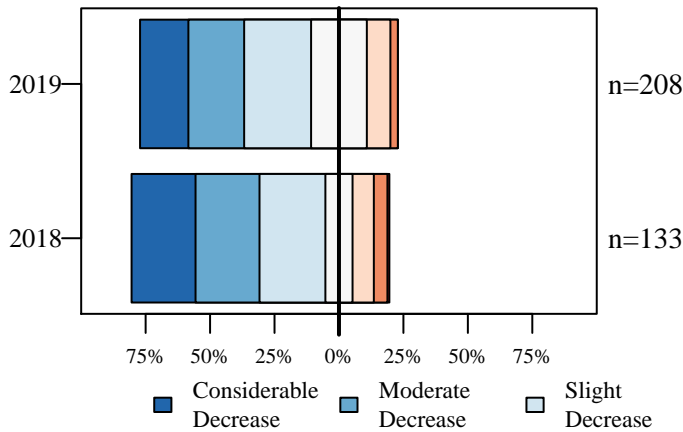


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

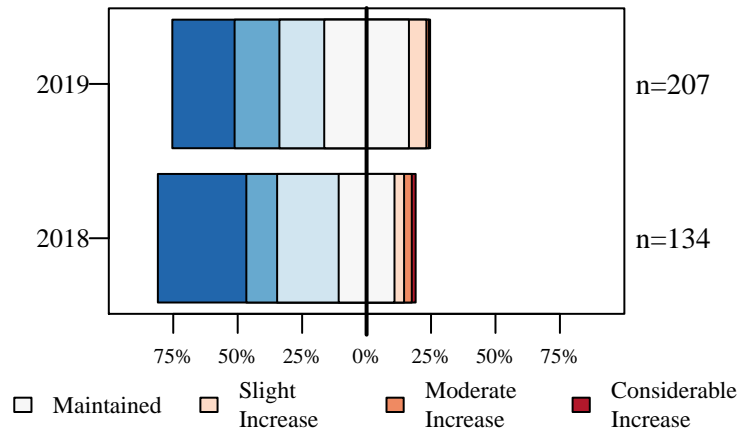


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

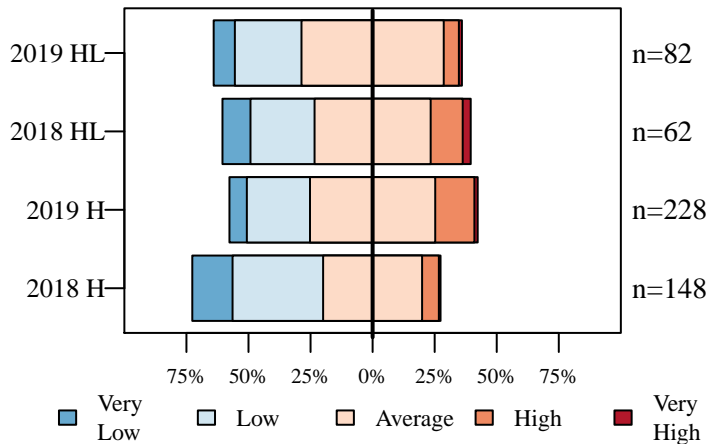


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

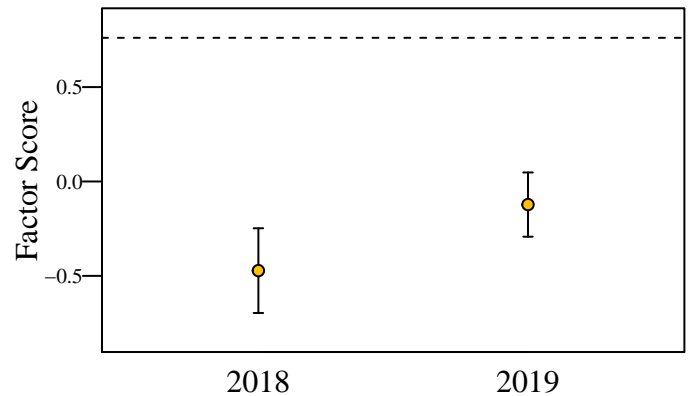


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Scott County

6/26/2019

Total Square Miles: 412  
 Square Miles of Deer Habitat: 124  
 Percent Deer Habitat: 64

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,018		524		4.23	494		3.98	48.53		38		8
2006	1,071		499		4.02	572		4.61	53.41		26		8
2007	826		427		3.44	399		3.22	48.31		26		8
2008	971		496		4.00	475		3.83	48.92		20		8
2009	937		461		3.72	476		3.84	50.80		31		8
2010	967	0.03	456	-0.67	3.68	511	0.45	4.12	52.84		33	0.71	8
2011	921	-0.38	463	-0.16	3.73	458	-0.45	3.69	49.73		42	2.92	8
2012	1,069	2.46	483	0.91	3.90	586	2.98	4.73	54.82		24	-0.78	8
2013	1,158	3.21	564	5.43	4.55	594	1.81	4.79	51.30		60	3.52	4
2014	991	-0.19	443	-0.94	3.57	548	0.37	4.42	55.30		58	1.44	4
2015	1,126	1.12	578	2.00	4.66	548	0.15	4.42	48.67		81	2.41	4
2016	956	-1.00	483	-0.38	3.90	473	-1.37	3.81	49.48	25	75	1.03	4
2017	939	-1.41	438	-1.24	3.53	501	-1.02	4.04	53.35	14	95	1.82	4
2018	826	-2.06	425	-1.15	3.43	401	-2.81	3.23	48.55	8	64	0.08	4

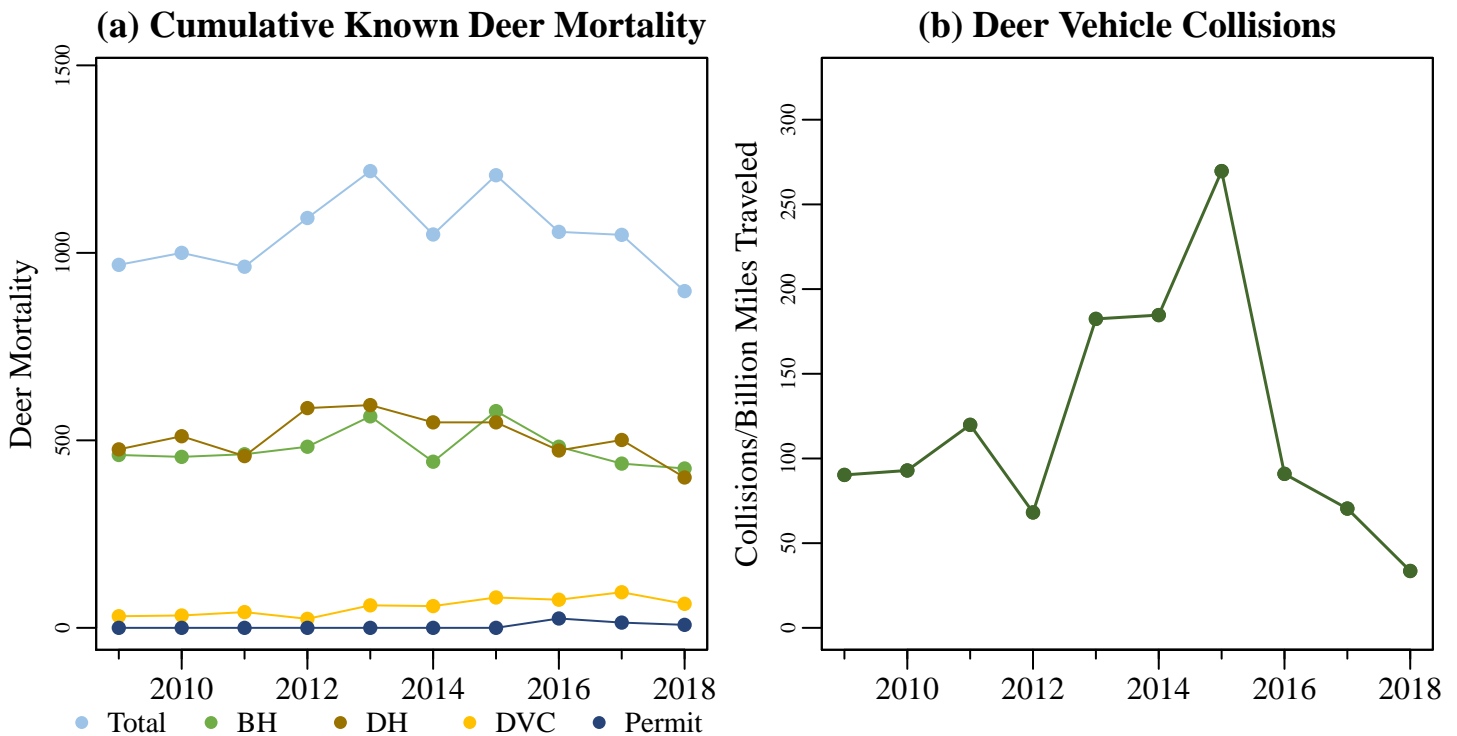


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Scott County

6/26/2019

Total Square Miles: 412  
 Square Miles of Deer Habitat: 124  
 Percent Deer Habitat: 64

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	834	399	433	2	0	320	386	89	31	8	0	0	0	0	0	0
2016	728	337	390	1	0	281	347	84	15	1	0	0	0	0	0	0
2017	723	367	354	2	0	273	336	99	13	2	0	0	0	0	0	0
2018	643	297	344	2	0	268	292	70	6	7	0	0	0	0	0	0

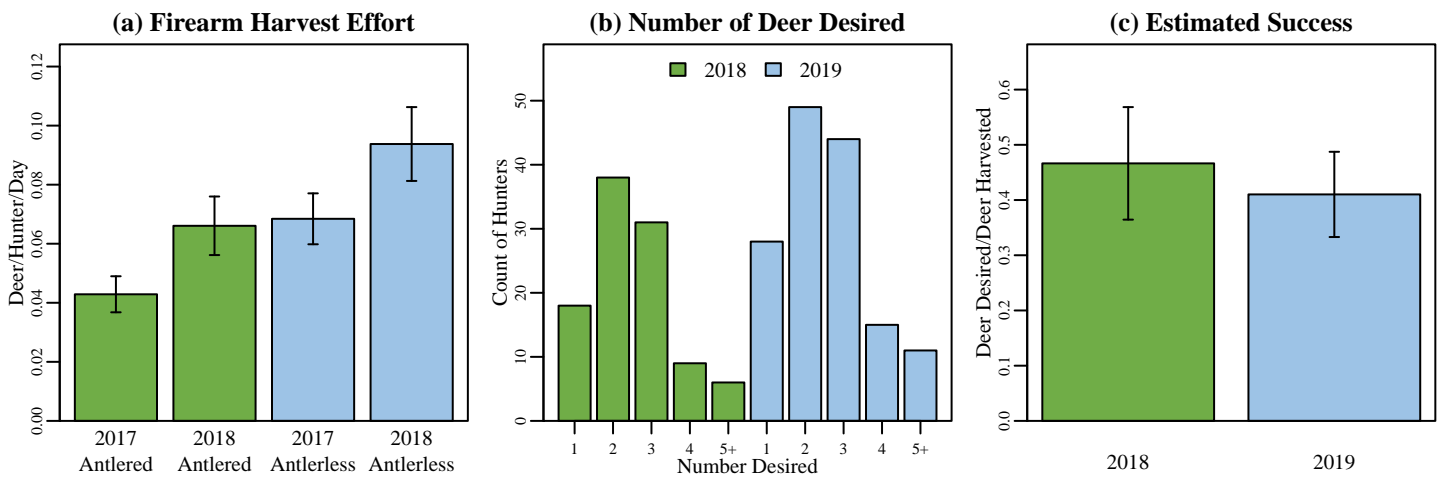


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Scott County Map



## (b) Deer Habitat in Scott County

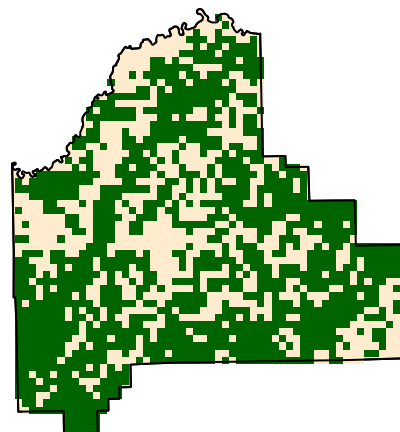


Figure 3. (a) Scott County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Scott County.

# Scott County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

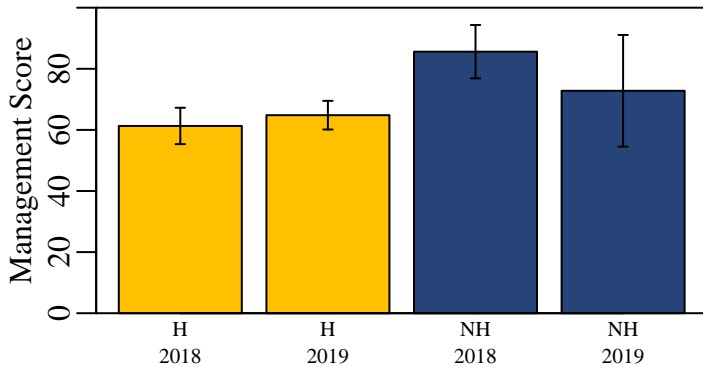


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

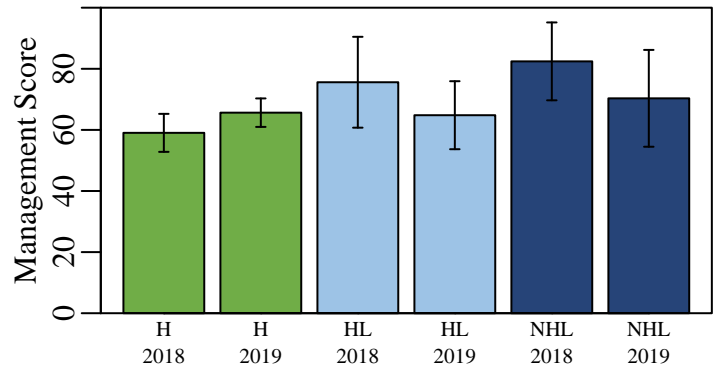


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

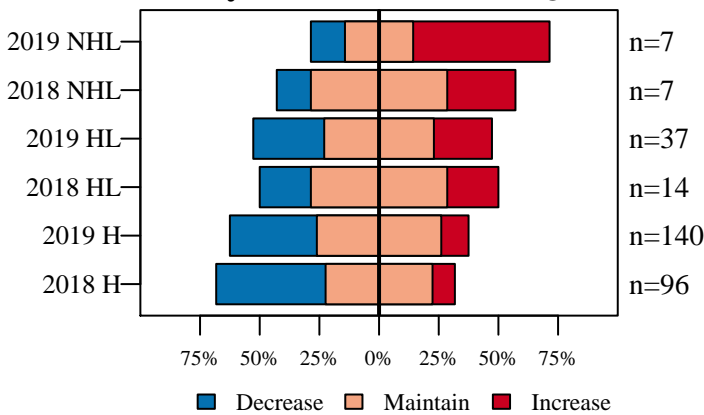


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

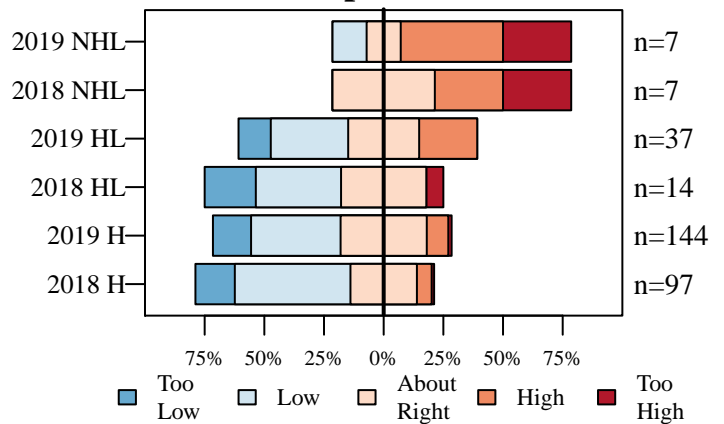


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

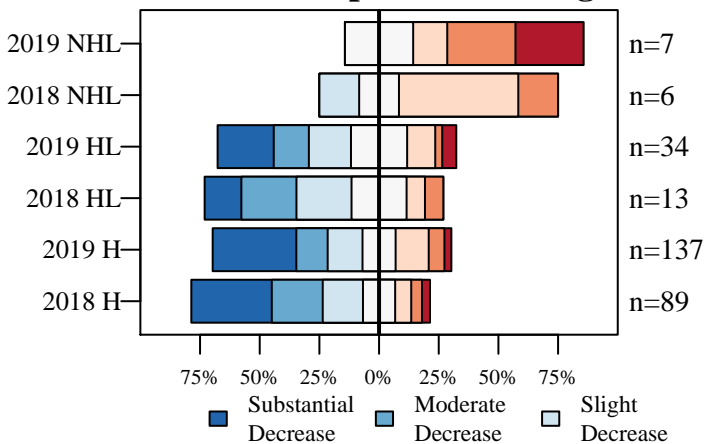


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

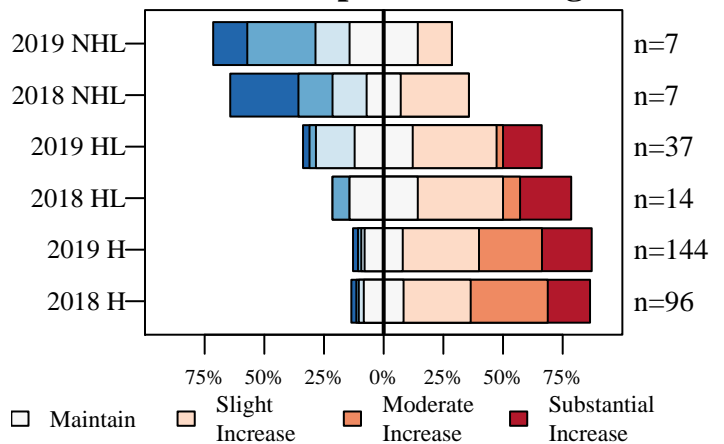


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Scott County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

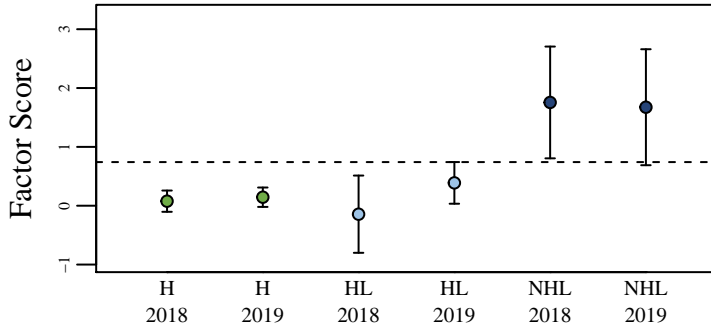


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

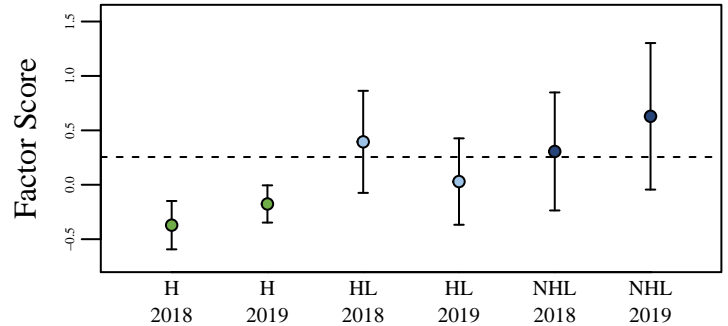


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

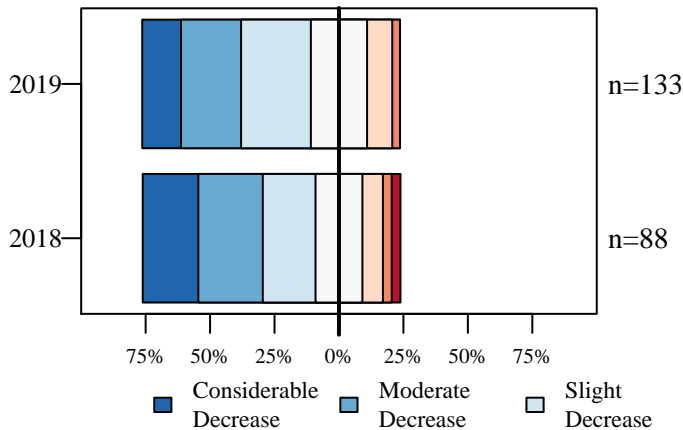


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

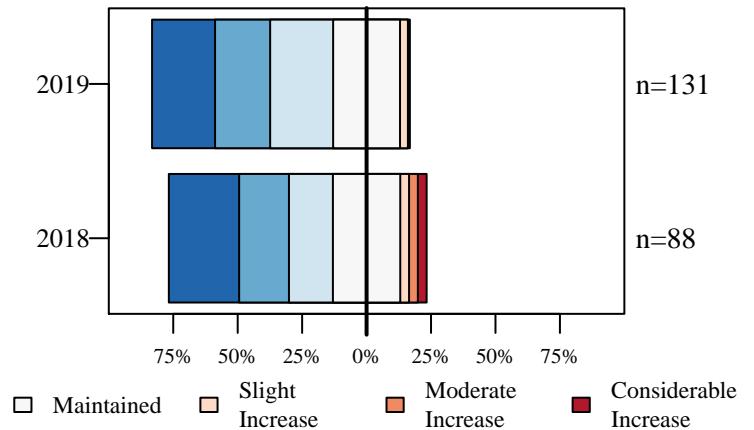


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

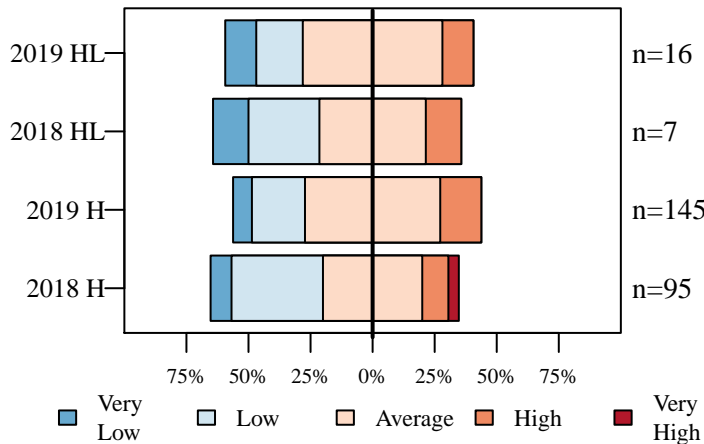


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

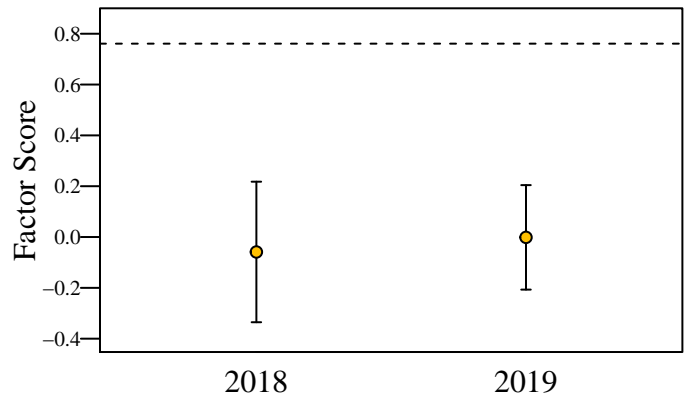


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Shelby County

6/26/2019

Total Square Miles: 401  
 Square Miles of Deer Habitat: 47  
 Percent Deer Habitat: 11

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	311		176		3.74	135		2.87	43.41		77		2
2006	339		190		4.04	149		3.17	43.95		91		2
2007	371		210		4.47	161		3.43	43.40		92		2
2008	372		200		4.26	172		3.66	46.24		86		3
2009	340		183		3.89	157		3.34	46.18		78		3
2010	380	1.31	201	0.68	4.28	179	1.75	3.81	47.11		76	-1.25	3
2011	396	1.84	207	0.97	4.40	189	2.13	4.02	47.73		86	0.19	3
2012	434	3.05	225	2.37	4.79	209	2.86	4.45	48.16		87	0.52	3
2013	451	1.93	250	3.10	5.32	201	1.02	4.28	44.57		77	-1.08	3
2014	491	2.06	258	1.76	5.49	233	2.27	4.96	47.45		88	1.37	3
2015	457	0.60	251	0.90	5.34	206	0.18	4.38	45.08		101	3.14	3
2016	452	0.18	269	1.43	5.72	183	-1.53	3.89	40.49	0	117	3.40	3
2017	445	-0.57	240	-0.65	5.11	205	-0.08	4.36	46.07	0	110	1.22	3
2018	437	-1.21	258	0.41	5.49	179	-1.49	3.81	40.96	0	106	0.75	2

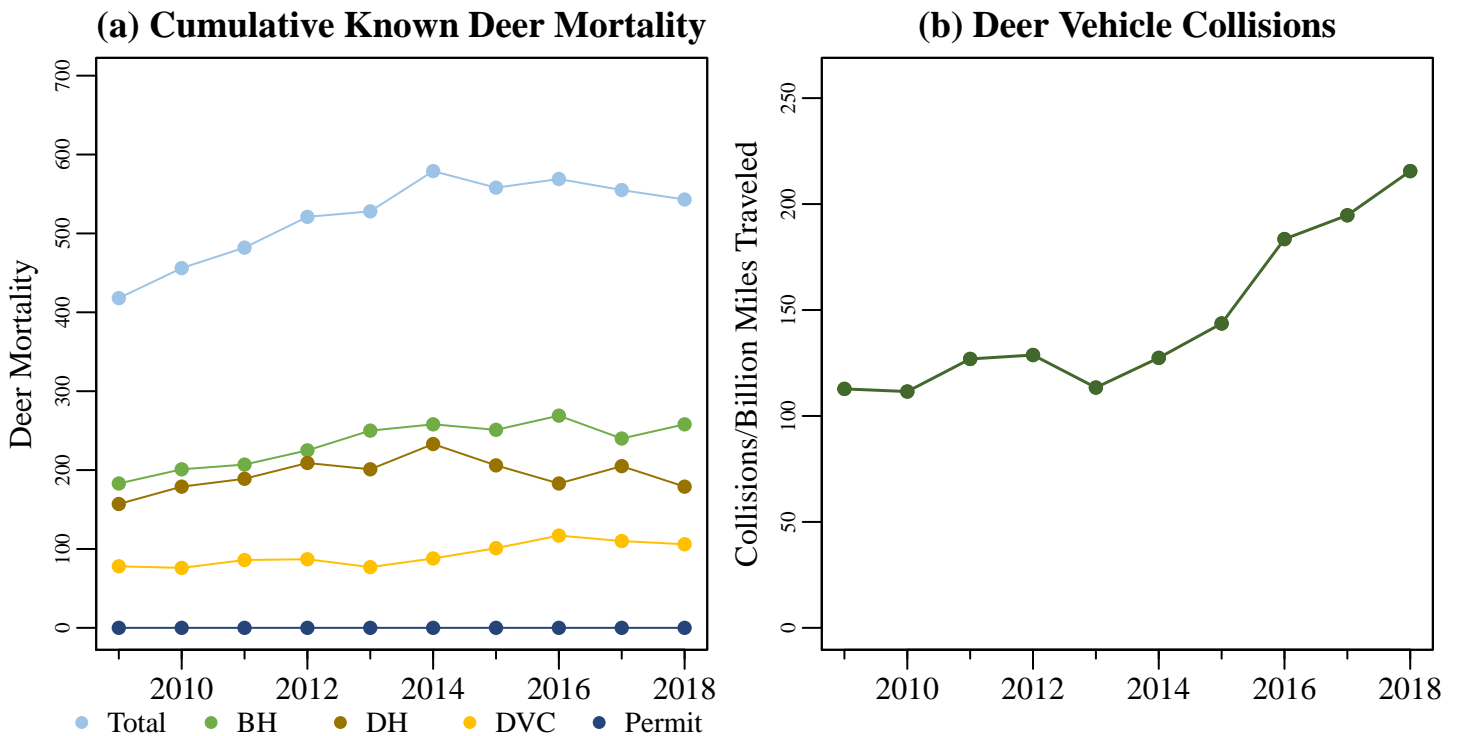


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Shelby County

6/26/2019

Total Square Miles: 401  
 Square Miles of Deer Habitat: 47  
 Percent Deer Habitat: 11

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	365	162	202	1	0	163	158	37	7	0	0	0	0	0	0	0
2016	377	163	213	1	0	178	164	32	3	0	0	0	0	0	0	0
2017	362	164	196	2	0	160	164	34	3	1	0	0	0	0	0	0
2018	371	163	208	0	0	173	168	29	1	0	0	0	0	0	0	0

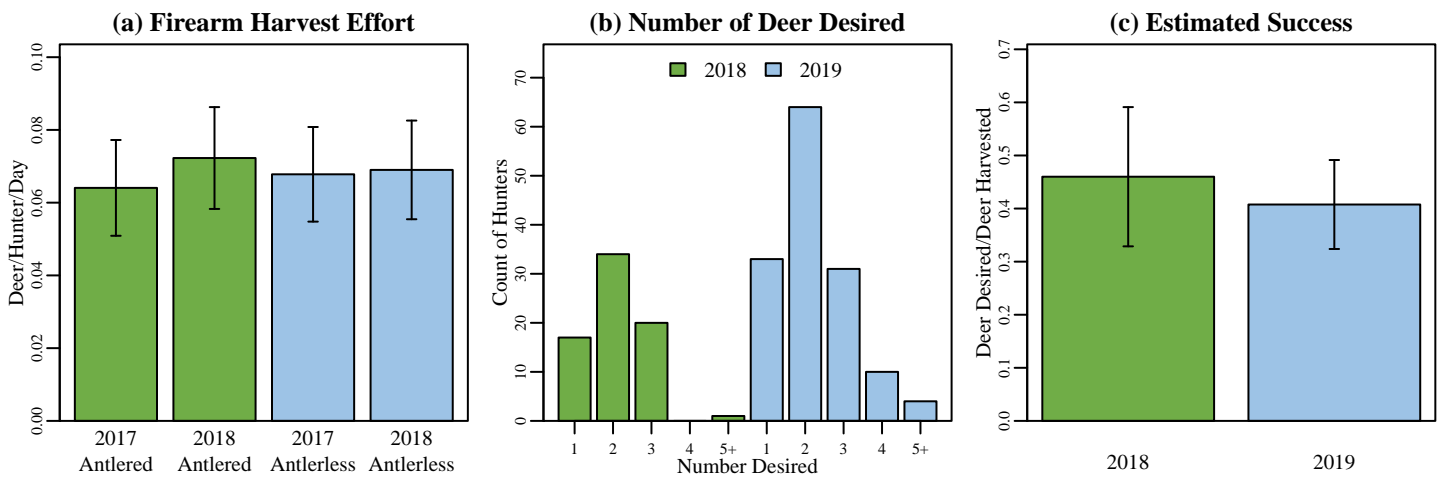


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Shelby County Map



## (b) Deer Habitat in Shelby County

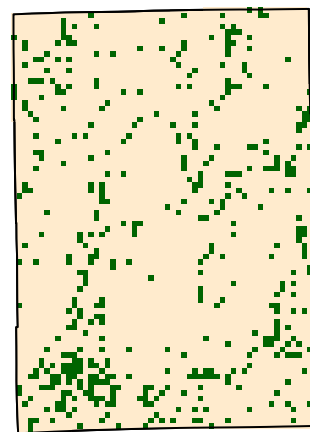


Figure 3. (a) Shelby County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Shelby County.

# Shelby County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

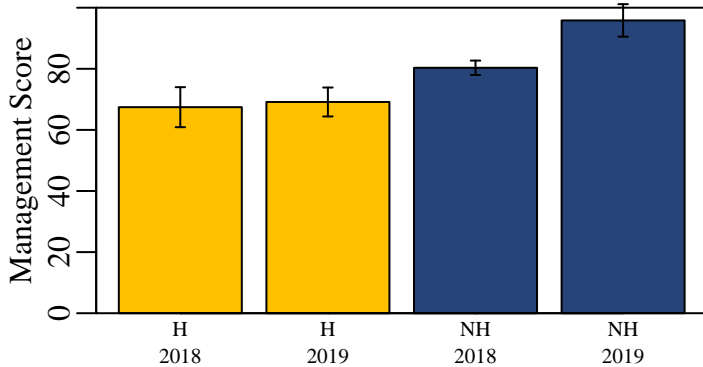


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

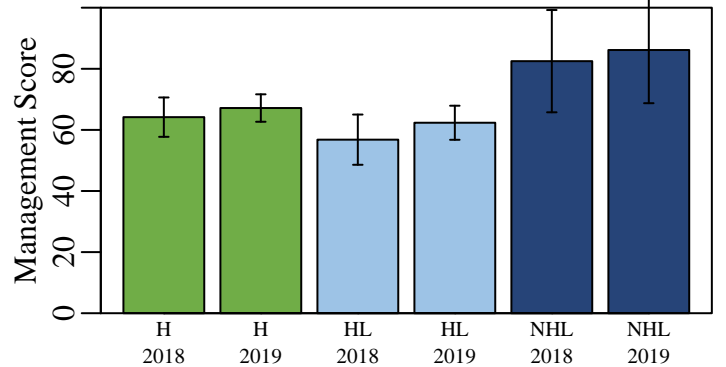


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

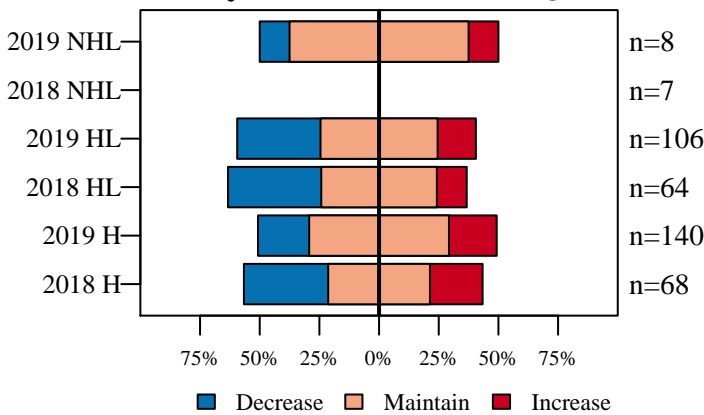


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

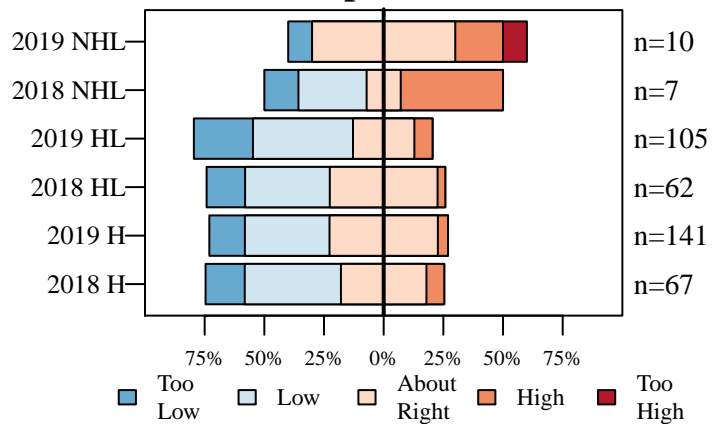


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

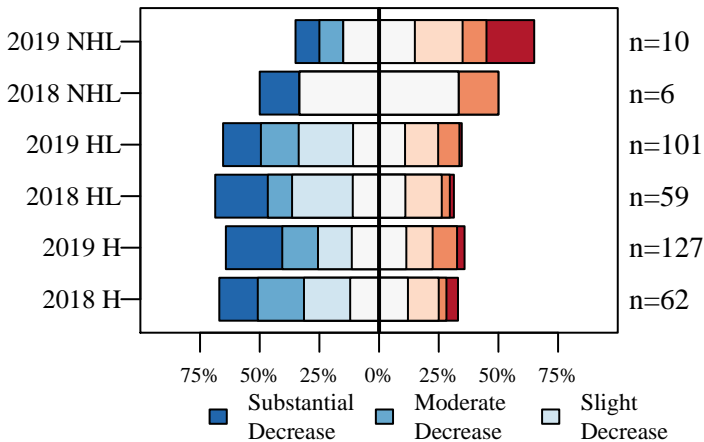


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

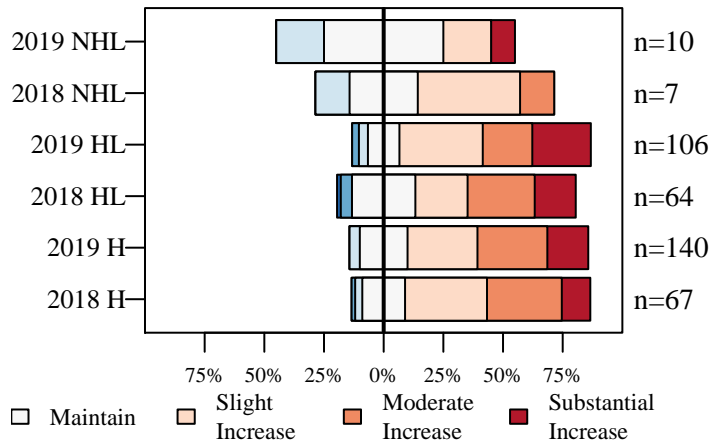


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Shelby County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

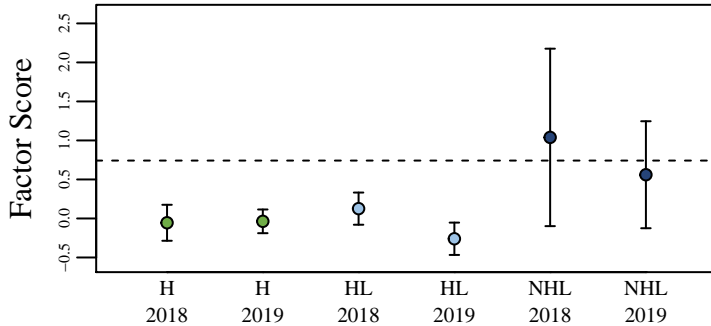


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

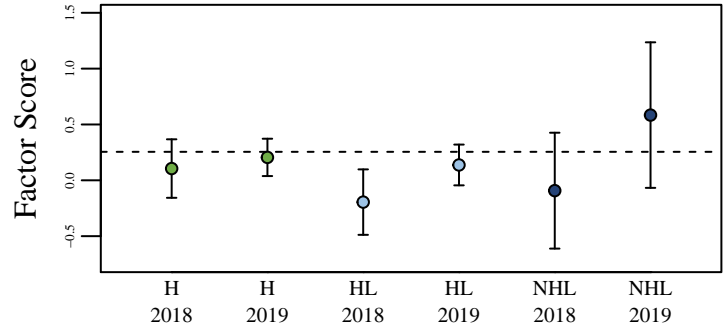


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

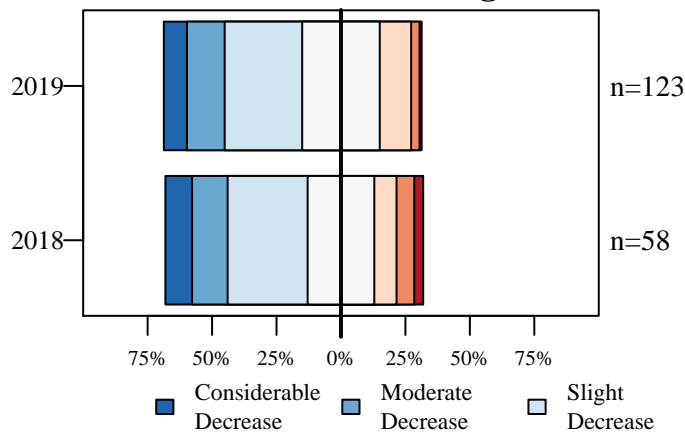


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

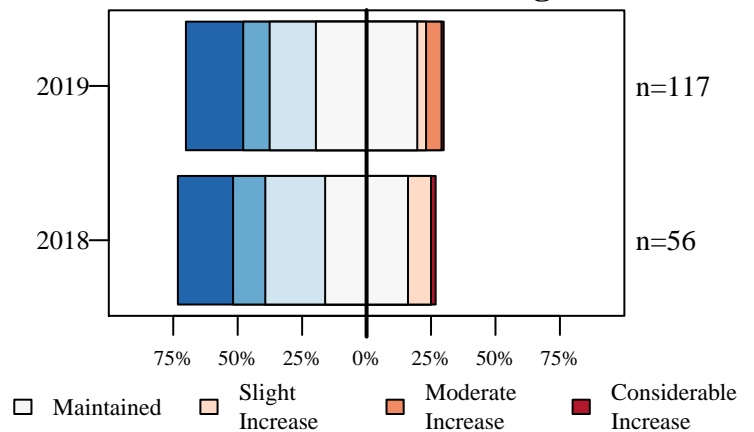


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

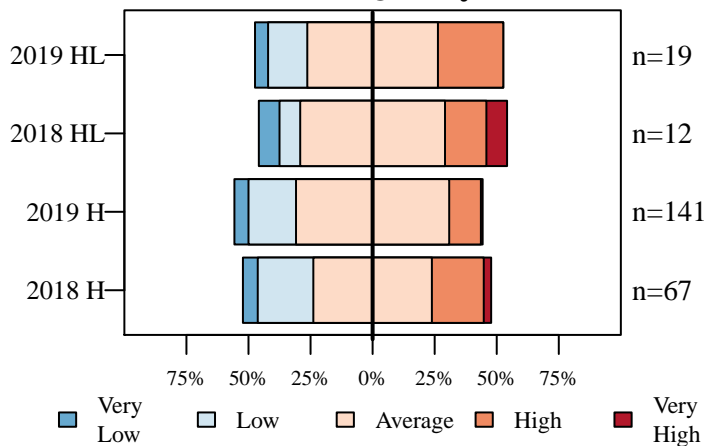


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

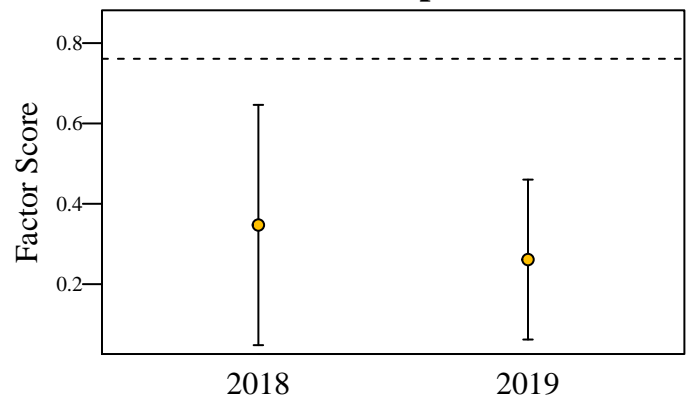


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Spencer County

6/26/2019

Total Square Miles: 461  
 Square Miles of Deer Habitat: 173  
 Percent Deer Habitat: 43

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,572		792		4.58	780		4.51	49.62		161		2
2006	1,575		812		4.69	763		4.41	48.44		169		2
2007	1,278		651		3.76	627		3.62	49.06		186		3
2008	1,423		714		4.13	709		4.10	49.82		154		3
2009	1,398		770		4.45	628		3.63	44.92		147		3
2010	1,402	-0.37	760	0.19	4.39	642	-0.82	3.71	45.79		148	-1.02	3
2011	1,336	-0.75	718	-0.38	4.15	618	-0.93	3.57	46.26		192	1.88	4
2012	1,428	1.02	659	-1.35	3.81	769	3.37	4.45	53.85		160	-0.25	4
2013	1,439	1.13	737	0.29	4.26	702	0.45	4.06	48.78		187	1.45	4
2014	1,460	1.48	736	0.16	4.25	724	0.82	4.18	49.59		190	1.08	4
2015	1,351	-1.30	672	-1.31	3.88	679	-0.20	3.92	50.26		211	1.77	4
2016	1,202	-3.61	590	-3.13	3.41	612	-1.55	3.54	50.92	20	144	-2.41	4
2017	1,247	-1.22	630	-0.80	3.64	617	-1.38	3.57	49.48	23	140	-1.67	3
2018	1,099	-2.11	583	-1.39	3.37	516	-2.99	2.98	46.95	14	169	-0.22	3

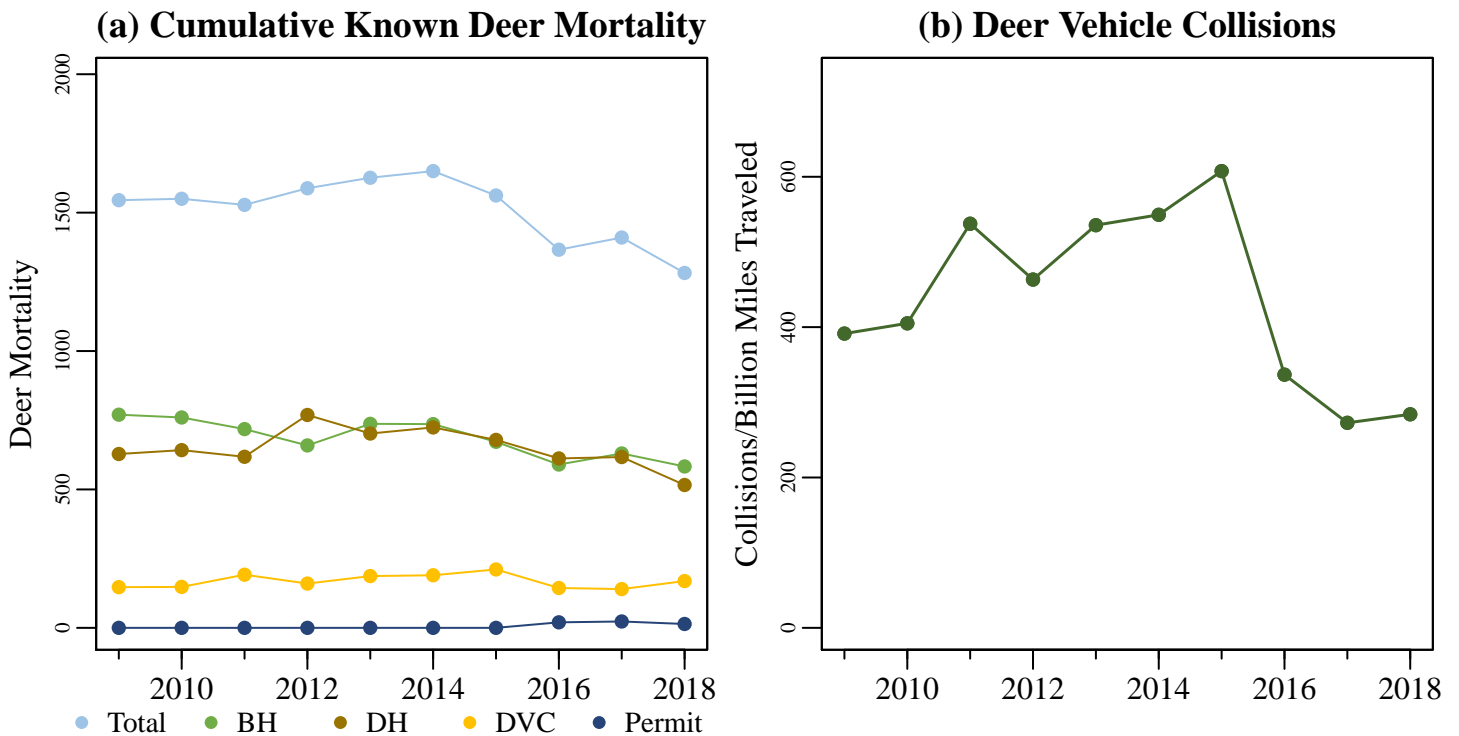


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Spencer County

6/26/2019

Total Square Miles: 461  
 Square Miles of Deer Habitat: 173  
 Percent Deer Habitat: 43

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,065	487	577	1	0	447	494	100	19	4	1	0	0	0	0	0
2016	964	446	516	2	0	409	444	96	14	1	0	0	0	0	0	0
2017	957	439	514	4	0	395	422	121	17	1	0	1	0	0	0	0
2018	871	387	481	3	0	373	395	93	9	1	0	0	0	0	0	0

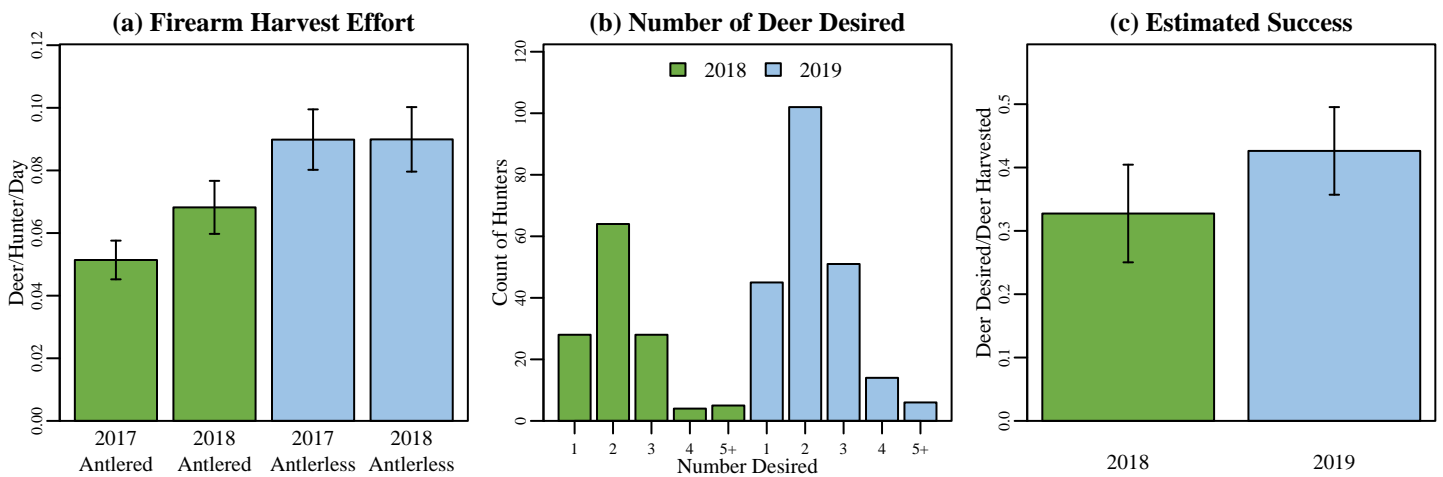
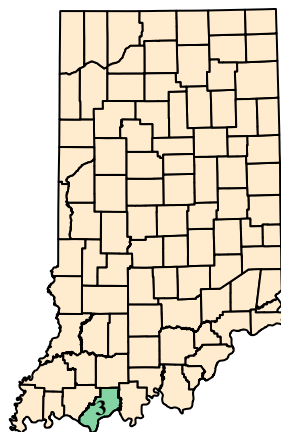


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Spencer County Map



## (b) Deer Habitat in Spencer County

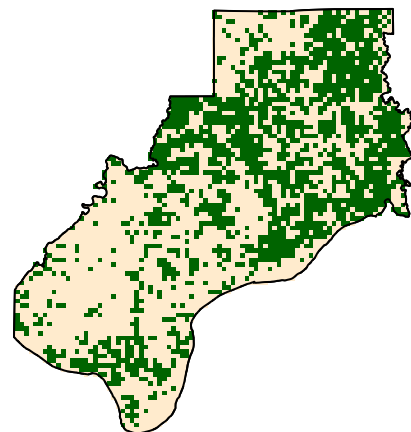


Figure 3. (a) Spencer County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Spencer County.

