

Appendix E-53: Haylands

(overwintering habitats, nesting and staging sites)

Genetic pollution (hybridization)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	0% (0)	2
Unknown	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents							18

8. Other threats to the Wildlife in Hayland Grassland Habitats in Indiana.

1. Early harvesting of hay crops.

Total Respondents **1**

(skipped this question) 2

9. Please briefly describe the top two threats to the Wildlife in Hayland Grassland Habitats in Indiana identified above.

1. Habitat loss and fragmentation create small, isolated patches where nest predation and brood parasitism tend to increase.
The timing and frequency of haying, as well as the cover type (alfalfa) can negatively affect nest success and limit productivity.

Total Respondents **1**

(skipped this question) 2

10. Please rank the following threats to the HABITAT of the Wildlife in Hayland Grassland Habitats in Indiana.

	Critical threat	Serious threat	Somewhat of a threat	Slight threat	No threat	Unknown	Response Total
Commercial or residential development (sprawl)	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	0% (0)	2
Counterproductive financial incentives or regulations	0% (0)	50% (1)	0% (0)	0% (0)	0% (0)	50% (1)	2
Invasive/non-native species	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	2
Nonpoint source pollution (sedimentation and nutrients)	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	2
Habitat fragmentation	0% (0)	100% (2)	0% (0)	0% (0)	0% (0)	0% (0)	2
Successional change	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	2
Diseases (of plants that create habitat)	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	2
Habitat degradation	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Climate change	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1

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agencies			
Regional or local year-round monitoring conducted by state agencies	50% (1)	50% (1)	2
Regional or local once a year monitoring conducted by state agencies	50% (1)	50% (1)	2
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by state agencies	50% (1)	50% (1)	2
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by state agencies	50% (1)	50% (1)	2
		Total Respondents	16

14. What current monitoring efforts by other organizations are you aware of for the Wildlife in Hayland Grassland Habitats in Indiana?			
	Yes, these efforts occur	Not aware of these efforts occurring	Response Total
Statewide year-round monitoring conducted by other organizations	0% (0)	100% (2)	2
Statewide once a year monitoring conducted by other organizations	0% (0)	100% (2)	2
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (2)	2
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by other organizations	50% (1)	50% (1)	2
Regional or local year-round monitoring conducted by other organizations	50% (1)	50% (1)	2
Regional or local once a year monitoring conducted by other organizations	100% (2)	0% (0)	2
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by other organizations	50% (1)	50% (1)	2
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	100% (2)	0% (0)	2
		Total Respondents	16

15. How crucial are these monitoring efforts by state agencies for the conservation of the Wildlife in Hayland Grassland Habitats in Indiana?						
	Very crucial	Somewhat crucial	Slightly crucial	Not crucial	Unknown	Response Total
Statewide year-round monitoring conducted by state agencies	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2

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Total Respondents 15

17. Regional or local state agency monitoring for the Wildlife in Hayland Grassland Habitats in Indiana.

- 1. IDNR's Nongame and Endangered Wildlife Program

Total Respondents 1

(skipped this question) 2

18. Regional or local monitoring by other organizations for the Wildlife in Hayland Grassland Habitats in Indiana.

- 1. Breeding Bird Survey routes are scattered throughout the state depending on volunteer participation. Local intensive surveys, nest monitoring, or mark-recapture studies.

Total Respondents 1

(skipped this question) 2

19. Please list organizations that are monitoring the Wildlife in Hayland Grassland Habitats in Indiana.

- 1. Indiana Academy of Science, Indiana Audubon Society, an local chapters of NAS worked with IDNR to complete Breeding Bird Atlas (1985-1990)
USGS Bird Banding Lab coordinates BBS
Universities such as Purdue complete local-level research projects

Total Respondents 1

(skipped this question) 2

20. What are the current monitoring techniques for the Wildlife in Hayland Grassland 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)	100% (1)	0% (0)	0% (0)	0% (0)	1
Modeling	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Coverboard routes	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Spot mapping	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2

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Driving a survey route	100% (2)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	2
Reporting from harvest, depredation, or unintentional take (road kill, bycatch)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Mark and recapture	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Professional survey/census	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Volunteer survey/census	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	0% (0)	2
Trapping (by any technique)	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Representative sites	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Probabilistic sites	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents							15

21. Other monitoring techniques for the Wildlife in Hayland Grassland Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) **3**

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

1. point counts during breeding season
2. Establish more Breeding Bird Survey routes <http://www.pwrc.usgs.gov/bbs/>
Conduct point counts on private lands. If possible estimate nest success too.

