

Appendix E-59: Shrub/Scrub

Diseases (of plants that create habitat)	0% (0)	0% (0)	25% (1)	0% (0)	50% (2)	25% (1)	4
Habitat degradation	25% (1)	50% (2)	25% (1)	0% (0)	0% (0)	0% (0)	4
Climate change	0% (0)	0% (0)	25% (1)	0% (0)	0% (0)	75% (3)	4
Stream channelization	0% (0)	0% (0)	0% (0)	25% (1)	75% (3)	0% (0)	4
Impoundment of water/flow regulation	0% (0)	0% (0)	0% (0)	50% (2)	25% (1)	25% (1)	4
Agricultural/forestry practices	25% (1)	50% (2)	25% (1)	0% (0)	0% (0)	0% (0)	4
Residual contamination (persistent toxins)	0% (0)	0% (0)	25% (1)	25% (1)	0% (0)	50% (2)	4
Point source pollution (continuing)	0% (0)	0% (0)	0% (0)	50% (2)	0% (0)	50% (2)	4
Mining/acidification	0% (0)	0% (0)	25% (1)	0% (0)	50% (2)	25% (1)	4
Drainage practices (stormwater runoff)	0% (0)	0% (0)	0% (0)	50% (2)	25% (1)	25% (1)	4
Unknown	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Total Respondents							4

11. Other HABITAT threats to the Wildlife in Shrub/Scrub Habitats in Indiana.

Unknown

Total Respondents **1**

(skipped this question) **3**

12. Please briefly describe the top two HABITAT threats to the Wildlife in Shrub/Scrub Habitats in Indiana identified above.

1. Successional change and fragmentation are the 2 greatest threats on the previous list

2. Any changes in farming practices that causes the loss of escape cover (including treeline, fenceline, and wood's edge).
Habitat loss to development.

3. Ag/Forestry practices - Lack of active management to create/maintain these types of habitats.
Successional change - Due to lack of mgt./disturbance of vegetation.

4. 1. Destruction of habitat by commercial and residential development.
2. Habitat fragmentation that limits seasonal movements and population expansion.

Total Respondents **4**

13. What current monitoring efforts by state agencies are you aware of for the Wildlife in Shrub/Scrub Habitats in Indiana?

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	Yes, these efforts occur	Not aware of these efforts occurring	Response Total
Statewide year-round monitoring conducted by state agencies	25% (1)	75% (3)	4
Statewide once a year monitoring conducted by state agencies	50% (2)	50% (2)	4
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by state agencies	25% (1)	75% (3)	4
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by state agencies	0% (0)	100% (4)	4
Regional or local year-round monitoring conducted by state agencies	25% (1)	75% (3)	4
Regional or local once a year monitoring conducted by state agencies	50% (2)	50% (2)	4
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by state agencies	0% (0)	100% (4)	4
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by state agencies	25% (1)	75% (3)	4
		Total Respondents	4

14. What current monitoring efforts by other organizations are you aware of for the Wildlife in Shrub/Scrub Habitats in Indiana?			
	Yes, these efforts occur	Not aware of these efforts occurring	Response Total
Statewide year-round monitoring conducted by other organizations	25% (1)	75% (3)	4
Statewide once a year monitoring conducted by other organizations	25% (1)	75% (3)	4
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (4)	4
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (4)	4
Regional or local year-round monitoring conducted by other organizations	25% (1)	75% (3)	4
Regional or local once a year monitoring conducted by other organizations	0% (0)	100% (4)	4
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (4)	4
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (4)	4
		Total Respondents	4

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year but still regularly scheduled) monitoring conducted by other organizations							
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	50% (2)	50% (2)		4
Total Respondents							4

17. Regional or local state agency monitoring for the Wildlife in Shrub/Scrub Habitats in Indiana.

1. The Indiana Division of Fish and Wildlife (INDFW) conducts annual spring whistle counts on 77 established routes across the state. The INDFW also conducts biennial surveys of small game license holders to assess bobwhite harvest. However, neither of these surveys are focuses directly towards shrub/scrub habitat.
2. Routes ran throughout the state by Division of Fish and Wildlife biologists.
3. Quail Whistling counts - in selected counties
Hunter/Harvest surveys - by geographic regions
Bird Breeding survey - survey blocks
4. Winamac FWA conducts annual bobwhite whistle call survey on that property.