# Spencer County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

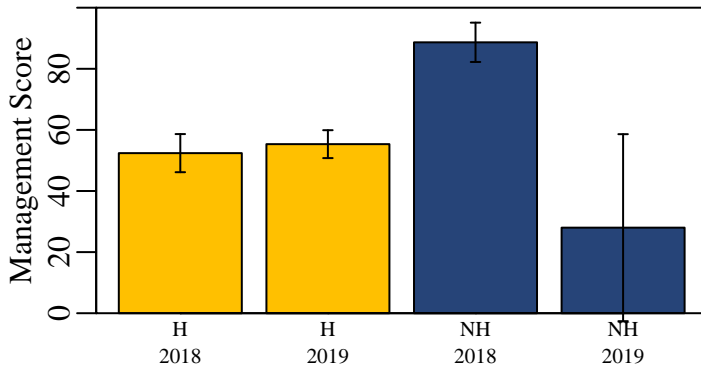


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

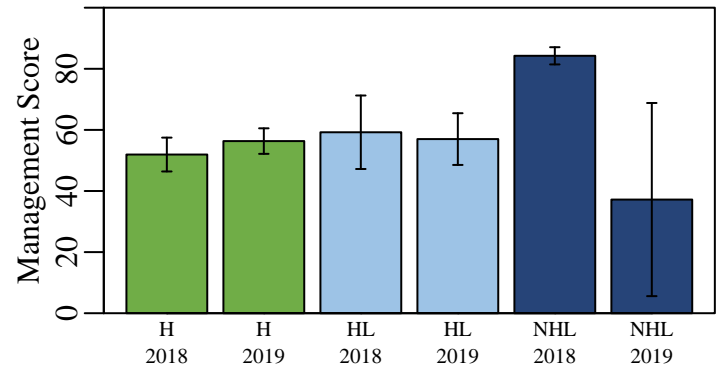


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

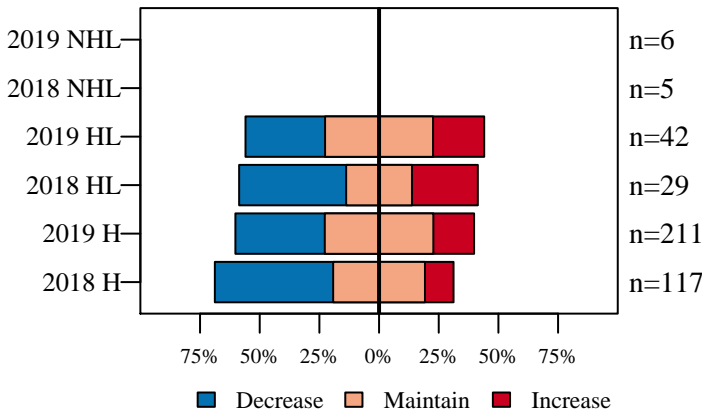


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

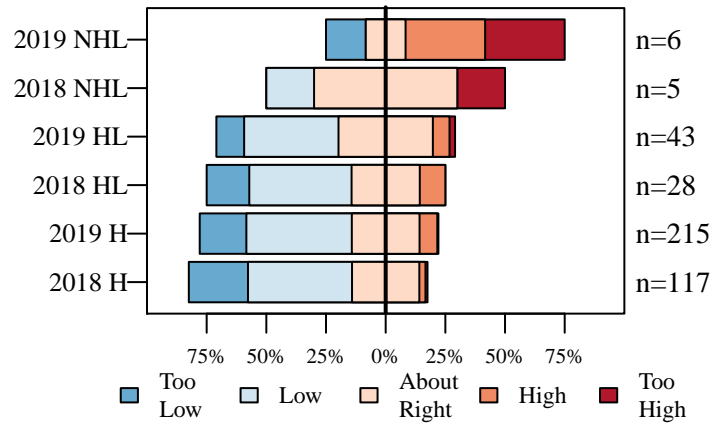


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

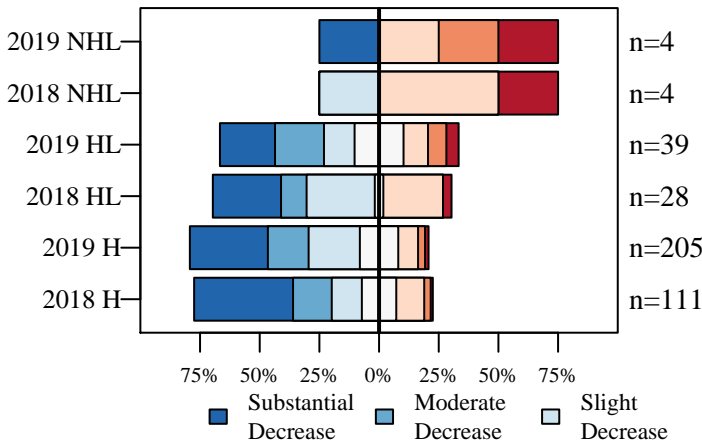


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

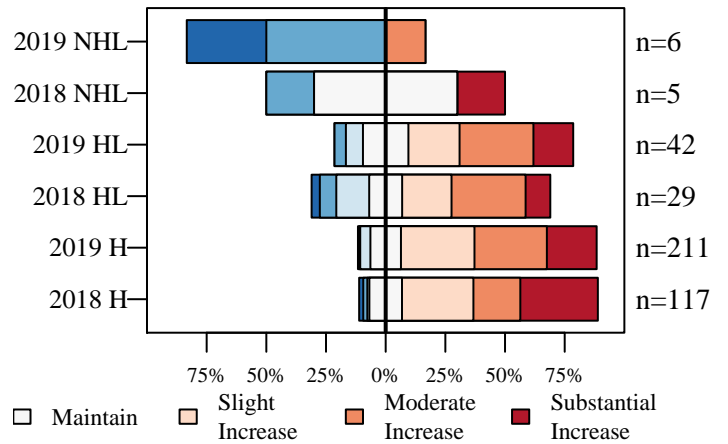


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Spencer County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

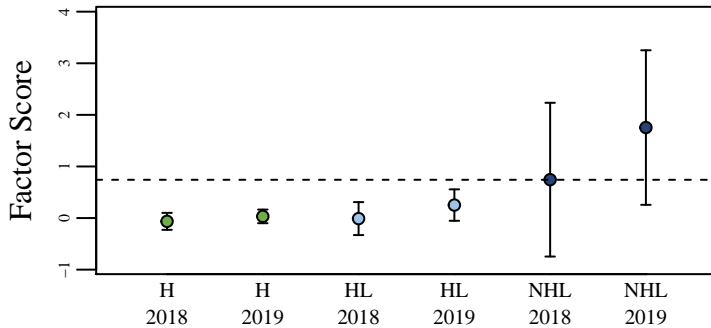


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

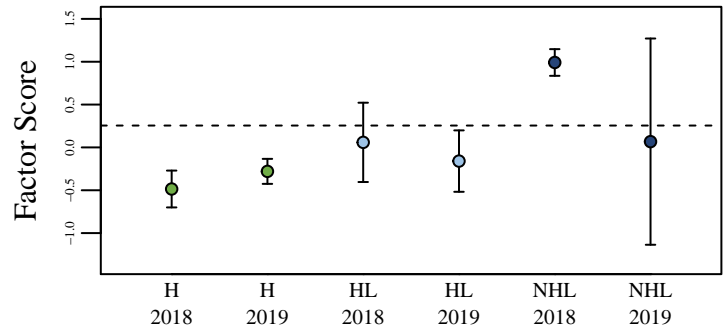


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

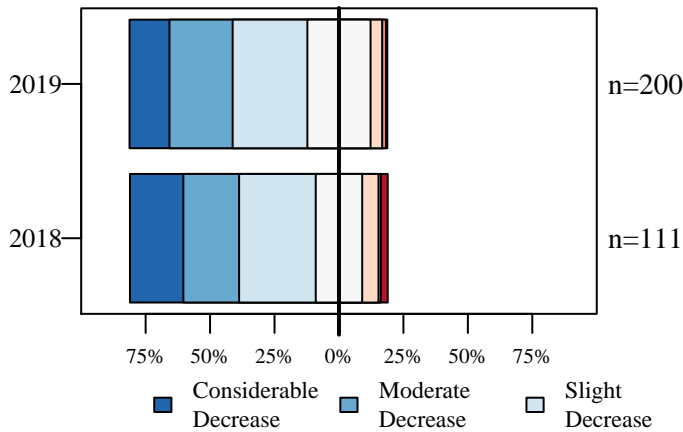


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

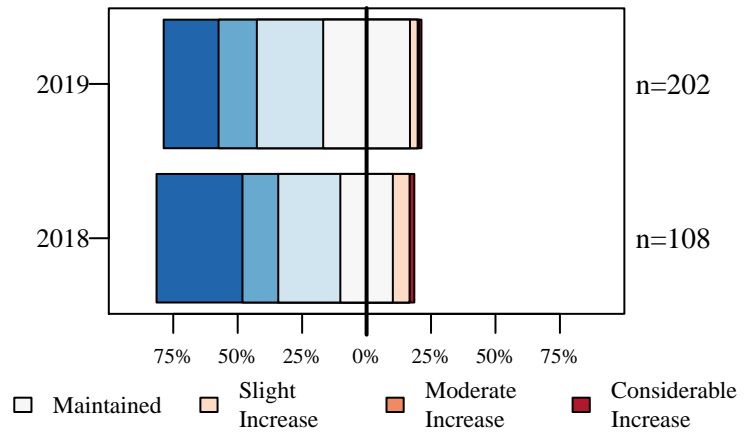


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

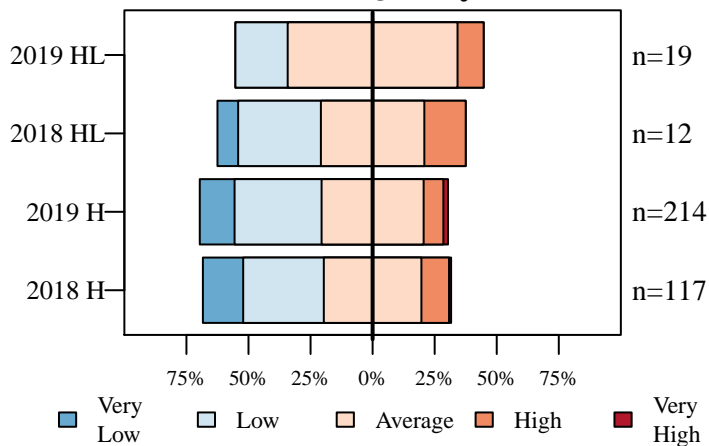


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

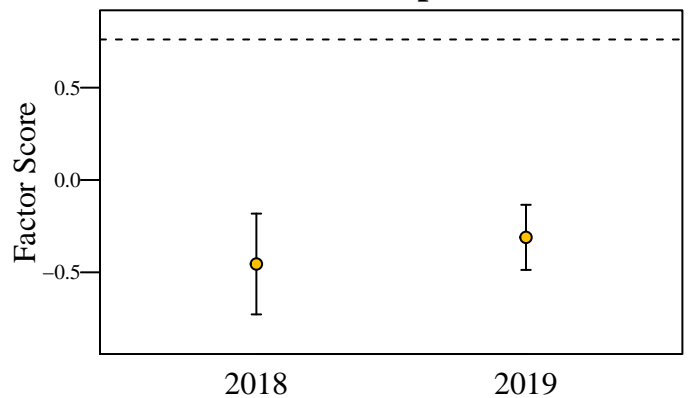


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Starke County

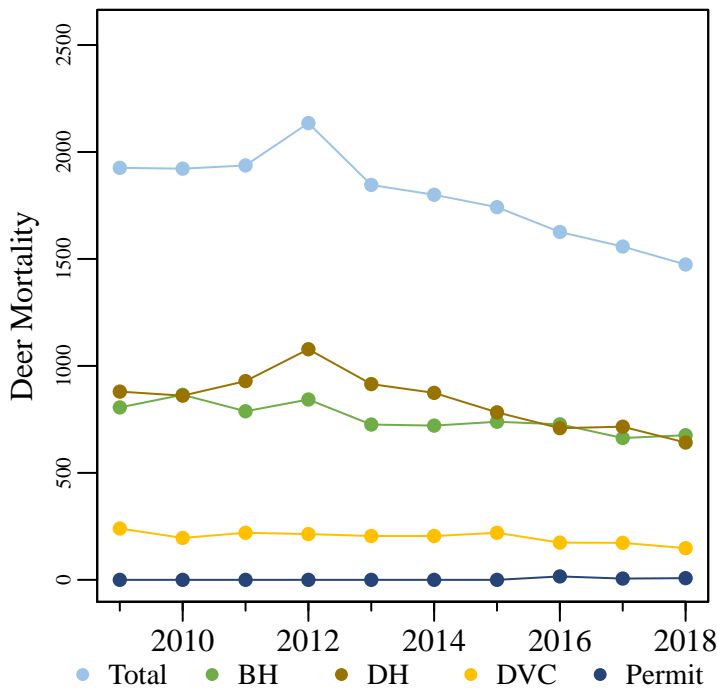
6/26/2019

Total Square Miles: 312  
 Square Miles of Deer Habitat: 91  
 Percent Deer Habitat: 29

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,284		708		7.78	576		6.33	44.86		133		2
2006	1,337		701		7.70	636		6.99	47.57		206		2
2007	1,505		728		8.00	777		8.54	51.63		198		3
2008	1,700		873		9.59	827		9.09	48.65		247		3
2009	1,686		806		8.86	880		9.67	52.19		240		4
2010	1,726	1.16	865	1.37	9.51	861	0.95	9.46	49.88		196	-0.19	4
2011	1,717	0.76	788	-0.08	8.66	929	1.36	10.21	54.11		220	0.11	8
2012	1,921	2.77	843	0.52	9.26	1,078	3.91	11.85	56.12		214	-0.27	8
2013	1,641	-1.13	726	-2.95	7.98	915	0.00	10.05	55.76		205	-0.90	8
2014	1,595	-1.33	721	-1.57	7.92	874	-0.68	9.60	54.80		205	-0.60	8
2015	1,522	-1.59	739	-0.75	8.12	783	-1.71	8.60	51.45		220	1.30	8
2016	1,436	-1.59	727	-0.70	7.99	709	-1.93	7.79	49.37	16	174	-5.15	8
2017	1,379	-1.33	663	-1.70	7.29	716	-1.11	7.87	51.92	6	173	-1.94	4
2018	1,318	-1.81	676	-1.31	7.43	642	-1.70	7.05	48.71	8	148	-2.66	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

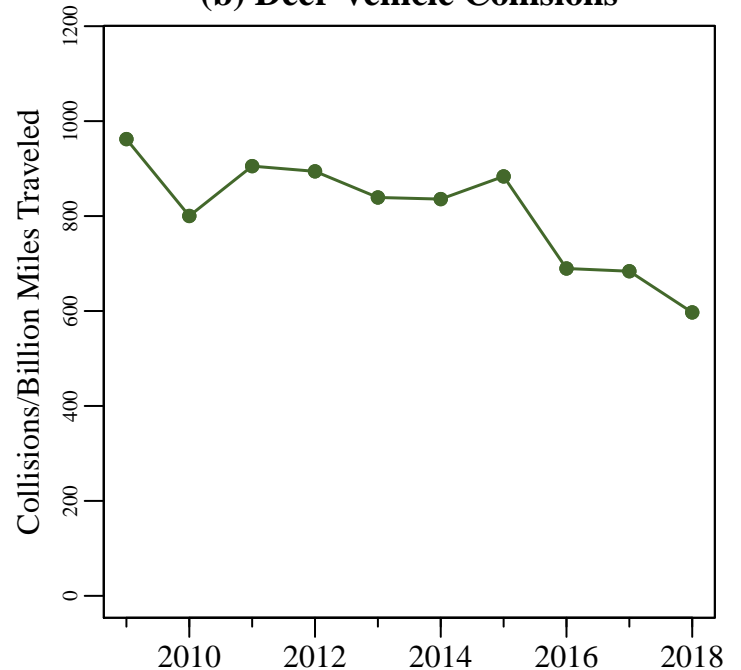


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Starke County

6/26/2019

Total Square Miles: 312  
 Square Miles of Deer Habitat: 91  
 Percent Deer Habitat: 29

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,140	552	586	2	0	436	531	135	29	4	3	1	1	0	0	0
2016	1,047	509	533	5	0	391	482	131	30	7	5	1	0	0	0	0
2017	1,002	511	486	5	0	350	474	137	30	10	1	0	0	0	0	0
2018	993	479	513	1	0	373	468	122	29	1	0	0	0	0	0	0

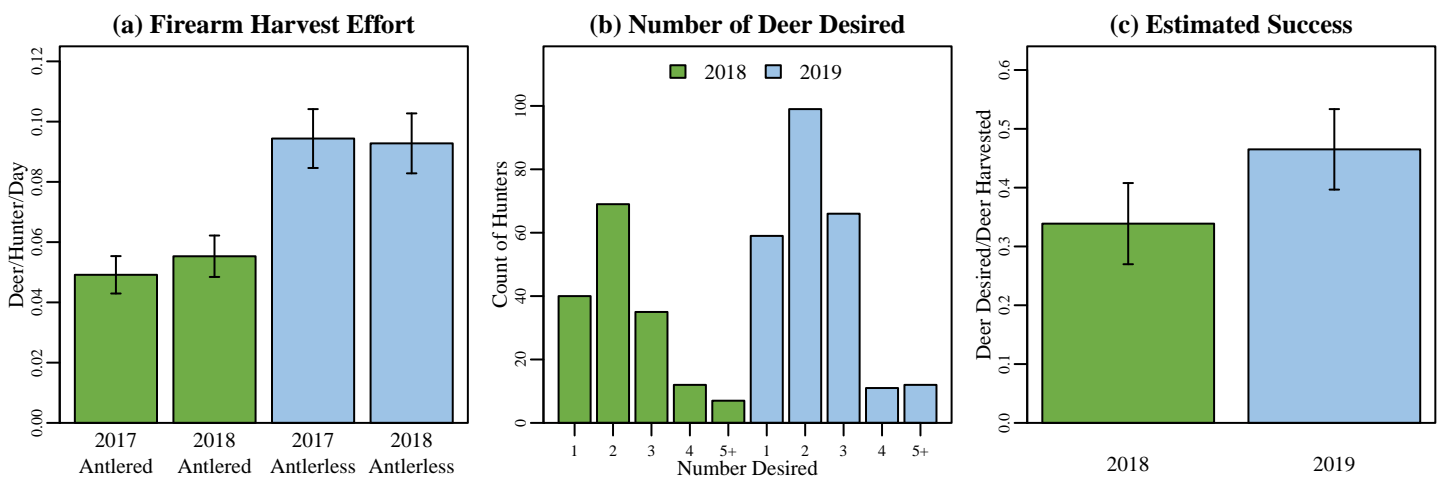
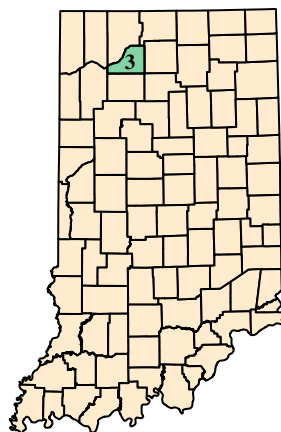


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Starke County Map



## (b) Deer Habitat in Starke County

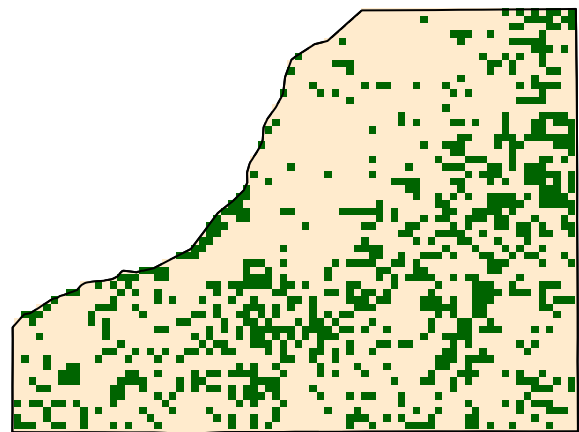


Figure 3. (a) Starke County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Starke County.

# Starke County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

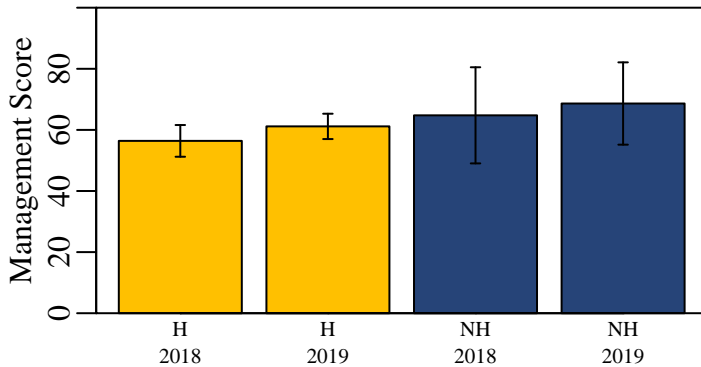


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

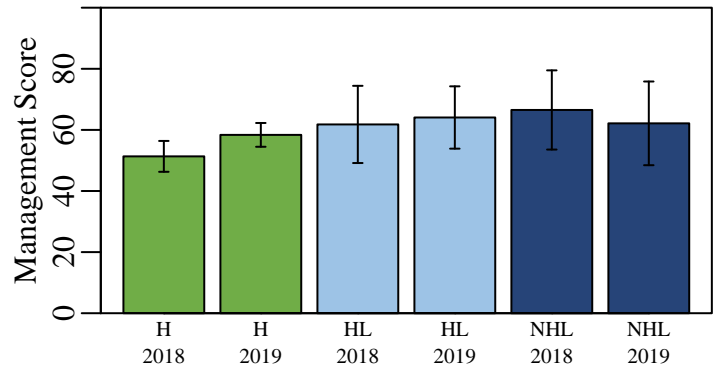


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

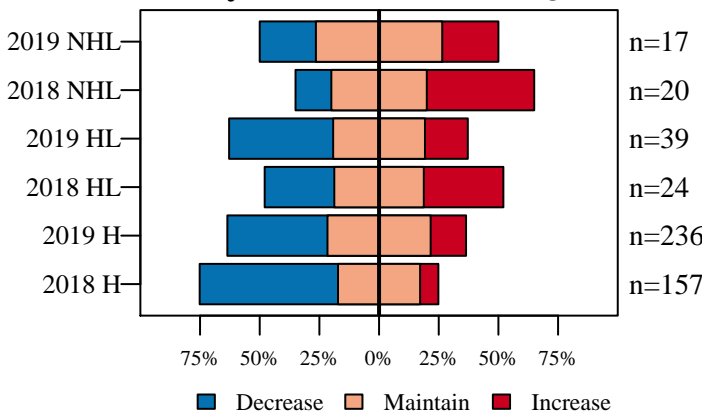


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

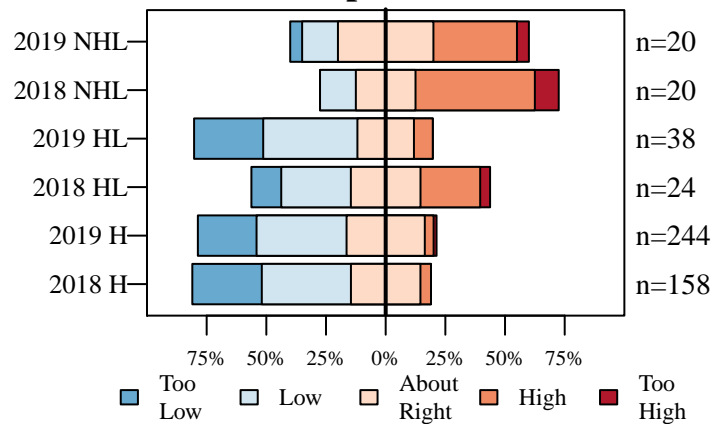


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

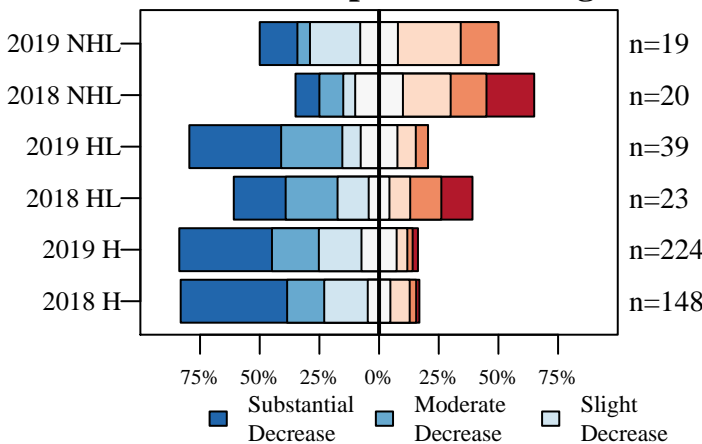


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

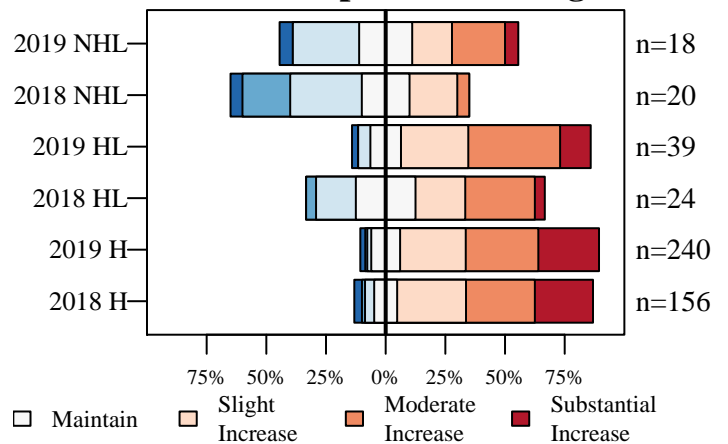


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Starke County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

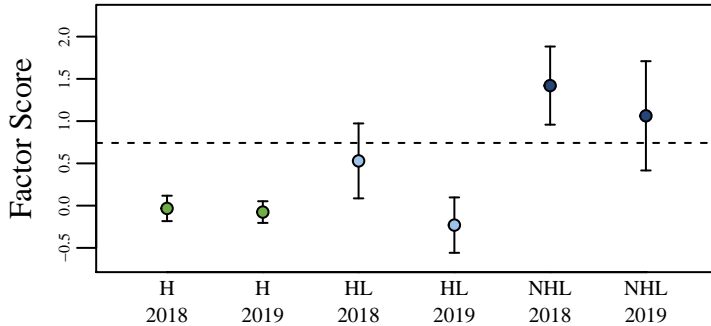


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

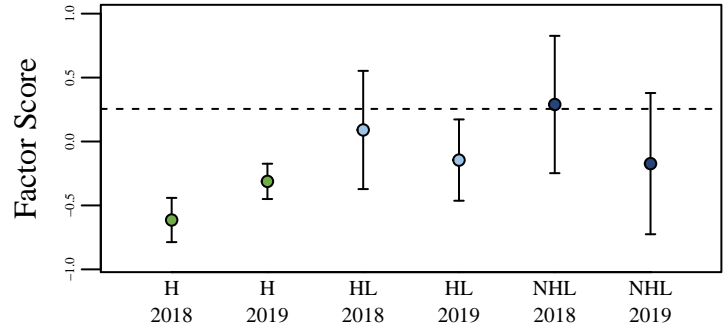


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

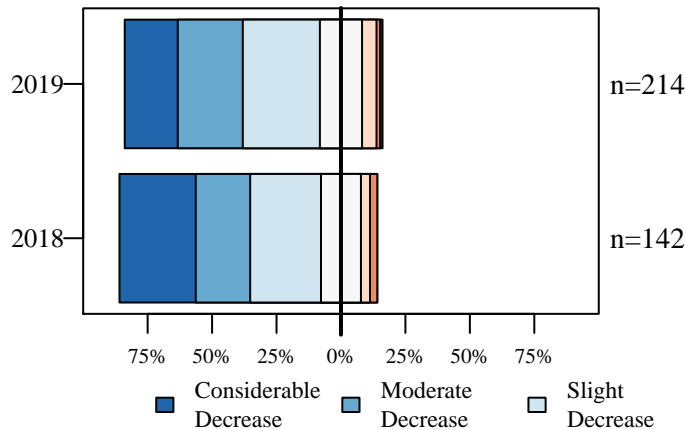


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

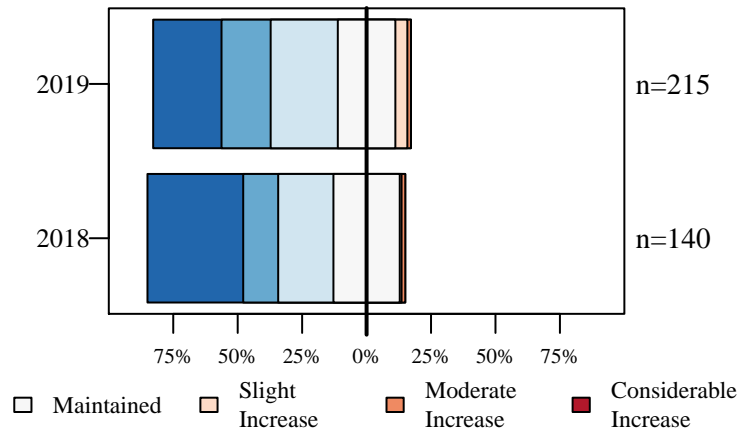


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

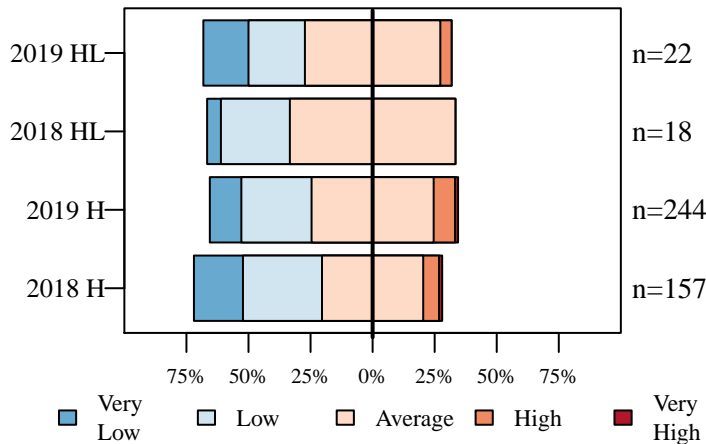


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

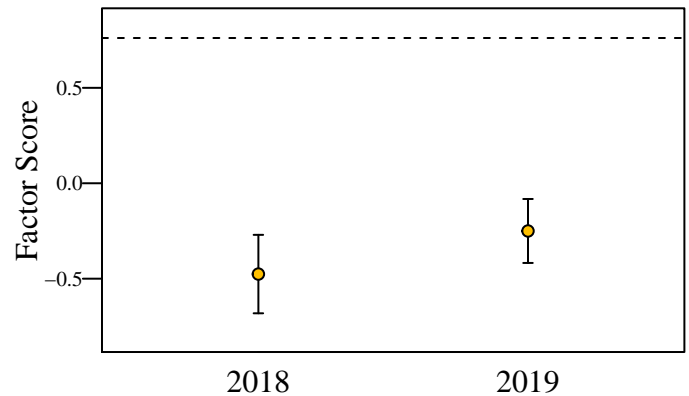


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Steuben County

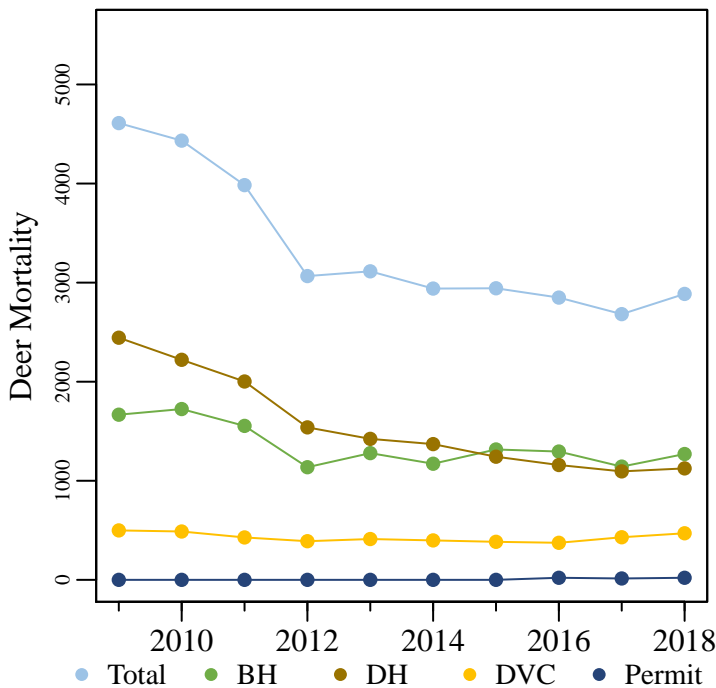
6/26/2019

Total Square Miles: 322  
 Square Miles of Deer Habitat: 151  
 Percent Deer Habitat: 47

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	3,334		1,622		10.74	1,712		11.34	51.35		519		2
2006	3,232		1,441		9.54	1,791		11.86	55.41		548		2
2007	3,719		1,589		10.52	2,130		14.11	57.27		547		3
2008	3,659		1,518		10.05	2,141		14.18	58.51		530		3
2009	4,111		1,667		11.04	2,444		16.19	59.45		499		8
2010	3,945	0.96	1,724	1.76	11.42	2,221	0.60	14.71	56.30		488	-1.98	8
2011	3,556	-0.53	1,554	-0.30	10.29	2,002	-0.61	13.26	56.30		428	-3.42	8
2012	2,676	-4.97	1,137	-5.63	7.53	1,539	-3.97	10.19	57.51		390	-2.36	8
2013	2,702	-1.59	1,279	-1.05	8.47	1,423	-1.92	9.42	52.66		412	-0.97	4
2014	2,542	-1.26	1,172	-1.18	7.76	1,370	-1.27	9.07	53.89		398	-0.95	4
2015	2,559	-0.84	1,316	-0.22	8.72	1,243	-1.24	8.23	48.57		384	-1.01	3
2016	2,454	-0.83	1,295	0.02	8.58	1,159	-1.22	7.68	47.23	21	374	-1.60	3
2017	2,238	-3.42	1,143	-1.21	7.57	1,095	-1.68	7.25	48.93	14	430	1.65	2
2018	2,395	-0.61	1,270	0.37	8.41	1,125	-0.96	7.45	46.97	21	470	3.12	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

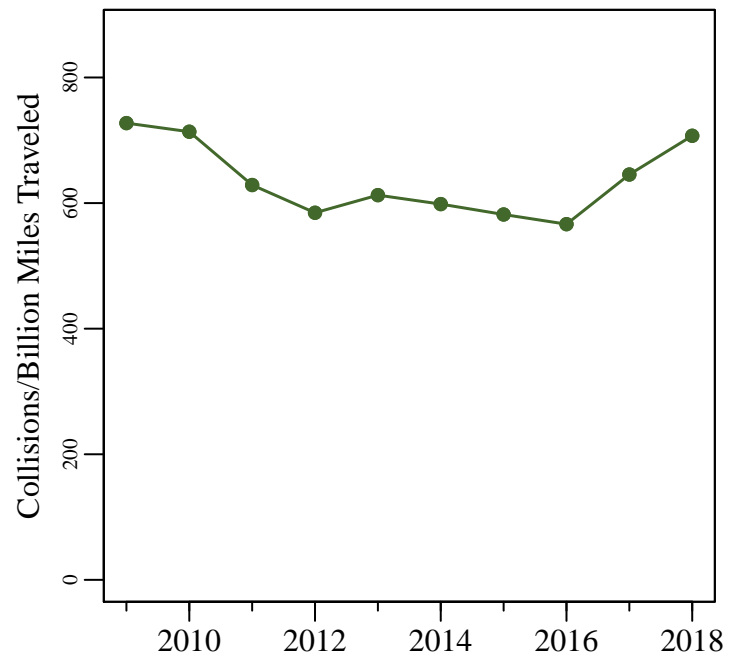


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Steuben County

6/26/2019

Total Square Miles: 322  
 Square Miles of Deer Habitat: 151  
 Percent Deer Habitat: 47

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,979	881	1,095	3	0	817	906	220	32	4	0	0	0	0	0	0
2016	1,875	785	1,083	7	0	813	819	198	41	1	3	0	0	0	0	0
2017	1,735	789	942	4	0	701	812	194	26	1	0	1	0	0	0	0
2018	1,854	771	1,071	12	0	774	898	156	18	6	1	0	1	0	0	0

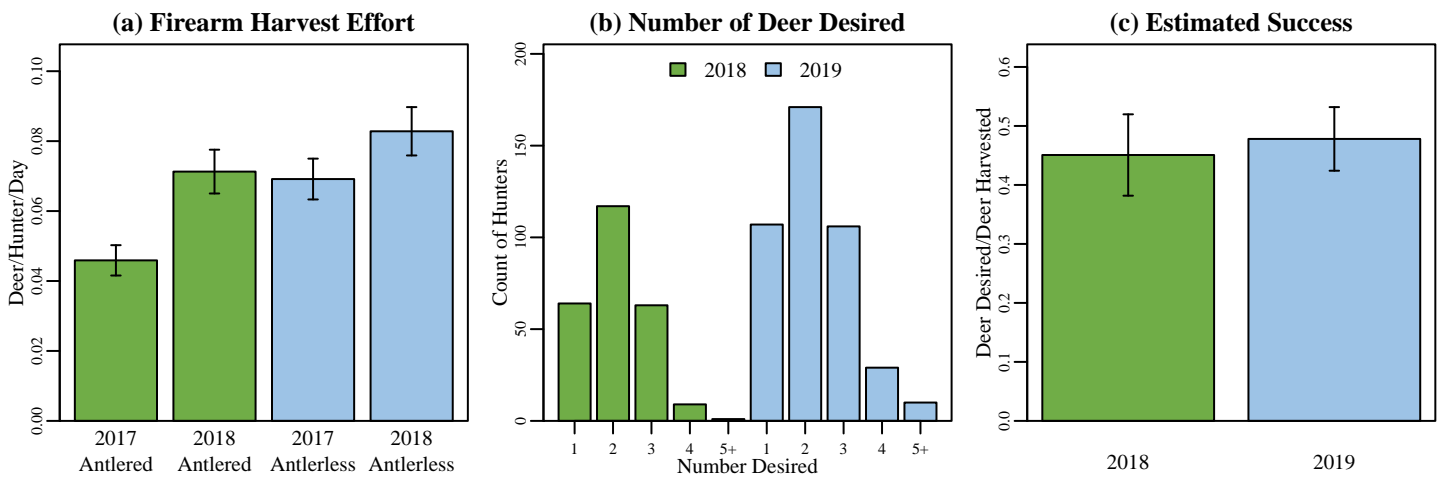
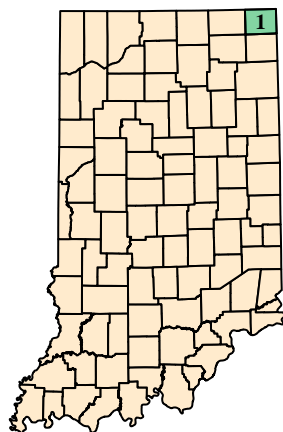


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Steuben County Map



## (b) Deer Habitat in Steuben County

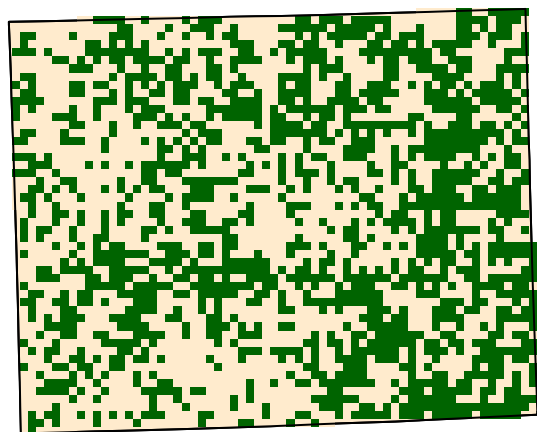


Figure 3. (a) Steuben County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Steuben County.

# Steuben County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

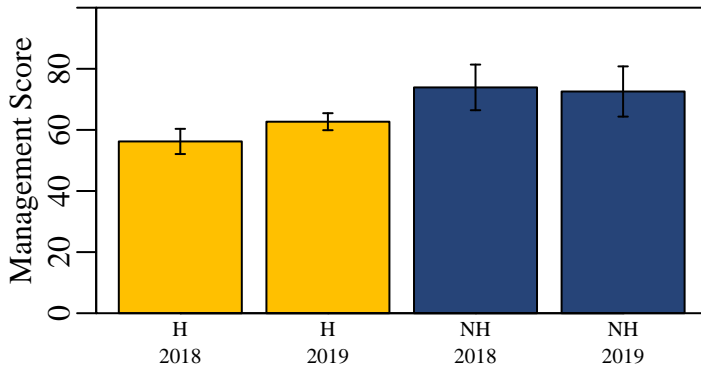


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

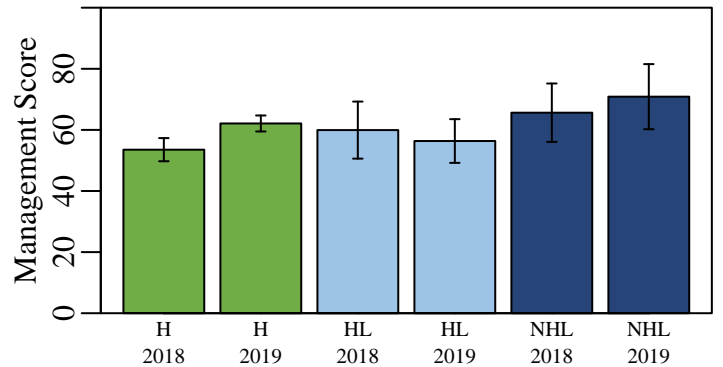


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

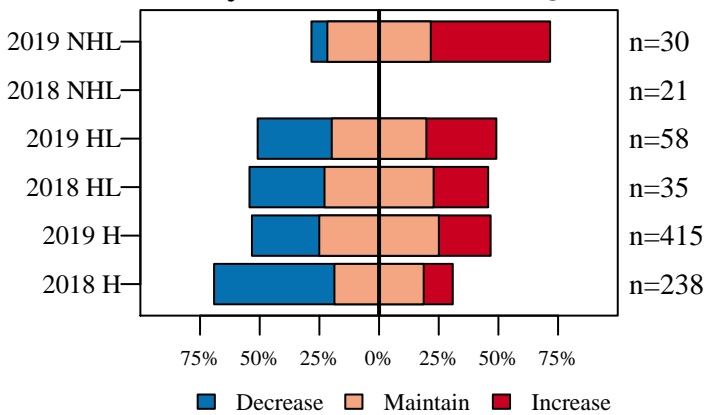


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

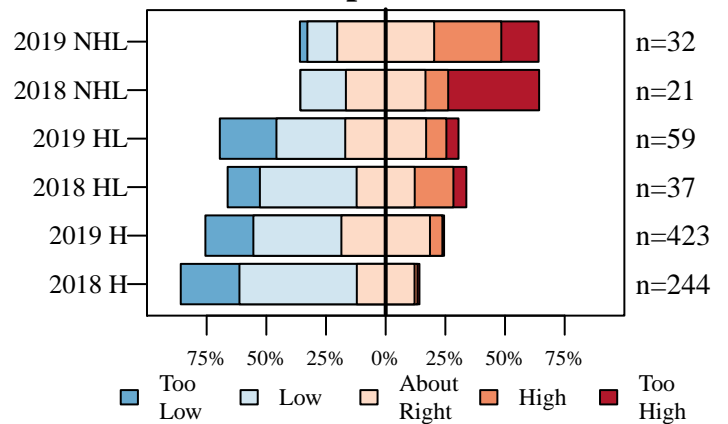


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

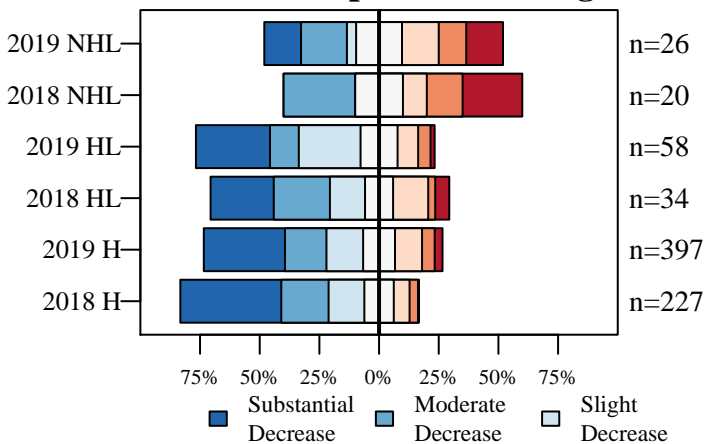


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

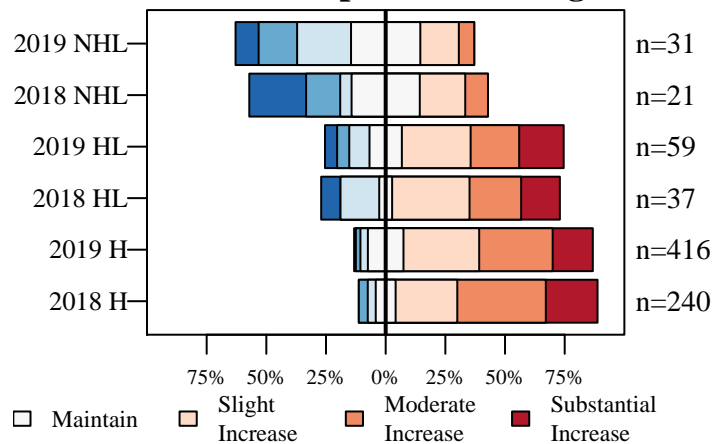


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Steuben County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

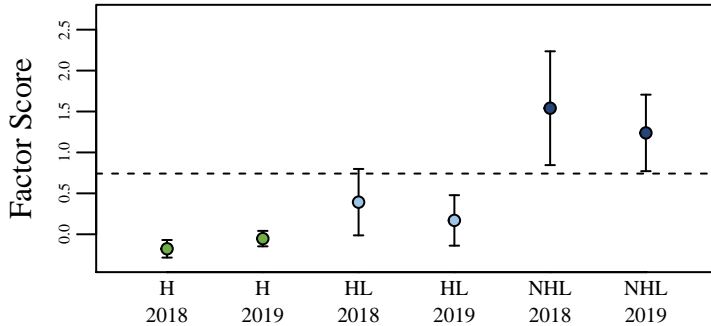


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

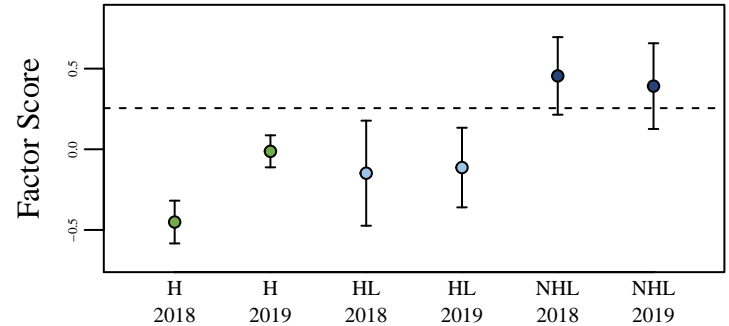


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

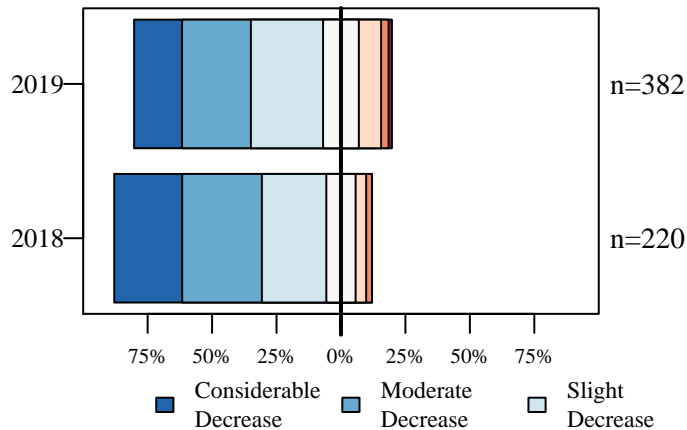


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

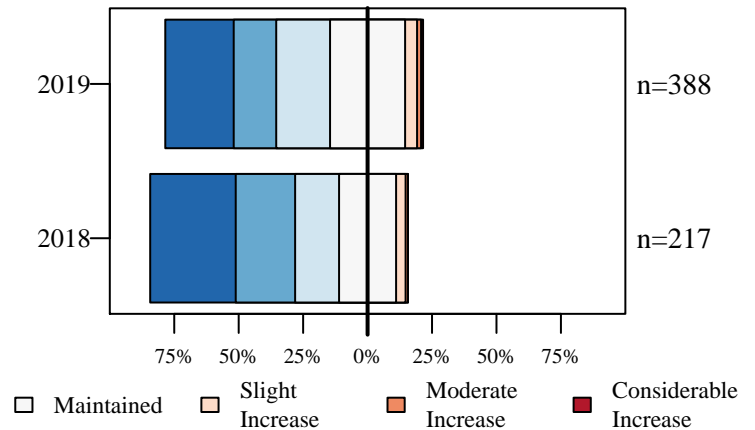


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

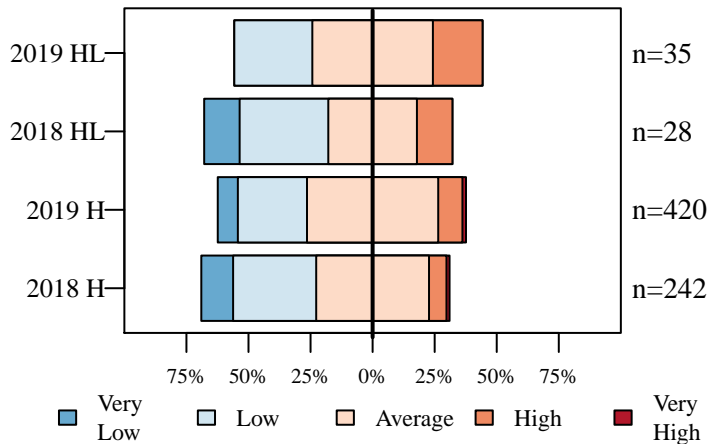


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

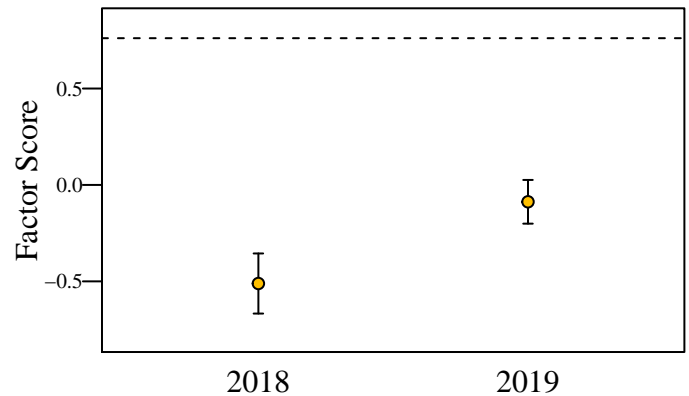


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Sullivan County

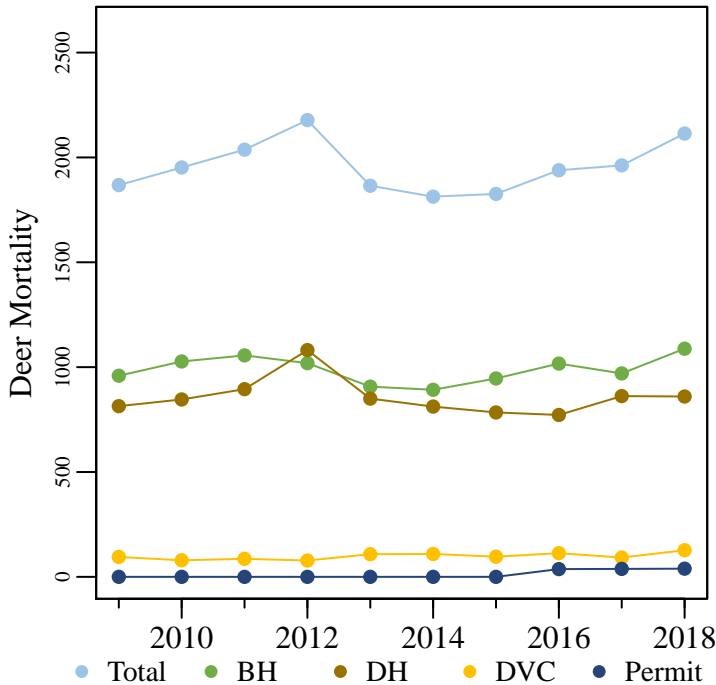
6/26/2019

Total Square Miles: 454  
 Square Miles of Deer Habitat: 143  
 Percent Deer Habitat: 32

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,653		970		6.78	683		4.78	41.32		11		2
2006	1,472		803		5.62	669		4.68	45.45		34		2
2007	1,626		961		6.72	665		4.65	40.90		86		2
2008	1,623		896		6.27	727		5.08	44.79		64		3
2009	1,773		959		6.71	814		5.69	45.91		95		3
2010	1,873	2.27	1,027	1.55	7.18	846	2.16	5.92	45.17		79	0.60	4
2011	1,951	1.80	1,056	1.50	7.38	895	1.82	6.26	45.87		86	0.60	4
2012	2,100	2.26	1,019	0.62	7.13	1,081	3.15	7.56	51.48		78	-0.35	4
2013	1,757	-0.59	907	-1.32	6.34	850	-0.17	5.94	48.38		108	2.42	4
2014	1,704	-1.33	892	-1.70	6.24	812	-0.80	5.68	47.65		109	1.58	4
2015	1,730	-0.93	946	-0.46	6.62	784	-1.05	5.48	45.32		96	0.26	3
2016	1,789	-0.35	1,017	0.74	7.11	772	-0.96	5.40	43.15	37	113	1.30	3
2017	1,832	0.10	970	0.23	6.78	862	0.02	6.03	47.05	38	92	-0.45	3
2018	1,948	3.70	1,088	2.82	7.61	860	1.11	6.01	44.15	39	127	2.26	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

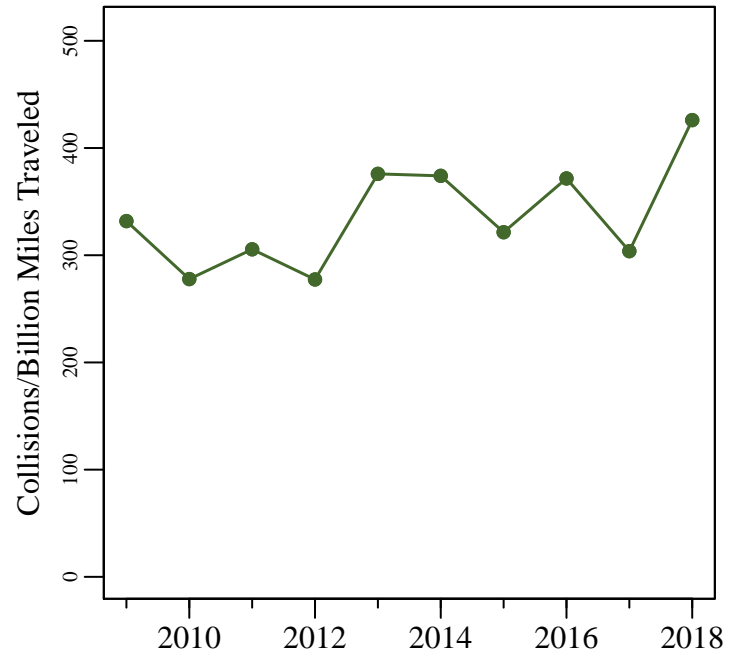


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Sullivan County

6/26/2019

Total Square Miles: 454  
 Square Miles of Deer Habitat: 143  
 Percent Deer Habitat: 32

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,363	581	781	1	0	589	627	125	18	4	0	0	0	0	0	0
2016	1,396	540	849	6	1	645	605	119	26	1	0	0	0	0	0	0
2017	1,343	574	760	9	0	547	580	183	25	7	1	0	0	0	0	0
2018	1,447	525	918	4	0	655	597	165	26	3	1	0	0	0	0	0

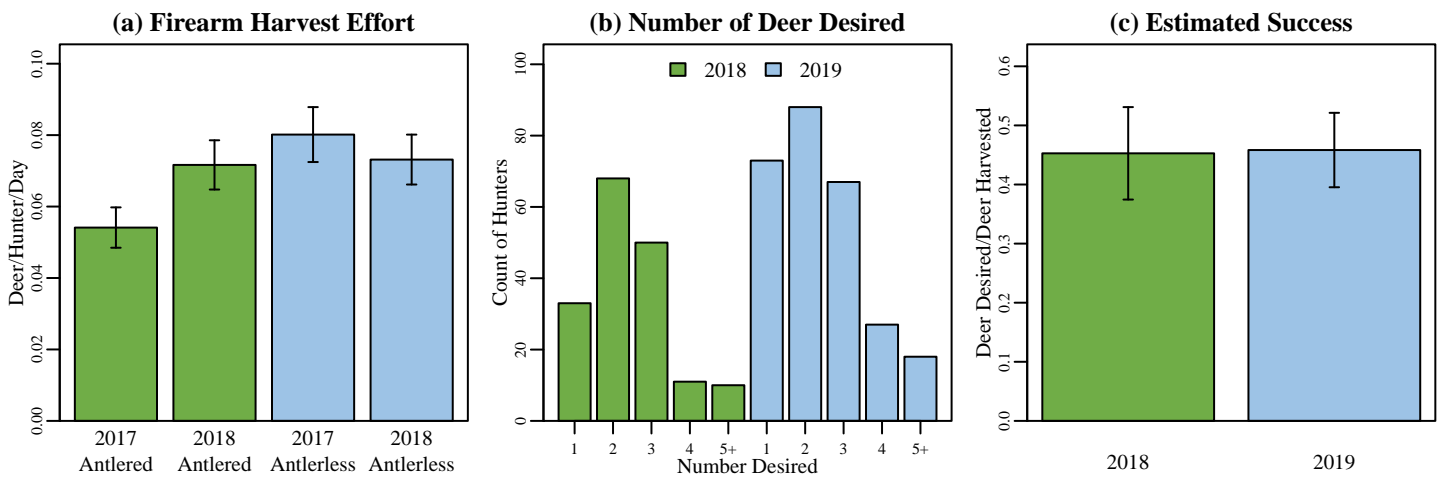
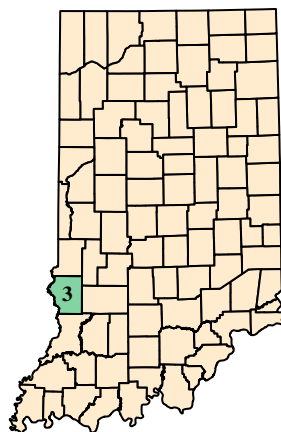


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Sullivan County Map



## (b) Deer Habitat in Sullivan County

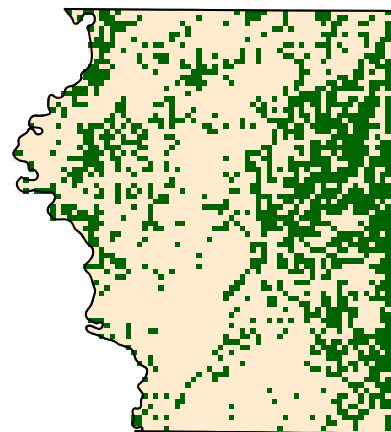


Figure 3. (a) Sullivan County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Sullivan County.