Total Respondents **2**

(skipped this question) **1**

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

Yes, these efforts occur	No effort that I'm aware of	Response Total
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Statewide annual inventory and assessment conducted by state agencies	50% (1)	50% (1)	2
Statewide once a year inventory and assessment conducted by state agencies	0% (0)	100% (2)	2
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	50% (1)	50% (1)	2
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	50% (1)	50% (1)	2
Regional or local year-round inventory and assessment conducted by state agencies	50% (1)	50% (1)	2
Regional or local once a year inventory and assessment conducted by state agencies	0% (0)	100% (2)	2
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (2)	2
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (2)	2
		Total Respondents	16

24. What current HABITAT inventory and assessment efforts or activities by other organizations are you aware of for the Wildlife in Hayland Grassland Habitats in Indiana?	Yes, these efforts occur	No effort that I'm aware of	Response Total
Statewide year-round inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Statewide once a year inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Regional or local year-round inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Regional or local once a year inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	50% (1)	50% (1)	2
		Total Respondents	16

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25. How crucial are these HABITAT efforts by state agencies for the conservation of the Wildlife in Hayland Grassland 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	0% (0)	100% (2)	0% (0)	0% (0)	0% (0)	2
Statewide once a year inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Regional or local year-round inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Regional or local once a year inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
						Total Respondents
						9

26. How crucial are these HABITAT efforts by other organizations for the conservation of the Wildlife in Hayland Grassland 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

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Statewide year-round inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Statewide once a year inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Regional or local year-round inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Regional or local once a year inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0													
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1													
Total Respondents						7													

27.	Regional or local state agency HABITAT inventory and assessment for the Wildlife in Hayland Grassland Habitats in Indiana.	
1.	Annual and 5-year-census, county-level reports of acreage planted to various hay cover types and acreage harvested.	
Total Respondents		1
(skipped this question)		2

28.	Regional or local HABITAT inventory and assessment by other organizations for the Wildlife in Hayland Grassland Habitats in Indiana.	
No responses were entered for this question.		
Total Respondents		0
(skipped this question)		3

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29. Please list organizations that are monitoring this HABITAT for the in Indiana.

1. USDA National Agricultural Statistics Service for Indiana <http://www.nass.usda.gov/in/>

Total Respondents 1

(skipped this question) 2

30. What are the current HABITAT inventory and/or assessment techniques for the Wildlife in Hayland Grassland 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
GIS mapping	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1
Aerial photography and analysis	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Systematic sampling	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Property tax estimates	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
State revenue data	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Regulatory information	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Participation in landuse programs	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1
Modeling	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Voluntary landowner reporting	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents							9

31. Other HABITAT inventory and assessment techniques for the Wildlife in Hayland Grassland Habitats in Indiana.

No responses were entered for this question.

Total Respondents 0

(skipped this question) 3

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32. What one or two HABITAT inventory and assessment techniques would you recommend for effective conservation of the Wildlife in Hayland Grassland Habitats in Indiana?

1. Survey of hay harvest dates and frequencies each year

Total Respondents	1
(skipped this question)	2

33. What is the current body of science for the Wildlife in Hayland Grassland Habitats in Indiana?

	Response Total	Response Percent
Complete, up to date and extensive	0	0%
Adequate	0	0%
Inadequate	1	100%
Nonexistent	0	0%
Other (please explain below)	0	0%
Total Respondents	1	
(skipped this question)		2

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

Title = Atlas of Breeding Birds of Indiana
 Author = J.S. Castrale, E.M. Hopkins, & C.E. Keller
 Date = 1998
 Publisher = IDNR

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

Title = Effects of management practices on grassland birds: Bobolink
 Author = Dechant, J.A., M.L. Sondreal, D.H. Johnson, L.D. Igl, C.M. Goldade, A.L. Zimmerman and B.R. Euliss
 Date = 2001
 Publisher = Northern Prairie Wildlife Research Center