Total Respondents 4

18. Regional or local monitoring by other organizations for the Wildlife in Shrub/Scrub Habitats in Indiana.

1. Quail Unlimited chapters
2. Not aware of any.
3. Unknown

Total Respondents 3
(skipped this question) 1

19. Please list organizations that are monitoring the Wildlife in Shrub/Scrub Habitats in Indiana.

1. The National Audubon Society conducts the annual breeding bird survey.
2. Quail Unlimited
3. IDNR/Division of Fish & Wildlife
4. Unknown

Total Respondents 4

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20. What are the current monitoring techniques for the Wildlife in Shrub/Scrub Habitats in Indiana?

	Frequently used	Occasionally used	Not used but possible with existing technology and data	Not used and not possible with existing technology and data	Not economically feasible	Unknown	Response Total
Radio telemetry and tracking	0% (0)	0% (0)	50% (2)	0% (0)	50% (2)	0% (0)	4
Modeling	0% (0)	25% (1)	75% (3)	0% (0)	0% (0)	0% (0)	4
Coverboard routes	0% (0)	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Spot mapping	0% (0)	0% (0)	75% (3)	0% (0)	25% (1)	0% (0)	4
Driving a survey route	100% (4)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	4
Reporting from harvest, depredation, or unintentional take (road kill, bycatch)	100% (4)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	4
Mark and recapture	0% (0)	0% (0)	75% (3)	0% (0)	25% (1)	0% (0)	4
Professional survey/census	50% (2)	0% (0)	25% (1)	0% (0)	25% (1)	0% (0)	4
Volunteer survey/census	0% (0)	33% (1)	67% (2)	0% (0)	0% (0)	0% (0)	3
Trapping (by any technique)	0% (0)	0% (0)	75% (3)	0% (0)	25% (1)	0% (0)	4
Representative sites	0% (0)	0% (0)	33% (1)	0% (0)	0% (0)	67% (2)	3
Probabilistic sites	0% (0)	0% (0)	33% (1)	0% (0)	0% (0)	67% (2)	3
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Total Respondents							4

21. Other monitoring techniques for the Wildlife in Shrub/Scrub Habitats in Indiana.

Unknown

Total Respondents **1**
(skipped this question) 3

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22. What one or two monitoring techniques would you recommend for effective conservation of the Wildlife in Shrub/Scrub Habitats in Indiana?

1. I would like to see a radio telemetry study of bobwhites in Indiana because we are lacking most of the baseline data for bobwhites in Indiana. Much of the information we use to manage quail populations comes from studies in other states. I think the whistle counts that are already conducted provide a less intensive (but important) method of tracking the statewide population.

2. Survey Routes

3. Annual Quail Whistling Counts
Annual Hunter/Harvest Surveys

4. 1. Harvest survey
2. Whistle call survey

Total Respondents 4

23. What current HABITAT inventory and assessment efforts or activities by state agencies are you aware of for the Wildlife in Shrub/Scrub Habitats in Indiana?

	Yes, these efforts occur	No effort that I'm aware of	Response Total
Statewide annual inventory and assessment conducted by state agencies	25% (1)	75% (3)	4
Statewide once a year inventory and assessment conducted by state agencies	0% (0)	100% (4)	4
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (4)	4
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (4)	4
Regional or local year-round inventory and assessment conducted by state agencies	25% (1)	75% (3)	4
Regional or local once a year inventory and assessment conducted by state agencies	0% (0)	100% (4)	4
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (4)	4
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (4)	4
Total Respondents			4

24. What current HABITAT inventory and assessment efforts or activities by other organizations are you aware of for the Wildlife in Shrub/Scrub Habitats in Indiana?

Yes, these efforts occur	No effort that I'm aware of	Response Total
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Statewide year-round inventory and assessment conducted by other organizations	25% (1)	75% (3)	4
Statewide once a year inventory and assessment conducted by other organizations	0% (0)	100% (4)	4
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	25% (1)	75% (3)	4
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	100% (4)	4
Regional or local year-round inventory and assessment conducted by other organizations	25% (1)	75% (3)	4
Regional or local once a year inventory and assessment conducted by other organizations	0% (0)	100% (3)	3
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	100% (4)	4
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	100% (4)	4
		Total Respondents	4

25. How crucial are these HABITAT efforts by state agencies for the conservation of the Wildlife in Shrub/Scrub Habitats in Indiana?