# Sullivan County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

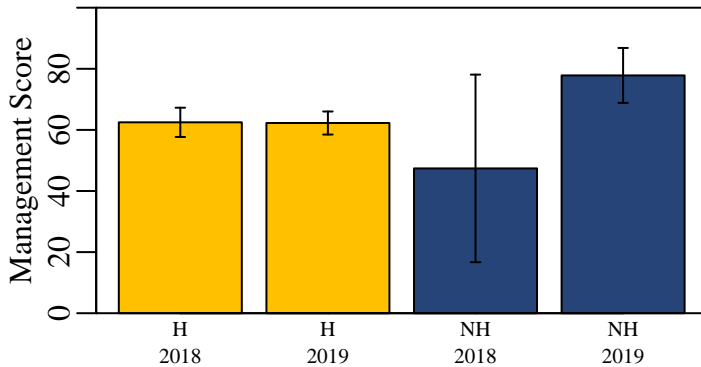


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

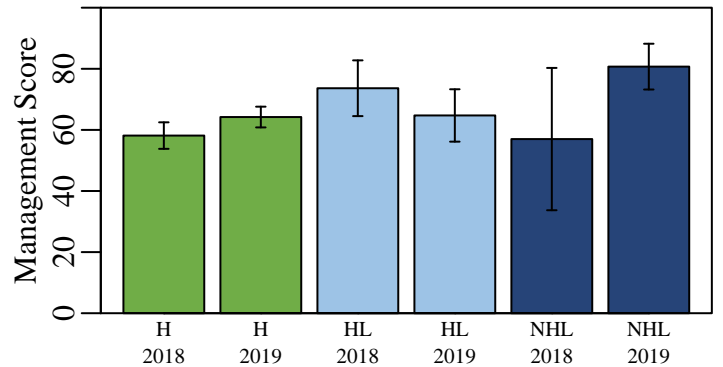


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

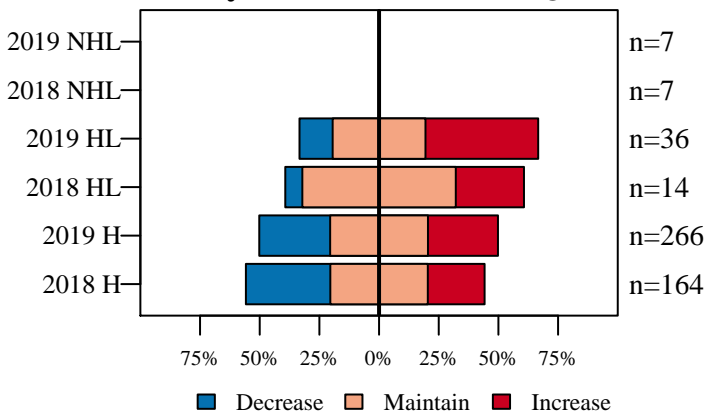


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

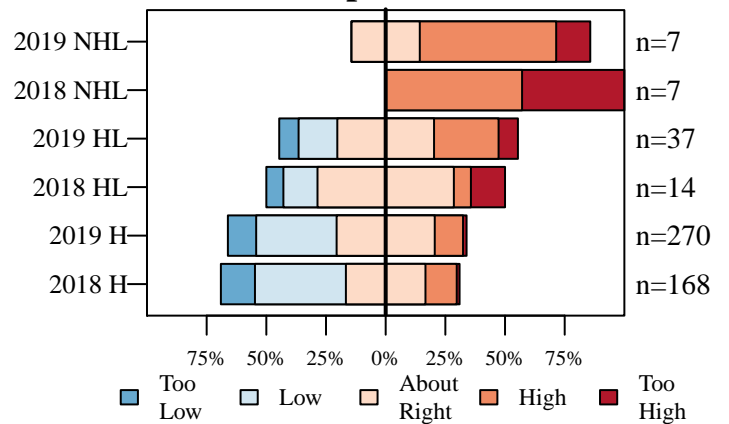


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

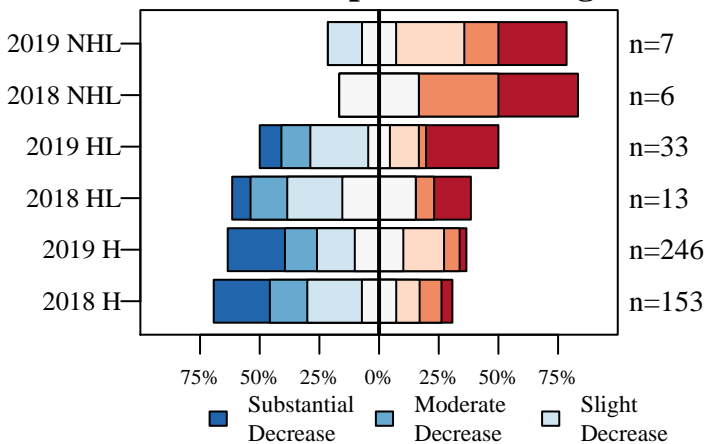


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

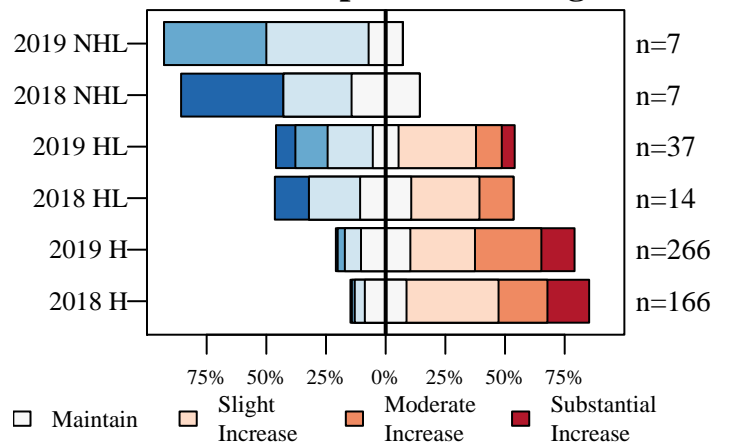


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Sullivan County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

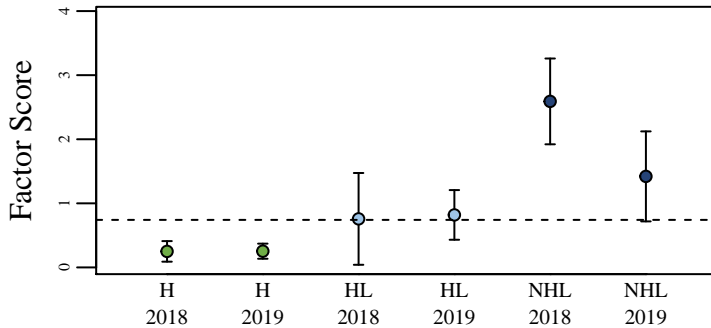


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

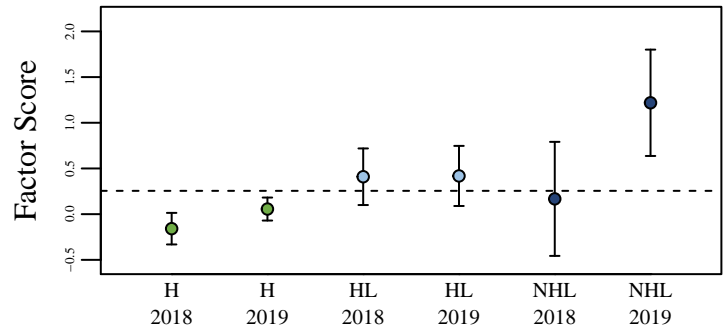


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

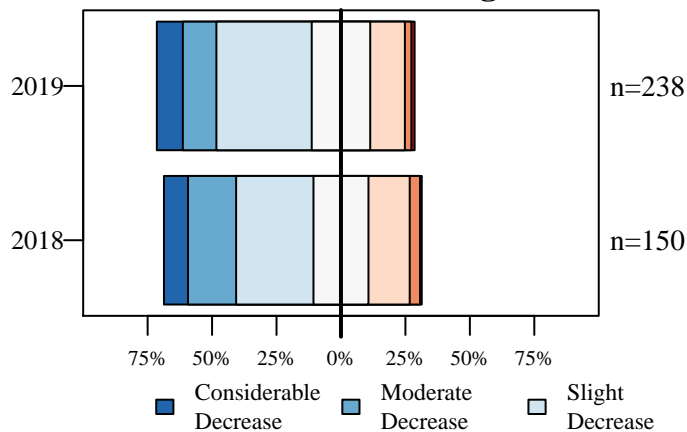


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

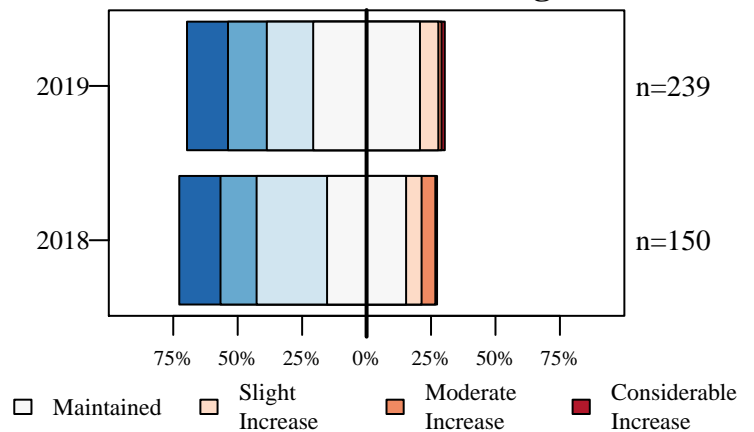


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

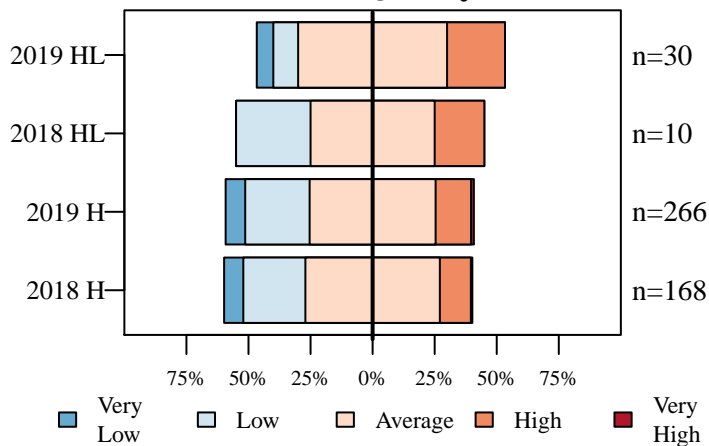


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

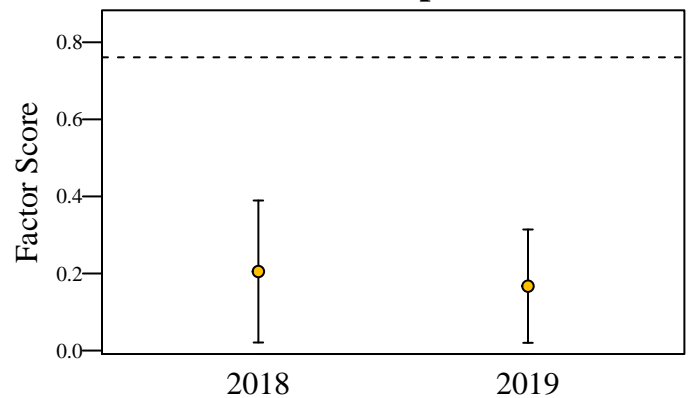


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Switzerland County

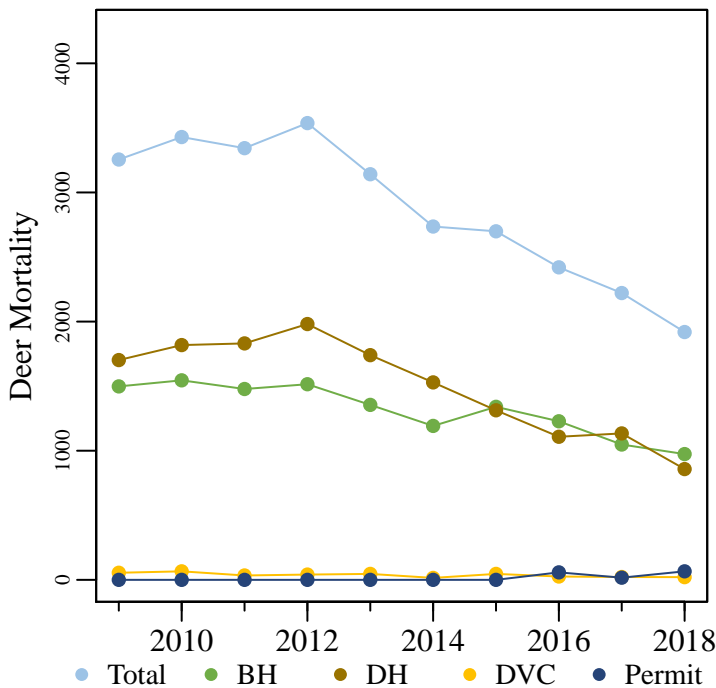
6/26/2019

Total Square Miles: 224  
 Square Miles of Deer Habitat: 191  
 Percent Deer Habitat: 85

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	3,053		1,416		7.41	1,637		8.57	53.62		29		8
2006	2,772		1,206		6.31	1,566		8.20	56.49		41		8
2007	3,169		1,343		7.03	1,826		9.56	57.62		75		8
2008	2,909		1,263		6.61	1,646		8.62	56.58		52		8
2009	3,200		1,498		7.84	1,702		8.91	53.19		55		8
2010	3,363	1.90	1,545	1.71	8.09	1,818	1.47	9.52	54.06		66	0.91	8
2011	3,309	0.95	1,478	0.73	7.74	1,831	1.07	9.59	55.33		34	-1.82	8
2012	3,496	1.74	1,515	0.76	7.93	1,981	2.54	10.37	56.66		41	-0.99	8
2013	3,095	-0.73	1,355	-0.93	7.09	1,740	-0.43	9.11	56.22		46	-0.29	8
2014	2,721	-3.72	1,192	-3.91	6.24	1,529	-2.66	8.01	56.19		15	-2.68	8
2015	2,653	-1.80	1,340	-0.53	7.02	1,313	-2.83	6.87	49.49		46	0.30	4
2016	2,336	-1.97	1,228	-1.16	6.43	1,108	-2.18	5.80	47.43	58	26	-0.80	4
2017	2,182	-1.52	1,048	-2.19	5.49	1,134	-1.16	5.94	51.97	17	22	-1.03	4
2018	1,832	-2.15	974	-2.07	5.10	858	-1.88	4.49	46.83	66	21	-0.97	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

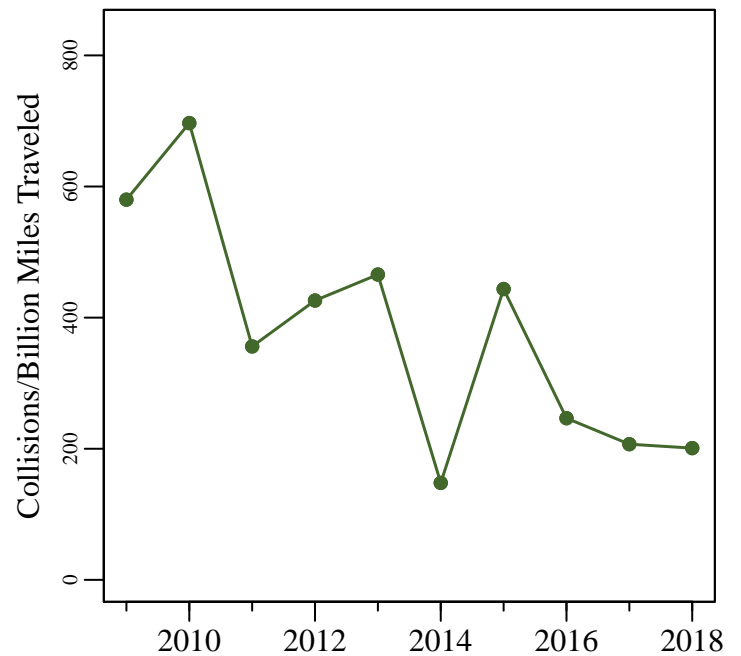


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Switzerland County

6/26/2019

Total Square Miles: 224  
 Square Miles of Deer Habitat: 191  
 Percent Deer Habitat: 85

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,959	908	1,049	2	0	770	868	249	57	12	3	0	0	0	0	0
2016	1,760	766	991	2	1	751	751	204	39	14	0	1	0	0	0	0
2017	1,558	749	804	5	0	585	684	207	63	16	1	2	0	0	0	0
2018	1,383	610	772	1	0	564	625	157	31	4	2	0	0	0	0	0

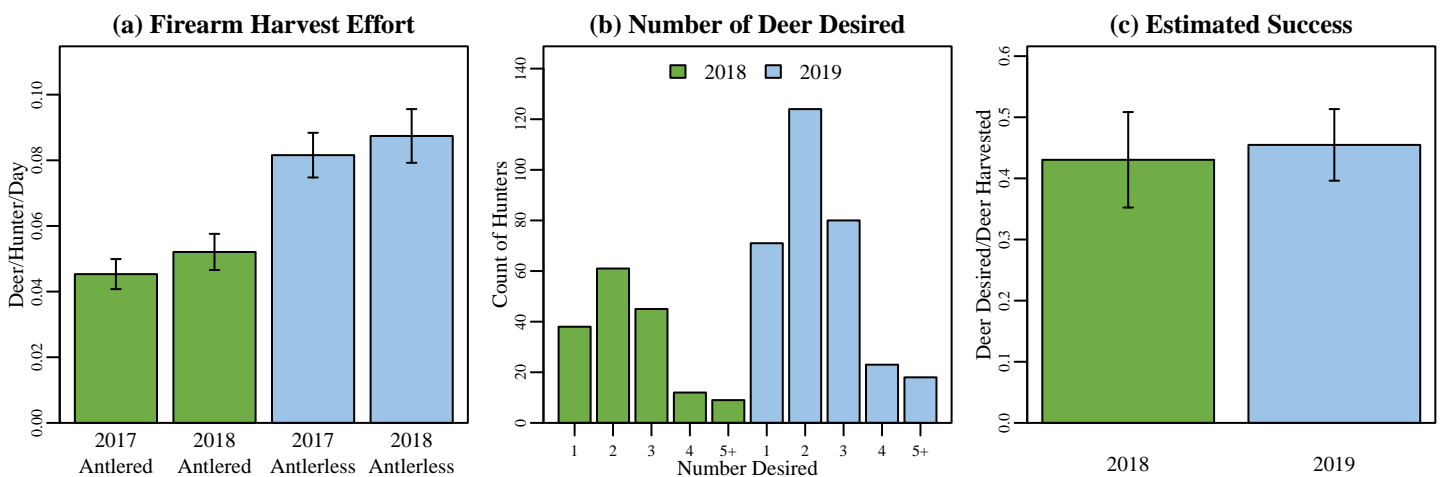
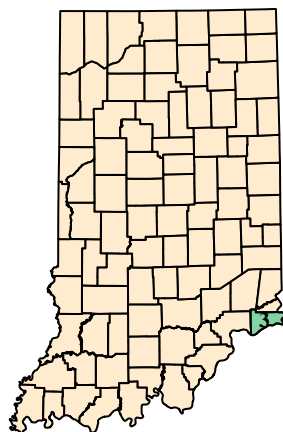


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Switzerland County Map



## (b) Deer Habitat in Switzerland County

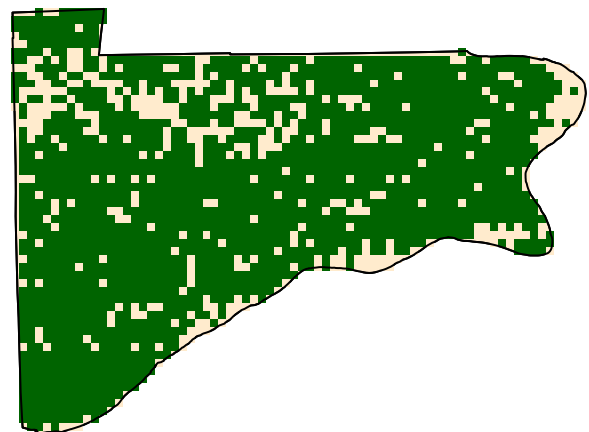


Figure 3. (a) Switzerland County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Switzerland County.

# Switzerland County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

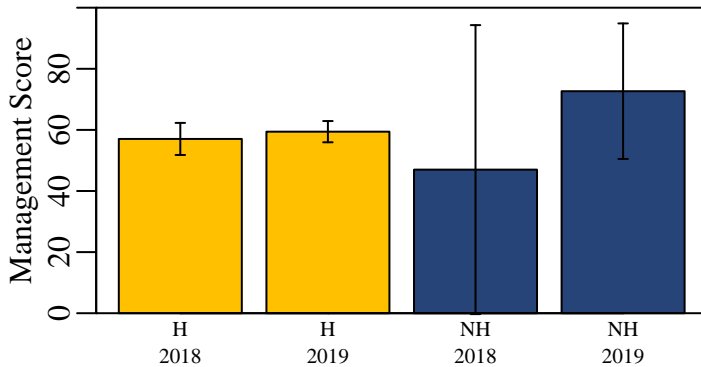


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

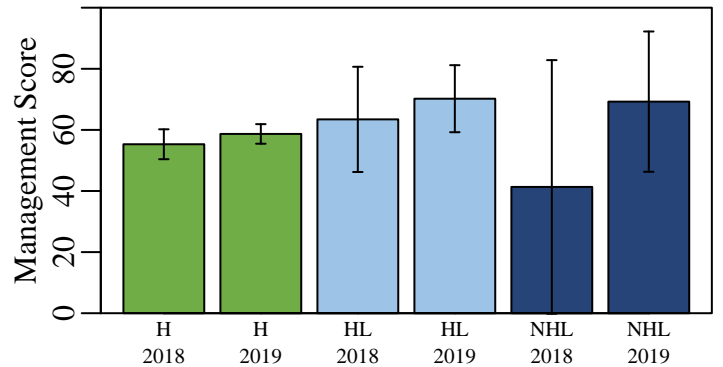


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

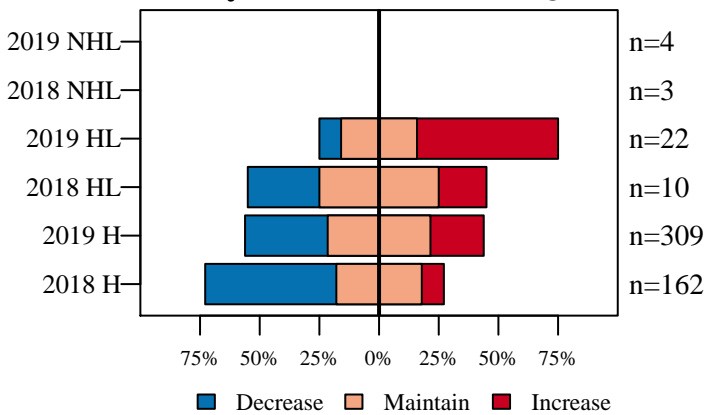


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

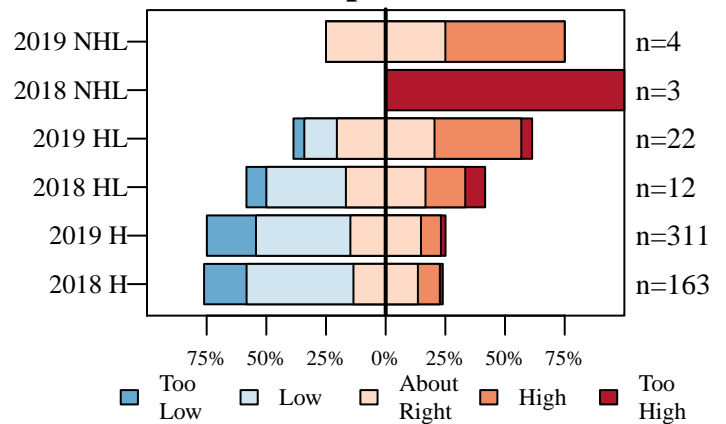


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

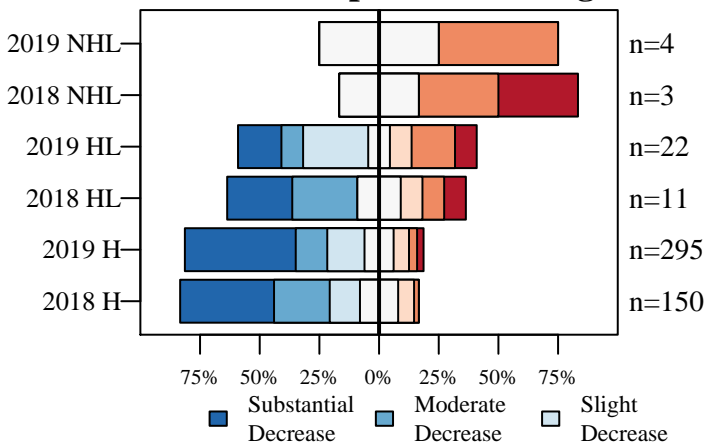


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

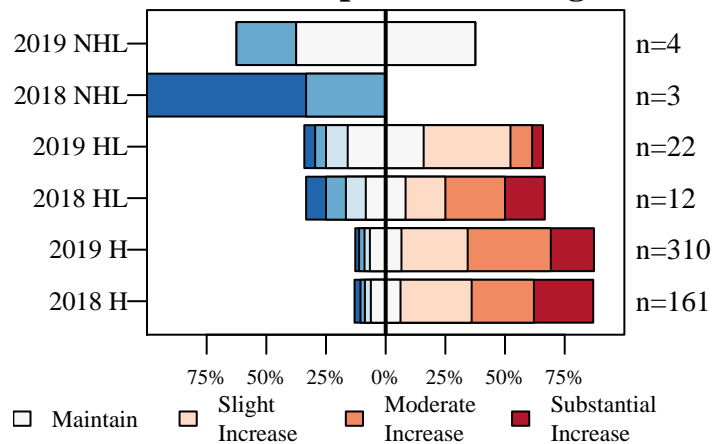


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Switzerland County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

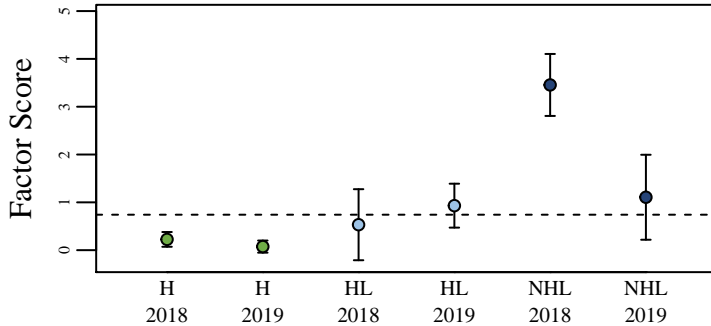


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

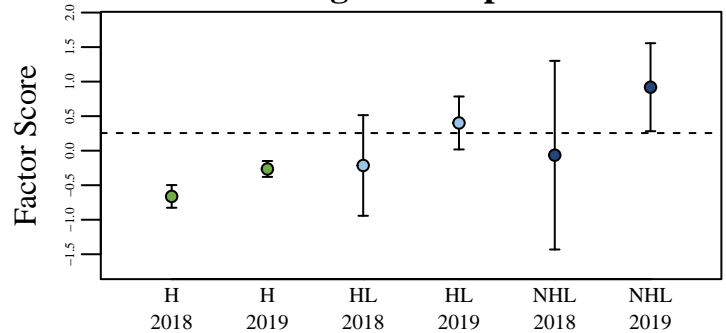


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

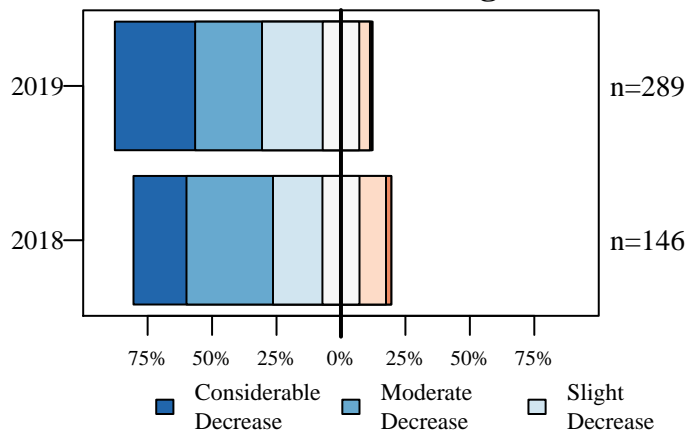


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

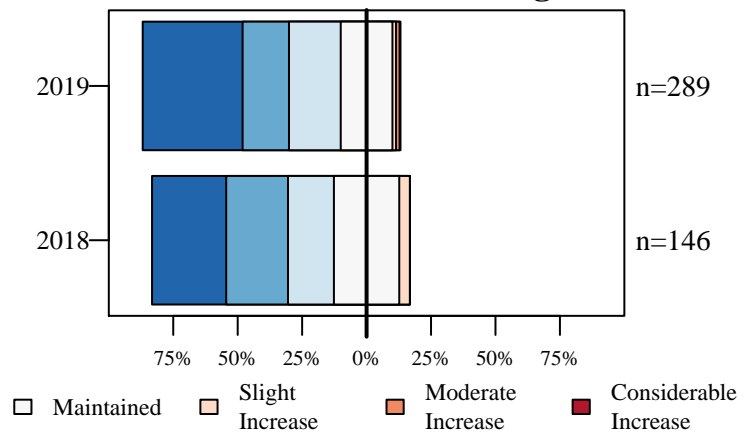


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

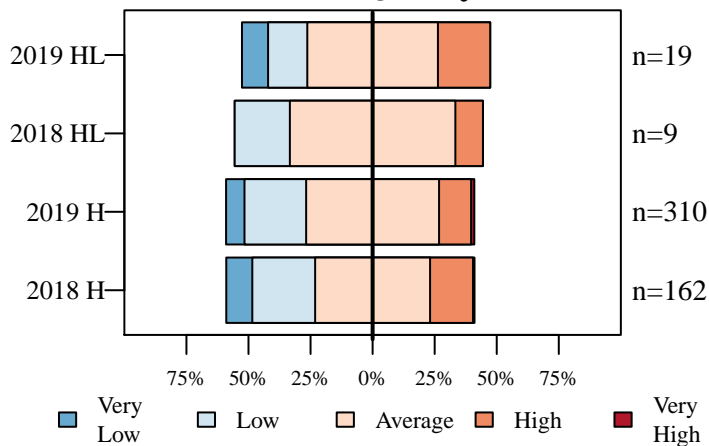


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

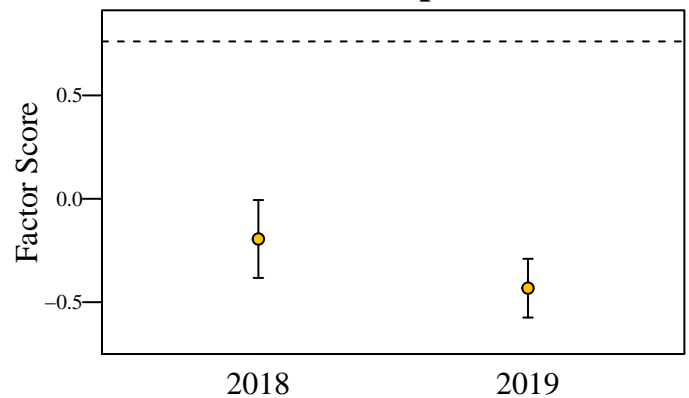


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Tippecanoe County

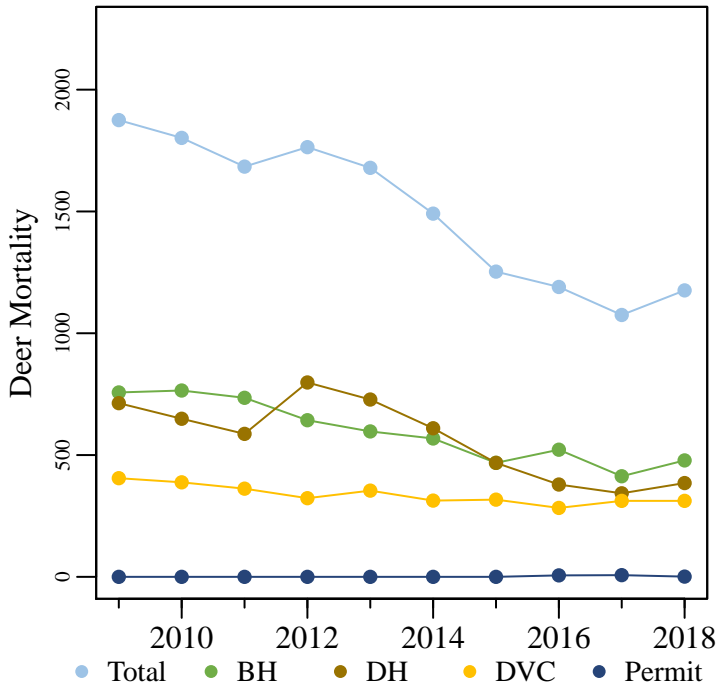
6/26/2019

Total Square Miles: 503  
 Square Miles of Deer Habitat: 103  
 Percent Deer Habitat: 20

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,153		674		6.54	479		4.65	41.54		311		4
2006	1,211		702		6.82	509		4.94	42.03		369		4
2007	1,317		742		7.20	575		5.58	43.66		408		8
2008	1,149		640		6.21	509		4.94	44.30		411		8
2009	1,470		757		7.35	713		6.92	48.50		405		8
2010	1,414	1.14	765	1.29	7.43	649	0.98	6.30	45.90		388	0.17	8
2011	1,322	0.07	735	0.27	7.14	587	-0.04	5.70	44.40		362	-1.94	8
2012	1,441	0.87	643	-1.68	6.24	798	2.47	7.75	55.38		323	-3.52	8
2013	1,325	-0.26	597	-1.80	5.80	728	0.69	7.07	54.94		354	-0.66	8
2014	1,178	-3.20	568	-1.75	5.51	610	-1.06	5.92	51.78		313	-1.69	4
2015	936	-3.89	468	-2.26	4.54	468	-2.36	4.54	50.00		317	-1.02	4
2016	901	-1.75	522	-0.82	5.07	379	-2.02	3.68	42.06	6	283	-2.25	3
2017	756	-1.69	413	-2.17	4.01	343	-1.45	3.33	45.37	7	312	-0.46	3
2018	863	-0.68	478	-0.48	4.64	385	-0.75	3.74	44.61	1	312	-0.43	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

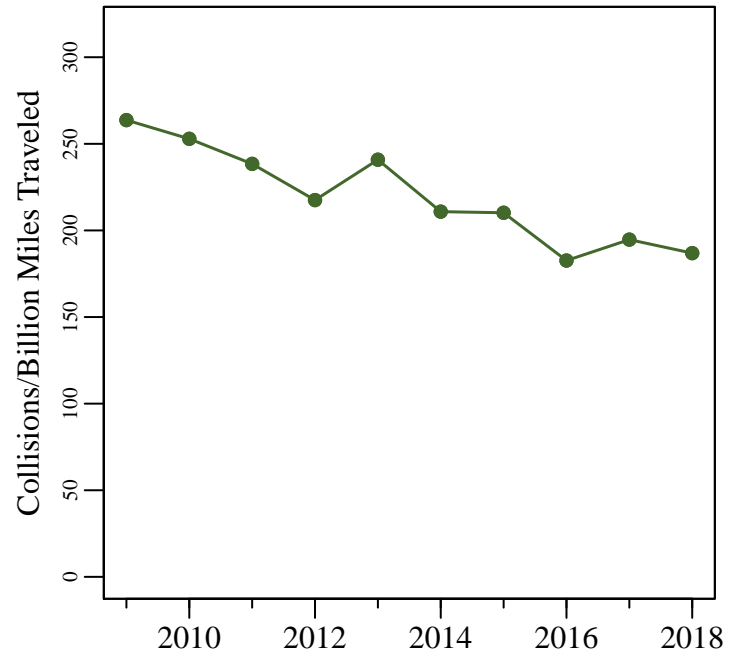


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Tippecanoe County

6/26/2019

Total Square Miles: 503  
 Square Miles of Deer Habitat: 103  
 Percent Deer Habitat: 20

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	720	350	369	1	0	272	351	79	16	2	0	0	0	0	0	0
2016	722	289	429	2	2	336	320	58	6	2	0	0	0	0	0	0
2017	584	268	312	4	0	243	264	63	10	4	0	0	0	0	0	0
2018	666	284	376	6	0	288	297	69	10	0	2	0	0	0	0	0

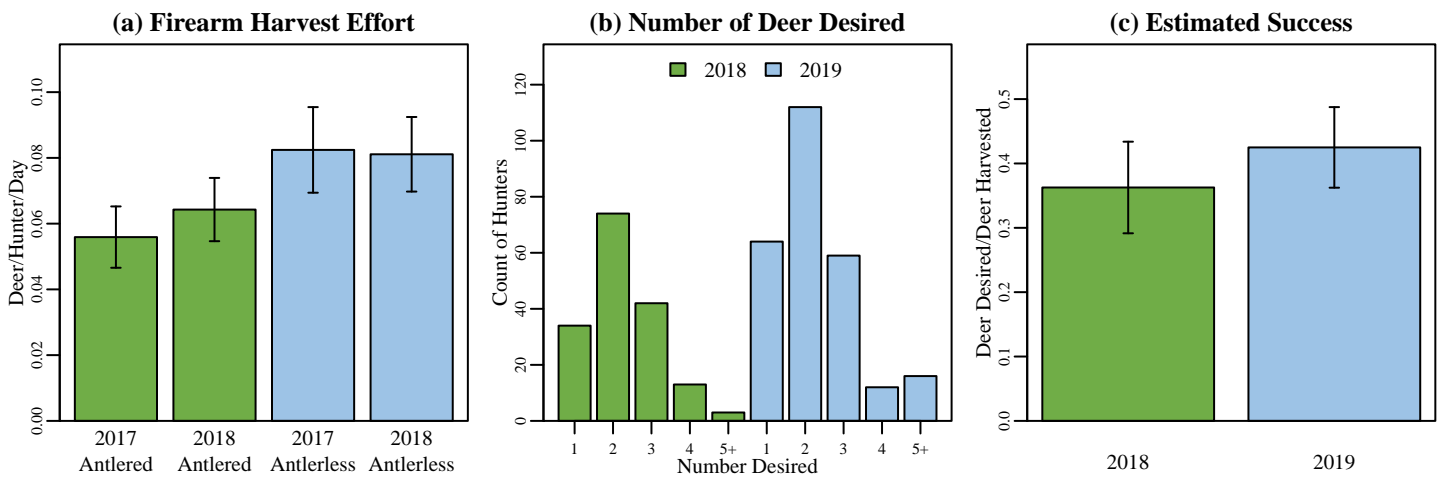


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Tippecanoe County Map



## (b) Deer Habitat in Tippecanoe County

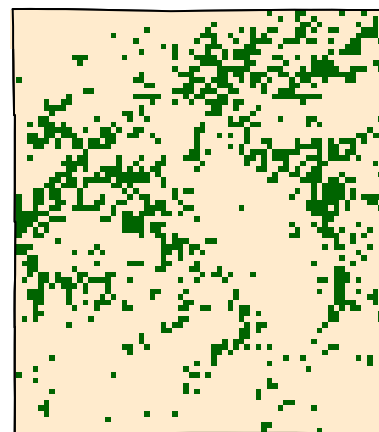


Figure 3. (a) Tippecanoe County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Tippecanoe County.