Response Total	Response Percent
(skipped this question)	2

36. What is the current HABITAT body of science for the Wildlife in Hayland Grassland Habitats in Indiana?

Response Total	Response Percent
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Complete, up to date and extensive	0	0%
Adequate	0	0%
Inadequate	1	100%
Nonexistent	0	0%
Other (please explain below)	0	0%
Total Respondents		1
(skipped this question)		2

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

	Response Total	Response Percent
Title	0	0%
Author	0	0%
Date	0	0%
Publisher	0	0%
Total Respondents		0
(skipped this question)		3

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

	Response Total	Response Percent
Title	0	0%
Author	0	0%
Date	0	0%
Publisher	0	0%
Total Respondents		0
(skipped this question)		3

39. What are the research needs for the Wildlife in Hayland Grassland Habitats in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Life cycle	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1

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Distribution and abundance	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Limiting factors (food, shelter, water, breeding sites)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Threats (predators/competition, contamination)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Relationship/dependence on specific habitats	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Population health (genetic and physical)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Other (please specify below)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
							Total Respondents
							7

40. Other research needs for the in Indiana.

View responses to this question [view](#)

Total Respondents **1**

(skipped this question) **2**

41. What are the HABITAT research needs for the Wildlife in Hayland Grassland Habitats in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Successional changes	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Distribution and abundance (fragmentation)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Threats (land use change/competition, contamination/global warming)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Relationship/dependence on specific site conditions	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Growth and development of individual components of the habitat	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Other (please specify below)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1
							Total Respondents
							6

42. Other HABITAT research needs for the Wildlife in Hayland Grassland Habitats in Indiana.

1. Timing and frequency of haying and other agricultural disturbances

Total Respondents **1**

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(skipped this question)

2

43. How well do the following conservation efforts address the threats to the Wildlife in Hayland Grassland Habitats in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection (use below for details)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Population management (hunting, trapping)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Population enhancement (captive breeding and release)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Reintroduction (restoration)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Food plots	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Threats reduction	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Native predator control	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Exotic/invasive species control	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Regulation of collecting	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Disease/parasite management	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Translocation to new geographic range	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Protection of migration routes	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Limiting contact with pollutants/contaminants	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Public education to reduce human disturbance	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Culling/selective removal	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Stocking	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Other (please specify below)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
				Total Respondents		17

44. Other current conservation practices for the Wildlife in Hayland Grassland Habitats in Indiana.

1. Restoration of native grasslands, and increased enrollment in Conservation Reserve Program provide refuges from agricultural disturbances (provided the proper vegetation structure is maintained).

Total Respondents 1

(skipped this question)

2

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

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1. Time and haying and grazing around the breeding cycle - before May or after June.

Total Respondents **1**

(skipped this question) **2**

46. How well do the following conservation efforts address the HABITAT threats to the Wildlife in Hayland Grassland Habitats in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection through regulation	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Habitat protection on public lands	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Habitat protection incentives (financial)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Habitat restoration through regulation	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Habitat restoration on public lands	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Habitat restoration incentives (financial)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Artificial habitat creation (artificial reefs, nesting platforms)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Selective use of functionally equivalent exotic species in place of extirpated natives	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Succession control (fire, mowing)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Corridor development/protection	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Managing water regimes	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Pollution reduction	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Protection of adjacent buffer zone	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Restrict public access and disturbance	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Land use planning	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Technical assistance	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Cooperative land management agreements (conservation easements)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
						Total Respondents 17

47. Other current HABITAT conservation practices for the Wildlife in Hayland Grassland Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) **3**

Appendix E-53: Haylands

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

1. Provide incentives to prevent landowners from haying or grazing during the breeding season.
Educate landowners about the importance of their land to the persistence of some wildlife species.

Total Respondents 1

(skipped this question) 2

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

1. Bobolinks may disperse from breeding sites in response to nest failure. Two spatially separated populations may be demographically linked by dispersal, so what happens on one field may affect birds on another field. Although the dispersal ability of the species has not been well-quantified, its at least on the scale of a county, if not multiple counties. Management and conservation should occur at these larger spatial scales. Managing a network of different grassland types using different disturbance regimes so that some populations nest successfully every year could provide a balance between agricultural production and Bobolink production.

Total Respondents 1

(skipped this question) 2