	These efforts are very crucial for this HABITAT	These efforts are somewhat crucial for this HABITAT	These efforts are slightly crucial for this HABITAT	These efforts are not crucial for this HABITAT	Unknown	Response Total
Statewide annual inventory and assessment conducted by state agencies	25% (1)	0% (0)	0% (0)	50% (2)	25% (1)	4
Statewide once a year inventory and assessment conducted by state agencies	0% (0)	25% (1)	0% (0)	50% (2)	25% (1)	4
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	25% (1)	25% (1)	0% (0)	25% (1)	25% (1)	4
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	75% (3)	25% (1)	4
Regional or local year-round inventory and assessment conducted by state agencies	25% (1)	0% (0)	0% (0)	50% (2)	25% (1)	4
Regional or local once a year inventory						

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Total Respondents 4

27. Regional or local state agency HABITAT inventory and assessment for the Wildlife in Shrub/Scrub Habitats in Indiana.

1. I am not aware of any agency monitoring this habitat type but I would like to see remotely sensed data used to track statewide and regional changes in acreage over the last 30+ years.

2. Statewide

3. Unknown

Total Respondents 3

(skipped this question) 1

28. Regional or local HABITAT inventory and assessment by other organizations for the Wildlife in Shrub/Scrub Habitats in Indiana.

1. I'm not aware of any other agency monitoring this habitat type but it is likely that one of the state universities has remotely sensed data that could be used to monitor changes in acreage over a number of years.

2. Unknown

3. Statewide by regions

4. Unknown

Total Respondents 4

29. Please list organizations that are monitoring this HABITAT for the Wildlife in Shrub/Scrub Habitats in Indiana.

1. Quail Unlimited

2. USDA/Forest Service/NC Research Station

3. Unknown

Total Respondents 3

(skipped this question) 1

30. What are the current HABITAT inventory and/or assessment techniques for the Wildlife in Shrub/Scrub Habitats in Indiana?

If a technique is not applicable to the Wildlife in Shrub/Scrub Habitats, do not select a response in that row.

Frequently used	Occasionally used	Not used but possible with existing	Not used and not possible with existing	Not economically feasible	Unknown	Response Total
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			technology and data	technology and data			
GIS mapping	25% (1)	25% (1)	25% (1)	0% (0)	0% (0)	25% (1)	4
Aerial photography and analysis	0% (0)	50% (2)	25% (1)	0% (0)	0% (0)	25% (1)	4
Systematic sampling	0% (0)	0% (0)	33% (1)	0% (0)	0% (0)	67% (2)	3
Property tax estimates	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
State revenue data	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Regulatory information	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Participation in landuse programs	33% (1)	33% (1)	0% (0)	0% (0)	0% (0)	33% (1)	3
Modeling	0% (0)	0% (0)	67% (2)	0% (0)	0% (0)	33% (1)	3
Voluntary landowner reporting	0% (0)	0% (0)	67% (2)	0% (0)	0% (0)	33% (1)	3
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Total Respondents							4

31. Other HABITAT inventory and assessment techniques for the Wildlife in Shrub/Scrub Habitats in Indiana.	
Unknown	
Total Respondents	1
(skipped this question)	3

32. What one or two HABITAT inventory and assessment techniques would you recommend for effective conservation of the Wildlife in Shrub/Scrub Habitats in Indiana?	
1. I would like to see remotely sensed data used to monitor changes in statewide and regional acreage and distribution. It would be interesting and useful to see how trends in shrub/scrub habitat relate to the INDFW bobwhite whistle indices.	
2. Participation in land use programs.	
3. GIS analysis of habitat types	
4. Unknown	
Total Respondents	4

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33. What is the current body of science for the Wildlife in Shrub/Scrub Habitats in Indiana?

		Response Total	Response Percent
Complete, up to date and extensive		0	0%
Adequate		1	25%
Inadequate		2	50%
Nonexistent		0	0%
Other (please explain below)	 Inadequate - Most research not specific to Indiana	1	25%
Total Respondents		4	

34. Please provide a citation (title, author, date, publisher) that would give the best overview of the Wildlife in Shrub/Scrub Habitats in Indiana, if available. This resource may be used if further detail is needed.

Title = Bobwhite Quail Investigation
 Author = Maurice C. Reeves
 Date = 1954
 Publisher = Indiana Department of Conservation

Title = 2003 Breeding Population Index of Northern Bobwhite Quail
 Author = James C. Pitman
 Date = July 16, 2004
 Publisher = IDNR F&W

Title = Unknown/Quail Investigations
 Author = Maurice Reeves
 Date = Unknown/Old
 Publisher = IDNR/Division of Fish & Wildlife

35. If possible, please provide a second citation (title, author, date, publisher) that would give another good overview of the Wildlife in Shrub/Scrub Habitats in Indiana. This resource may also be used if further detail is needed.