# Tippecanoe County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

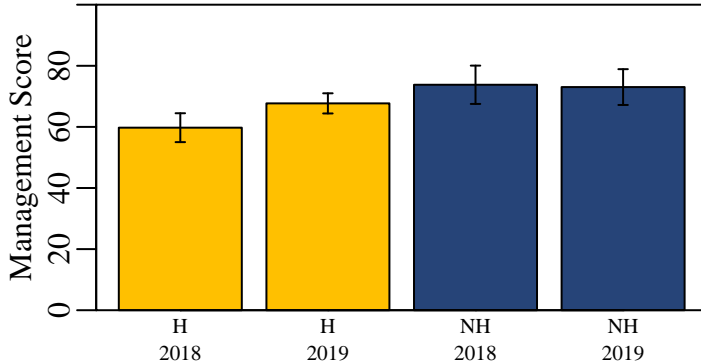


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

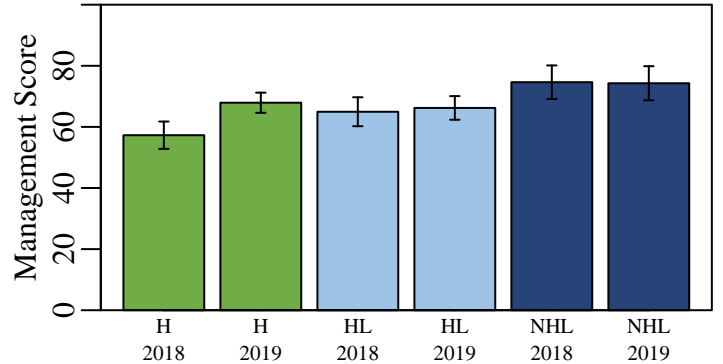


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

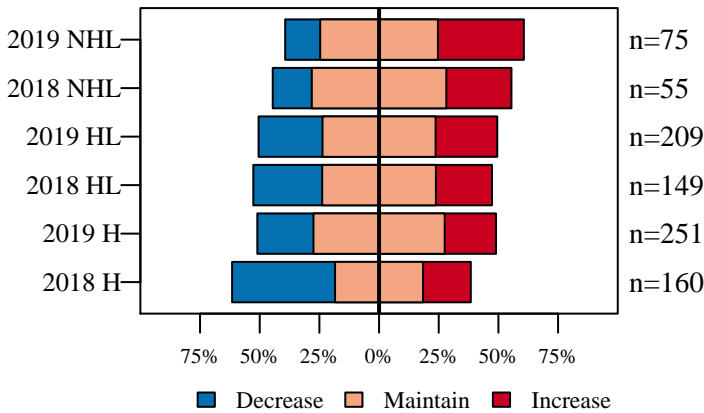


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

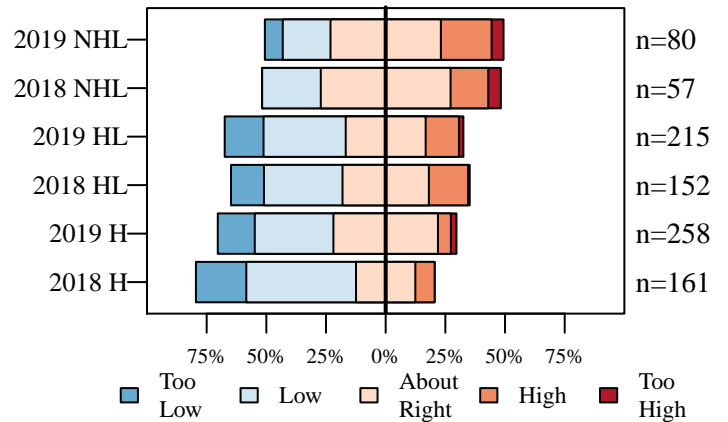


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

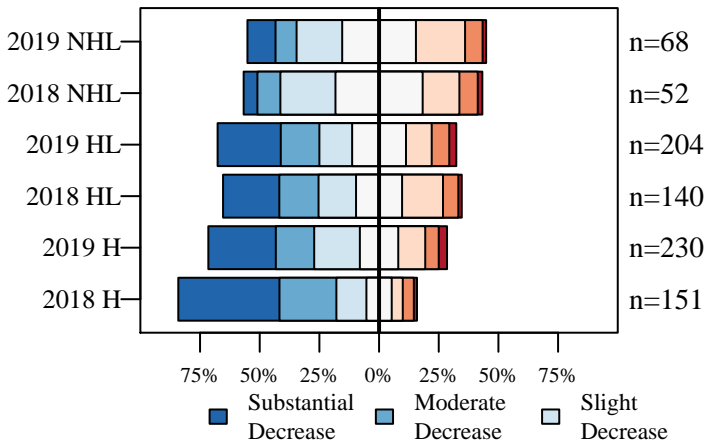


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

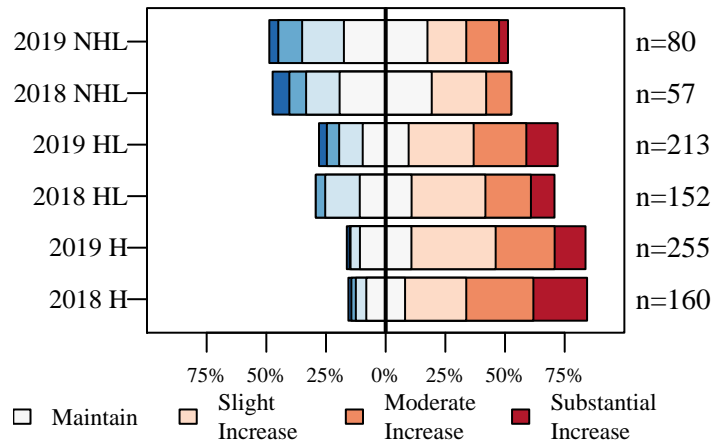


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Tippecanoe County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

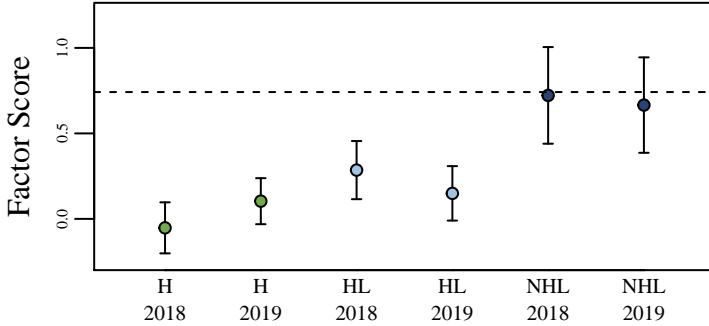


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

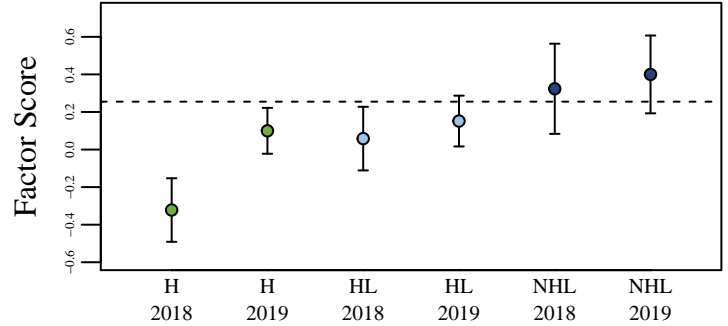


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

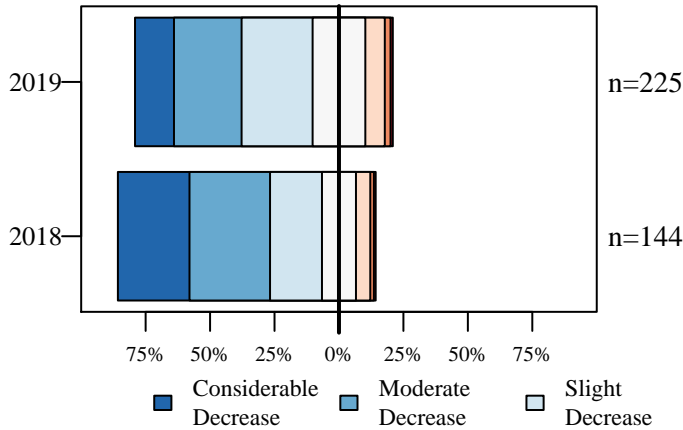


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

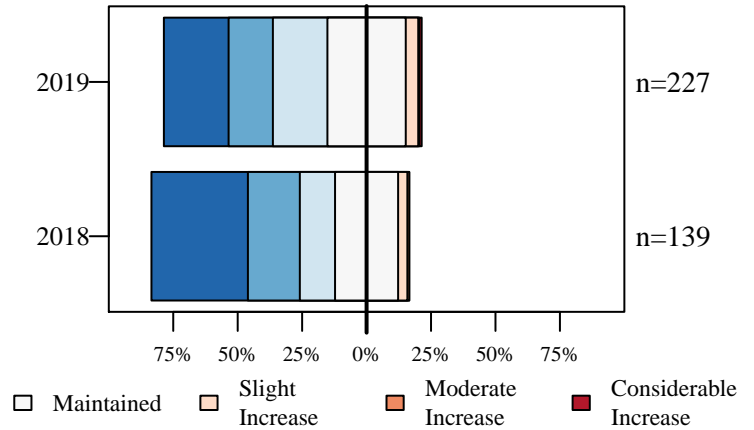


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

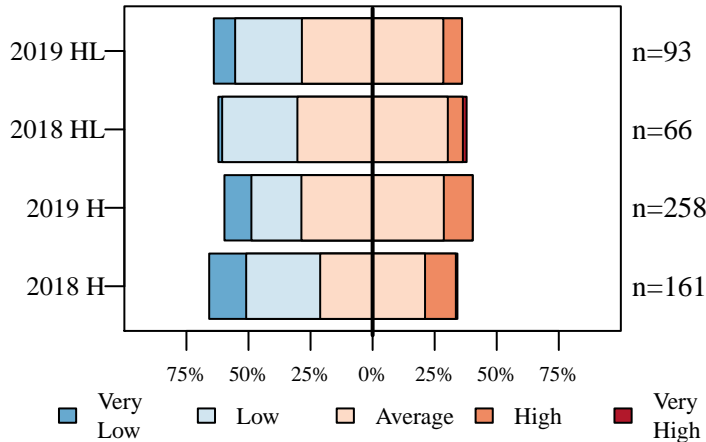


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

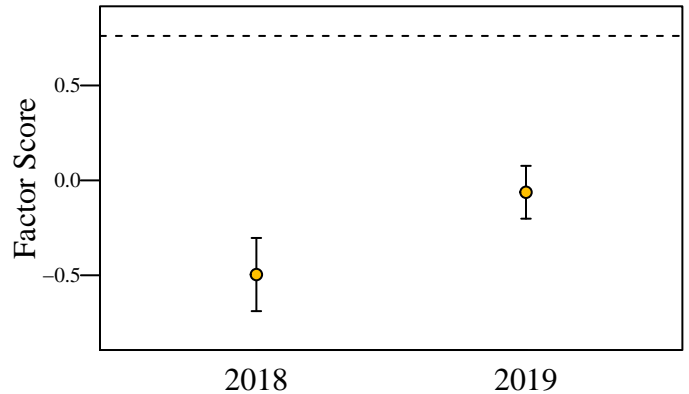


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Tipton County

6/26/2019

Total Square Miles: 260  
 Square Miles of Deer Habitat: 9  
 Percent Deer Habitat: 3

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	82		68		7.56	14		1.56	17.07		4		0
2006	81		57		6.33	24		2.67	29.63		41		0
2007	133		85		9.44	48		5.33	36.09		61		A
2008	128		73		8.11	55		6.11	42.97		54		A
2009	95		67		7.44	28		3.11	29.47		59		A
2010	120	0.65	79	0.88	8.78	41	0.42	4.56	34.17		32	-0.50	A
2011	90	-0.95	47	-2.33	5.22	43	0.29	4.78	47.78		40	-0.75	A
2012	99	-0.73	63	-0.49	7.00	36	-0.70	4.00	36.36		30	-1.52	A
2013	95	-0.69	64	-0.15	7.11	31	-0.97	3.44	32.63		46	0.23	A
2014	121	1.81	85	1.83	9.44	36	0.03	4.00	29.75		41	-0.03	A
2015	114	0.62	78	0.70	8.67	36	-0.30	4.00	31.58		34	-0.57	A
2016	115	0.85	74	0.45	8.22	41	1.08	4.56	35.65	0	37	-0.19	A
2017	77	-2.84	56	-1.79	6.22	21	-4.24	2.33	27.27	3	42	0.71	A
2018	111	0.36	79	0.66	8.78	32	-0.13	3.56	28.83	0	36	-0.48	A

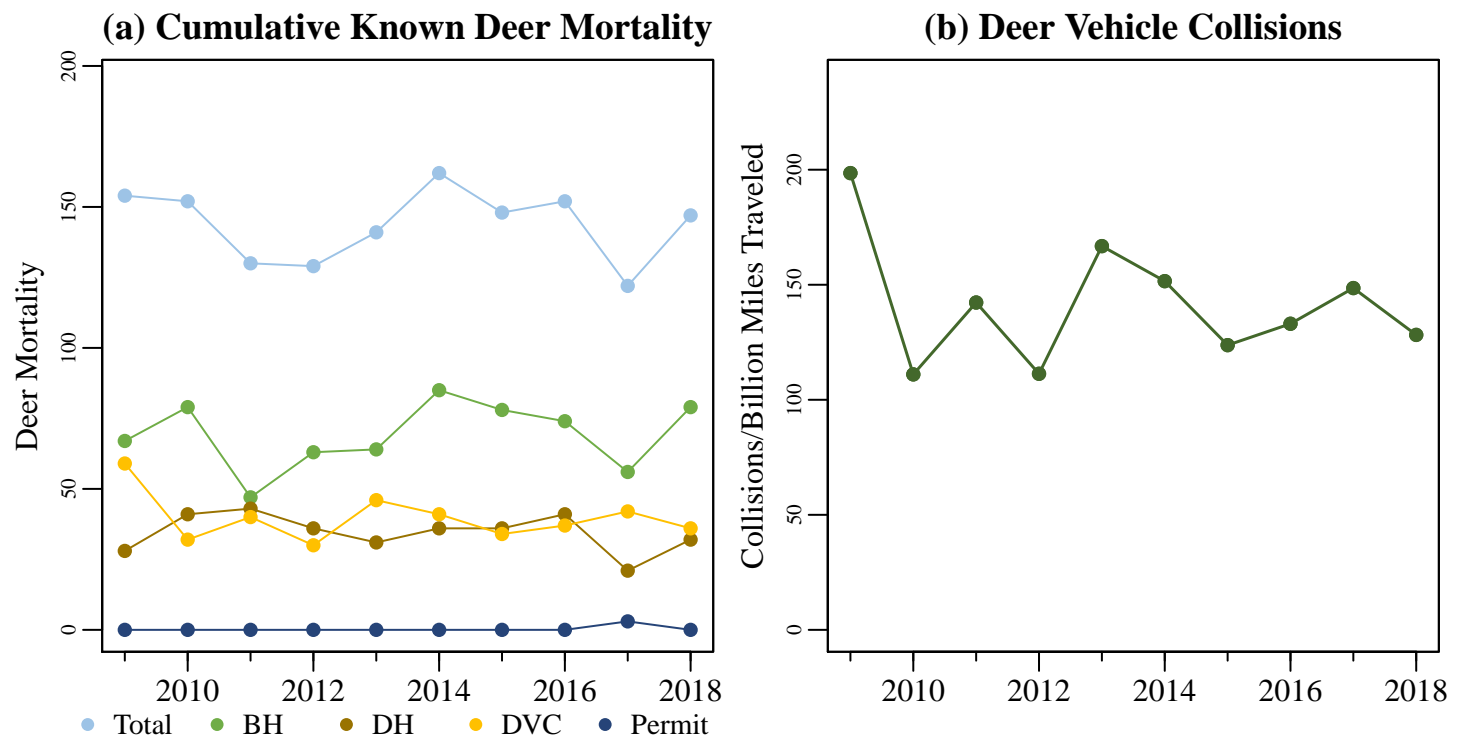


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Tipton County

6/26/2019

Total Square Miles: 260  
 Square Miles of Deer Habitat: 9  
 Percent Deer Habitat: 3

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	101	36	65	0	0	54	45	2	0	0	0	0	0	0	0	0
2016	99	29	70	0	0	56	41	2	0	0	0	0	0	0	0	0
2017	71	23	48	0	0	44	25	2	0	0	0	0	0	0	0	0
2018	96	24	72	0	0	58	37	1	0	0	0	0	0	0	0	0

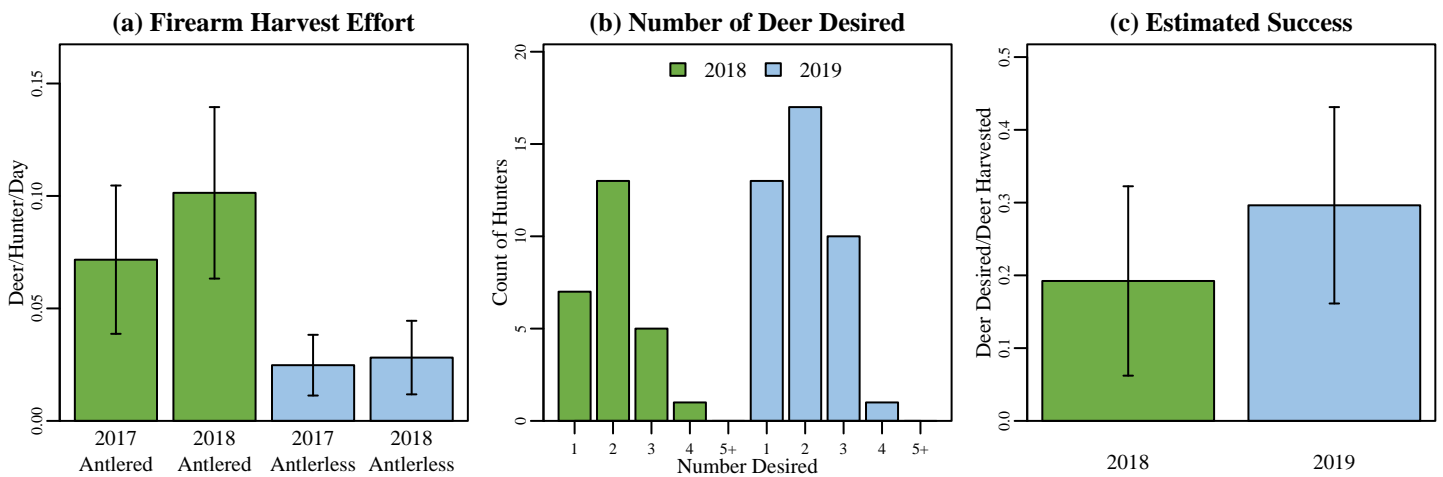


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Tipton County Map



## (b) Deer Habitat in Tipton County

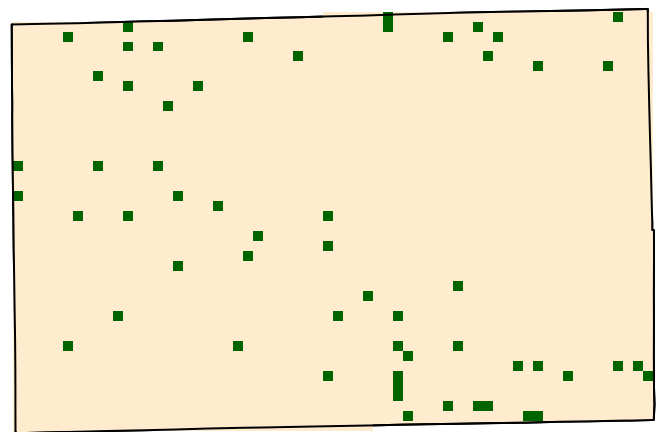


Figure 3. (a) Tipton County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Tipton County.

# Tipton County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

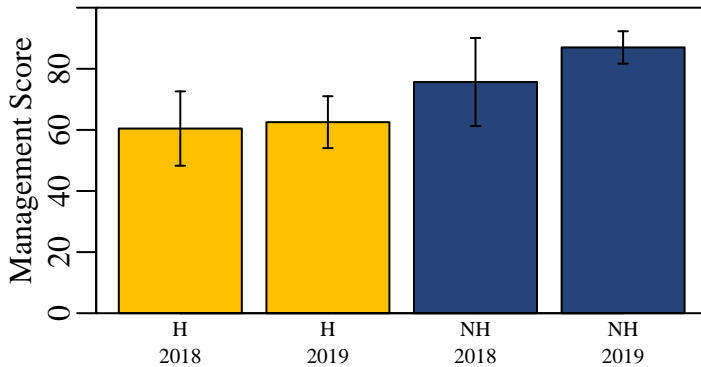


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

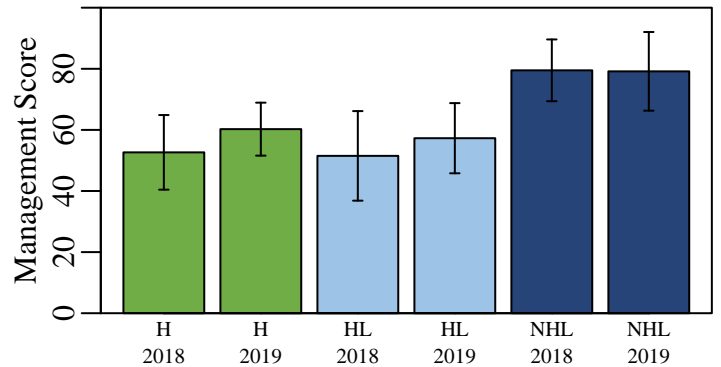


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

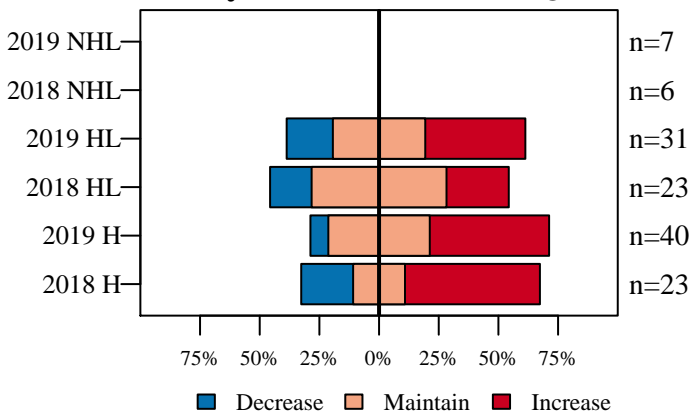


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

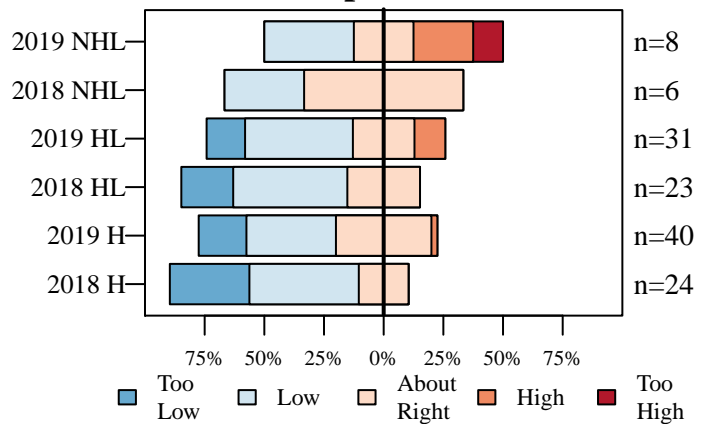


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

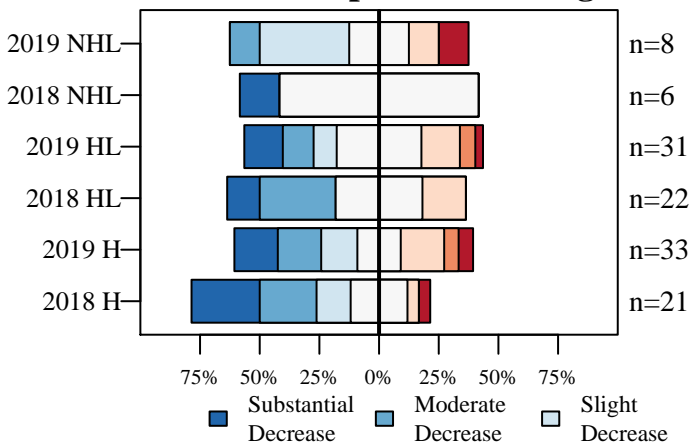


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

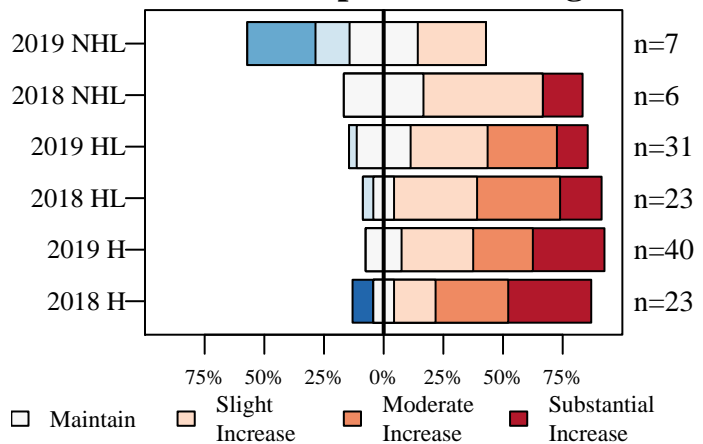


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Tipton County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

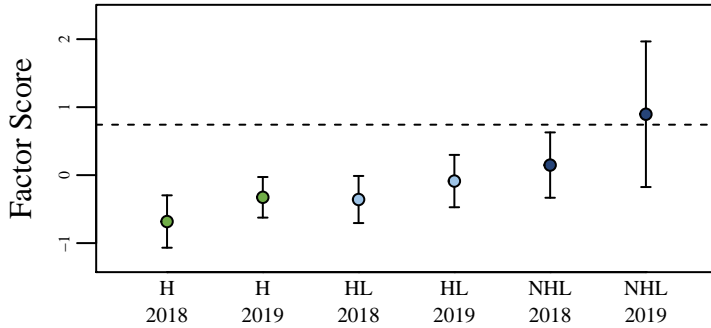


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

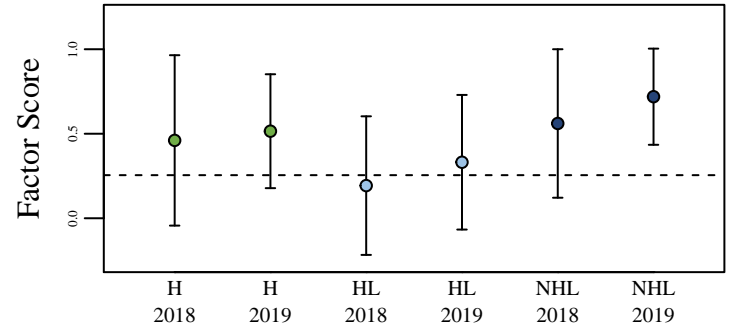


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

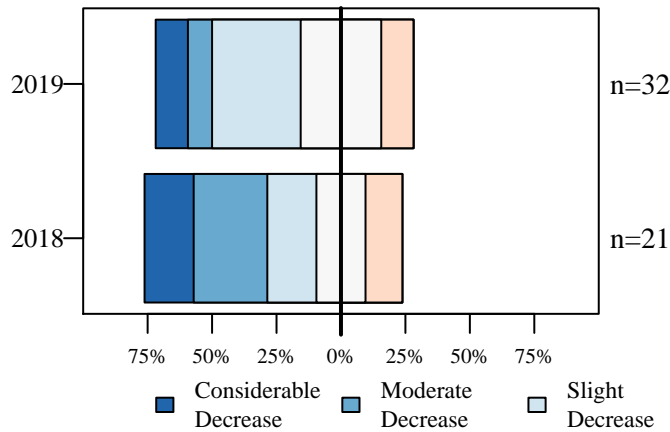


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

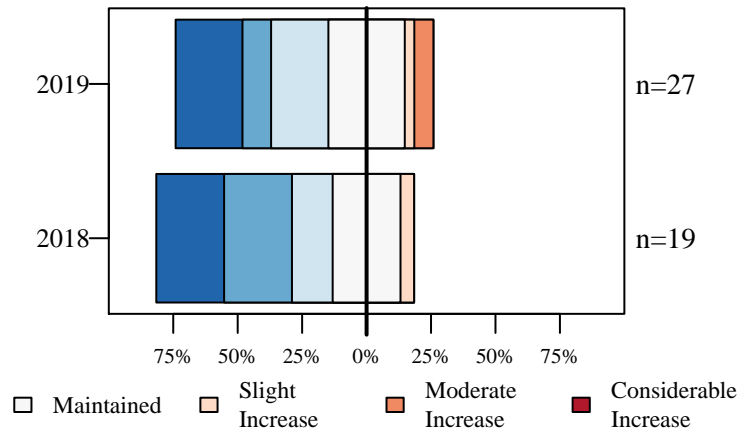


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

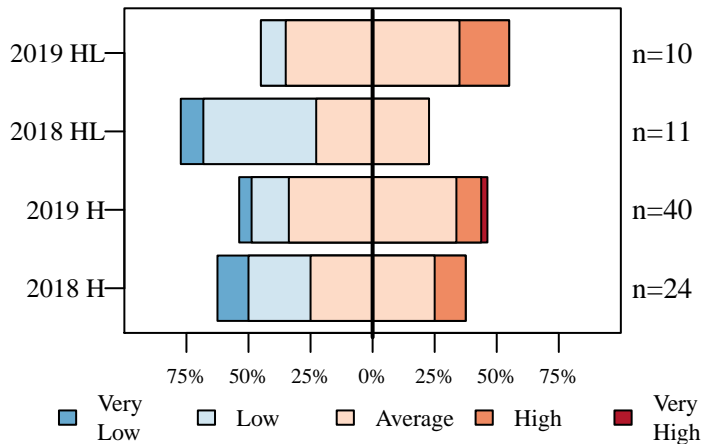


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

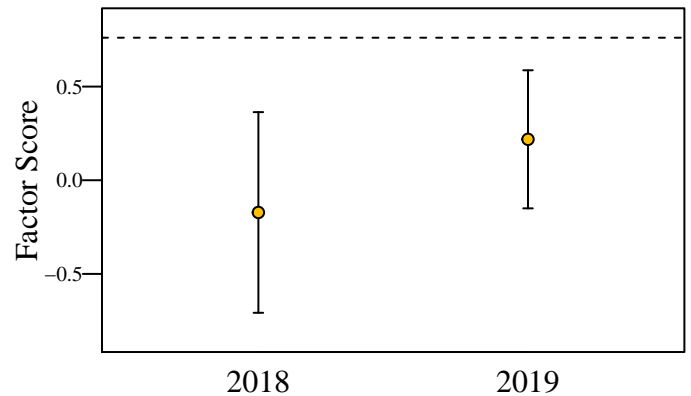


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Union County

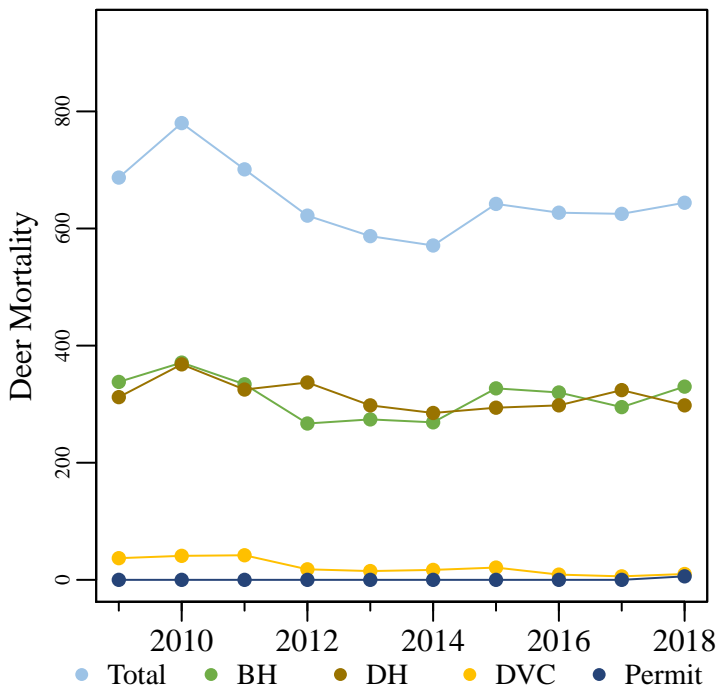
6/26/2019

Total Square Miles: 165  
 Square Miles of Deer Habitat: 47  
 Percent Deer Habitat: 28

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	514		304		6.47	210		4.47	40.86		45		2
2006	477		236		5.02	241		5.13	50.52		49		2
2007	597		285		6.06	312		6.64	52.26		68		2
2008	595		314		6.68	281		5.98	47.23		66		2
2009	650		338		7.19	312		6.64	48.00		37		2
2010	739	2.47	371	1.97	7.89	368	2.15	7.83	49.80		41	-0.89	3
2011	659	0.50	334	0.49	7.11	325	0.48	6.91	49.32		42	-0.72	3
2012	604	-0.75	267	-1.93	5.68	337	0.55	7.17	55.79		18	-2.20	3
2013	572	-1.35	274	-1.33	5.83	298	-0.83	6.34	52.10		15	-1.51	3
2014	554	-1.43	269	-1.07	5.72	285	-1.61	6.06	51.44		17	-1.04	3
2015	621	-0.06	327	0.51	6.96	294	-0.87	6.26	47.34		21	-0.41	3
2016	618	0.39	320	0.77	6.81	298	-0.44	6.34	48.22	0	9	-1.23	3
2017	619	0.85	295	0.12	6.28	324	1.08	6.89	52.34	0	6	-1.26	3
2018	628	0.99	330	1.26	7.02	298	-0.12	6.34	47.45	6	10	-0.71	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions



Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Union County

6/26/2019

Total Square Miles: 165  
 Square Miles of Deer Habitat: 47  
 Percent Deer Habitat: 28

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	485	216	268	1	0	200	228	48	9	0	0	0	0	0	0	0
2016	469	215	253	1	0	189	213	52	14	1	0	0	0	0	0	0
2017	473	247	225	1	0	165	238	58	10	2	0	0	0	0	0	0
2018	483	227	256	0	0	184	233	60	5	1	0	0	0	0	0	0

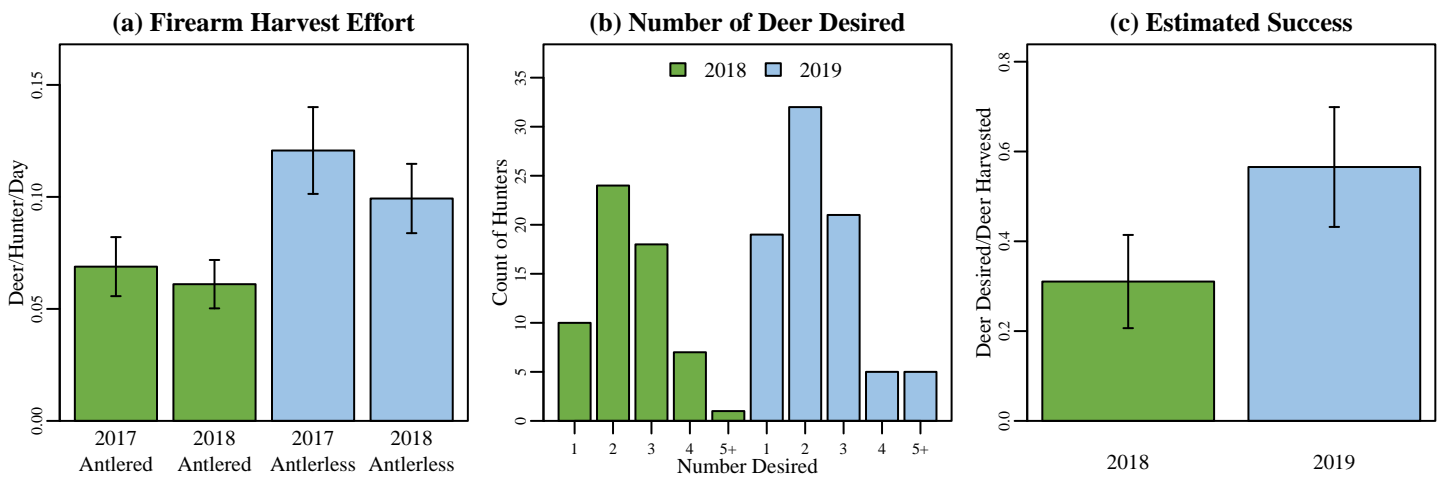
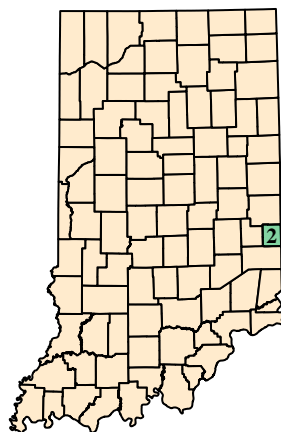


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Union County Map



## (b) Deer Habitat in Union County

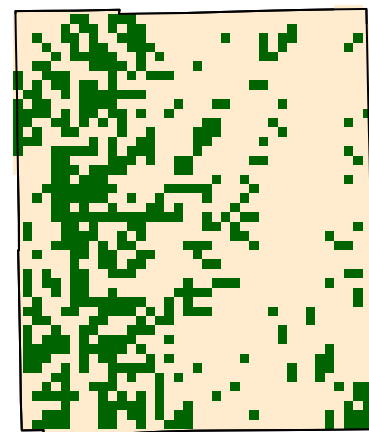


Figure 3. (a) Union County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Union County.

# Union County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

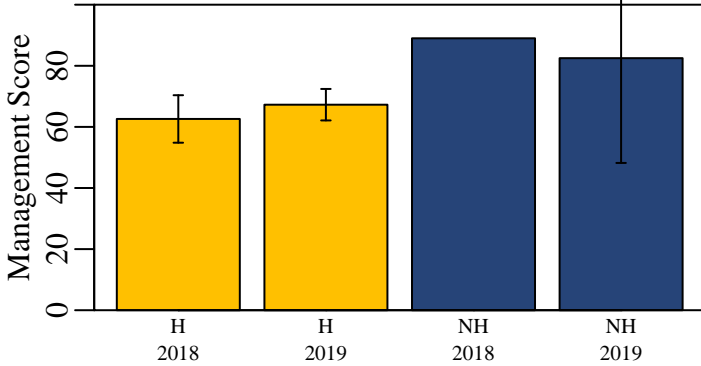


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

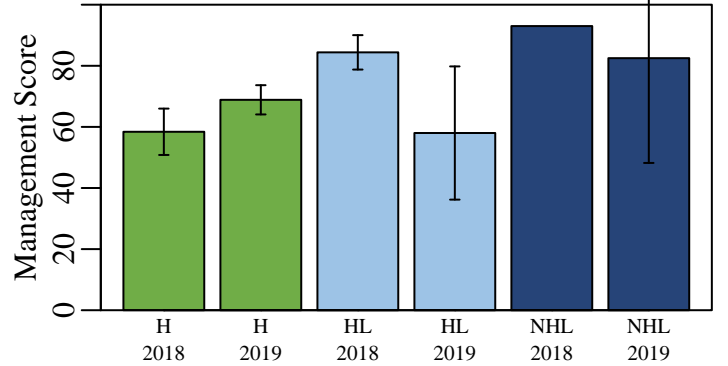


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

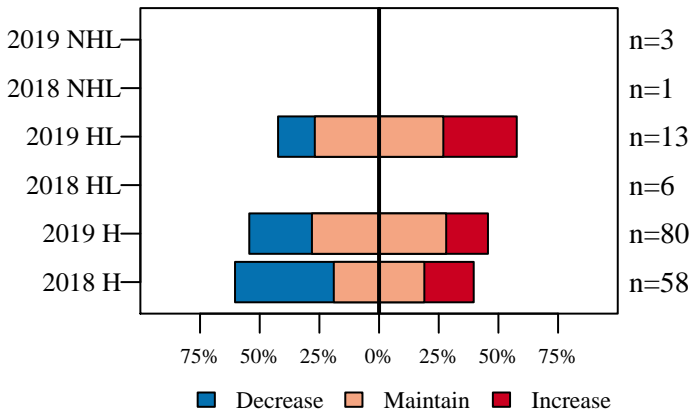


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

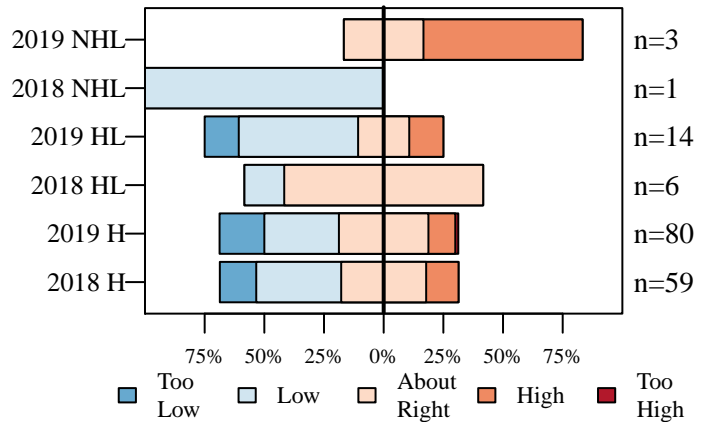


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

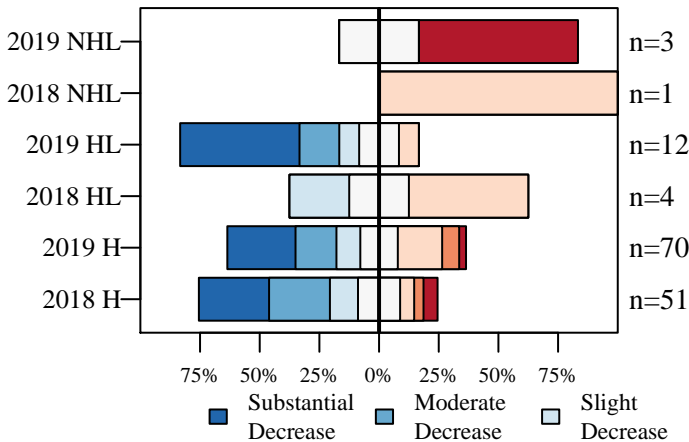


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

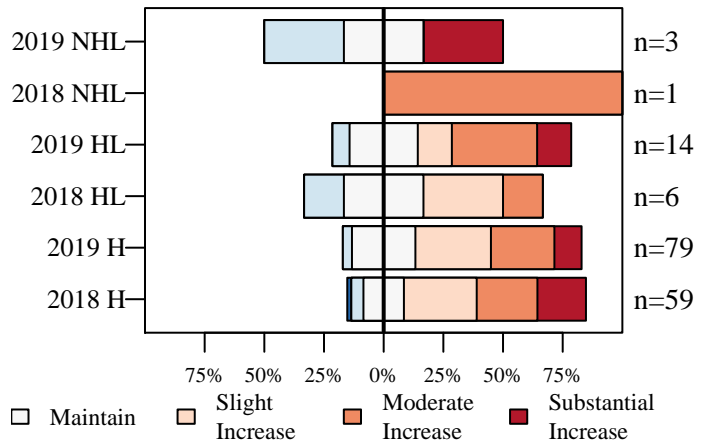


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Union County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

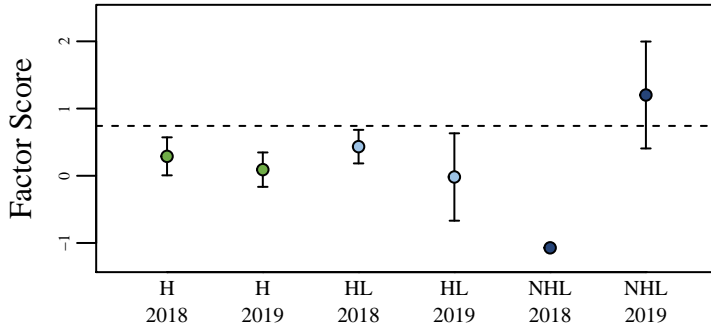


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

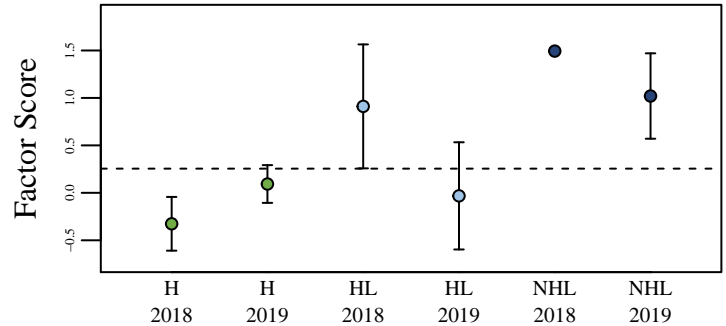


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

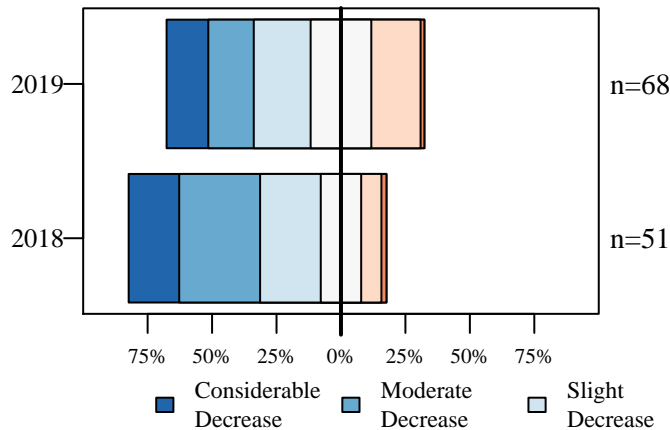


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

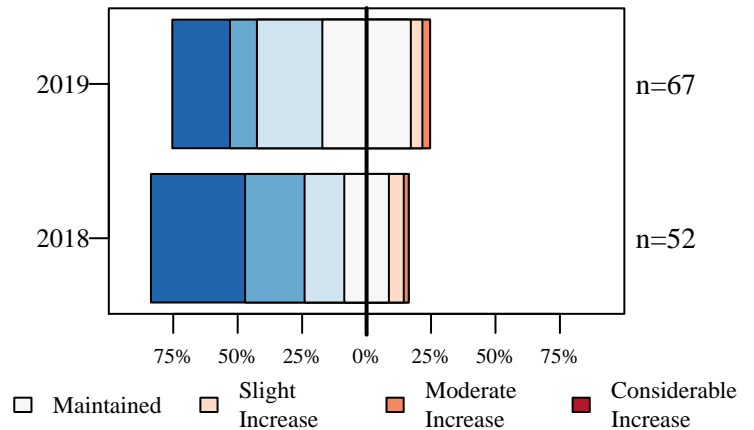


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

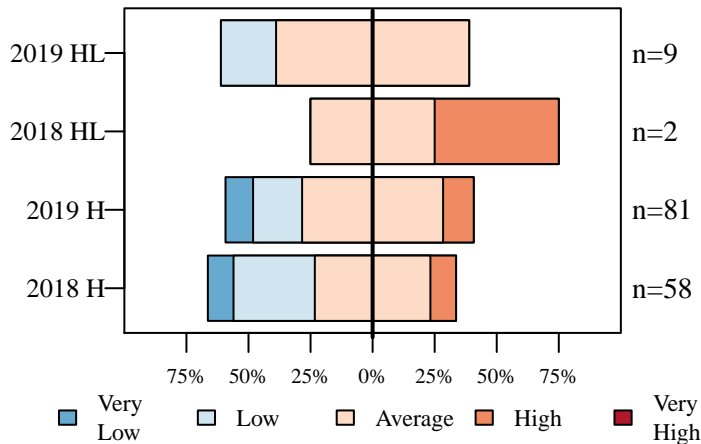


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

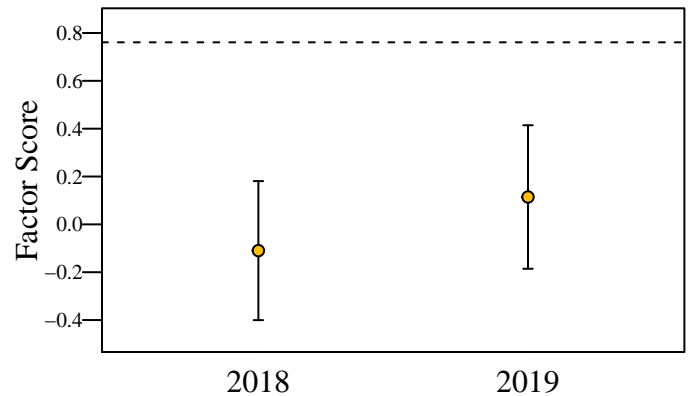


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Vanderburgh County

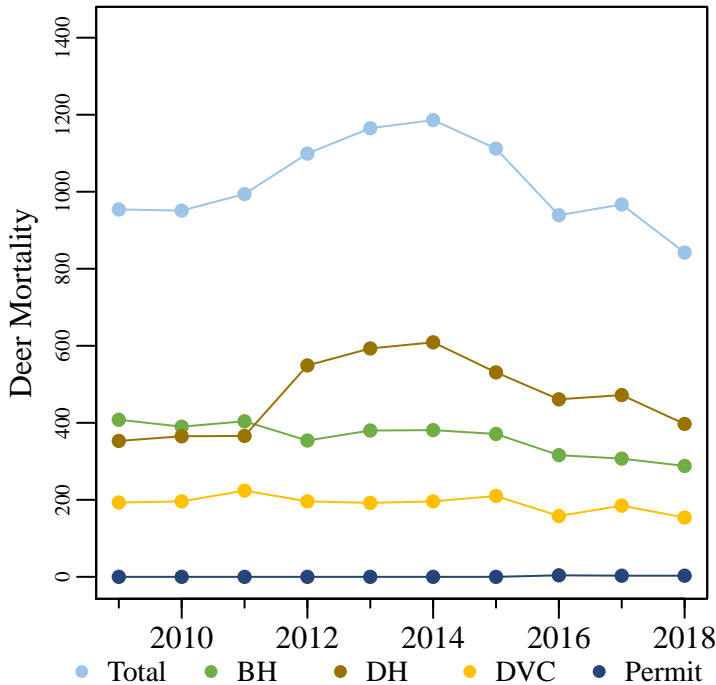
6/26/2019

Total Square Miles: 236  
 Square Miles of Deer Habitat: 70  
 Percent Deer Habitat: 30

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	787		441		6.30	346		4.94	43.96		133		8
2006	825		442		6.31	383		5.47	46.42		78		8
2007	713		404		5.77	309		4.41	43.34		157		8
2008	763		405		5.79	358		5.11	46.92		157		8
2009	761		408		5.83	353		5.04	46.39		193		8
2010	755	-0.36	390	-1.52	5.57	365	0.57	5.21	48.34		196	1.23	8
2011	770	0.16	404	-0.30	5.77	366	0.45	5.23	47.53		224	1.43	8
2012	903	6.64	354	-6.87	5.06	549	8.41	7.84	60.80		196	0.37	8
2013	973	2.89	380	-0.54	5.43	593	2.31	8.47	60.95		192	-0.05	8
2014	990	1.58	381	-0.29	5.44	609	1.41	8.70	61.52		196	-0.31	8
2015	902	0.22	371	-0.59	5.30	531	0.28	7.59	58.87		210	0.70	8
2016	777	-1.51	316	-3.42	4.51	461	-0.71	6.59	59.33	4	158	-3.43	8
2017	779	-1.55	307	-1.97	4.39	472	-1.31	6.74	60.59	3	185	-0.50	4
2018	685	-1.95	288	-1.73	4.11	397	-2.01	5.67	57.96	3	154	-1.96	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

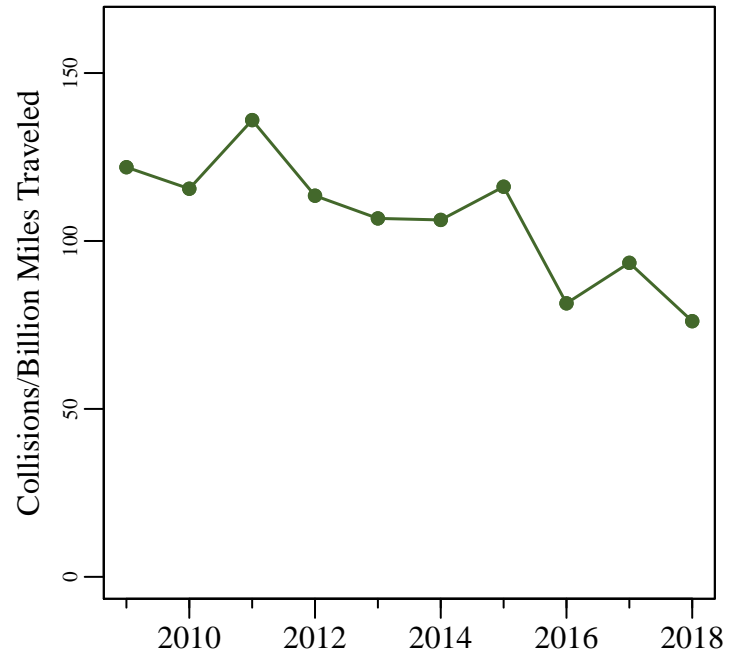


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Vanderburgh County

6/26/2019

Total Square Miles: 236  
 Square Miles of Deer Habitat: 70  
 Percent Deer Habitat: 30

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	627	346	274	7	0	150	378	73	16	9	0	1	0	0	0	0
2016	555	309	237	9	0	148	324	58	19	5	1	0	0	0	0	0
2017	539	317	216	6	0	121	321	72	17	6	1	1	0	0	0	0
2018	500	273	221	6	0	136	294	57	10	2	0	1	0	0	0	0

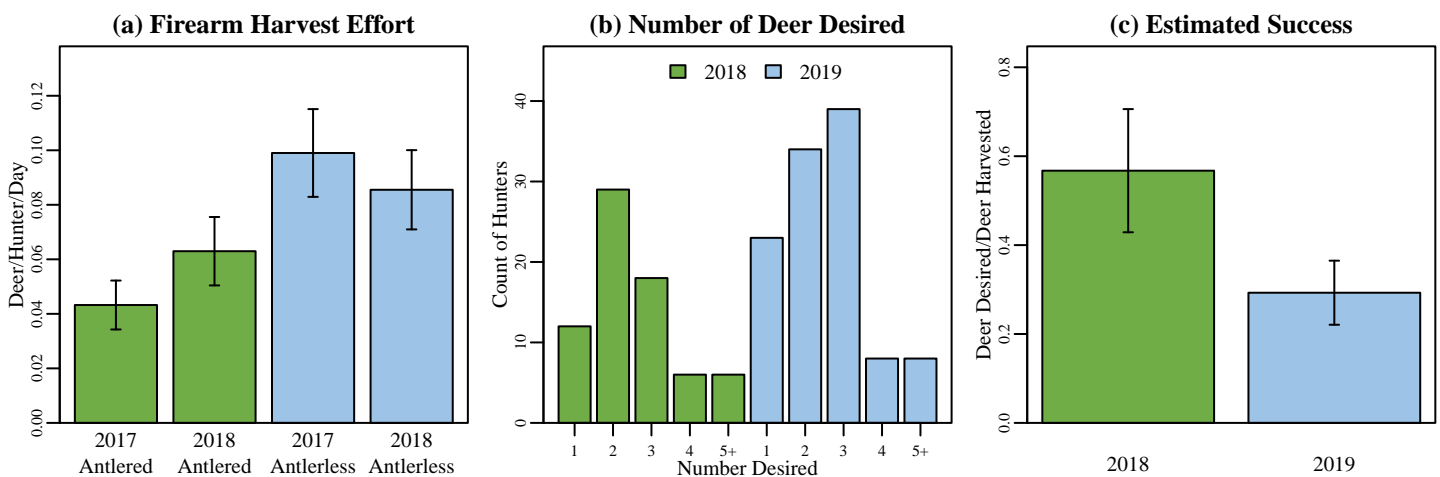
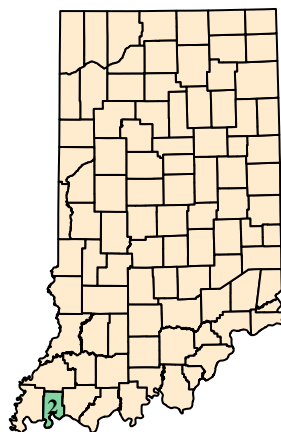


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

(a) Vanderburgh County Map



(b) Deer Habitat in Vanderburgh County

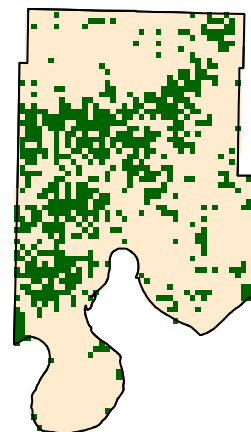


Figure 3. (a) Vanderburgh County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Vanderburgh County.

# Vanderburgh County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

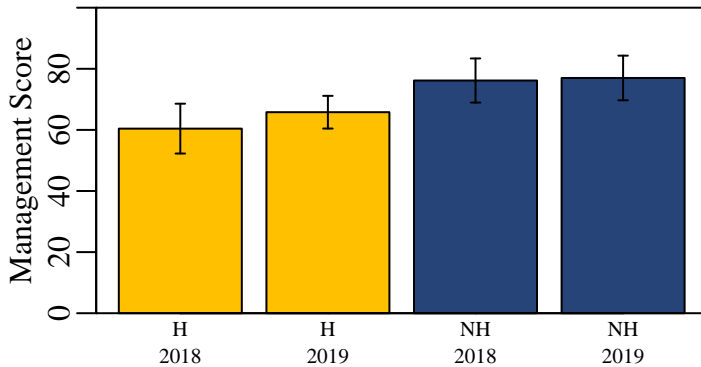


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

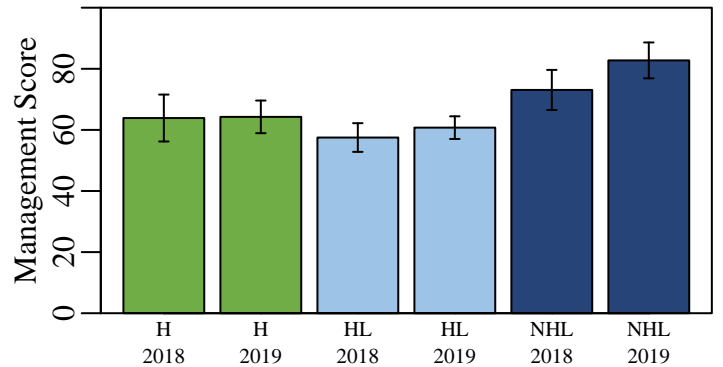


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

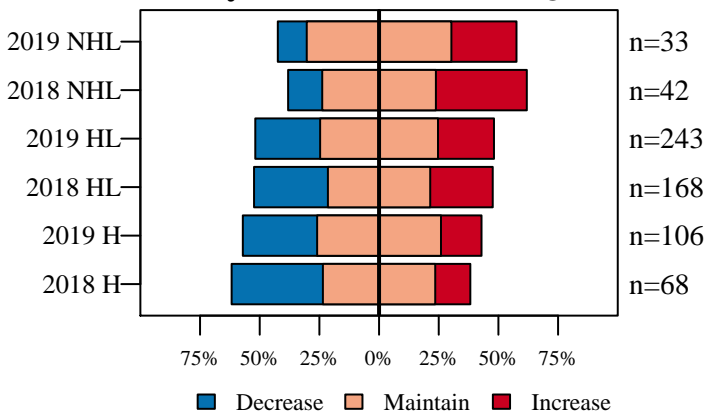


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

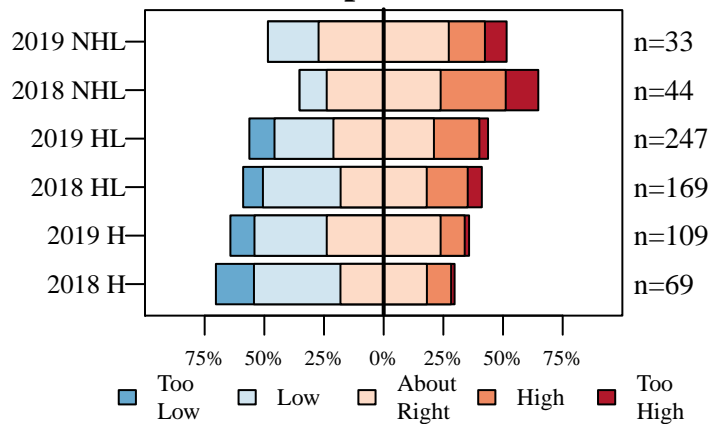


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

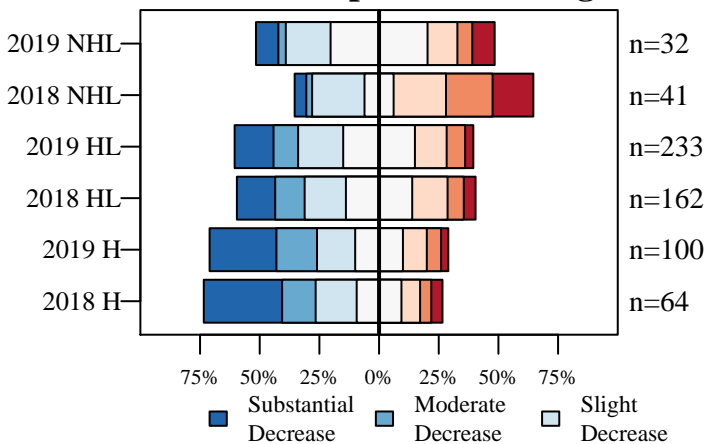


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

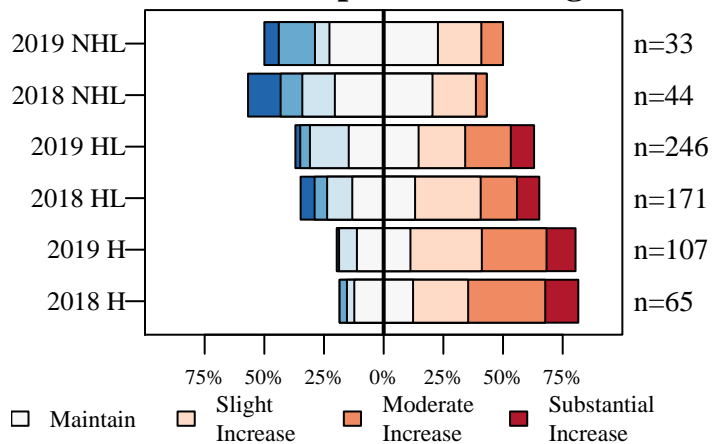


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Vanderburgh County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

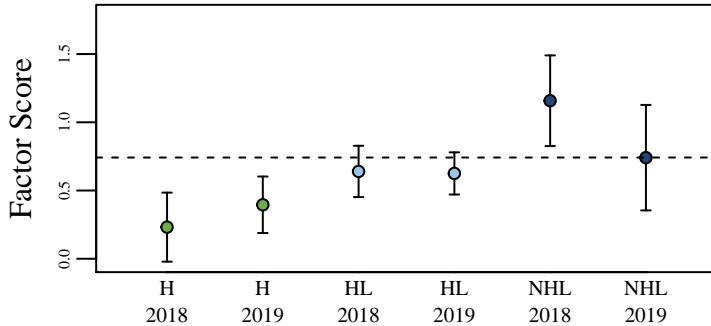


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

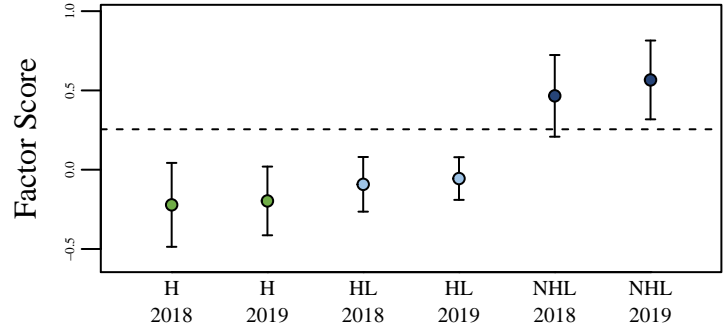


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

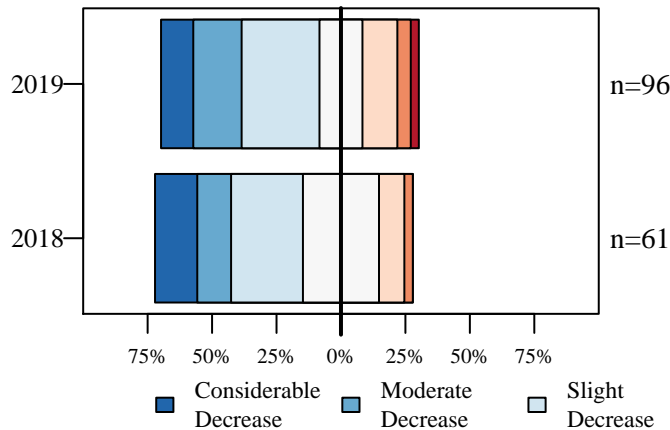


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

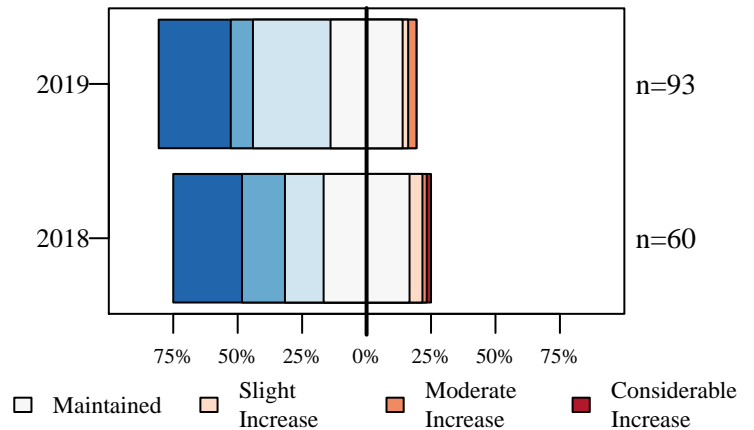


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

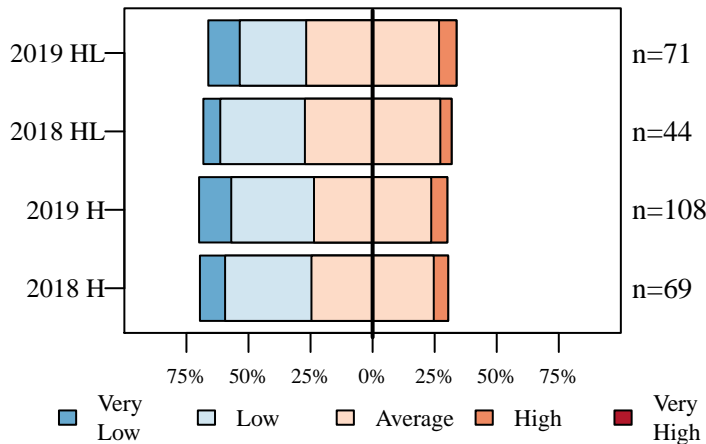


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

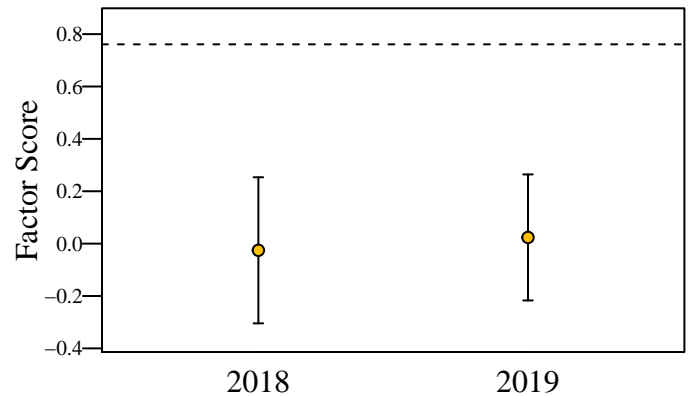


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Vermillion County

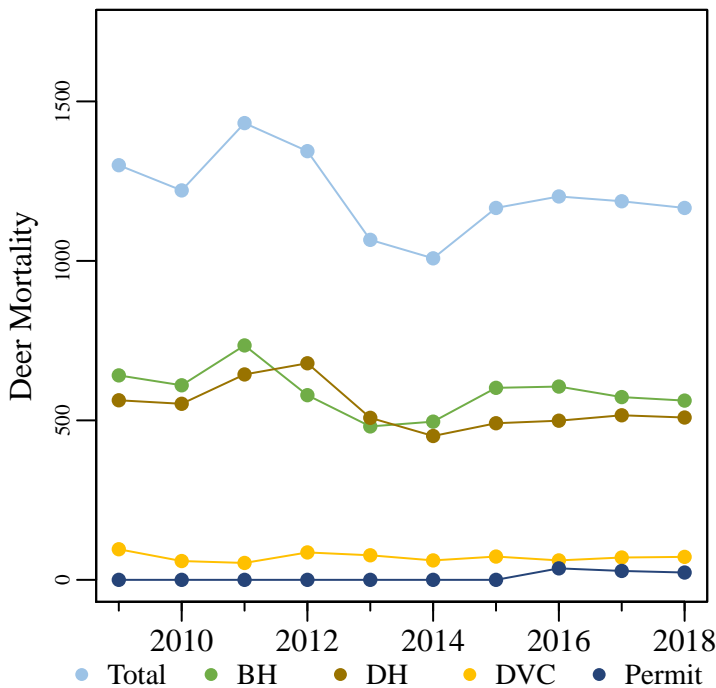
6/26/2019

Total Square Miles: 260  
 Square Miles of Deer Habitat: 89  
 Percent Deer Habitat: 34

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	970		517		5.81	453		5.09	46.70		61		3
2006	1,022		548		6.16	474		5.33	46.38		81		4
2007	1,014		558		6.27	456		5.12	44.97		83		4
2008	1,188		633		7.11	555		6.24	46.72		86		8
2009	1,204		641		7.20	563		6.33	46.76		96		8
2010	1,162	0.76	610	0.56	6.85	552	0.95	6.20	47.50		59	-1.75	8
2011	1,379	2.82	735	3.20	8.26	644	2.44	7.24	46.70		53	-2.06	8
2012	1,258	0.53	579	-0.88	6.51	679	1.87	7.63	53.97		86	0.57	8
2013	989	-2.89	481	-2.71	5.40	508	-1.54	5.71	51.37		77	0.05	8
2014	947	-1.76	496	-1.22	5.57	451	-1.97	5.07	47.62		61	-0.73	4
2015	1,093	-0.30	602	0.21	6.76	491	-0.80	5.52	44.92		73	0.42	4
2016	1,105	-0.15	606	0.27	6.81	499	-0.55	5.61	45.16	36	61	-0.69	4
2017	1,089	0.09	573	0.34	6.44	516	-0.11	5.80	47.38	28	70	0.12	4
2018	1,071	0.37	562	0.18	6.31	509	0.63	5.72	47.53	23	72	0.29	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

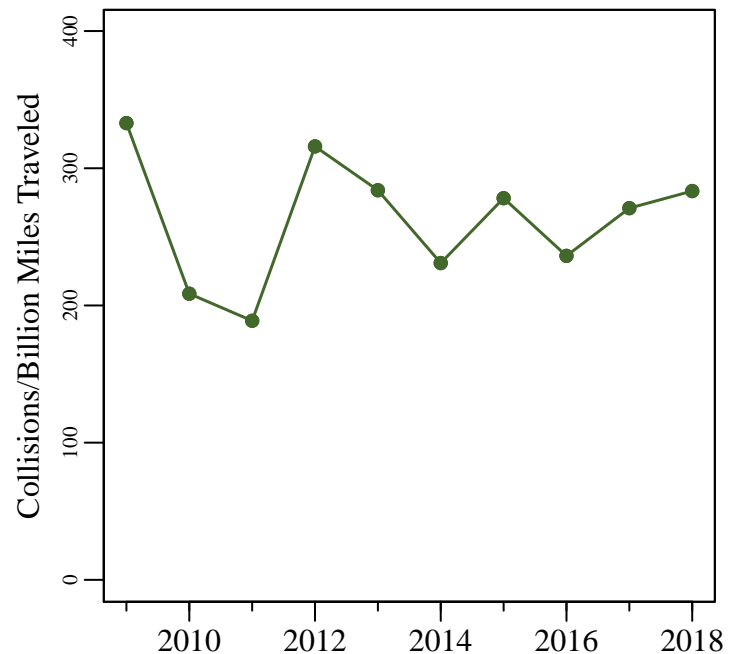


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Vermillion County

6/26/2019

Total Square Miles: 260  
 Square Miles of Deer Habitat: 89  
 Percent Deer Habitat: 34

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	772	276	493	3	0	342	309	86	28	6	1	0	0	0	0	0
2016	790	276	512	2	0	360	304	102	15	9	0	0	0	0	0	0
2017	776	292	480	4	0	331	328	92	13	11	0	1	0	0	0	0
2018	727	262	464	1	0	306	283	102	28	7	0	1	0	0	0	0

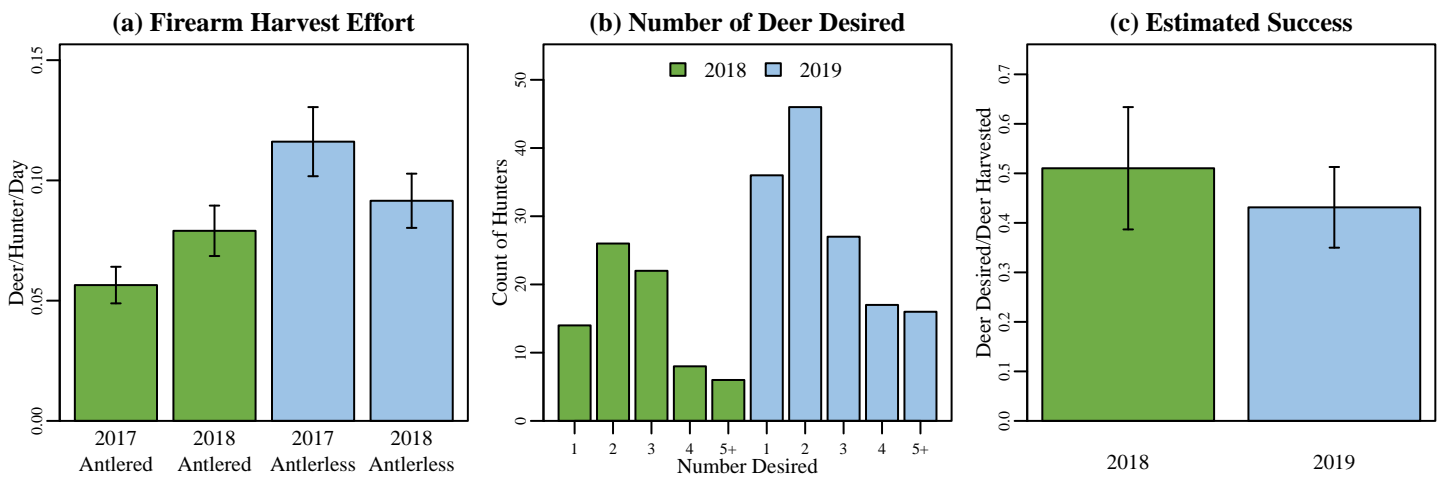
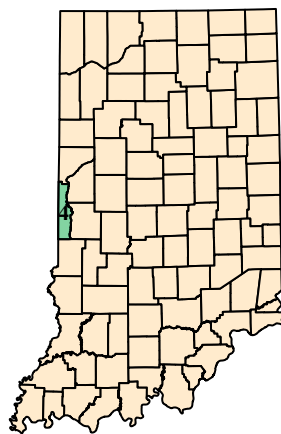


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Vermillion County Map



## (b) Deer Habitat in Vermillion County

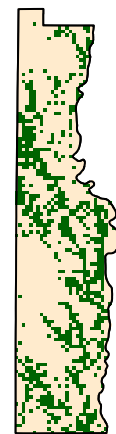


Figure 3. (a) Vermillion County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Vermillion County.

# Vermillion County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

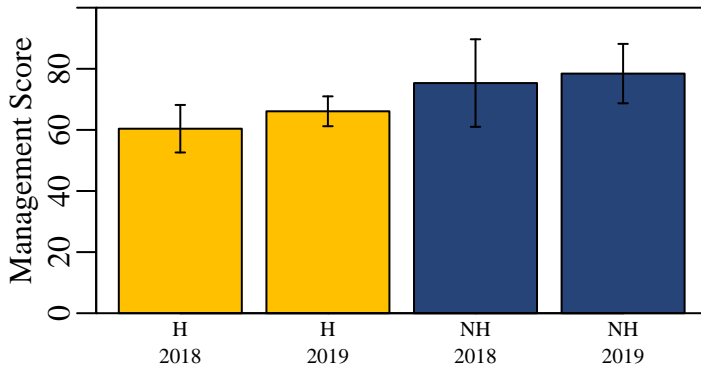


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

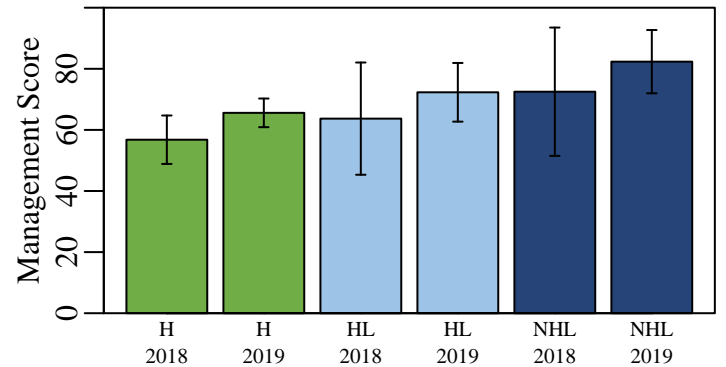


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

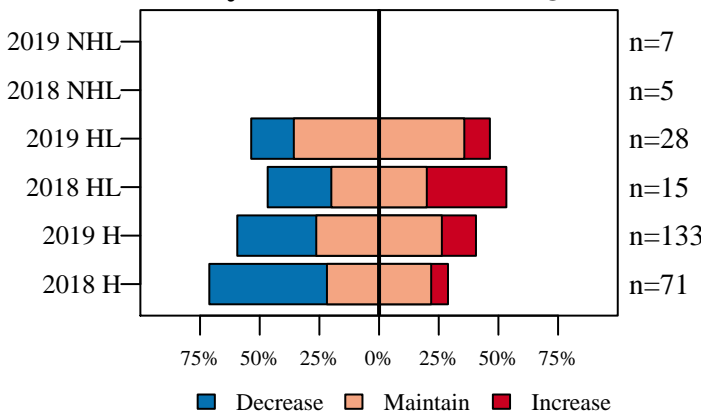


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

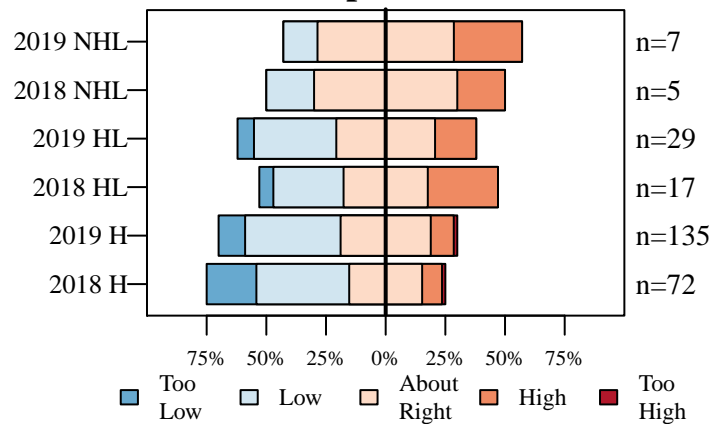


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

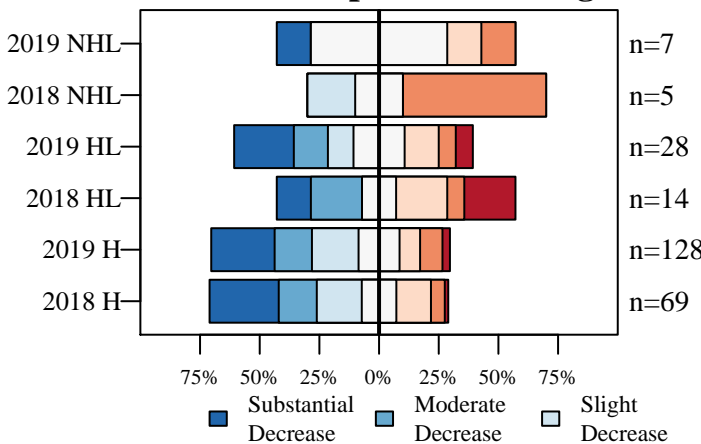


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

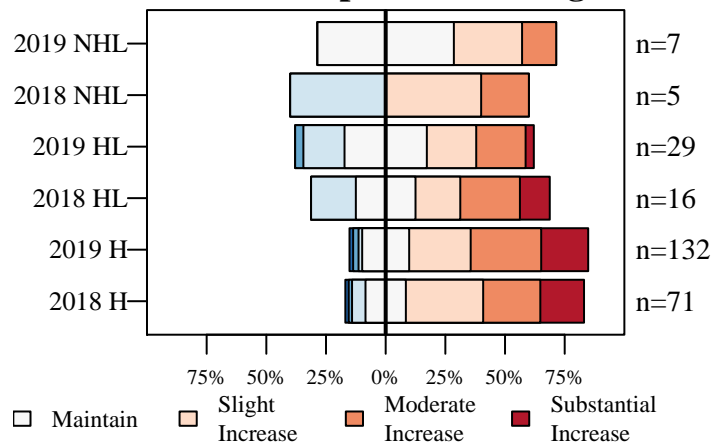


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Vermillion County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

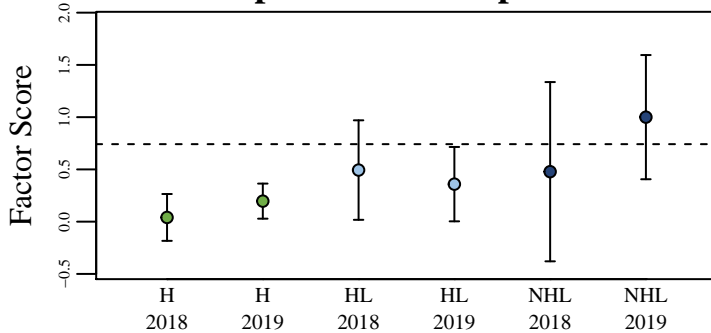


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

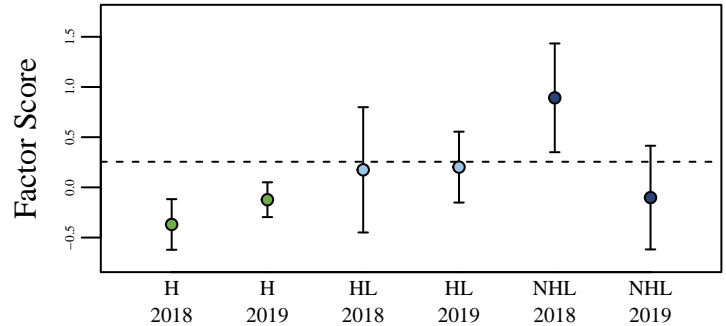


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

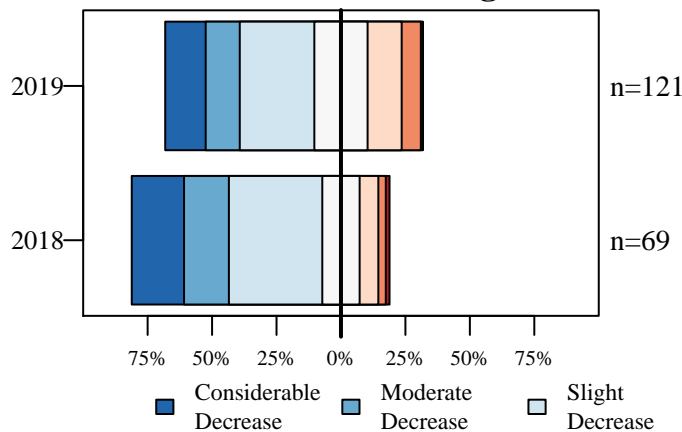


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

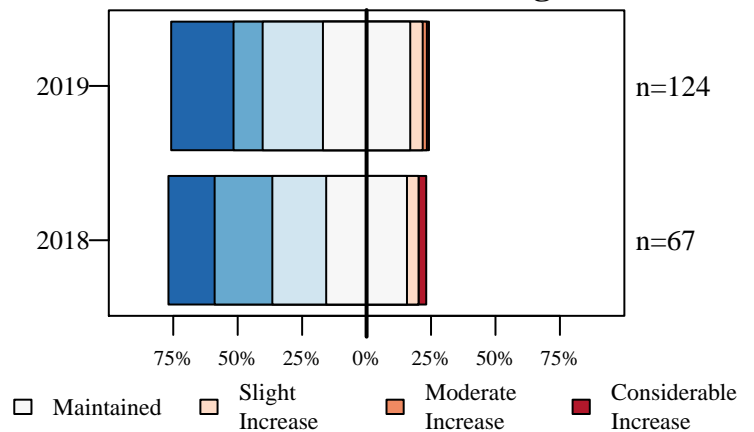


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

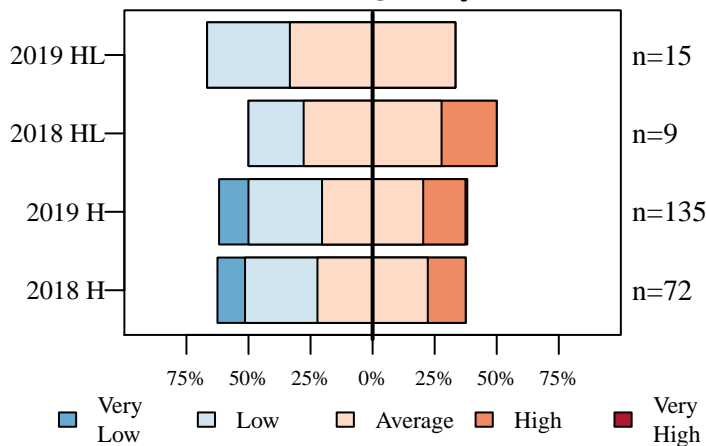


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

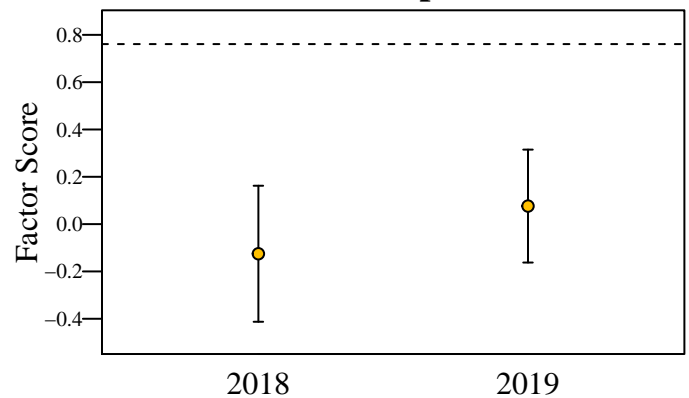


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Vigo County

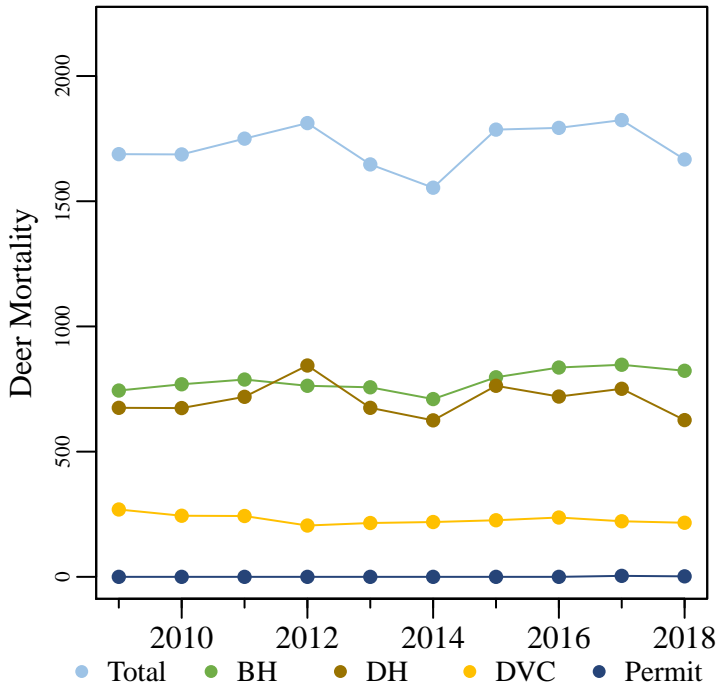
6/26/2019

Total Square Miles: 410  
 Square Miles of Deer Habitat: 154  
 Percent Deer Habitat: 37

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,349		772		5.01	577		3.75	42.77		317		3
2006	1,382		762		4.95	620		4.03	44.86		295		4
2007	1,327		744		4.83	583		3.79	43.93		328		4
2008	1,439		781		5.07	658		4.27	45.73		277		8
2009	1,419		744		4.83	675		4.38	47.57		269		8
2010	1,443	1.28	769	0.51	4.99	674	1.18	4.38	46.71		244	-2.11	8
2011	1,507	2.17	788	1.74	5.12	719	1.94	4.67	47.71		243	-1.26	8
2012	1,607	2.77	763	-0.11	4.95	844	3.68	5.48	52.52		205	-1.94	8
2013	1,432	-0.66	757	-0.70	4.92	675	-0.51	4.38	47.14		215	-1.16	8
2014	1,335	-1.88	710	-3.34	4.61	625	-1.26	4.06	46.82		219	-0.64	8
2015	1,560	0.95	797	1.37	5.18	763	0.67	4.95	48.91		226	0.05	8
2016	1,556	0.63	836	2.15	5.43	720	-0.06	4.68	46.27	0	237	1.09	8
2017	1,598	0.89	847	1.58	5.50	751	0.31	4.88	47.00	4	222	-0.15	4
2018	1,449	-0.43	823	0.59	5.34	626	-1.42	4.06	43.20	2	216	-0.61	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

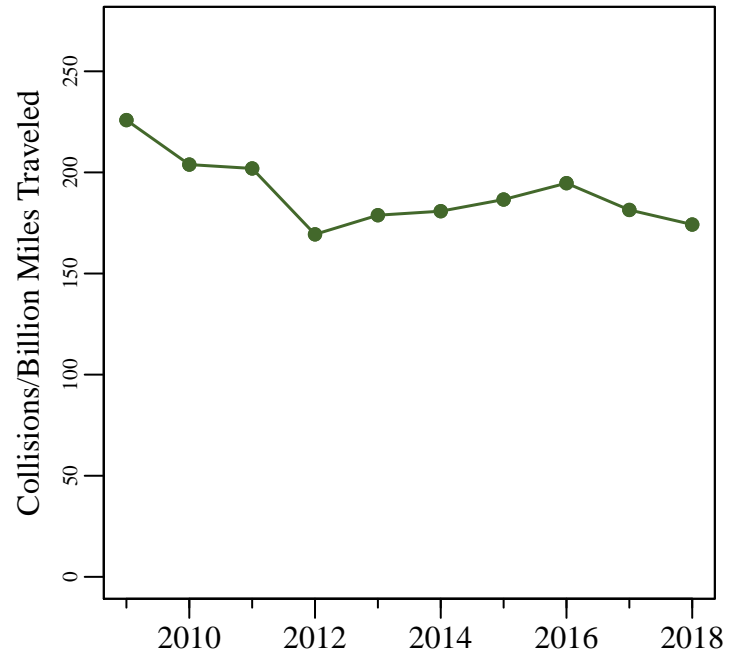


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Vigo County

6/26/2019

Total Square Miles: 410  
 Square Miles of Deer Habitat: 154  
 Percent Deer Habitat: 37

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,139	503	634	2	0	492	455	147	23	13	5	2	1	1	0	0
2016	1,181	484	693	4	0	525	502	120	25	7	2	0	0	0	0	0
2017	1,187	520	659	6	2	505	489	158	27	6	1	1	0	0	0	0
2018	1,136	446	687	2	1	532	473	112	18	1	0	0	0	0	0	0

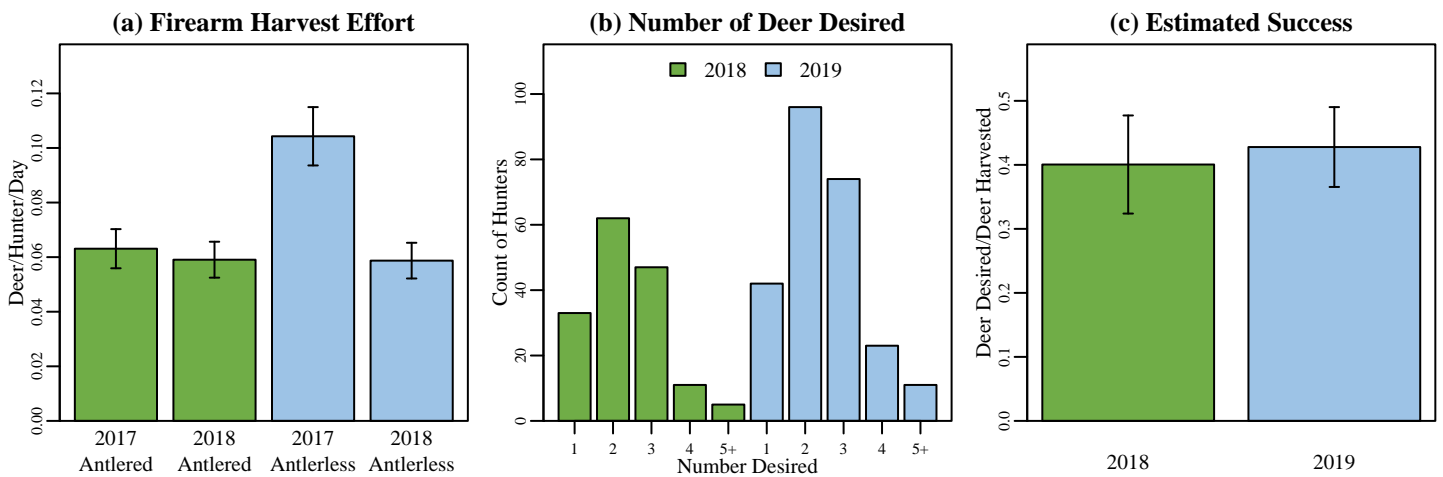
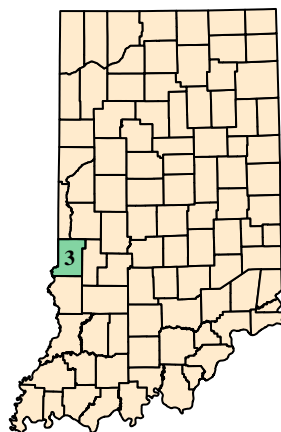


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

(a) Vigo County Map



(b) Deer Habitat in Vigo County

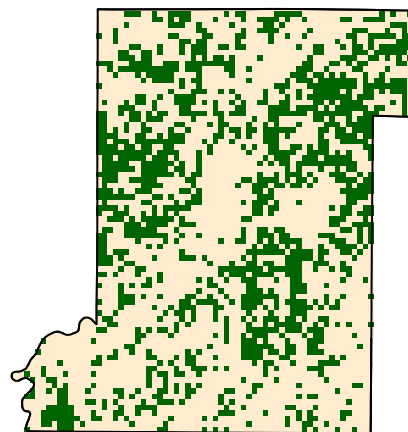


Figure 3. (a) Vigo County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Vigo County.

# Vigo County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

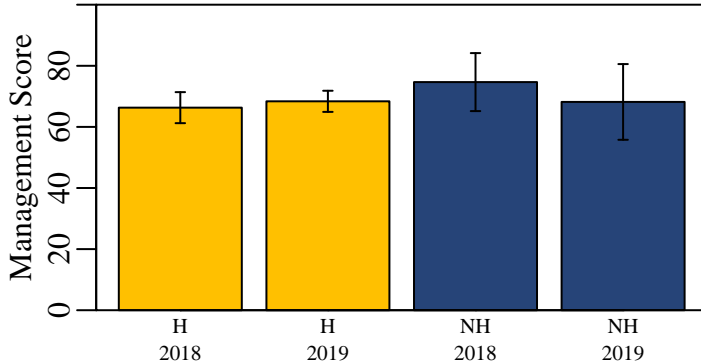


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

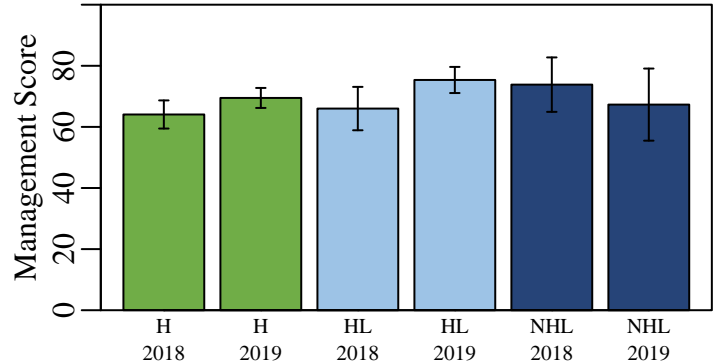


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

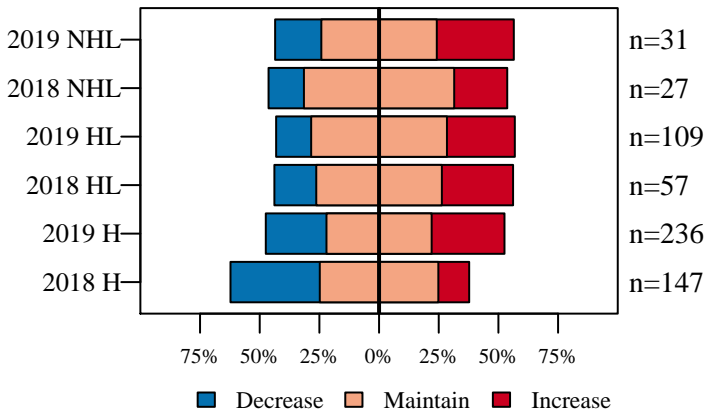


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

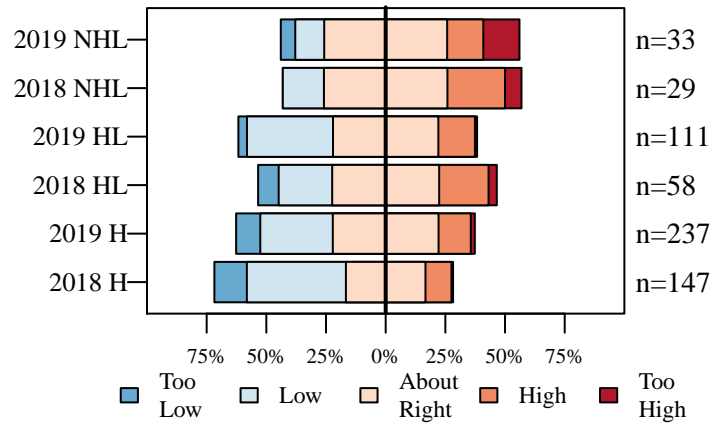


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

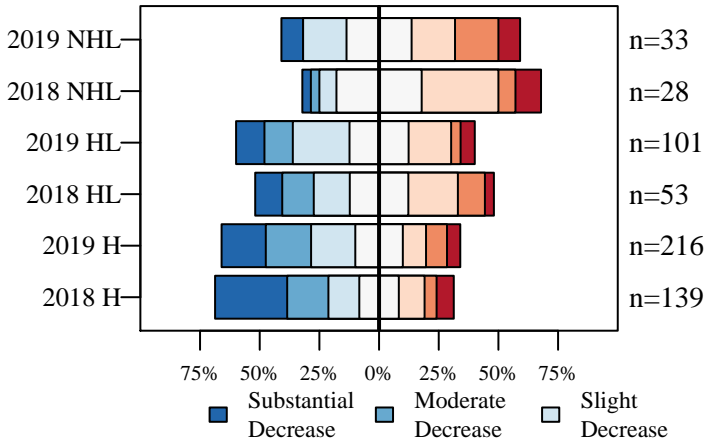


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

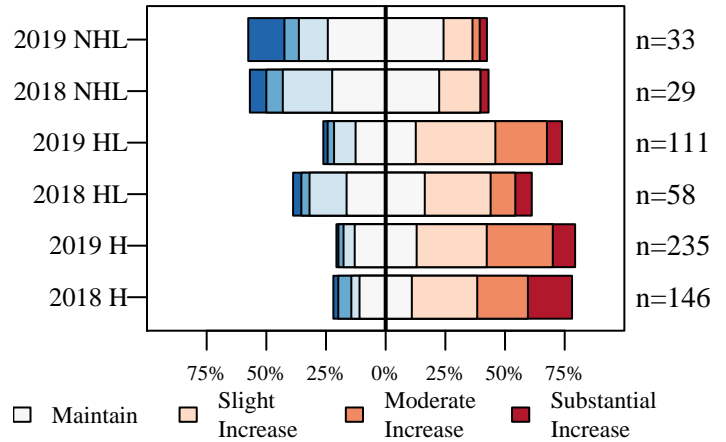


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Vigo County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

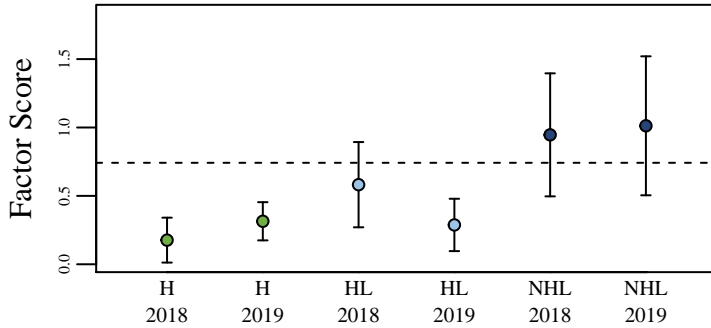


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

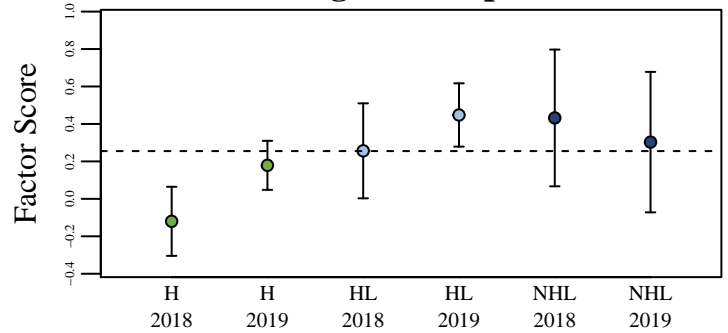


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

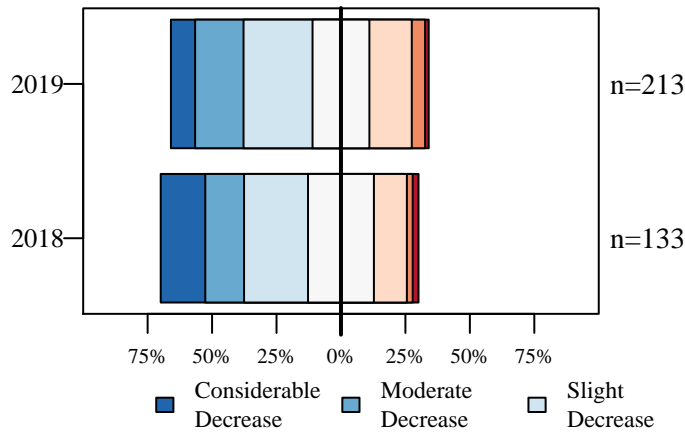


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

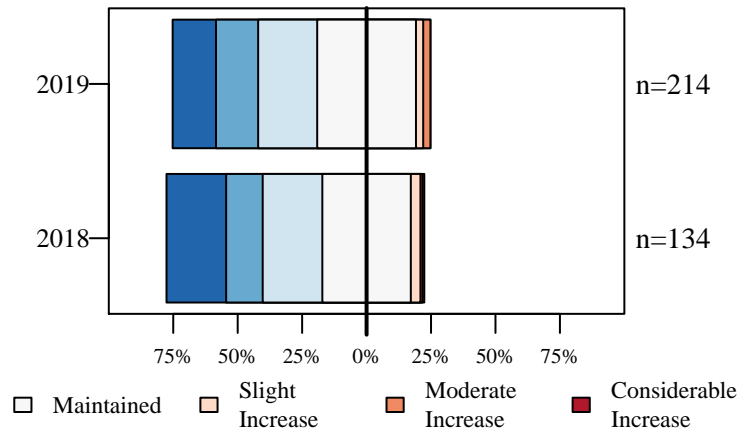


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

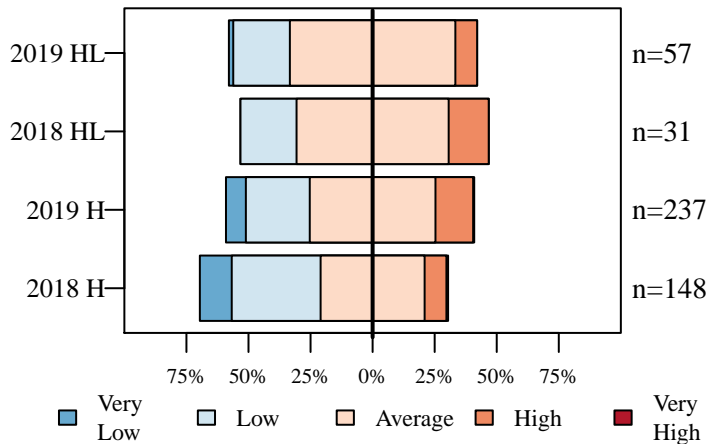


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

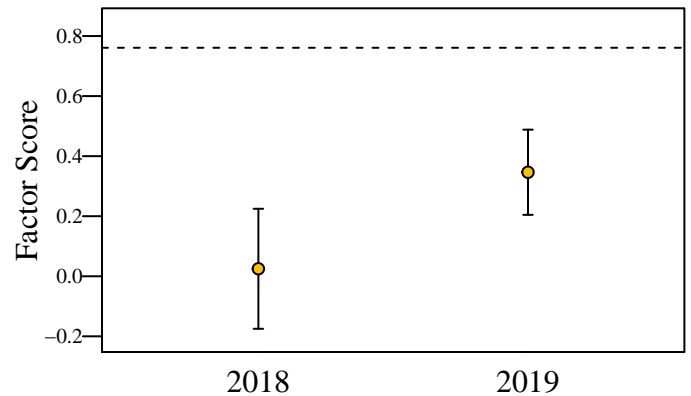


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Wabash County

6/26/2019

Total Square Miles: 421  
 Square Miles of Deer Habitat: 69  
 Percent Deer Habitat: 16

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,353		721		10.45	632		9.16	46.71		219		1
2006	1,339		726		10.52	613		8.88	45.78		226		1
2007	1,689		864		12.52	825		11.96	48.85		242		2
2008	1,725		885		12.83	840		12.17	48.70		269		2
2009	1,729		834		12.09	895		12.97	51.76		256		3
2010	1,773	1.02	913	1.38	13.23	860	0.77	12.46	48.51		245	0.13	3
2011	1,798	0.83	871	0.37	12.62	927	1.08	13.43	51.56		254	0.40	4
2012	1,696	-1.09	747	-4.37	10.83	949	1.92	13.75	55.96		192	-5.76	4
2013	1,183	-13.77	608	-3.77	8.81	575	-7.06	8.33	48.61		213	-1.01	3
2014	1,338	-1.16	696	-0.82	10.09	642	-1.31	9.30	47.98		223	-0.32	3
2015	1,330	-0.82	718	-0.39	10.41	612	-1.04	8.87	46.02		208	-0.70	3
2016	1,237	-0.88	722	-0.06	10.46	515	-1.24	7.46	41.63	0	190	-1.22	3
2017	1,093	-1.32	596	-1.91	8.64	497	-0.96	7.20	45.47	4	177	-1.54	2
2018	1,174	-0.60	669	0.02	9.70	505	-1.02	7.32	43.02	2	182	-1.02	2

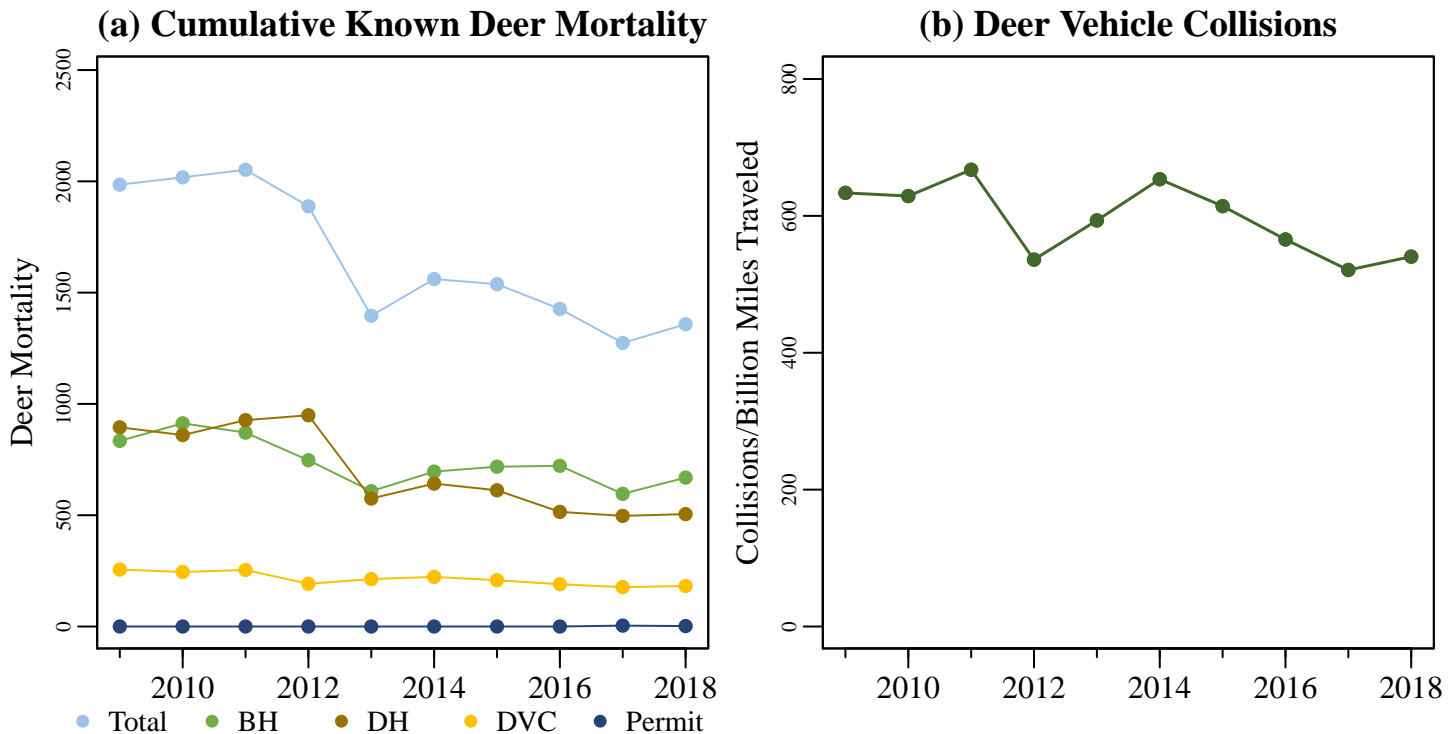


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Wabash County

6/26/2019

Total Square Miles: 421  
 Square Miles of Deer Habitat: 69  
 Percent Deer Habitat: 16

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,050	457	589	4	0	442	502	89	15	2	0	0	0	0	0	0
2016	1,019	401	616	2	0	502	432	72	11	2	0	0	0	0	0	0
2017	888	409	476	3	0	373	428	79	7	1	0	0	0	0	0	0
2018	923	369	551	3	0	412	414	88	9	0	0	0	0	0	0	0

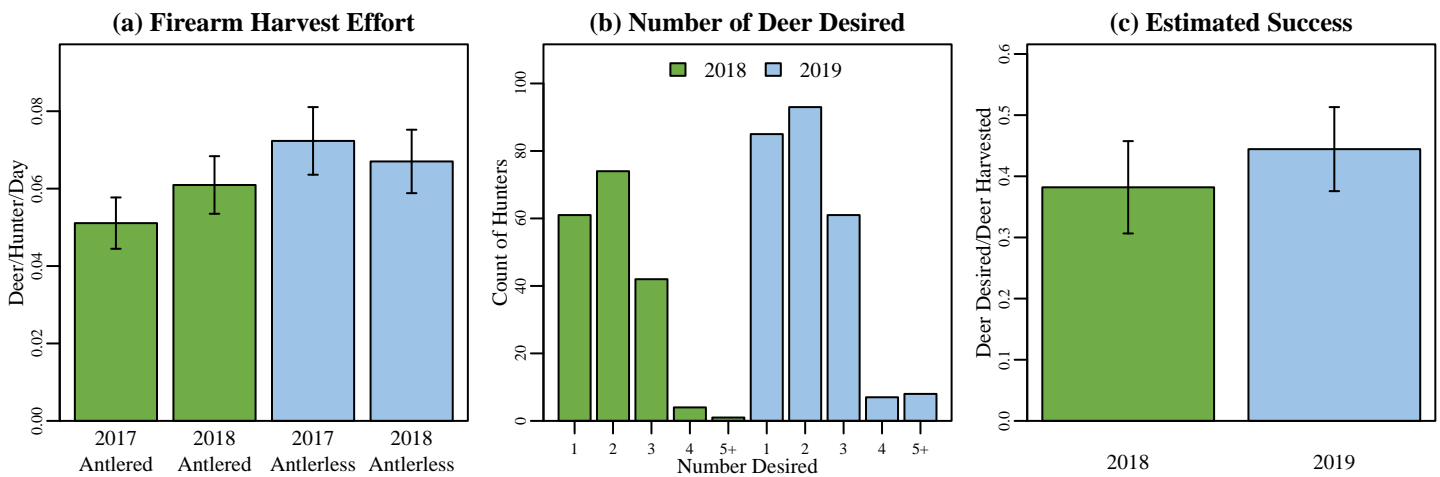
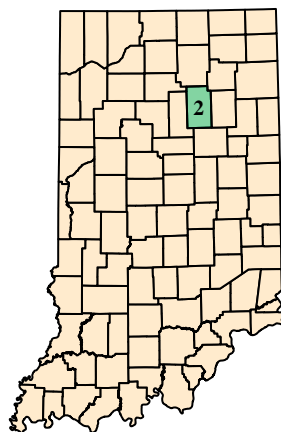


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Wabash County Map



## (b) Deer Habitat in Wabash County

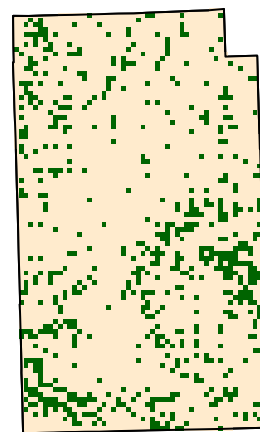


Figure 3. (a) Wabash County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Wabash County.