Title = On the edge: a guide to managing for bobwhite quail
 Author = T. Dailey and T. Hutton
 Date = 2003
 Publisher = Missouri Department of Conservation

Title = Population Ecology of the Bobwhite
 Author = John L Roseberry
 Date = 1984
 Publisher = SIU Press

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36. What is the current HABITAT body of science for the Wildlife in Shrub/Scrub Habitats in Indiana?

		Response Total	Response Percent
Complete, up to date and extensive		0	0%
Adequate		1	25%
Inadequate		2	50%
Nonexistent		1	25%
Other (please explain below)		0	0%
Total Respondents		4	

37. Please provide a citation (title, author, date, publisher) that would give the best HABITAT overview of the Wildlife in Shrub/Scrub Habitats in Indiana, if available. This resource may be used if further detail is needed.

Title = Some Aspects of the Relationship between Land and Utilization and Bobwhite Quail
 Author = John L. Roseberry
 Date = 1960
 Publisher = SIU Press

Title = Population Ecology of the Bobwhite
 Author = John L Roseberry
 Date = 1984
 Publisher = SIU Press

38. If possible, please provide a second citation (title, author, date, publisher) that would give another good HABITAT overview of the Wildlife in Shrub/Scrub Habitats in Indiana. This resource may also be used if further detail is needed.

Title = The Bobwhite Quail - Its Life and Management
 Author = Walter Rosene
 Date = 1969
 Publisher = Rutgers University Press

39. What are the research needs for the Wildlife in Shrub/Scrub Habitats in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total						
Life cycle	25% (1)	25% (1)	25% (1)	25% (1)	0% (0)	0% (0)	4						
Distribution and abundance	25% (1)	75% (3)	0% (0)	0% (0)	0% (0)	0% (0)	4						
Limiting factors (food, shelter, water, breeding sites)	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	0% (0)	4						
Threats (predators/competition, contamination)	25% (1)	50% (2)	0% (0)	25% (1)	0% (0)	0% (0)	4						

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Relationship/dependence on specific habitats	25% (1)	50% (2)	25% (1)	0% (0)	0% (0)	0% (0)	4	
Population health (genetic and physical)	25% (1)	25% (1)	50% (2)	0% (0)	0% (0)	0% (0)	4	
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0	
							Total Respondents	4

40. Other research needs for the Wildlife in Shrub/Scrub Habitats in Indiana.

Dispersal and repopulation methods of isolated habitats.

Total Respondents **1**

(skipped this question) **3**

41. What are the HABITAT research needs for the Wildlife in Shrub/Scrub Habitats in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total	
Successional changes	0% (0)	40% (2)	60% (3)	0% (0)	0% (0)	0% (0)	5	
Distribution and abundance (fragmentation)	20% (1)	60% (3)	20% (1)	0% (0)	0% (0)	0% (0)	5	
Threats (land use change/competition, contamination/global warming)	0% (0)	80% (4)	0% (0)	20% (1)	0% (0)	0% (0)	5	
Relationship/dependence on specific site conditions	0% (0)	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	4	
Growth and development of individual components of the habitat	0% (0)	40% (2)	20% (1)	20% (1)	20% (1)	0% (0)	5	
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0	
							Total Respondents	4

42. Other HABITAT research needs for the Wildlife in Shrub/Scrub Habitats in Indiana.

Location and distribution of shrub/scrub habitat.

Total Respondents **1**

(skipped this question) **3**

43. How well do the following conservation efforts address the threats to the Wildlife in Shrub/Scrub Habitats in Indiana?

Very well **Somewhat** **Not at all** **Not used** **Unknown** **Response Total**

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Habitat protection (use below for details)	25% (1)	75% (3)	0% (0)	0% (0)	0% (0)	4
Population management (hunting, trapping)	25% (1)	50% (2)	25% (1)	0% (0)	0% (0)	4
Population enhancement (captive breeding and release)	0% (0)	0% (0)	50% (2)	50% (2)	0% (0)	4
Reintroduction (restoration)	0% (0)	0% (0)	25% (1)	25% (1)	50% (2)	4
Food plots	25% (1)	50% (2)	0% (0)	0% (0)	25% (1)	4
Threats reduction	0% (0)	0% (0)	0% (0)	25% (1)	75% (3)	4
Native predator control	0% (0)	25% (1)	0% (0)	50% (2)	25% (1)	4
Exotic/invasive species control	0% (0)	50% (2)	25% (1)	0% (0)	25% (1)	4
Regulation of collecting	0% (0)	50% (2)	0% (0)	50% (2)	0% (0)	4
Disease/parasite management	0% (0)	0% (0)	0% (0)	25% (1)	75% (3)	4
Translocation to new geographic range	0% (0)	0% (0)	0% (0)	50% (2)	50% (2)	4
Protection of migration routes	0% (0)	0% (0)	50% (2)	25% (1)	25% (1)	4
Limiting contact with pollutants/contaminants	0% (0)	25% (1)	25% (1)	25% (1)	25% (1)	4
Public education to reduce human disturbance	25% (1)	50% (2)	0% (0)	25% (1)	0% (0)	4
Culling/selective removal	0% (0)	0% (0)	0% (0)	100% (4)	0% (0)	4
Stocking	0% (0)	0% (0)	25% (1)	75% (3)	0% (0)	4
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
						Total Respondents 4