# Wabash County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

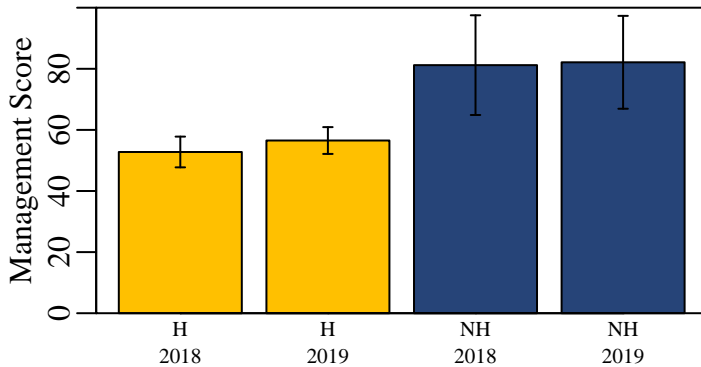


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

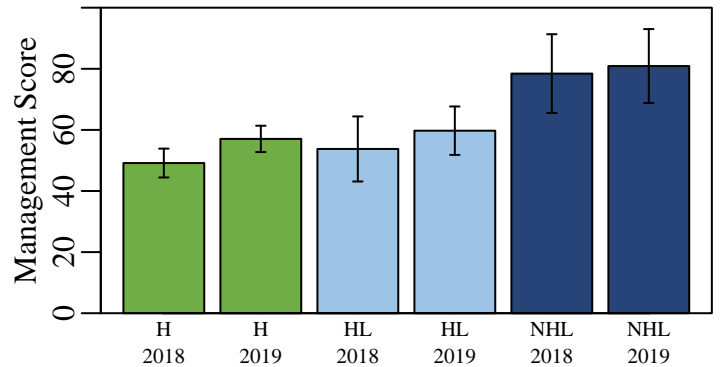


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

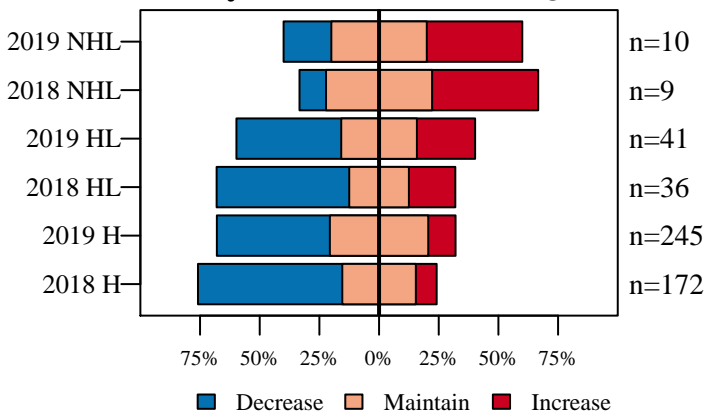


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

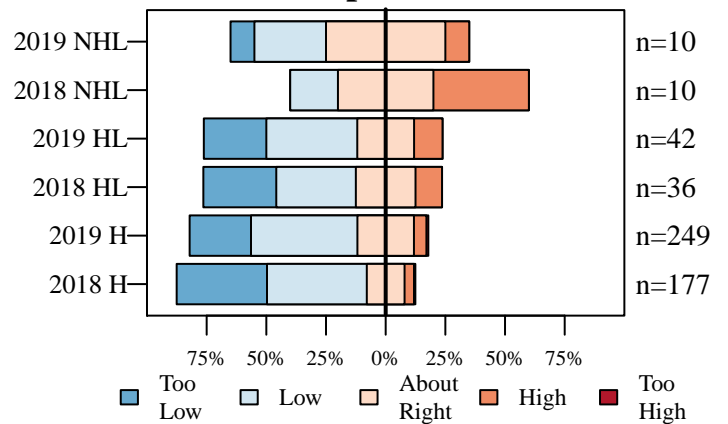


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

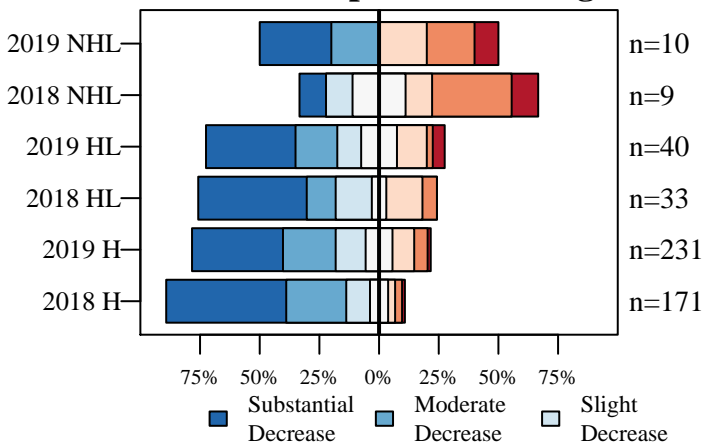


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

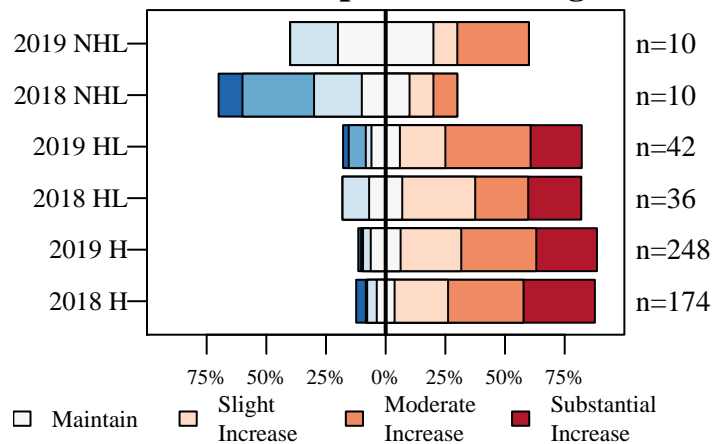


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Wabash County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

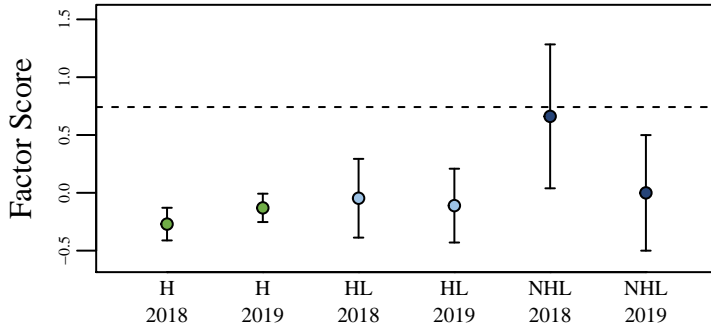


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

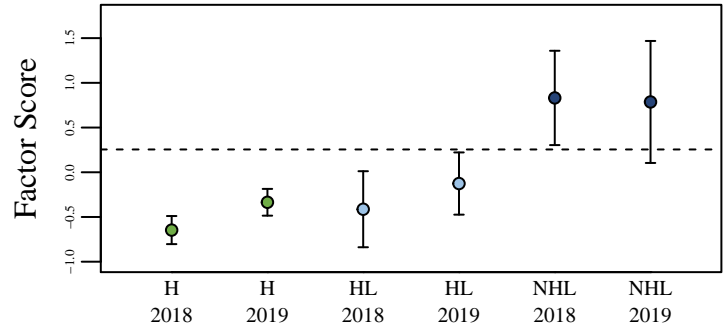


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

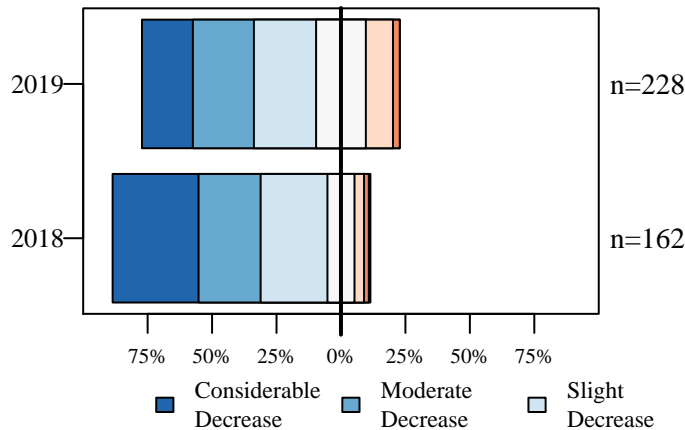


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

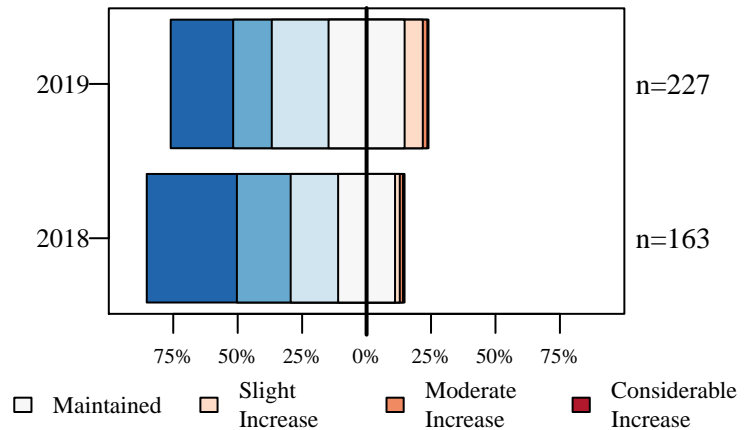


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

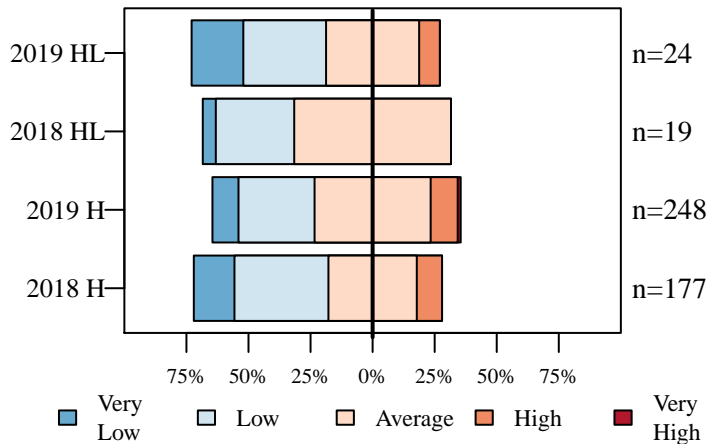


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

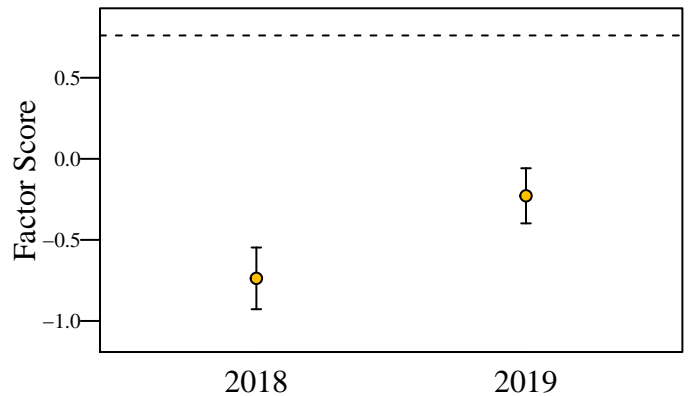


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Warren County

6/26/2019

Total Square Miles: 366  
 Square Miles of Deer Habitat: 85  
 Percent Deer Habitat: 23

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,032		527		6.20	505		5.94	48.93		96		4
2006	1,002		526		6.19	476		5.60	47.50		75		4
2007	1,086		587		6.91	499		5.87	45.95		73		4
2008	1,244		638		7.51	606		7.13	48.71		90		4
2009	1,203		591		6.95	612		7.20	50.87		101		8
2010	1,288	1.65	647	1.54	7.61	641	1.58	7.54	49.77		83	-0.32	8
2011	1,271	0.90	650	1.08	7.65	621	0.73	7.31	48.86		90	0.49	8
2012	1,496	3.44	665	1.37	7.82	831	4.22	9.78	55.55		112	2.39	8
2013	1,255	-0.40	572	-2.35	6.73	683	0.22	8.04	54.42		113	1.56	8
2014	1,060	-2.15	531	-2.30	6.25	529	-1.65	6.22	49.91		106	0.47	4
2015	1,114	-1.03	566	-0.81	6.66	548	-1.02	6.45	49.19		96	-0.35	4
2016	1,052	-1.10	581	-0.27	6.84	471	-1.41	5.54	44.77	0	92	-1.13	4
2017	808	-2.07	440	-2.88	5.18	368	-1.69	4.33	45.54	0	87	-1.43	3
2018	882	-1.09	513	-0.43	6.04	369	-1.31	4.34	41.84	0	119	1.82	2

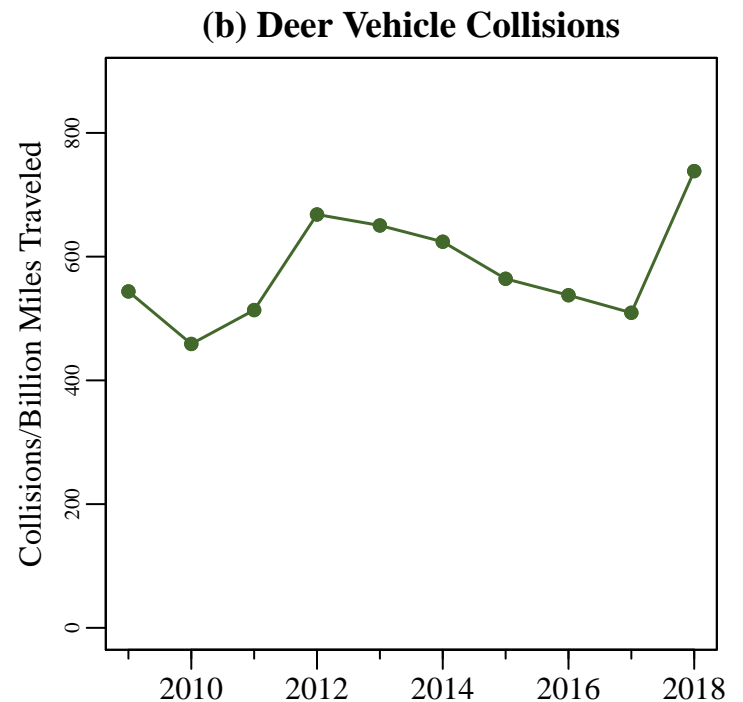
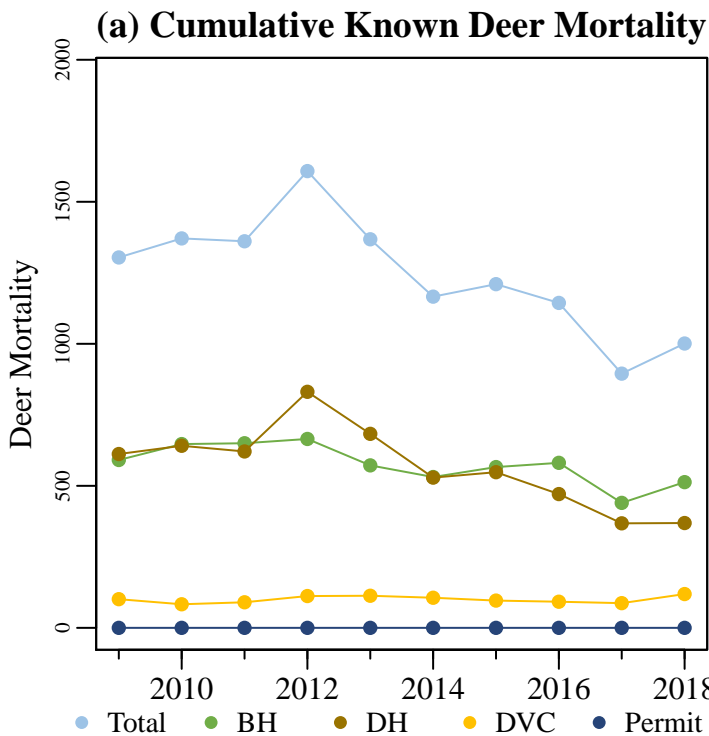


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Warren County

6/26/2019

Total Square Miles: 366  
 Square Miles of Deer Habitat: 85  
 Percent Deer Habitat: 23

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	830	381	448	1	0	324	382	93	28	3	0	0	0	0	0	0
2016	775	307	468	0	0	339	315	97	21	3	0	0	0	0	0	0
2017	627	254	371	2	0	284	260	76	7	0	0	0	0	0	0	0
2018	691	267	421	3	0	322	291	70	8	0	0	0	0	0	0	0

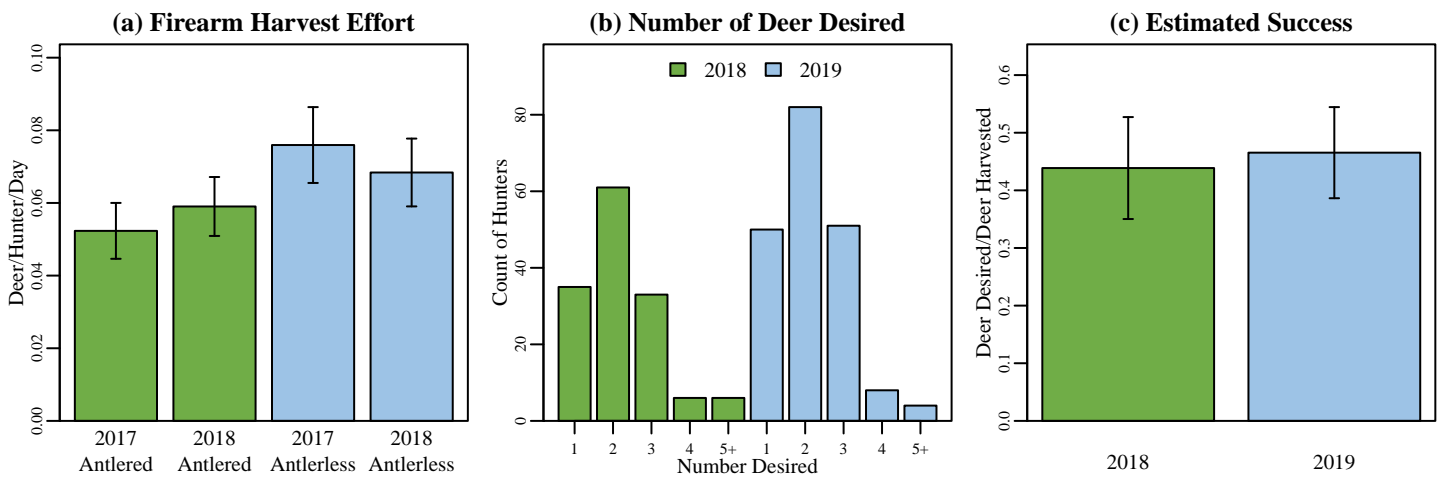
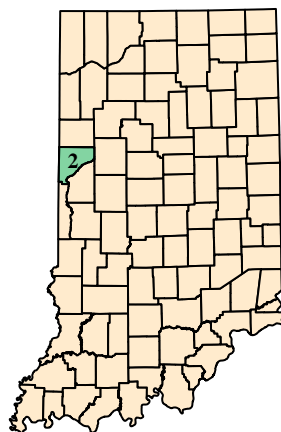


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Warren County Map



## (b) Deer Habitat in Warren County

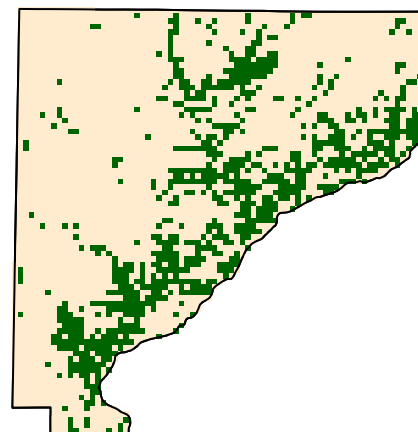


Figure 3. (a) Warren County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Warren County.

# Warren County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

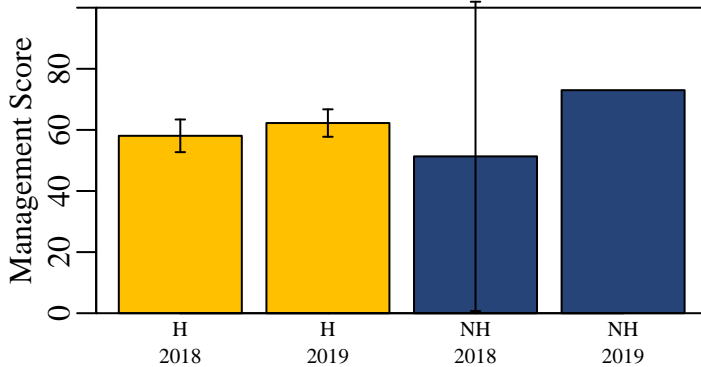


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

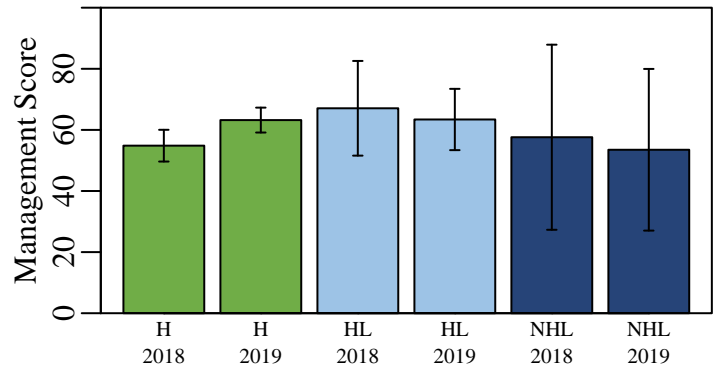


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

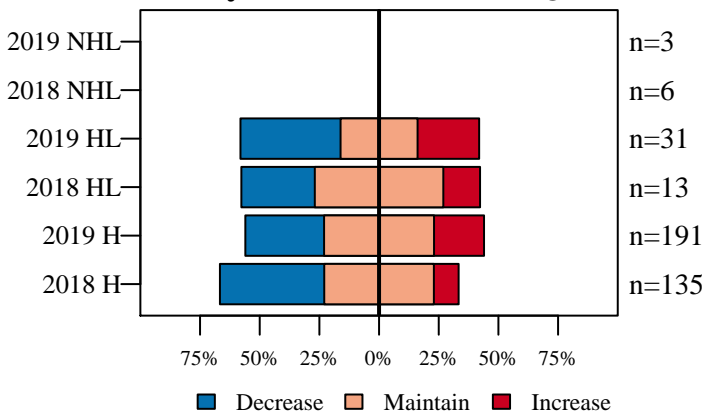


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

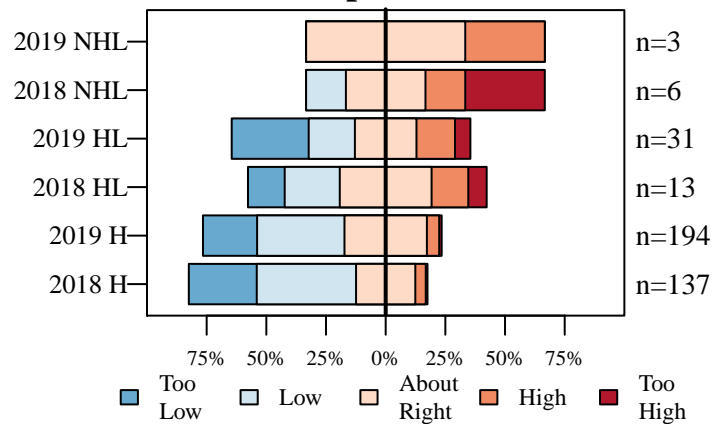


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

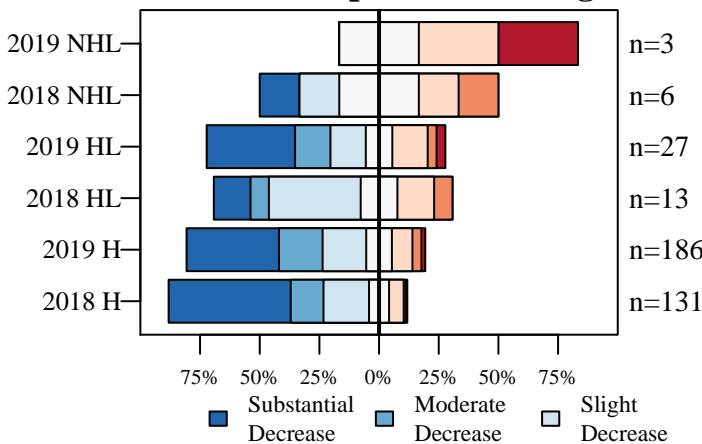


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

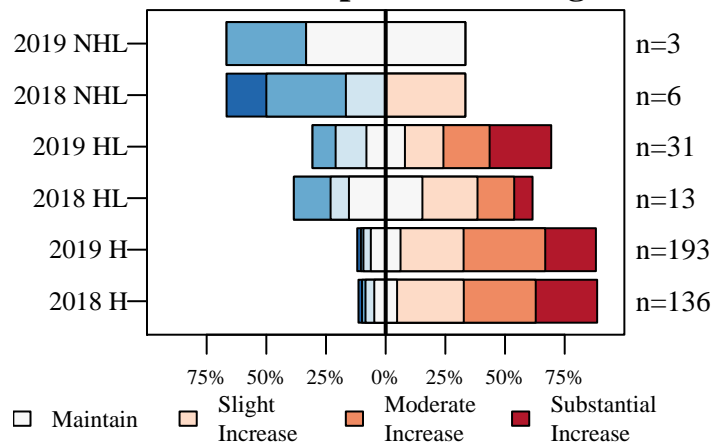


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Warren County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

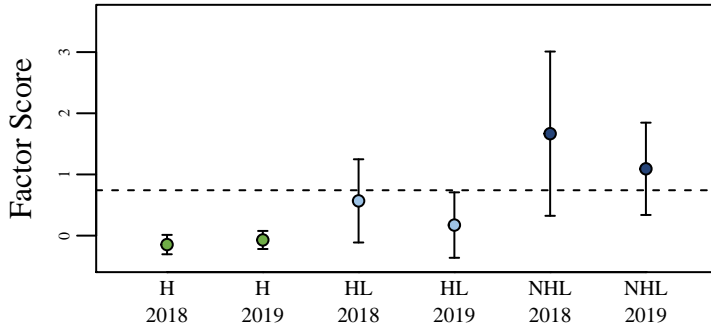


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

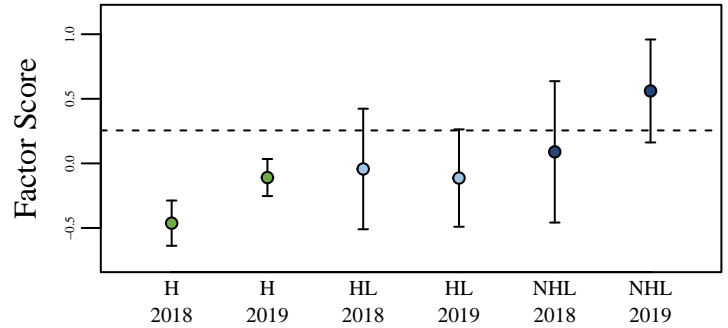


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

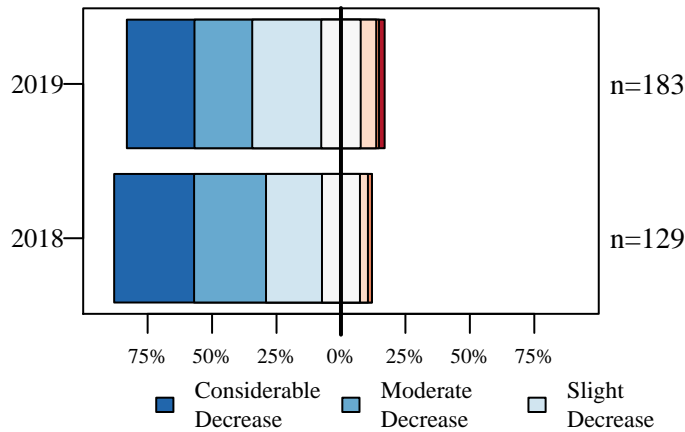


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

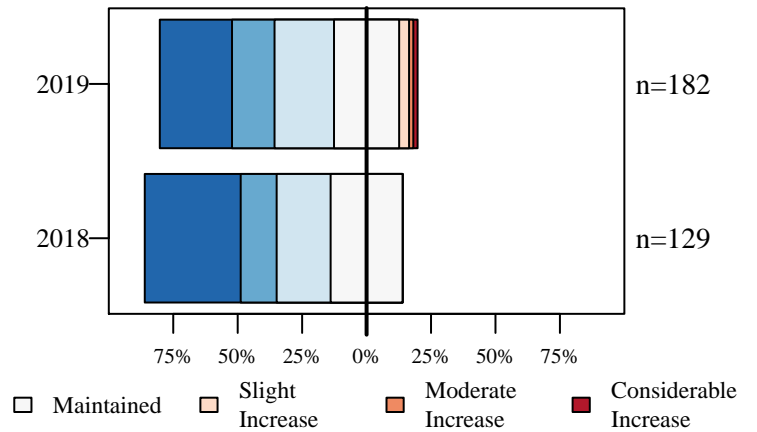


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

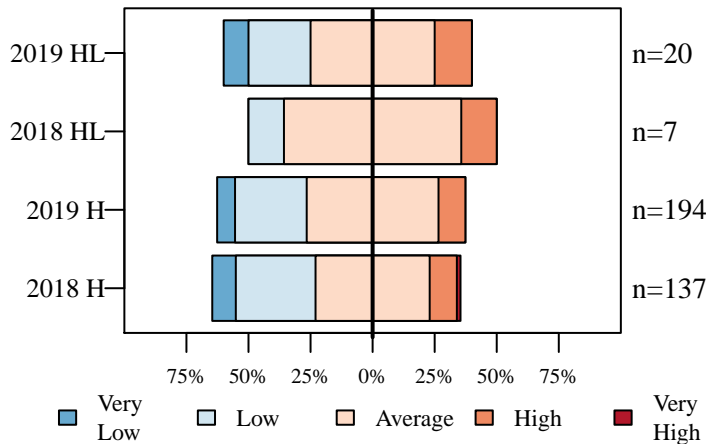


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

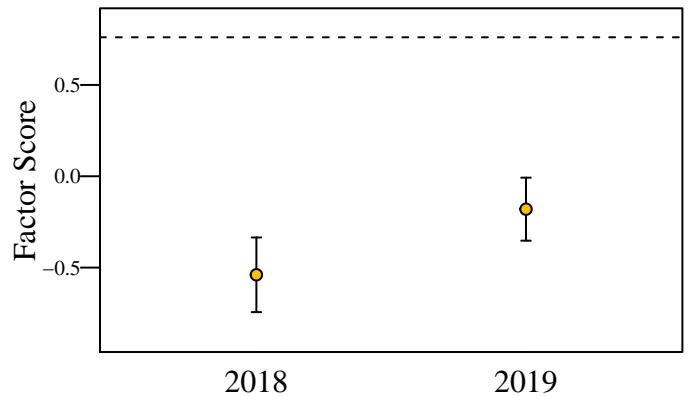


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Warrick County

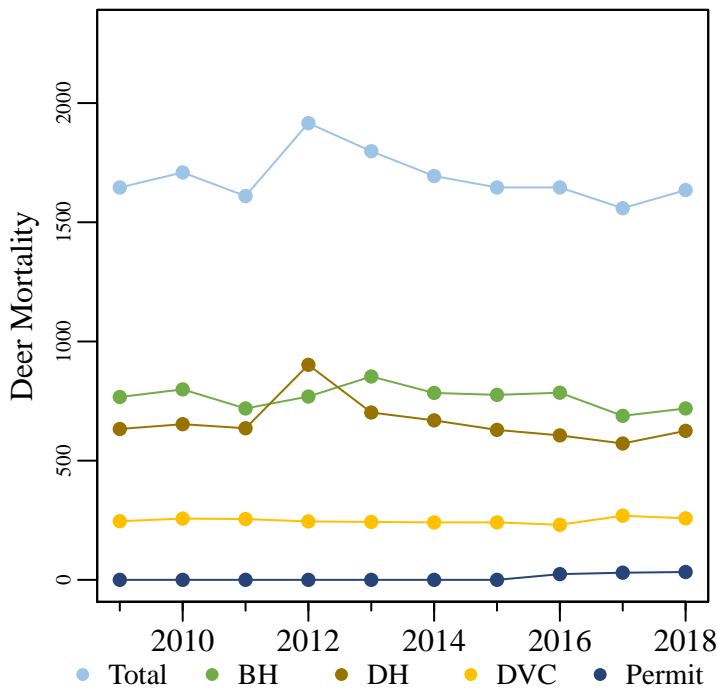
6/26/2019

Total Square Miles: 391  
 Square Miles of Deer Habitat: 181  
 Percent Deer Habitat: 46

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,509		836		4.62	673		3.72	44.60		209		2
2006	1,584		879		4.86	705		3.90	44.51		251		2
2007	1,303		658		3.64	645		3.56	49.50		275		4
2008	1,502		814		4.50	688		3.80	45.81		253		4
2009	1,400		767		4.24	633		3.50	45.21		246		4
2010	1,452	-0.07	799	0.10	4.41	653	-0.53	3.61	44.97		257	0.43	4
2011	1,355	-0.88	719	-0.79	3.97	636	-0.95	3.51	46.94		255	-0.13	4
2012	1,671	3.43	769	0.28	4.25	902	11.34	4.98	53.98		245	-1.13	4
2013	1,555	0.65	853	2.18	4.71	702	0.00	3.88	45.14		243	-1.52	3
2014	1,453	-0.26	784	0.05	4.33	669	-0.32	3.70	46.04		241	-1.29	3
2015	1,405	-0.77	776	-0.18	4.29	629	-0.77	3.48	44.77		241	-0.99	3
2016	1,391	-0.77	785	0.10	4.34	606	-0.90	3.35	43.57	24	231	-2.40	3
2017	1,260	-2.00	688	-3.10	3.80	572	-1.10	3.16	45.40	30	269	3.40	2
2018	1,344	-0.64	719	-0.99	3.97	625	-0.21	3.45	46.50	33	258	0.95	2

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

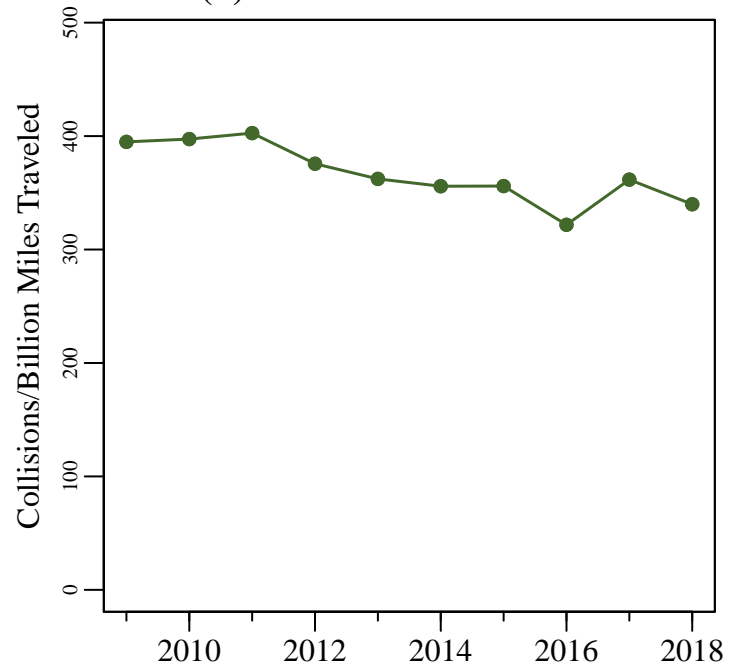


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Warrick County

6/26/2019

Total Square Miles: 391  
 Square Miles of Deer Habitat: 181  
 Percent Deer Habitat: 46

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	1,154	471	680	3	0	556	493	90	14	1	0	0	0	0	0	0
2016	1,084	417	664	3	0	494	474	104	10	1	1	0	0	0	0	0
2017	1,021	448	572	1	0	457	456	95	12	1	0	0	0	0	0	0
2018	1,098	458	637	2	1	506	492	92	8	0	0	0	0	0	0	0

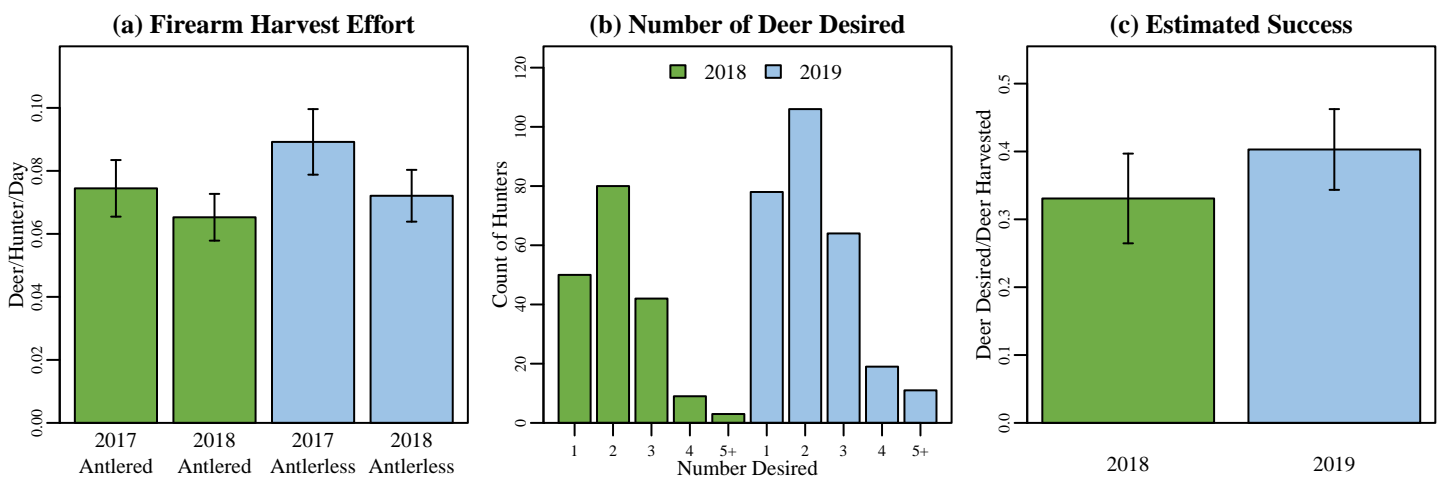
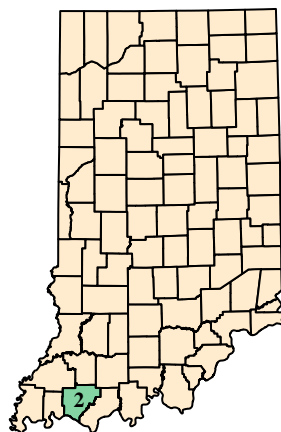


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Warrick County Map



## (b) Deer Habitat in Warrick County

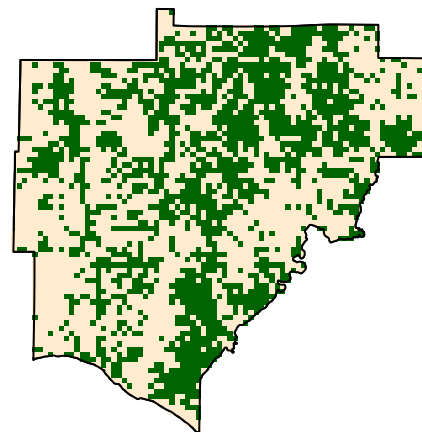


Figure 3. (a) Warrick County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Warrick County.

# Warrick County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

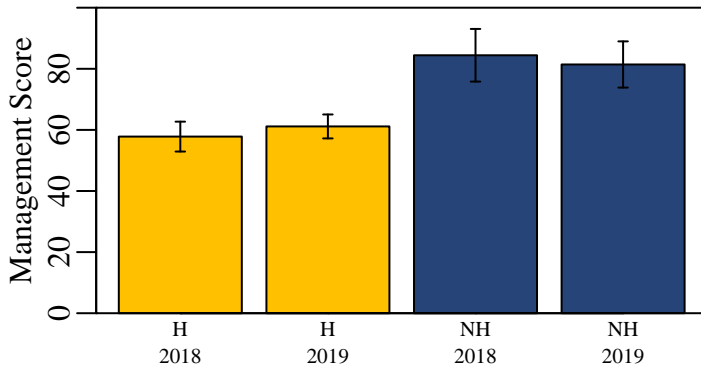


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

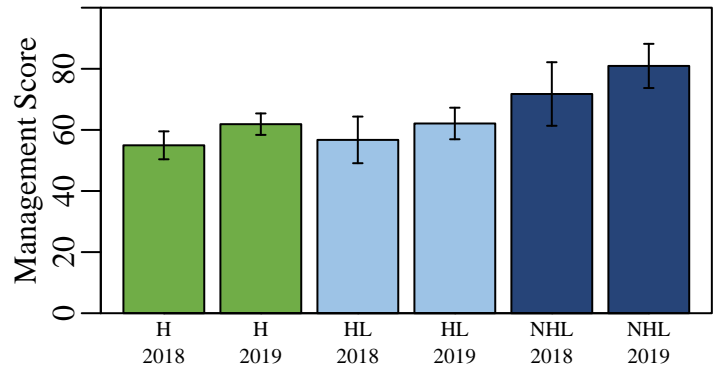


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

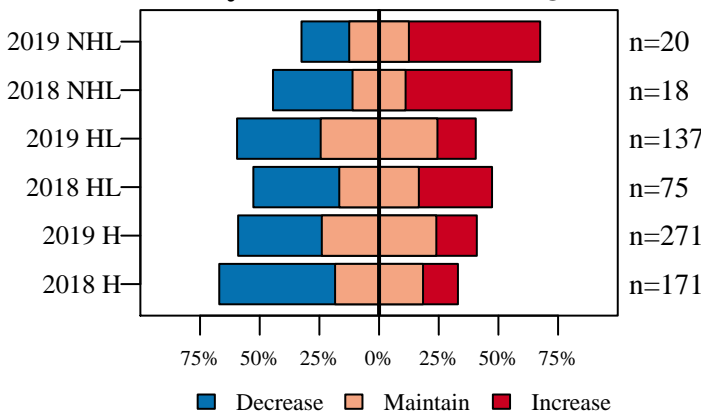


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

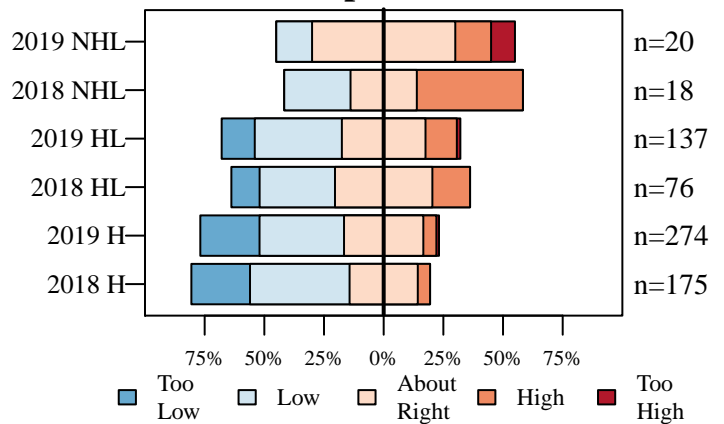


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

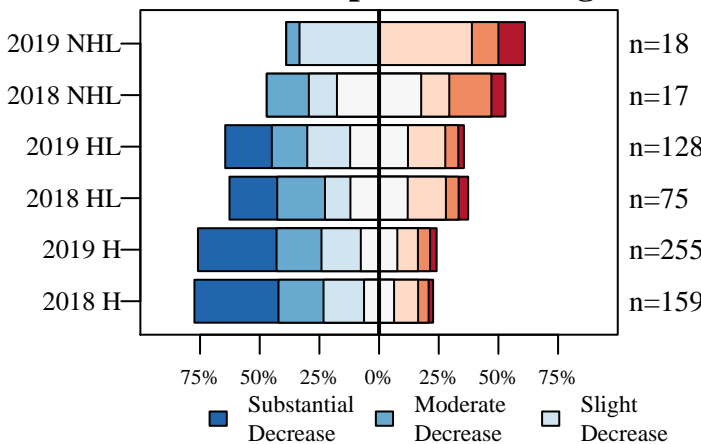


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

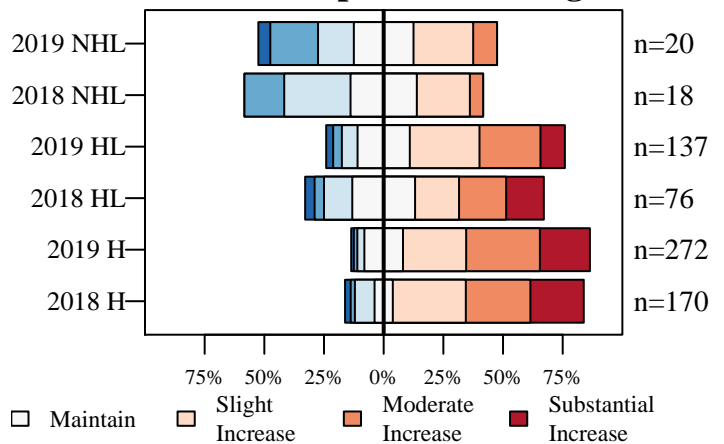


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Warrick County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