44. Other current conservation practices for the Wildlife in Shrub/Scrub Habitats in Indiana.

Unknown

Total Respondents 1

(skipped this question) 3

45. What one or two specific practices would you recommend for more effective conservation of the Wildlife in Shrub/Scrub Habitats in Indiana?

1. The most important practice that would benefit bobwhites in shrub/scrub habitat would be to spend more time educating the public about what constitutes suitable quail habitat.

2. Restoration of Habitat

3. Habitat protection, development and maintenance.

4. 1. Establishment of more shrub/scrub habitat.

2. Vegetative succession control to provide early successional plant species.

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Total Respondents 4

46. How well do the following conservation efforts address the HABITAT threats to the Wildlife in Shrub/Scrub Habitats in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection through regulation	0% (0)	75% (3)	0% (0)	25% (1)	0% (0)	4
Habitat protection on public lands	25% (1)	75% (3)	0% (0)	0% (0)	0% (0)	4
Habitat protection incentives (financial)	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	4
Habitat restoration through regulation	0% (0)	25% (1)	25% (1)	50% (2)	0% (0)	4
Habitat restoration on public lands	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	4
Habitat restoration incentives (financial)	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	4
Artificial habitat creation (artificial reefs, nesting platforms)	0% (0)	0% (0)	0% (0)	75% (3)	25% (1)	4
Selective use of functionally equivalent exotic species in place of extirpated natives	25% (1)	0% (0)	0% (0)	50% (2)	25% (1)	4
Succession control (fire, mowing)	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	4
Corridor development/protection	25% (1)	75% (3)	0% (0)	0% (0)	0% (0)	4
Managing water regimes	0% (0)	0% (0)	0% (0)	75% (3)	25% (1)	4
Pollution reduction	0% (0)	0% (0)	0% (0)	25% (1)	75% (3)	4
Protection of adjacent buffer zone	25% (1)	50% (2)	0% (0)	0% (0)	25% (1)	4
Restrict public access and disturbance	0% (0)	50% (2)	25% (1)	0% (0)	25% (1)	4
Land use planning	25% (1)	50% (2)	0% (0)	0% (0)	25% (1)	4
Technical assistance	50% (2)	50% (2)	0% (0)	0% (0)	0% (0)	4
Cooperative land management agreements (conservation easements)	25% (1)	75% (3)	0% (0)	0% (0)	0% (0)	4
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
				Total Respondents		4

47. Other current HABITAT conservation practices for the Wildlife in Shrub/Scrub Habitats in Indiana.

Unknown

Total Respondents 1

(skipped this question) 3

48. What one or two specific HABITAT practices would you recommend for more effective conservation of the Wildlife in Shrub/Scrub Habitats in Indiana?

1. Setting back succession with burning or disking are the 2 most productive habitat practices. The INDFW already provides financial incentive to maintain or establish bobwhite habitat on private land. These incentives do help some to

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provide quality bobwhite habitat.

2. More incentives to restore habitat.

3. Woodland edge feathering
Shrub corridor/hedgerow development

4. 1. Provide financial incentives to establish habitat.
2. Technical assistance to maintain habitat in shrub/scrub type.

Total Respondents 4

49. Do you have any additional comments or information on the Wildlife in Shrub/Scrub Habitats that you feel would be useful in the development of the Indiana Comprehensive Wildlife Strategy?

1. Shrub/scrub habitats alone will not support a viable Northern Bobwhite population. Other essential habitats would include: wildlife friendly clump grasses/legumes/forbs, annual crops and/or moderately disturbed ground. All of these habitat types must be in close proximity to shrub/scrub habitats to meet the birds living requirements.

2. None.

Total Respondents 2

(skipped this question) 2