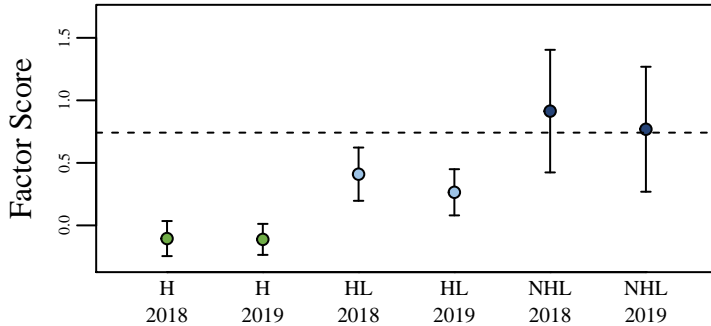


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

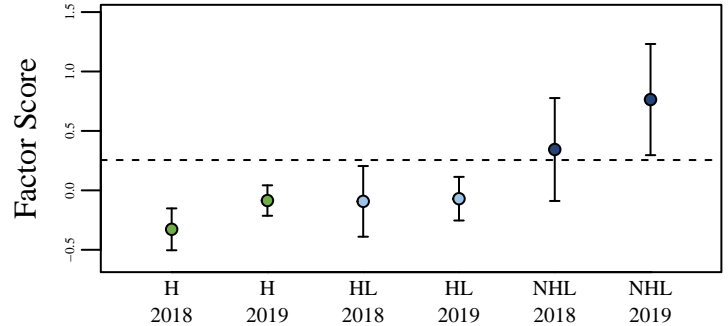


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

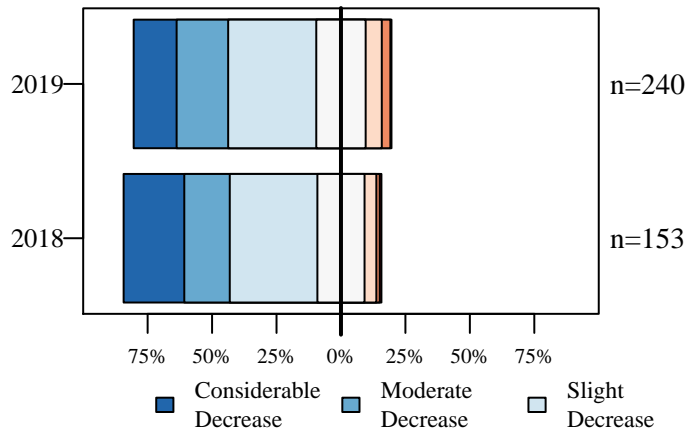


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

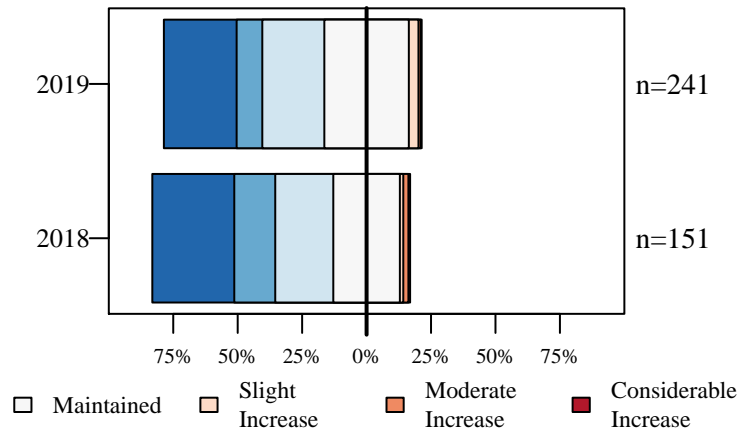


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

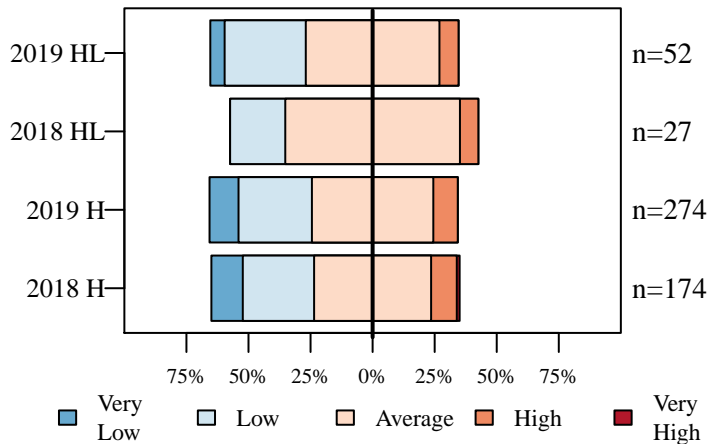


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

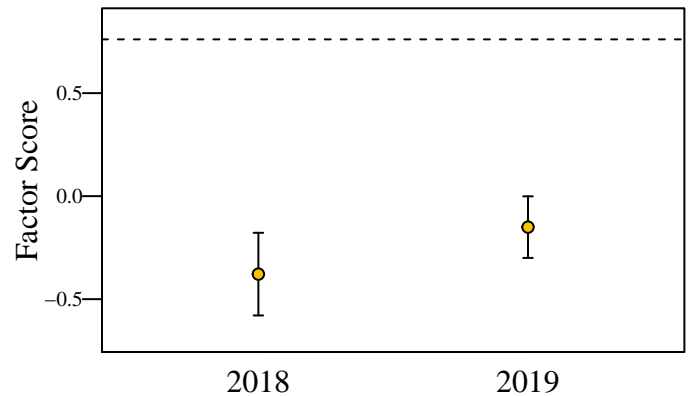


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Washington County

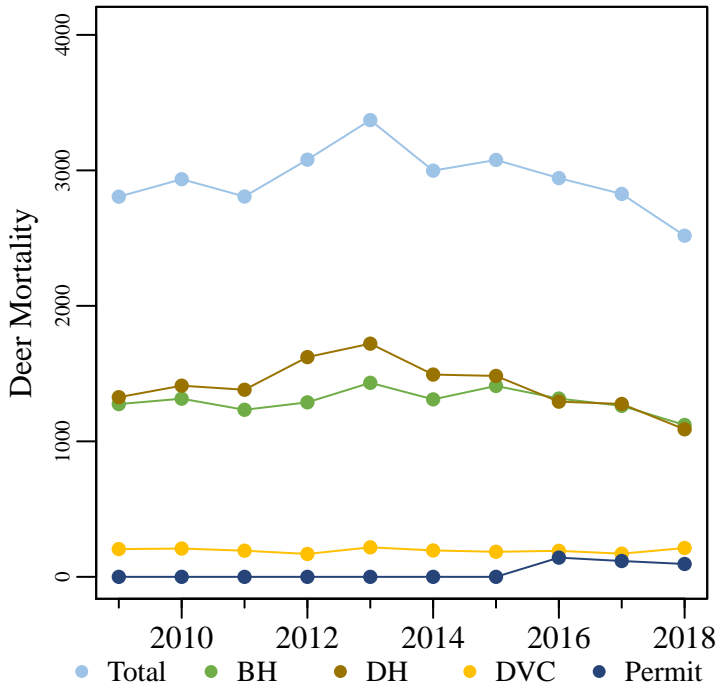
6/26/2019

Total Square Miles: 516  
 Square Miles of Deer Habitat: 367  
 Percent Deer Habitat: 70

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	2,562		1,229		3.35	1,333		3.63	52.03		209		8
2006	2,803		1,331		3.63	1,472		4.01	52.52		271		8
2007	2,346		1,172		3.19	1,174		3.20	50.04		226		8
2008	2,477		1,161		3.16	1,316		3.59	53.13		181		8
2009	2,601		1,275		3.47	1,326		3.61	50.98		205		8
2010	2,726	1.00	1,315	1.14	3.58	1,411	0.82	3.84	51.76		209	-0.28	8
2011	2,614	0.13	1,233	-0.22	3.36	1,381	0.37	3.76	52.83		193	-0.76	8
2012	2,910	2.46	1,288	0.86	3.51	1,622	3.29	4.42	55.74		169	-1.99	8
2013	3,153	3.00	1,432	2.96	3.90	1,721	2.50	4.69	54.58		218	1.60	8
2014	2,803	0.01	1,310	0.02	3.57	1,493	0.00	4.07	53.26		195	-0.20	8
2015	2,892	0.25	1,409	1.28	3.84	1,483	-0.30	4.04	51.28		185	-0.63	8
2016	2,609	-1.36	1,316	-0.22	3.59	1,293	-1.86	3.52	49.56	142	192	0.00	8
2017	2,538	-1.71	1,262	-1.37	3.44	1,276	-1.53	3.48	50.28	117	171	-1.32	8
2018	2,210	-2.41	1,121	-3.13	3.05	1,089	-2.01	2.97	49.28	95	213	1.45	4

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

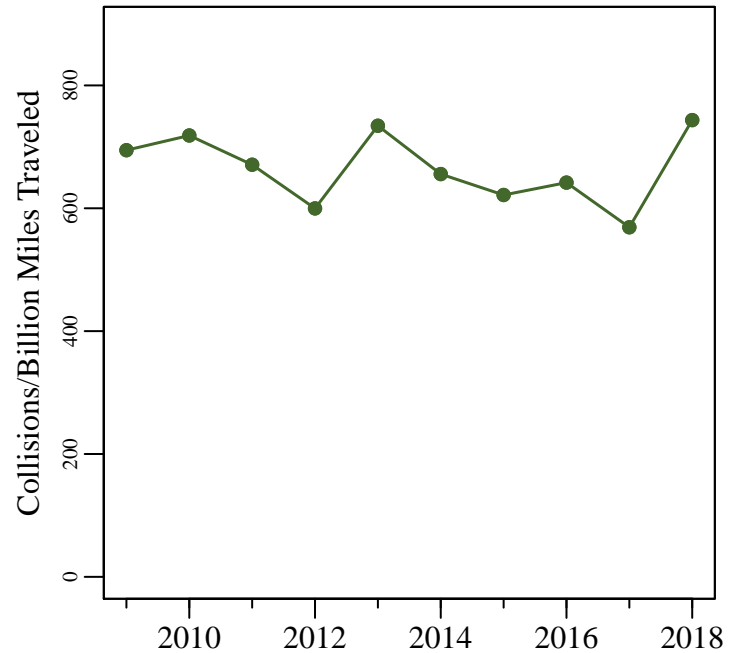


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Washington County

6/26/2019

Total Square Miles: 516  
 Square Miles of Deer Habitat: 367  
 Percent Deer Habitat: 70

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	2,028	926	1,099	3	0	783	881	255	73	16	10	8	1	1	0	0
2016	1,877	800	1,074	2	1	798	763	230	56	19	7	2	2	0	0	0
2017	1,800	801	993	5	1	742	737	228	60	17	9	5	0	2	0	0
2018	1,587	711	875	1	0	628	672	221	46	19	1	0	0	0	0	0

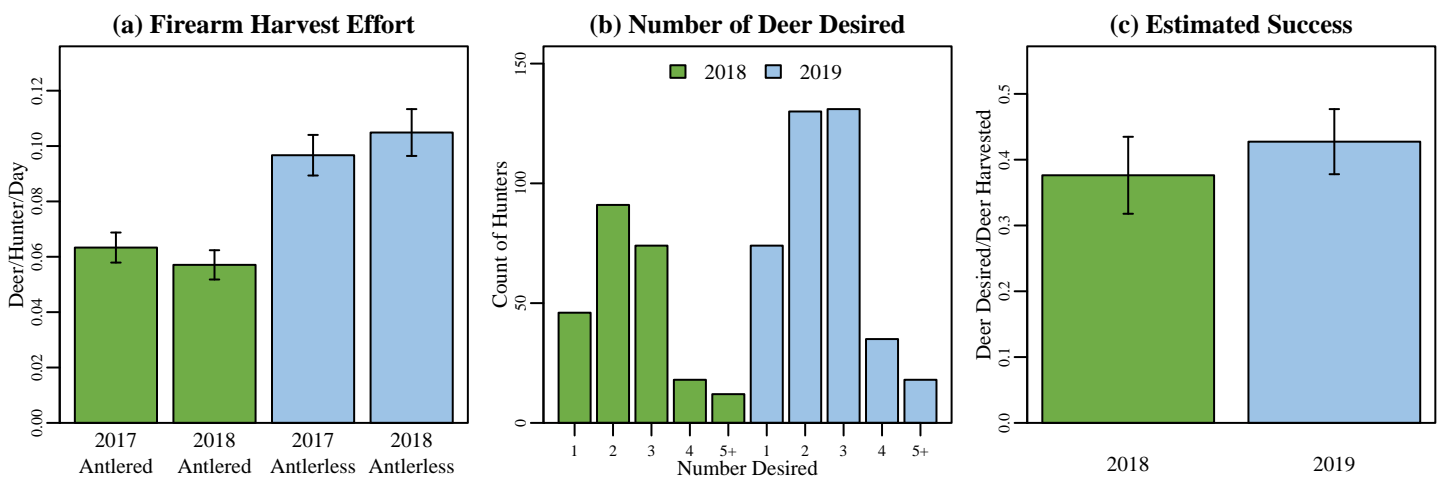
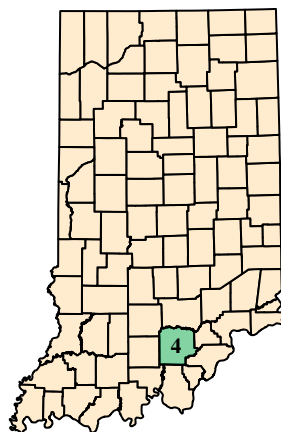


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Washington County Map



## (b) Deer Habitat in Washington County

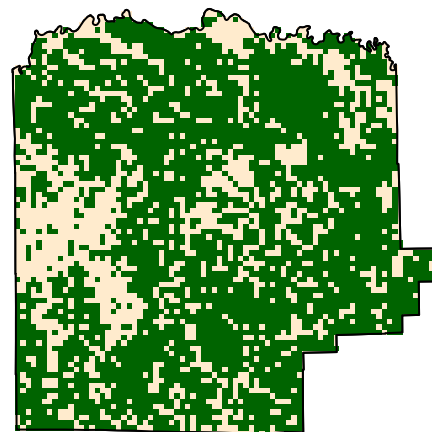


Figure 3. (a) Washington County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Washington County.

# Washington County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

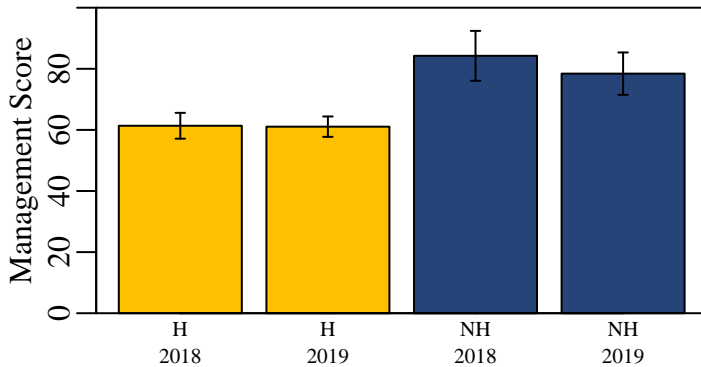


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

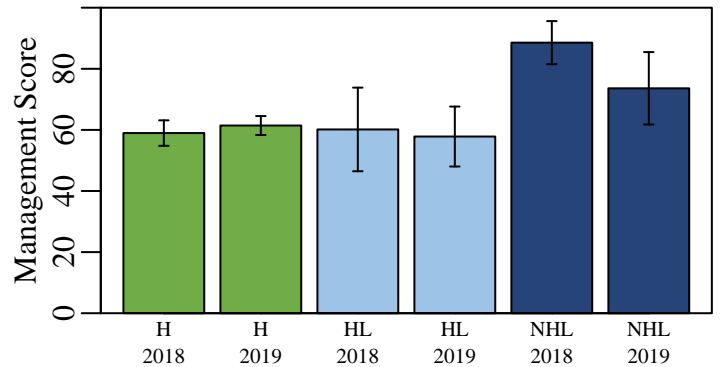


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

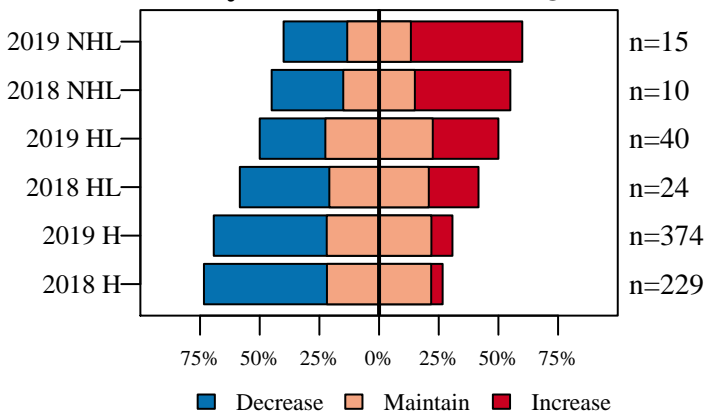


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

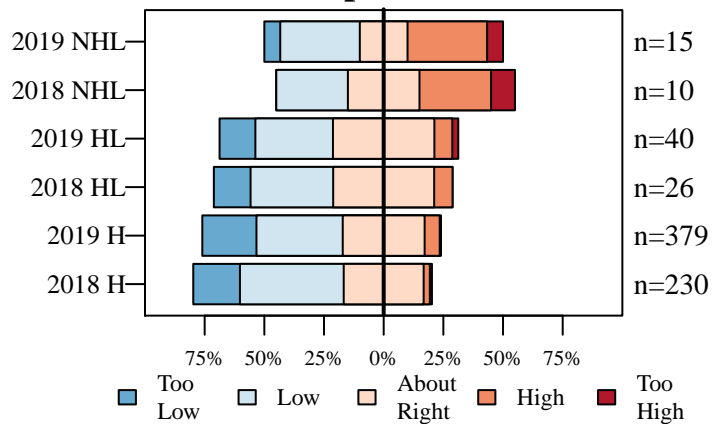


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

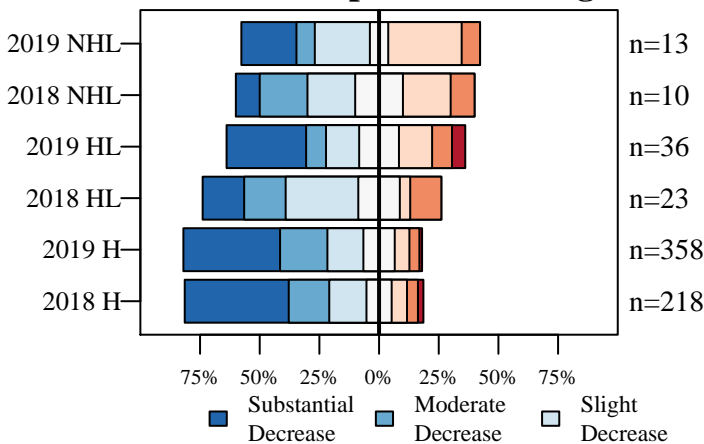


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

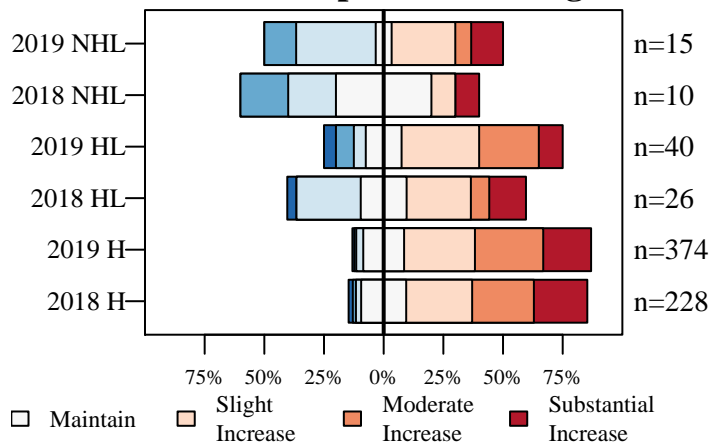


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Washington County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

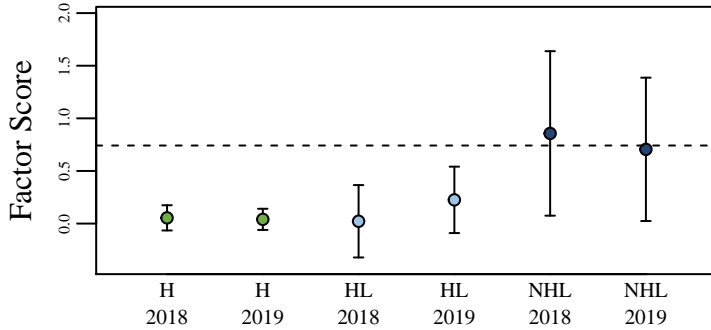


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

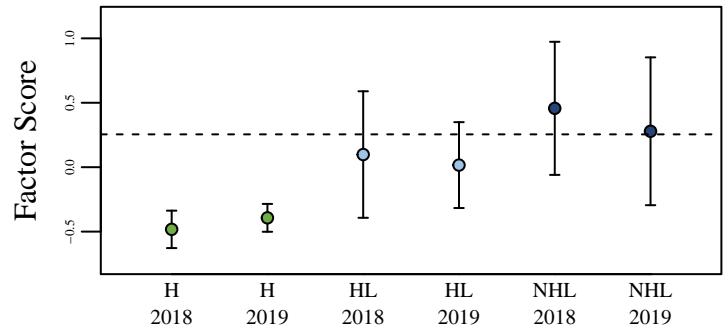


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

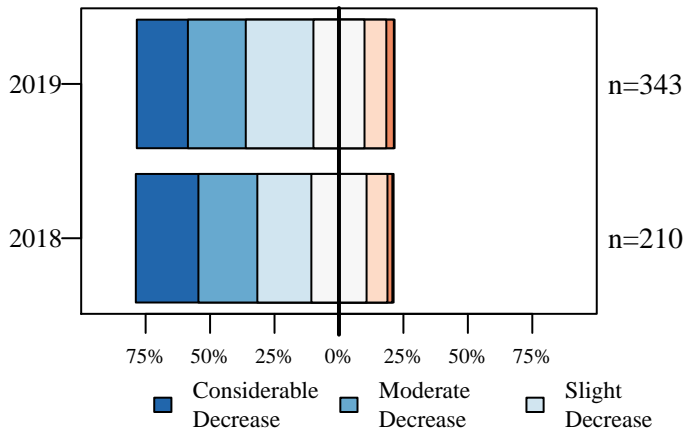


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

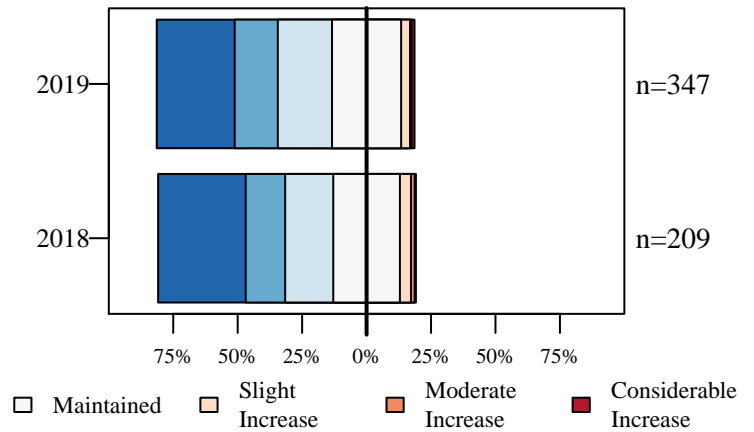


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

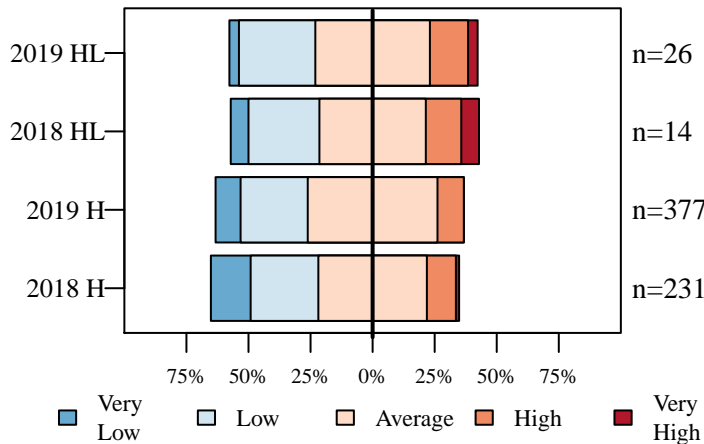


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

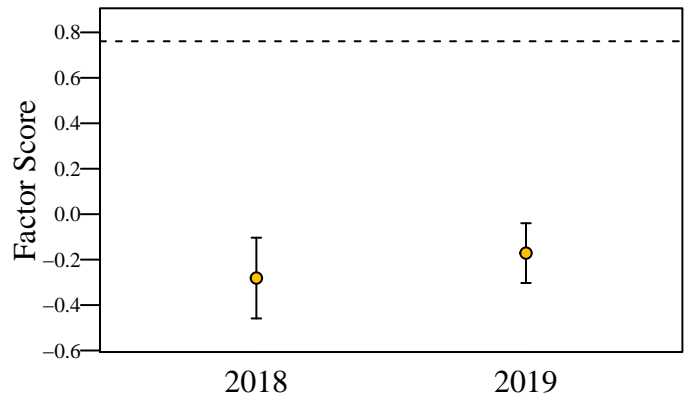


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Wayne County

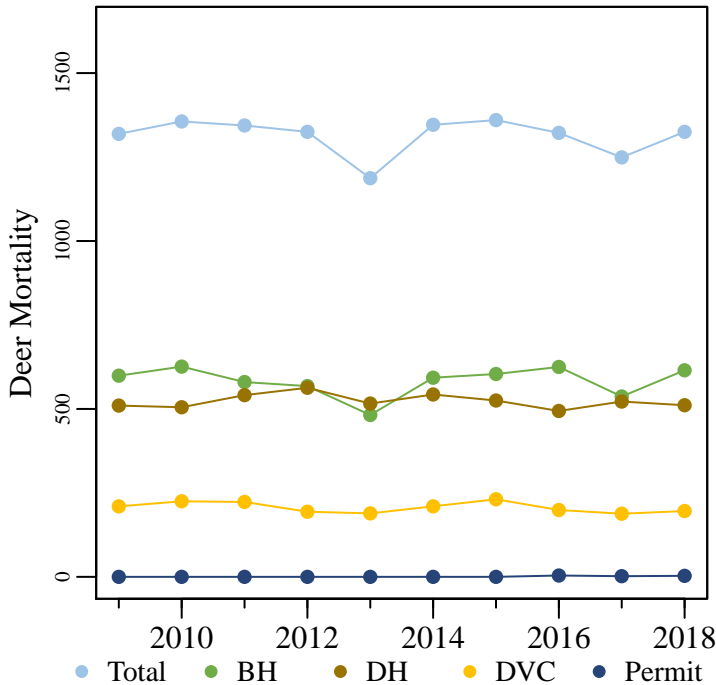
6/26/2019

Total Square Miles: 404  
 Square Miles of Deer Habitat: 116  
 Percent Deer Habitat: 28

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	931		553		4.77	378		3.26	40.60		200		2
2006	925		525		4.53	400		3.45	43.24		218		3
2007	968		516		4.45	452		3.90	46.69		233		3
2008	887		450		3.88	437		3.77	49.27		199		3
2009	1,109		599		5.16	510		4.40	45.99		210		3
2010	1,131	1.94	626	1.79	5.40	505	1.37	4.35	44.65		225	0.92	4
2011	1,121	1.06	580	0.52	5.00	541	1.72	4.66	48.26		223	0.46	4
2012	1,131	0.80	568	0.19	4.90	563	1.71	4.85	49.78		194	-1.78	4
2013	998	-0.73	482	-1.22	4.16	516	0.10	4.45	51.70		189	-1.53	4
2014	1,136	0.67	593	0.40	5.11	543	0.66	4.68	47.80		210	0.11	3
2015	1,129	0.43	604	0.64	5.21	525	-0.37	4.53	46.50		231	1.39	3
2016	1,119	0.27	625	1.23	5.39	494	-2.41	4.26	44.15	4	199	-0.58	3
2017	1,059	-0.74	537	-0.67	4.63	522	-0.24	4.50	49.29	2	188	-1.18	3
2018	1,126	0.64	615	0.80	5.30	511	-0.51	4.41	45.38	3	196	-0.52	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

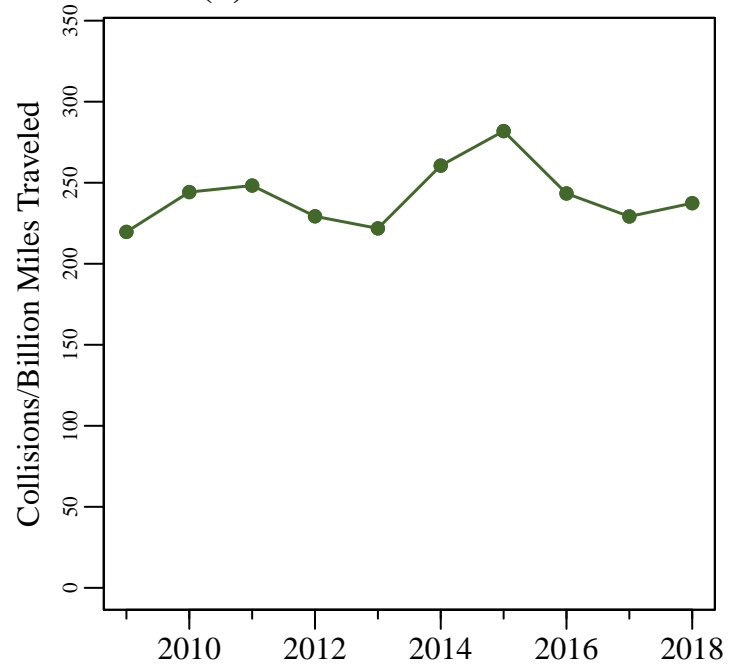


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Wayne County

6/26/2019

Total Square Miles: 404  
 Square Miles of Deer Habitat: 116  
 Percent Deer Habitat: 28

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	914	422	490	1	1	380	444	82	6	2	0	0	0	0	0	0
2016	888	376	510	2	0	398	393	81	15	0	1	0	0	0	0	0
2017	804	386	416	2	0	295	389	110	10	0	0	0	0	0	0	0
2018	887	406	480	1	0	371	402	100	14	0	0	0	0	0	0	0

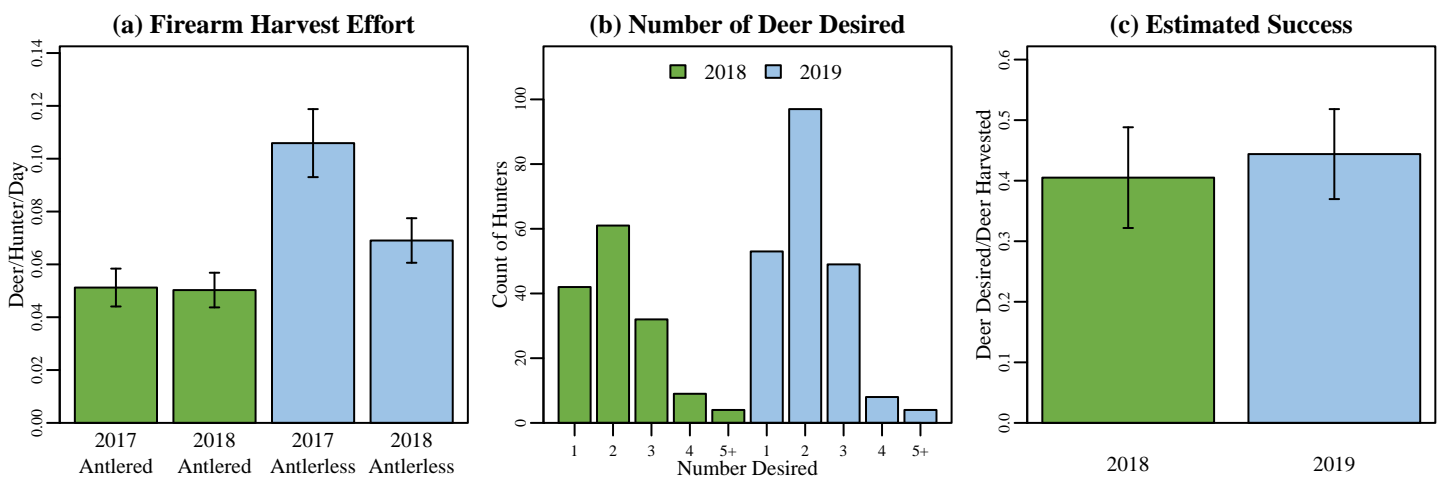
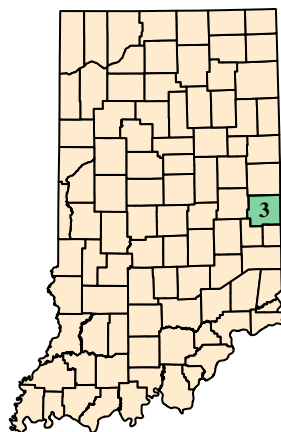


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Wayne County Map



## (b) Deer Habitat in Wayne County

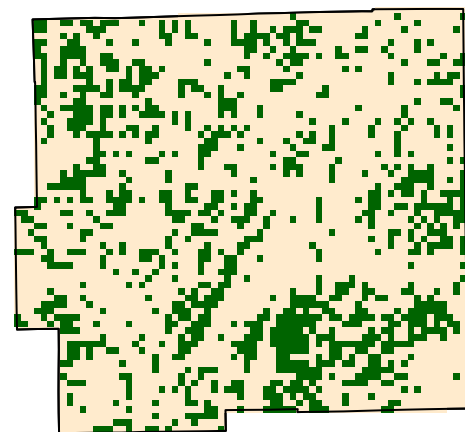


Figure 3. (a) Wayne County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Wayne County.

# Wayne County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

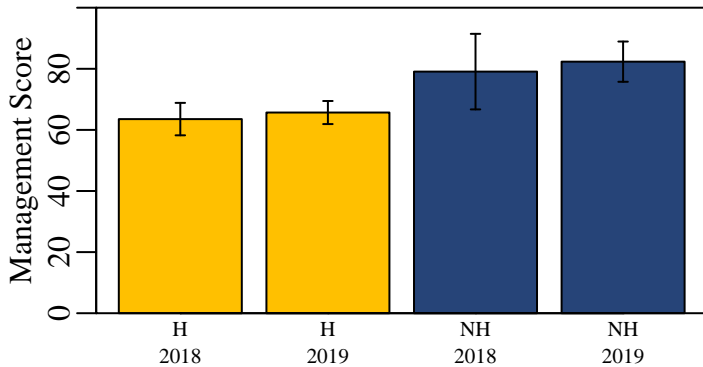


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

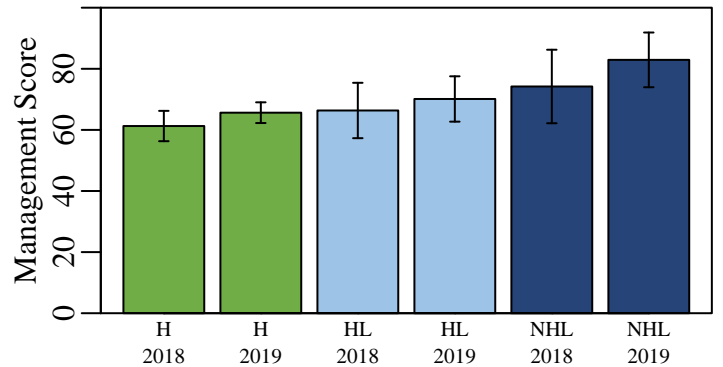


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

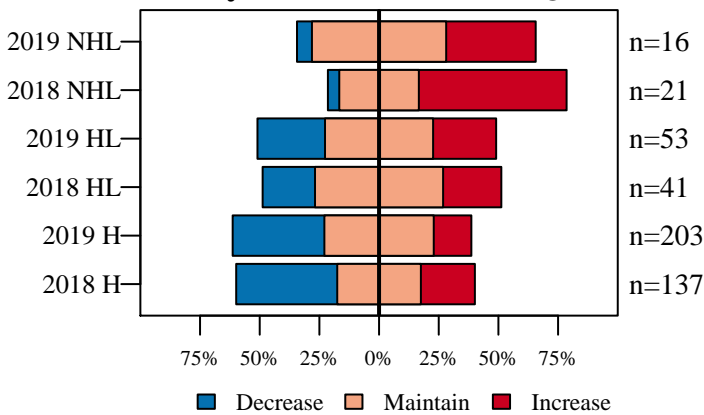


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

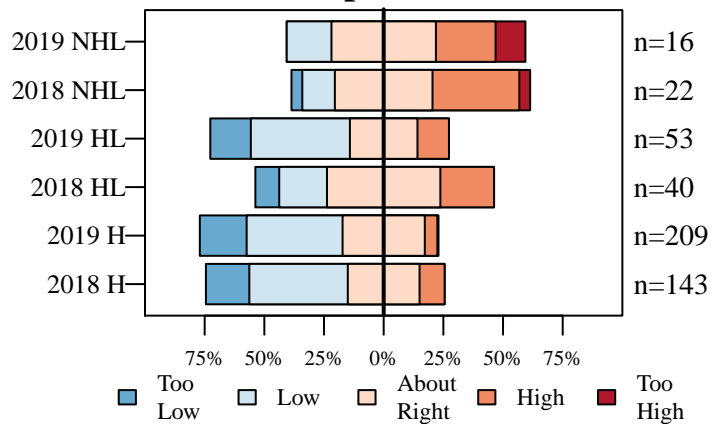


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

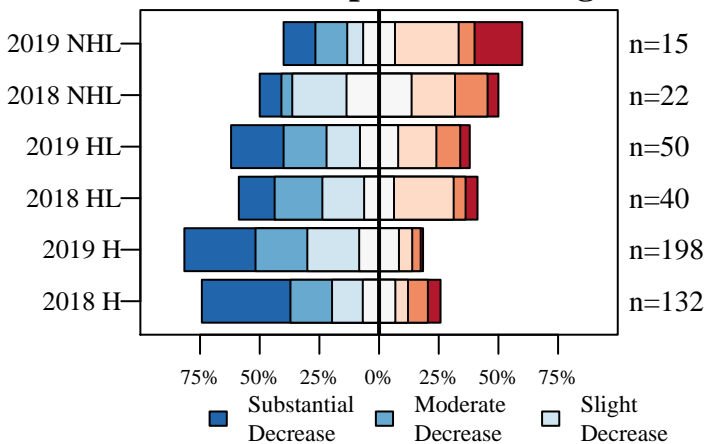


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

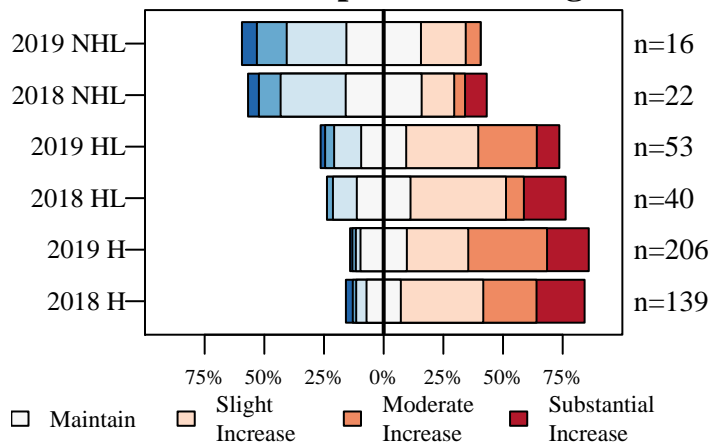


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# Wayne County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

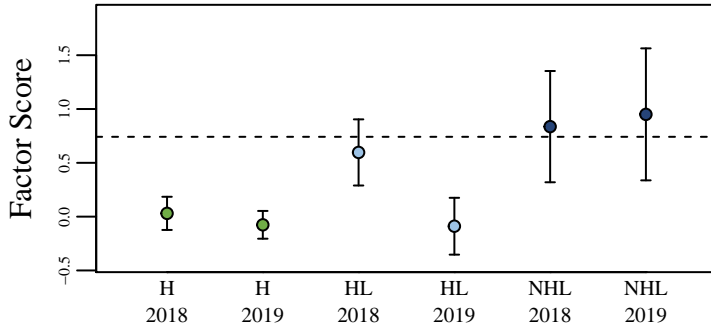


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

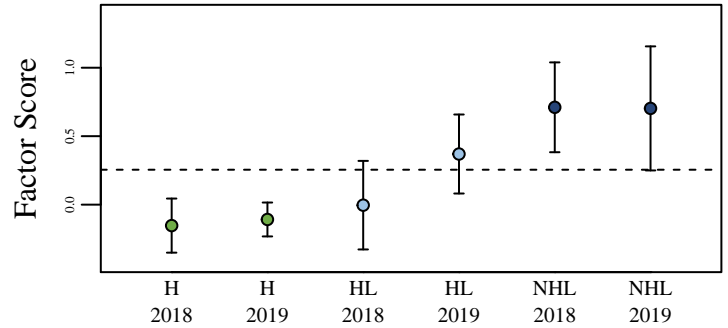


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

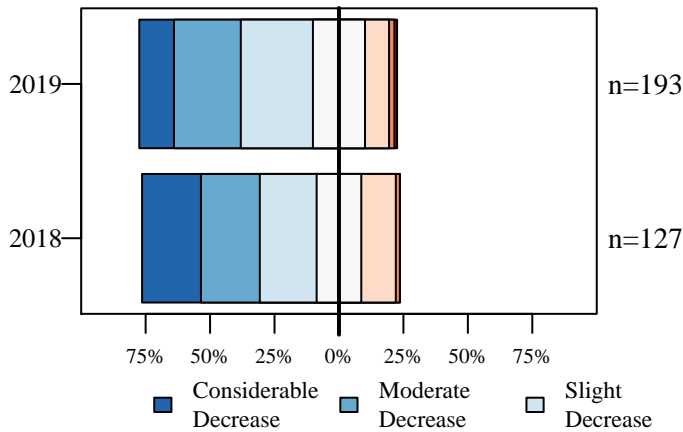


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

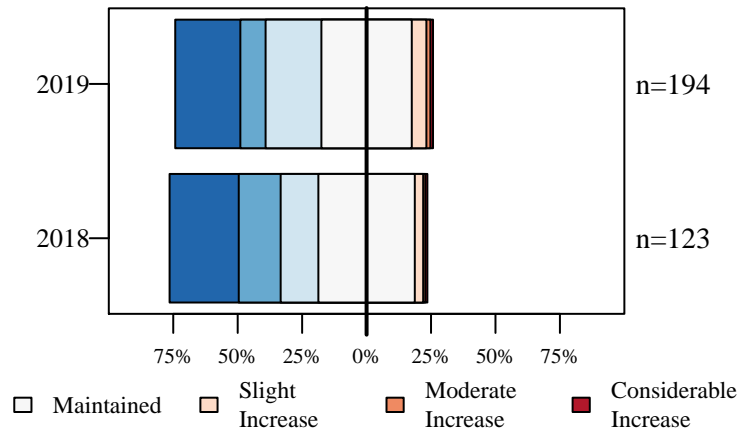


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

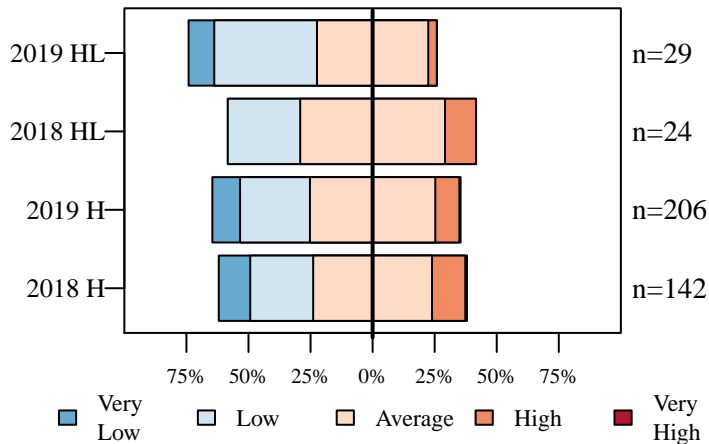


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

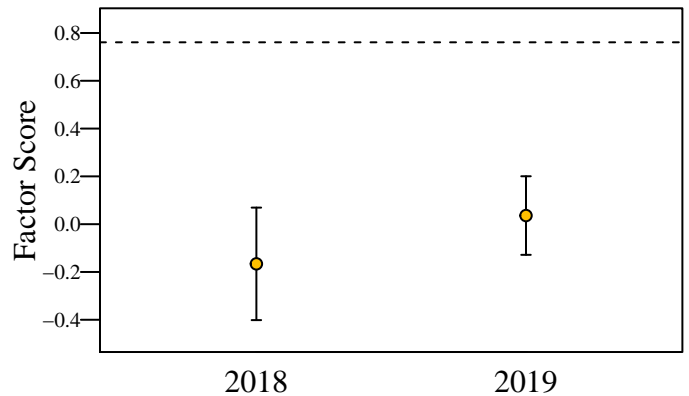


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Wells County

6/26/2019

Total Square Miles: 370  
 Square Miles of Deer Habitat: 29  
 Percent Deer Habitat: 8

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	527		295		10.17	232		8.00	44.02		80		1
2006	497		254		8.76	243		8.38	48.89		114		1
2007	576		329		11.34	247		8.52	42.88		113		1
2008	594		321		11.07	273		9.41	45.96		103		1
2009	557		333		11.48	224		7.72	40.22		97		1
2010	524	-0.68	288	-0.56	9.93	236	-0.42	8.14	45.04		114	0.91	1
2011	511	-0.98	292	-0.39	10.07	219	-1.41	7.55	42.86		96	-1.57	1
2012	508	-1.28	285	-1.31	9.83	223	-0.78	7.69	43.90		66	-4.51	1
2013	454	-2.33	241	-2.89	8.31	213	-0.99	7.34	46.92		87	-0.46	1
2014	440	-1.90	271	-0.51	9.34	169	-6.39	5.83	38.41		115	1.31	A
2015	431	-1.50	269	-0.31	9.28	162	-1.96	5.59	37.59		118	1.10	A
2016	452	-0.44	287	0.79	9.90	165	-1.10	5.69	36.50	0	98	0.07	A
2017	427	-1.00	239	-1.72	8.24	188	0.05	6.48	44.03	0	99	0.12	A
2018	453	1.01	260	-0.07	8.97	193	0.64	6.66	42.60	0	127	1.72	A

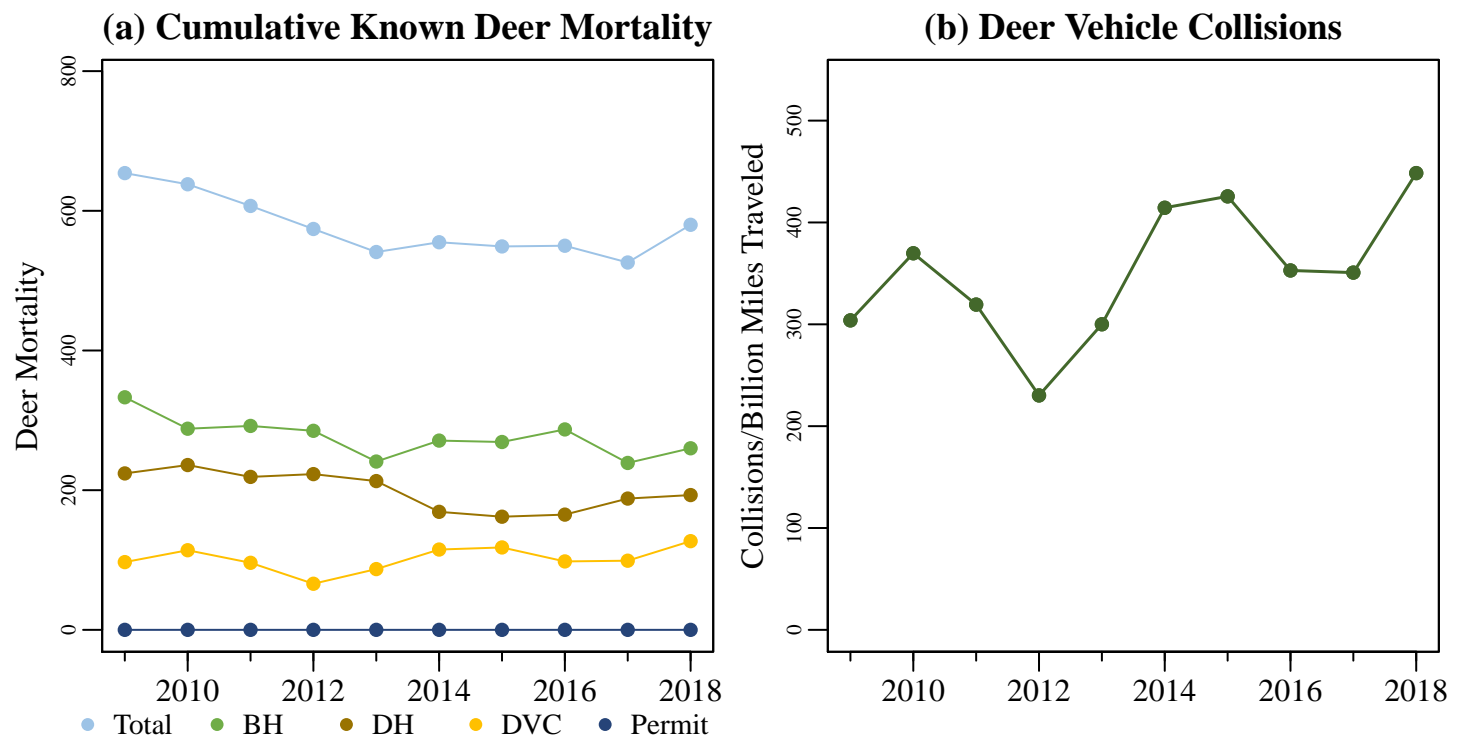


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Wells County

6/26/2019

Total Square Miles: 370  
 Square Miles of Deer Habitat: 29  
 Percent Deer Habitat: 8

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	377	157	218	2	0	184	178	14	1	0	0	0	0	0	0	0
2016	396	159	236	1	0	202	175	18	1	0	0	0	0	0	0	0
2017	356	159	196	1	0	154	178	21	3	0	0	0	0	0	0	0
2018	376	157	218	1	0	170	181	23	2	0	0	0	0	0	0	0

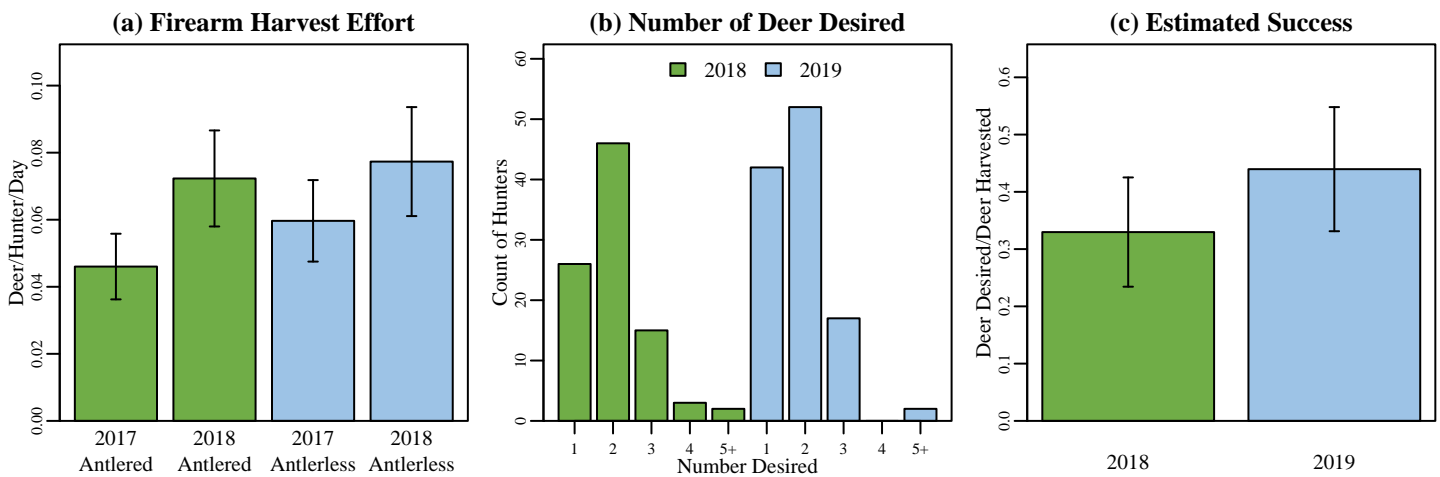
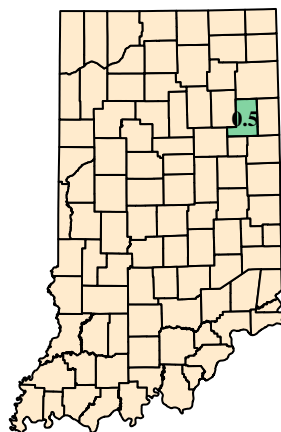


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Wells County Map



## (b) Deer Habitat in Wells County

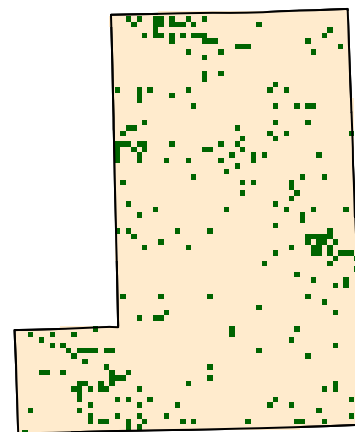


Figure 3. (a) Wells County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Wells County.

# Wells County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

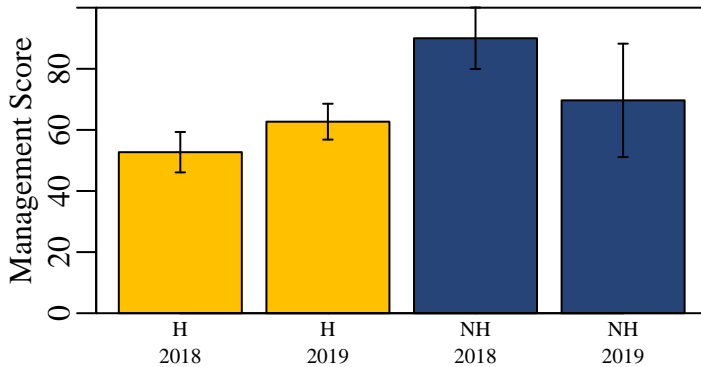


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

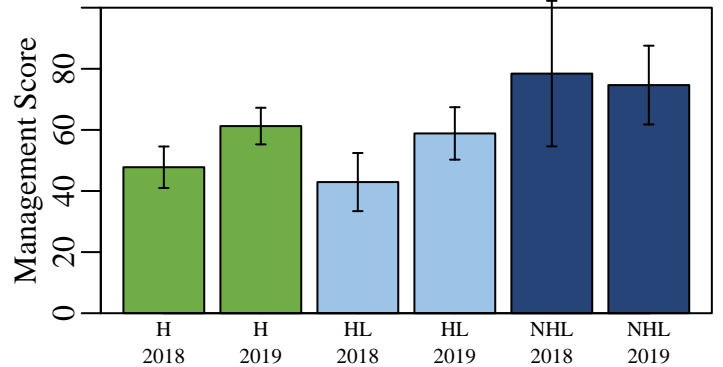


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

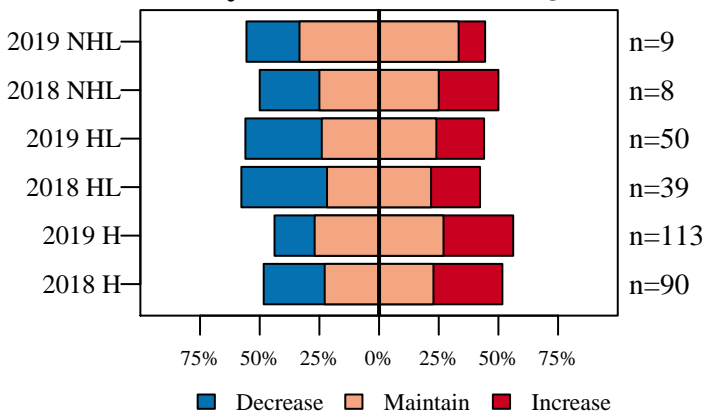


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

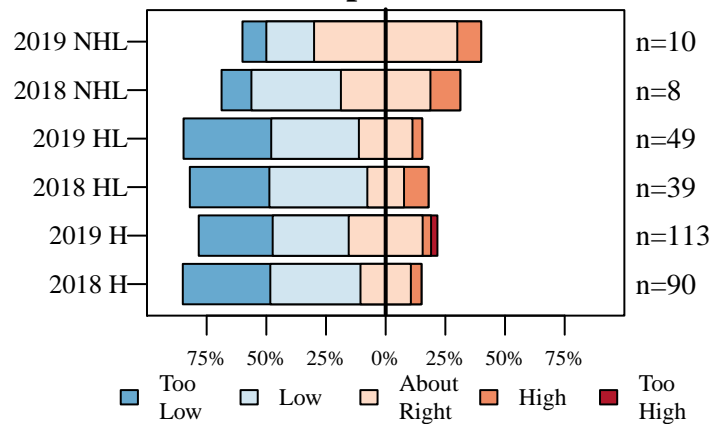


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

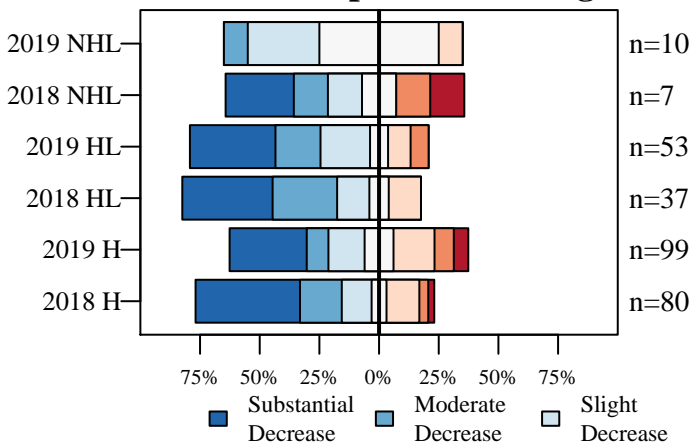


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

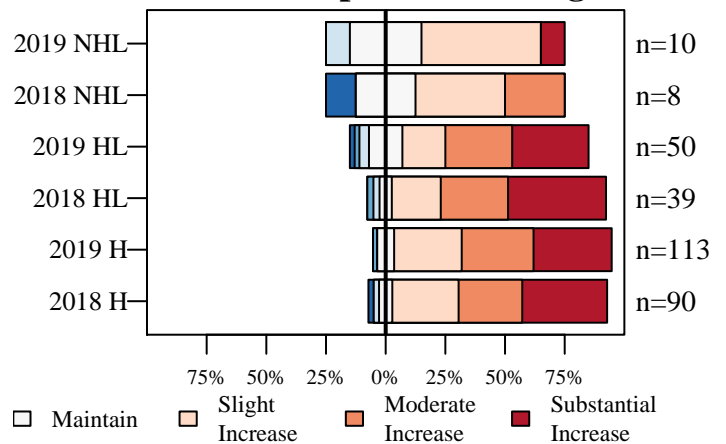


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Wells County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

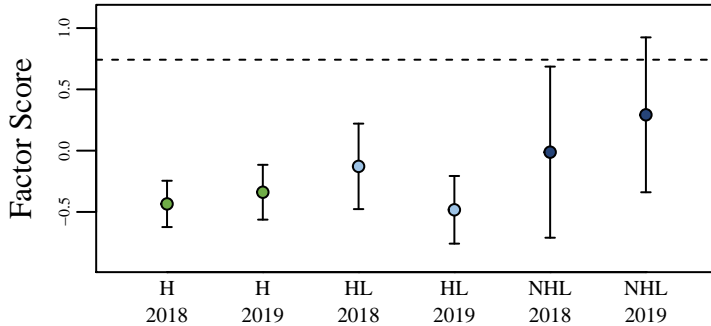


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

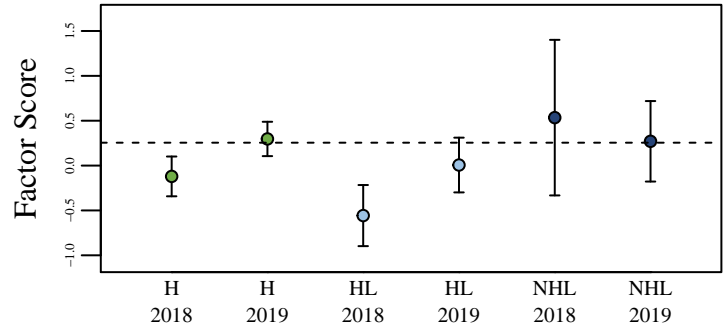


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

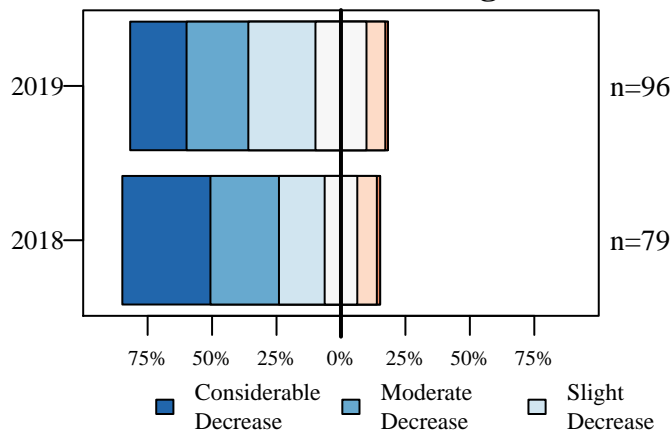


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

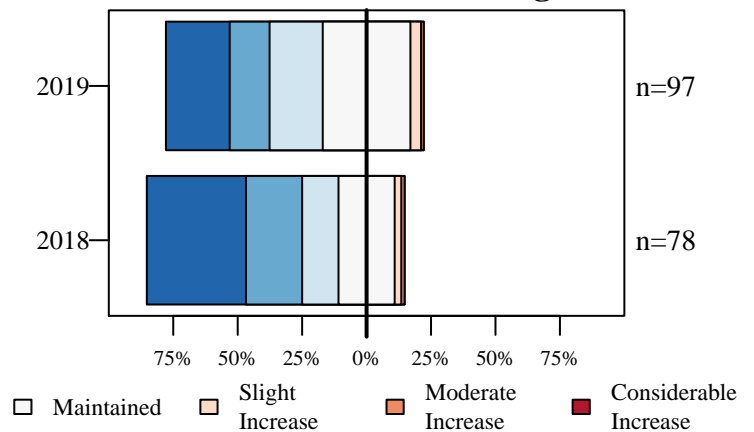


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

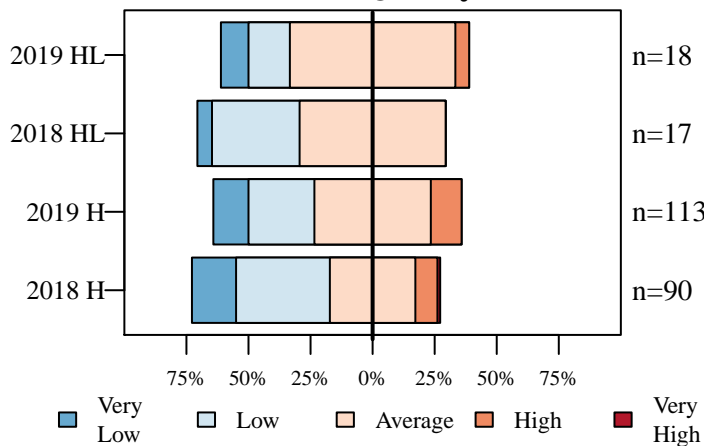


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

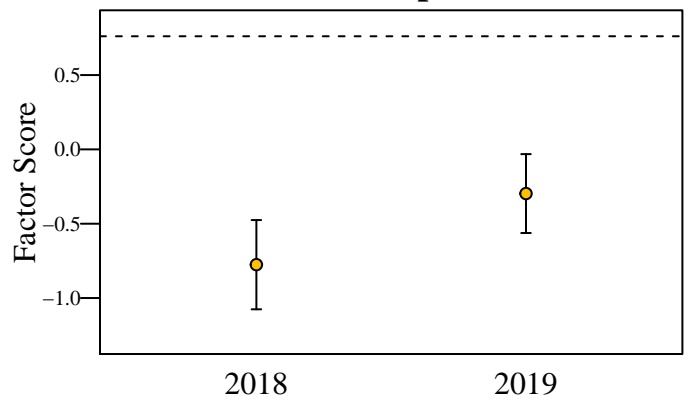


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# White County

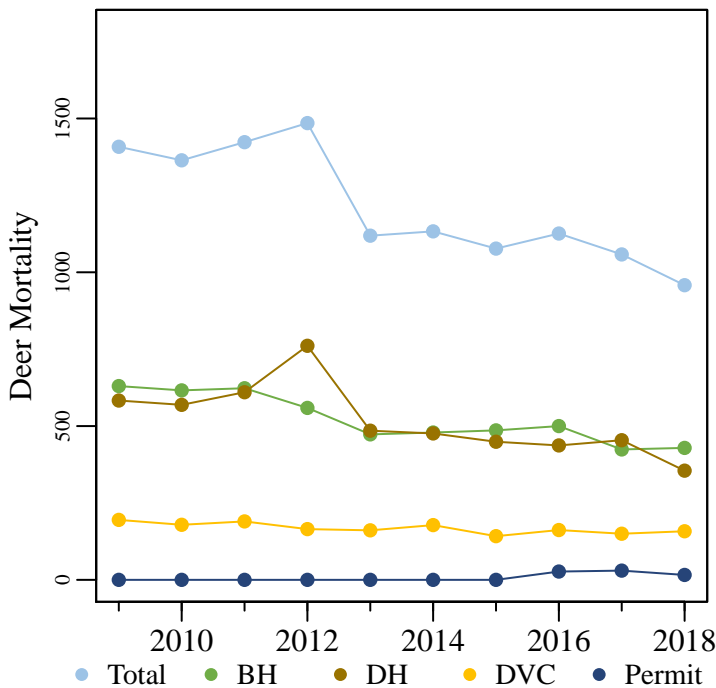
6/26/2019

Total Square Miles: 508  
 Square Miles of Deer Habitat: 40  
 Percent Deer Habitat: 8

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	911		517		12.93	394		9.85	43.25		169		2
2006	954		510		12.75	444		11.10	46.54		211		2
2007	1,021		563		14.07	458		11.45	44.86		205		3
2008	1,210		625		15.62	585		14.62	48.35		230		3
2009	1,213		630		15.75	583		14.57	48.06		195		4
2010	1,185	0.87	616	0.82	15.40	569	0.88	14.22	48.02		179	-1.03	4
2011	1,233	0.96	623	0.66	15.57	610	1.17	15.25	49.47		190	-0.74	8
2012	1,320	1.71	559	-1.90	13.97	761	3.36	19.02	57.65		165	-1.80	8
2013	958	-5.28	473	-4.70	11.82	485	-1.72	12.12	50.63		161	-1.27	4
2014	955	-1.68	479	-1.53	11.97	476	-1.25	11.90	49.84		178	0.00	4
2015	935	-1.18	486	-0.89	12.15	449	-1.13	11.22	48.02		142	-2.79	4
2016	937	-0.79	500	-0.37	12.50	437	-0.92	10.93	46.64	27	162	-0.29	4
2017	878	-0.85	424	-2.17	10.60	454	-0.50	11.35	51.71	30	150	-1.00	4
2018	784	-4.61	429	-1.50	10.72	355	-5.32	8.88	45.28	16	158	-0.37	3

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

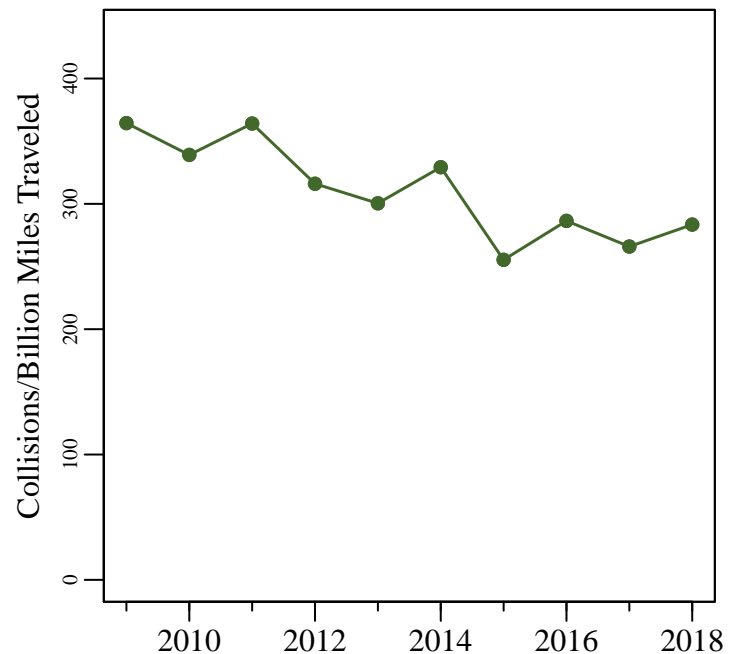


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# White County

6/26/2019

Total Square Miles: 508  
 Square Miles of Deer Habitat: 40  
 Percent Deer Habitat: 8

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	685	302	383	0	0	273	309	75	20	7	1	0	0	0	0	0
2016	705	311	393	1	0	277	339	68	18	2	1	0	0	0	0	0
2017	607	291	313	2	0	204	285	88	25	4	1	0	0	0	0	0
2018	603	237	365	1	0	268	260	69	5	1	0	0	0	0	0	0

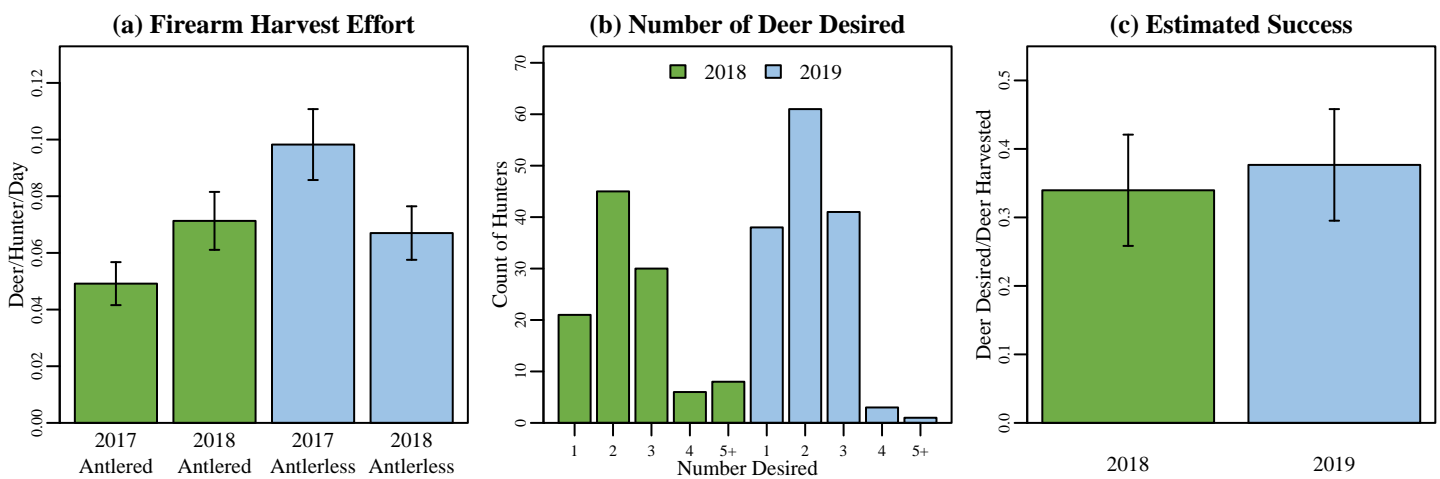
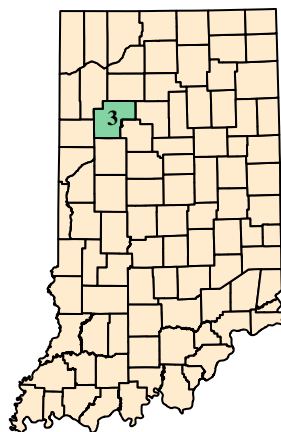


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) White County Map



## (b) Deer Habitat in White County

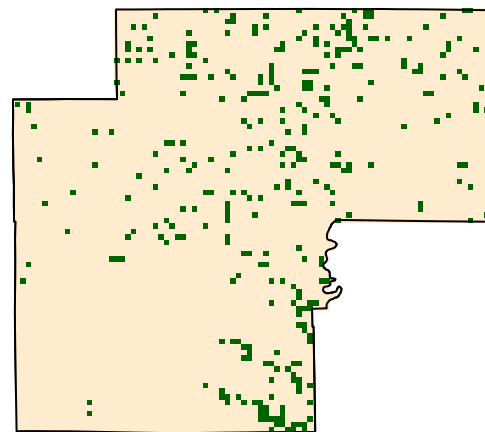


Figure 3. (a) White County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in White County.

# White County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

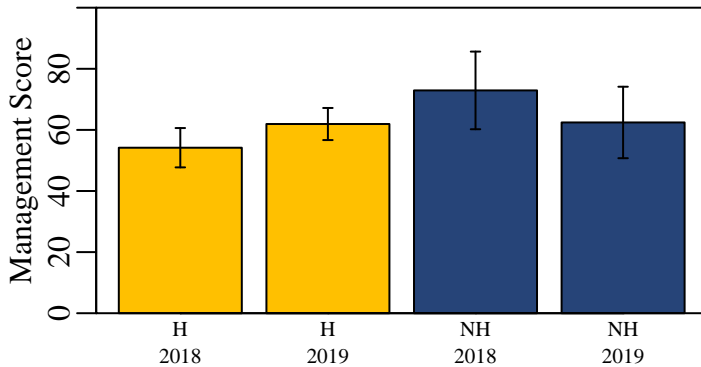


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

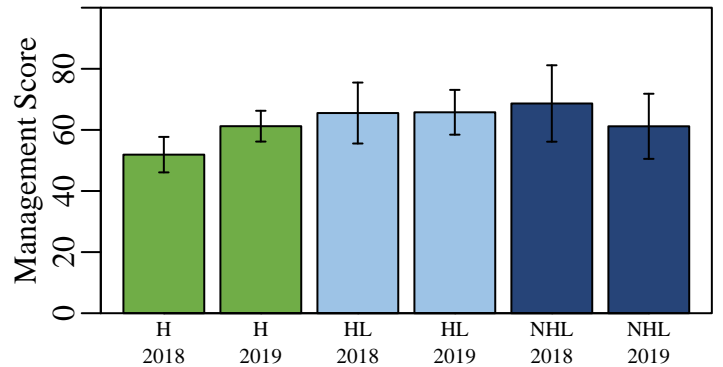


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

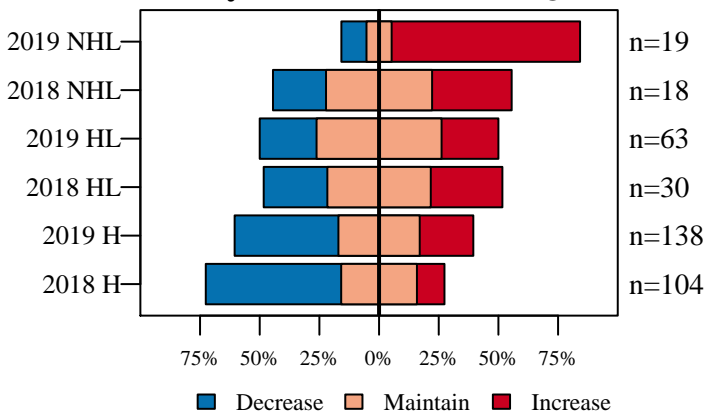


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

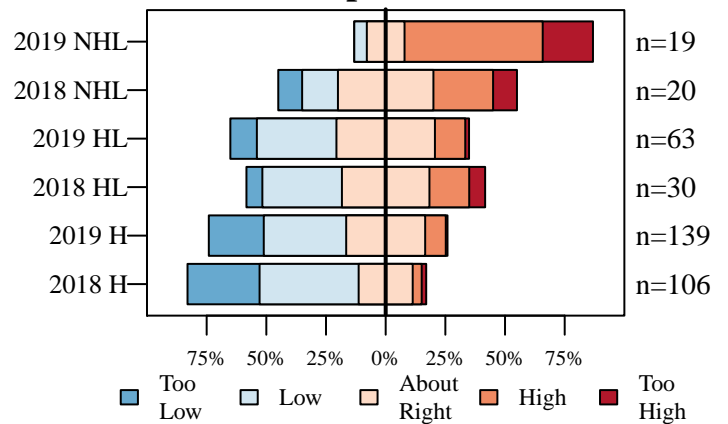


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

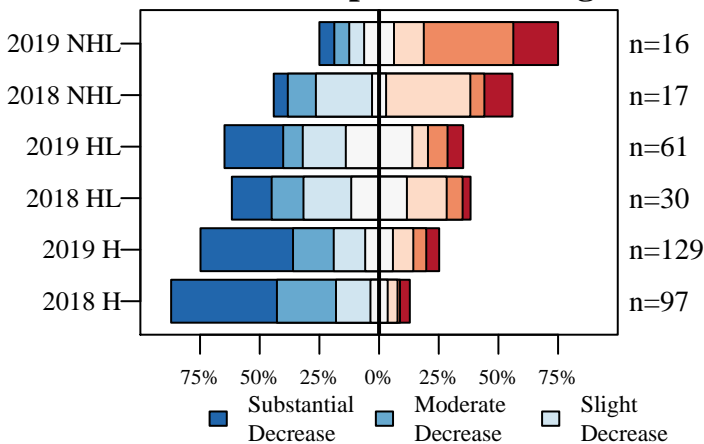


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

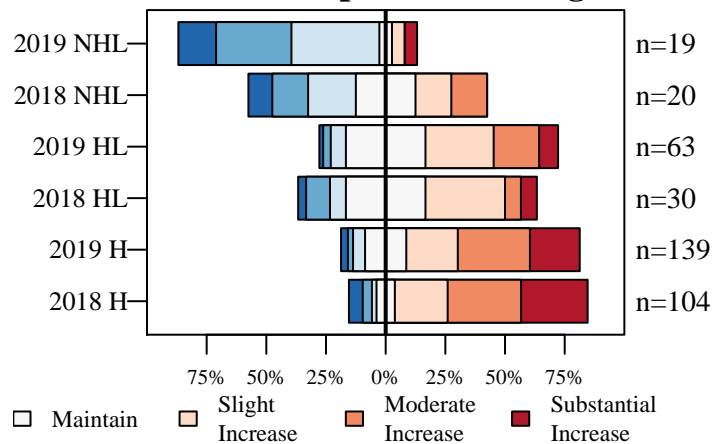


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

# White County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

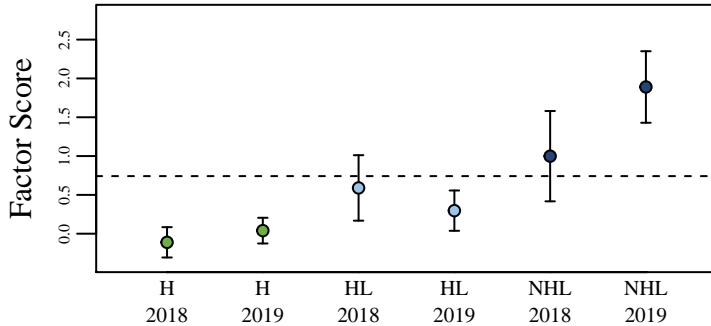


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

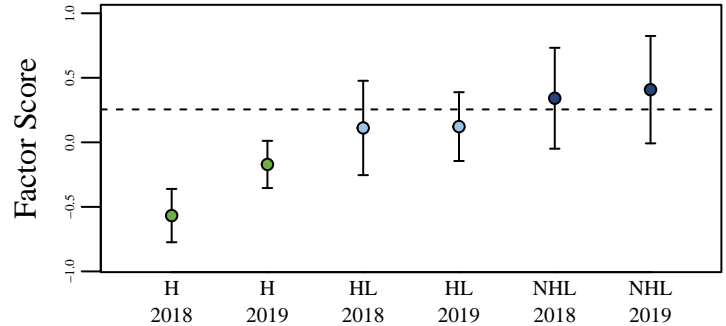


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

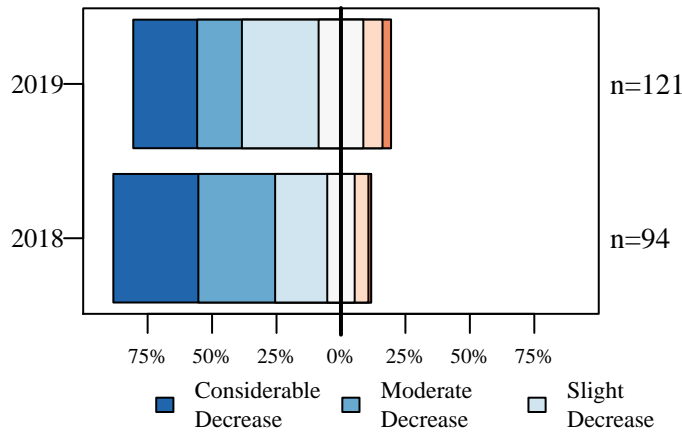


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

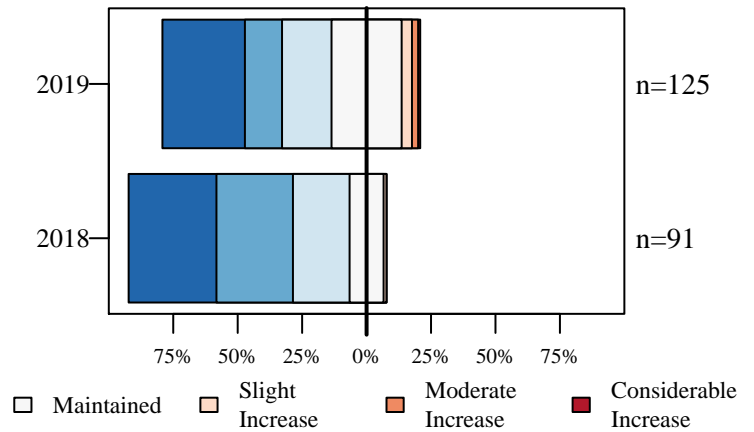


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

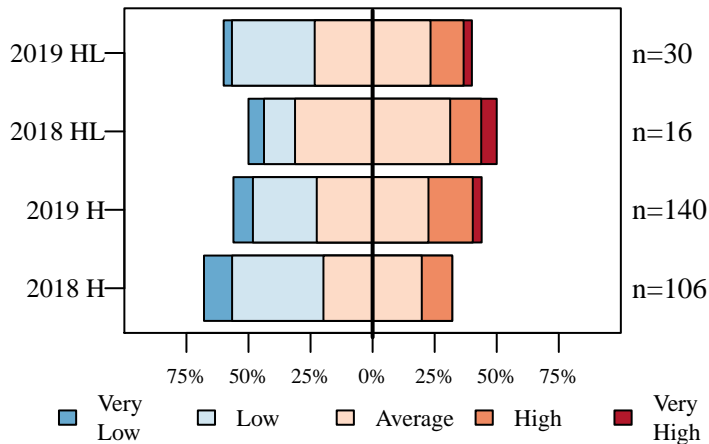


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

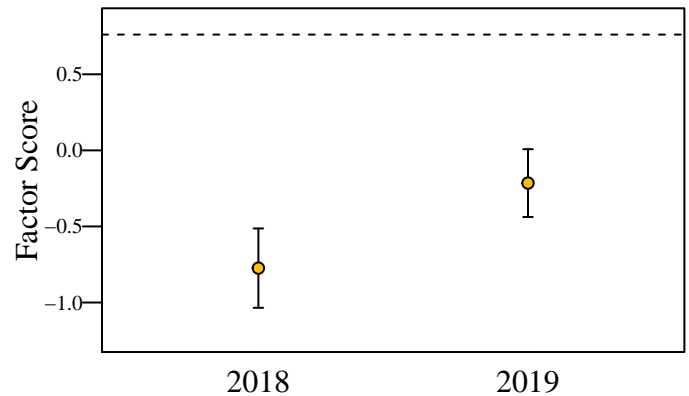


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.

# Whitley County

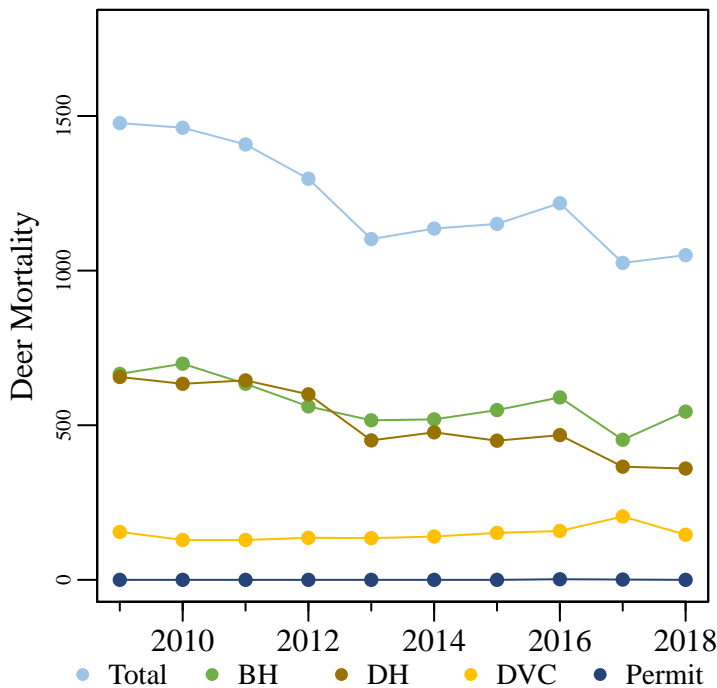
6/26/2019

Total Square Miles: 338  
 Square Miles of Deer Habitat: 52  
 Percent Deer Habitat: 15

Table 1. Total harvest, buck harvest, and doe harvest (error approximately 1 percent). Damage permits are issued by DNR to landowners to control deer damage. Deer vehicle collisions (DVC) are reported by the Indiana Department of Transportation. CBAQ is the antlerless quota of the county. When CBAQ is designated as A, a bonus antlerless deer license can be used to take one antlerless deer starting the last 4 days of the regular firearm season through the end of the deer hunting season. The trend in total harvest, buck harvest, doe harvest, and DVCs are in standard deviations (SD) and are equivalent to effect size. A change greater than 2 SD is considered both a large and statistically significant effect size.

Year	Total	Total Trend in SD	Buck Harvest	Buck Trend in SD	Buck Harvest per SQ MI Habitat	Doe Harvest	Doe Trend in SD	Doe Harvest per SQ MI Habitat	% Doe in Harvest	Damage Permit Deer Taken	Total DVC	DVC Trend in SD	CBAQ
2005	1,405		728		14.00	677		13.02	48.19		133		2
2006	1,283		664		12.77	619		11.90	48.25		146		2
2007	1,286		665		12.79	621		11.94	48.29		131		2
2008	1,363		681		13.10	682		13.12	50.04		119		3
2009	1,322		666		12.81	656		12.62	49.62		155		3
2010	1,333	0.02	699	0.67	13.44	634	-0.57	12.19	47.56		129	-0.56	3
2011	1,279	-1.14	634	-2.71	12.19	645	0.10	12.40	50.43		129	-0.49	4
2012	1,161	-4.49	561	-4.51	10.79	600	-2.05	11.54	51.68		136	0.25	4
2013	967	-4.11	516	-2.44	9.92	451	-6.39	8.67	46.64		135	0.10	3
2014	996	-1.41	519	-1.28	9.98	477	-1.42	9.17	47.89		140	0.30	3
2015	999	-0.90	549	-0.46	10.56	450	-1.23	8.65	45.05		152	3.82	2
2016	1,058	-0.17	590	0.72	11.35	468	-0.62	9.00	44.23	2	158	2.29	2
2017	819	-2.81	453	-3.05	8.71	366	-1.96	7.04	44.69	1	205	5.72	1
2018	904	-0.71	544	0.37	10.46	360	-1.86	6.92	39.82	0	146	-0.18	1

(a) Cumulative Known Deer Mortality



(b) Deer Vehicle Collisions

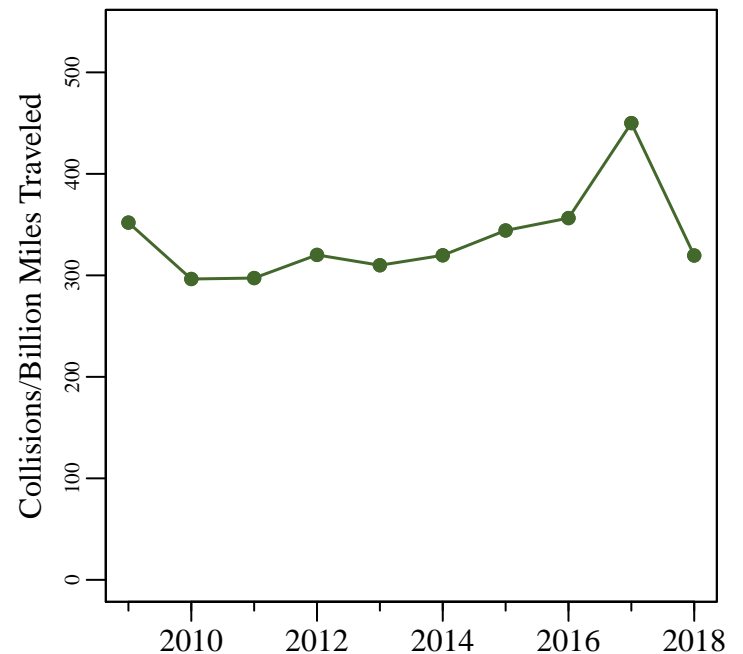


Figure 1. (a) The total known annual deer mortality based on buck harvests (BH), doe harvests (DH), deer vehicle collisions (DVC), and deer permit takes. (b) Deer vehicle collisions per billion miles traveled.

# Whitley County

6/26/2019

Total Square Miles: 338  
 Square Miles of Deer Habitat: 52  
 Percent Deer Habitat: 15

Table 2. Estimated number of antlered (A) and antlerless (AL) deer harvested per hunter. Estimated totals may not match exactly with total number of deer harvested. Reporting errors are examined and investigated as they are located; therefore, subsequent reports may contain corrected totals.

Year	Total Hunters	0 A	1 A	2 A	3 A	0 AL	1 AL	2 AL	3 AL	4 AL	5 AL	6 AL	7 AL	8 AL	9 AL	10 AL
2015	831	384	446	1	0	345	424	59	3	0	0	0	0	0	0	0
2016	861	389	471	1	0	367	411	76	6	1	0	0	0	0	0	0
2017	697	330	366	1	0	286	374	34	3	0	0	0	0	0	0	0
2018	769	307	462	0	0	366	365	37	1	0	0	0	0	0	0	0

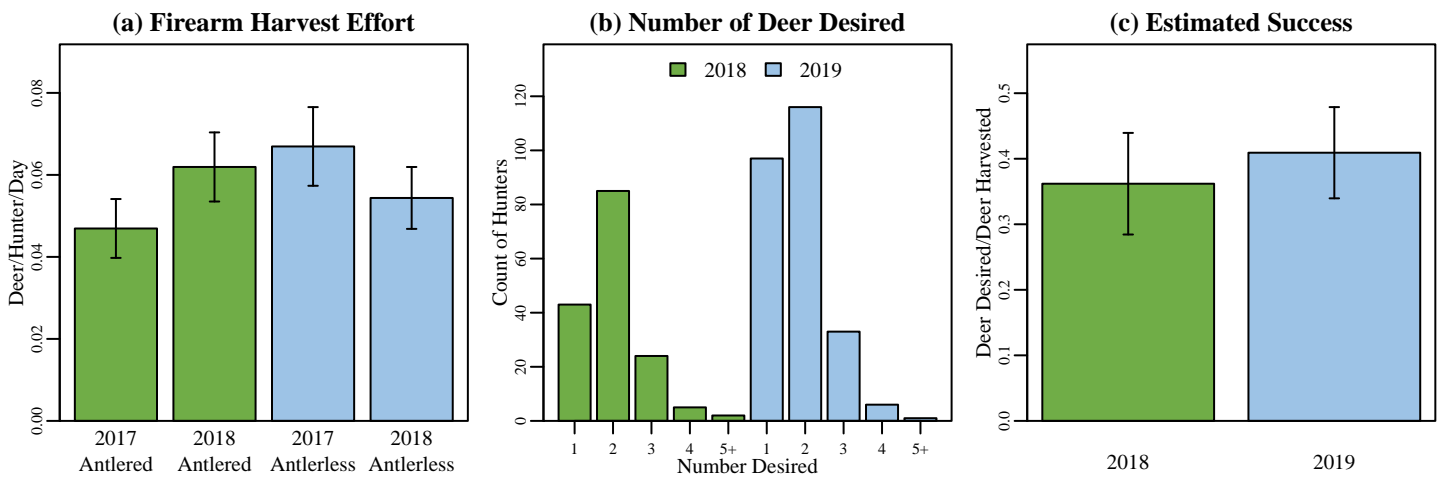
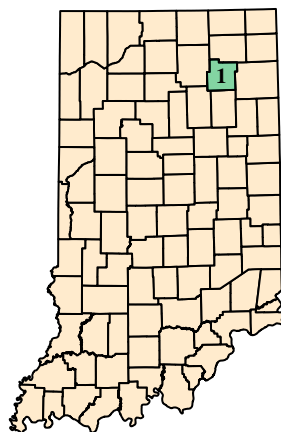


Figure 2. (a) Firearm harvest/effort is the number of deer killed by firearms per hunter divided by the mean number of days hunted per hunter during the firearm season based on data reported in the deer management survey. (b) The annual count of hunters wishing to harvest each number of deer reported in the deer management survey. (c) Success rate is estimated from the deer management survey as the Number of Harvested Deer/Number of Deer Desired (reported only; does not account for attempts that were not made).

## (a) Whitley County Map



## (b) Deer Habitat in Whitley County

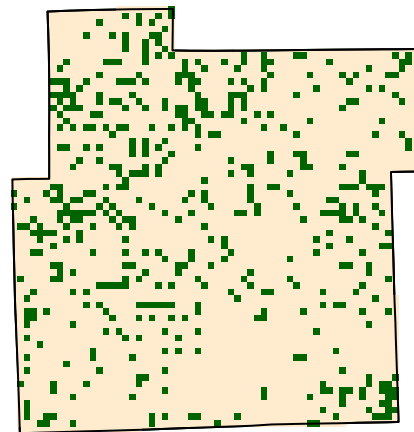


Figure 3. (a) Whitley County with 2018 county bonus antlerless quota. (b) Green represents the land use types classified as deer habitat in Whitley County.

# Whitley County

6/26/2019

## Deer Management Survey Results

### DNR Management Satisfaction: State

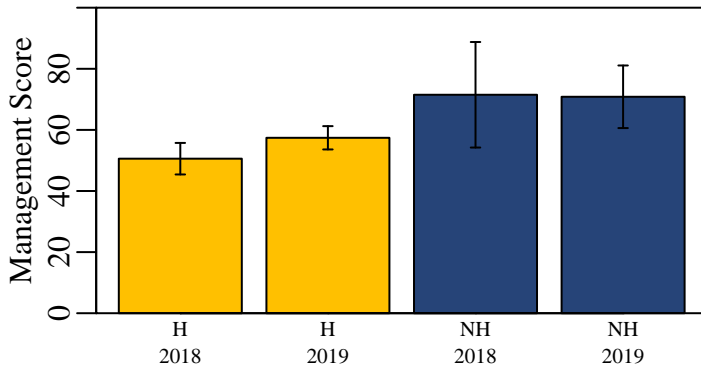


Figure 4. Hunters (H) and nonhunters (NH) were asked to score the DNR's statewide deer management on a scale of 0 (poor) to 100 (excellent).

### DNR Management Satisfaction: County

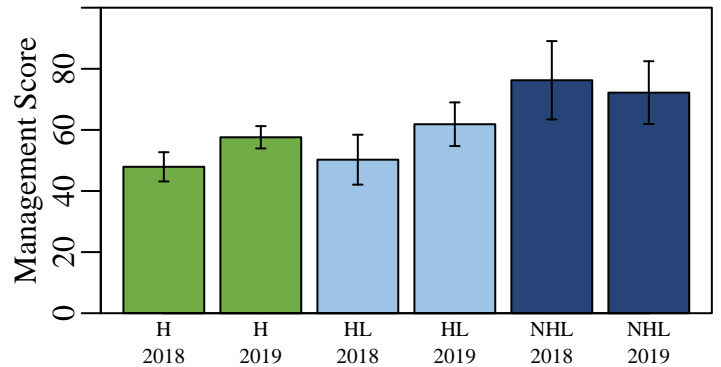


Figure 5. Opinion of county deer management on a scale of 0 (poor) to 100 (excellent) from individuals who hunt in a county (H), individuals that live in a county but hunt elsewhere (HL), and nonhunters that live in a county (NHL).

### County Bonus Antlerless Quota

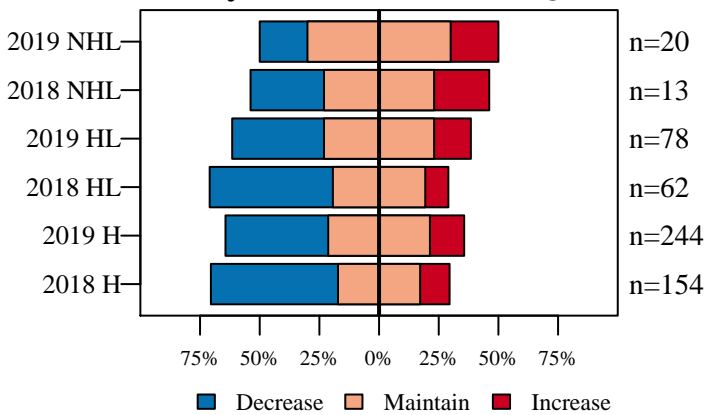


Figure 6. Opinion on how the County Bonus Antlerless Quota should change from nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Deer Population Size

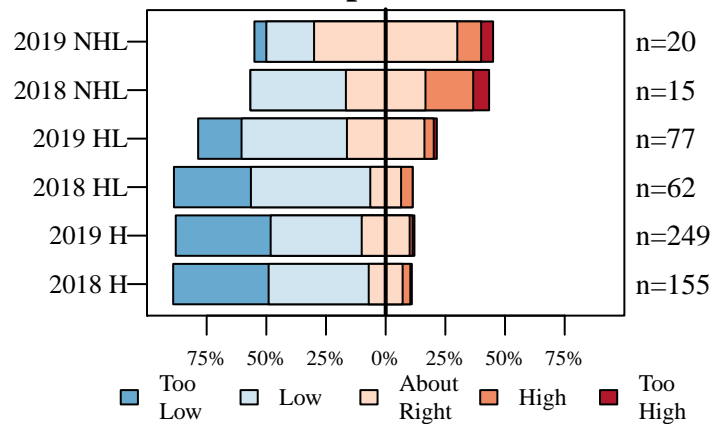


Figure 7. The current size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Perceived Population Change

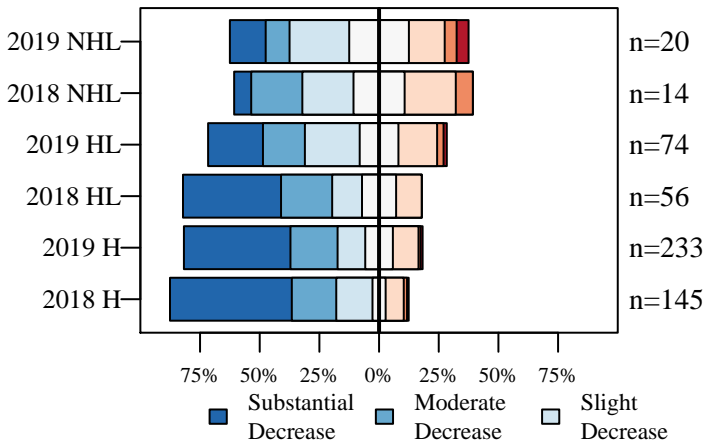


Figure 8. The number of deer seen compared to five years ago described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).

### Desired Population Change

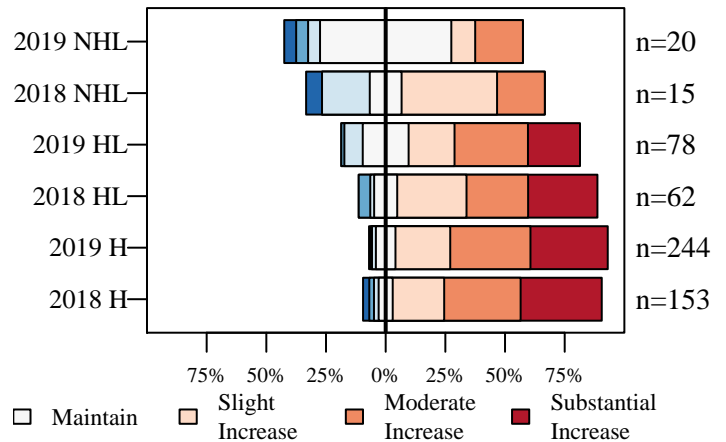


Figure 9. The desired change in the size of the deer population described by nonhunters (NHL) and hunters in the county where they live (HL) and hunters in county where they hunt (H).



# Whitley County

6/26/2019

## Deer Management Survey Results

### Population Size Opinion

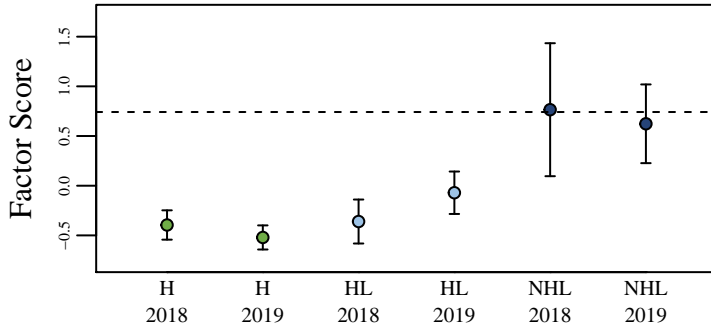


Figure 10. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on the deer population size. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Management Opinion

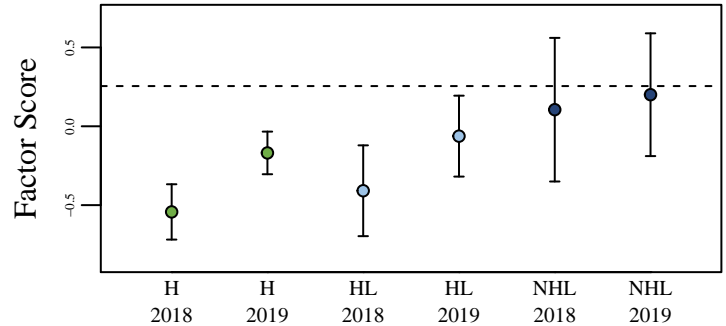


Figure 11. The opinion of nonhunters (NHL) and hunters in the county where they live (HL) and hunters in the county where they hunt (H) on deer management. The score was aggregated using factor analysis of questions asked to all participants. The dashed line represents the score if all questions were answered neutrally.

### Total Harvest Change

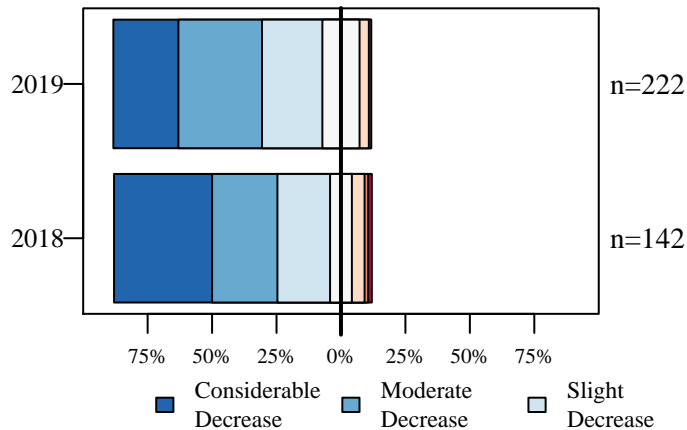


Figure 12. Opinion of hunters on how the total number of harvested deer has changed over the last five years.

### Personal Harvest Change

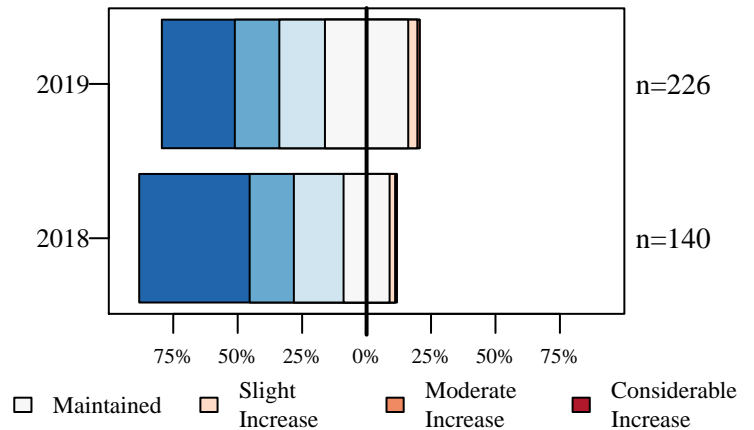


Figure 13. Opinion of hunters on how their personal number of harvested deer has changed over the last five years.

### Buck Quality

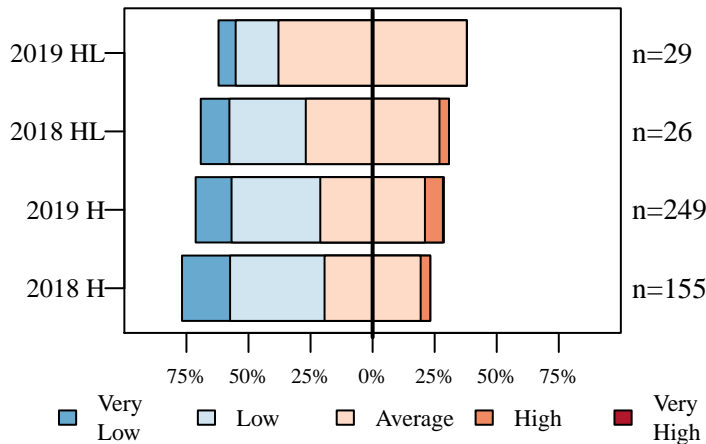


Figure 14. Hunters describe the quality of bucks where they live (HL) and where they hunt (H).

### Hunter Opinion

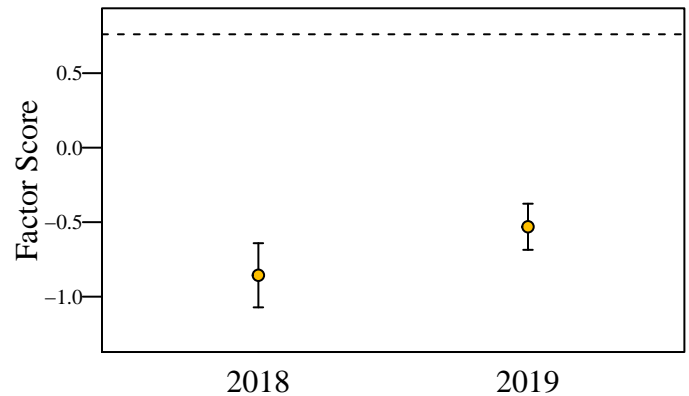


Figure 15. Hunter opinion score over two years of the deer management survey. The score was aggregated using factor analysis of questions asked only to hunters. The dashed line represents the score if all questions were answered neutrally.