

Appendix E-40: Old Forest Stage

Degradation of movement/migration routes (overwintering habitats, nesting and staging sites)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Genetic pollution (hybridization)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Unknown	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents							9

8. Other threats to the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) 1

9. Please briefly describe the top two threats to the Wildlife in Old Forest Stage Forest Habitats in Indiana identified above.

1. availability and quality of suitable nesting/feeding habitat.

Total Respondents **1**

10. Please rank the following threats to the HABITAT of the Wildlife in Old Forest Stage Forest Habitats in Indiana.

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

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Agricultural/forestry practices	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Residual contamination (persistent toxins)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Point source pollution (continuing)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Mining/acidification	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Drainage practices (stormwater runoff)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Unknown	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents							16

11. Other HABITAT threats to the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) **1**

12. Please briefly describe the top two HABITAT threats to the Wildlife in Old Forest Stage Forest Habitats in Indiana identified above.

1. Loss of cavity trees and harvest of older forests.

Total Respondents **1**

13. What current monitoring efforts by state agencies are you aware of for the Wildlife in Old Forest Stage Forest Habitats in Indiana?

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

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regularly scheduled) monitoring conducted by state agencies

Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by state agencies

0% (0)

100% (1)

1

Total Respondents

8

14. What current monitoring efforts by other organizations are you aware of for the Wildlife in Old Forest Stage Forest 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% (1)	1
Statewide once a year monitoring conducted by other organizations	100% (1)	0% (0)	1
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (1)	1
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (1)	1
Regional or local year-round monitoring conducted by other organizations	0% (0)	100% (1)	1
Regional or local once a year monitoring conducted by other organizations	0% (0)	100% (1)	1
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (1)	1
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	100% (1)	1
Total Respondents			8

15. How crucial are these monitoring efforts by state agencies for the conservation of the Wildlife in Old Forest Stage Forest Habitats in Indiana?

	Very crucial	Somewhat crucial	Slightly crucial	Not crucial	Unknown	Response Total
Statewide year-round monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Statewide once a year monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1

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Representative sites	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Probabilistic sites	0% (0)	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% (0)	0
Total Respondents							9

21. Other monitoring techniques for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents 0

(skipped this question) 1

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

1. federal Breeding Bird Surveys annually statewide.

Total Respondents 1

23. What current HABITAT inventory and assessment efforts or activities by state agencies are you aware of for the Wildlife in Old Forest Stage Forest 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	0% (0)	100% (1)	1
Statewide once a year inventory and assessment conducted by state agencies	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)	1
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (1)	1
Regional or local year-round inventory and assessment conducted by state agencies	0% (0)	100% (1)	1
Regional or local once a year inventory and assessment conducted by state agencies	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)	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)	100% (1)	1

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once a year but still regularly scheduled) inventory and assessment conducted by other organizations

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) 100% (1) 0% (0) **1**

Total Respondents 8

27. Regional or local state agency HABITAT inventory and assessment for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

1. None

Total Respondents 1

28. Regional or local HABITAT inventory and assessment by other organizations for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

1. Periodical aerial imagery

Total Respondents 1

29. Please list organizations that are monitoring this HABITAT for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

1. USDA?, USGS?

Total Respondents 1

30. If a technique is not applicable to the Wildlife in Old Forest Stage Forest Habitats do not select a response in that row.

	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	0% (0)	100% (1)	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)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Property tax estimates	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1

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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	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1												
Modeling	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	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 Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) **1**

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

1. Aerial imagery and modeling

Total Respondents **1**

33. What is the current body of science for the Wildlife in Old Forest Stage Forest Habitats in Indiana?

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

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

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		Response Total	Response Percent
Title	Breeding Bird Atlas of Indiana	1	100%
Author	Castrale, Hopkins, Keller	1	100%
Date	1988	1	100%
Publisher	IDNR	1	100%
Total Respondents		1	

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

		Response Total	Response Percent
Title	BNA Account - Pileated Woodpecker	1	100%
Author	E.L. Bull and J.A. Jackson	1	100%
Date	1995	1	100%
Publisher	American Ornithologists' Union	1	100%
Total Respondents		1	

36. What is the current HABITAT body of science for the Wildlife in Old Forest Stage Forest Habitats in Indiana?

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

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

		Response Total	Response Percent
Title	see previous citations	1	100%
Author		0	0%
Date		0	0%
Publisher		0	0%

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Total Respondents 1

38. If possible, please provide a second citation (title, author, date, publisher) that would give another good HABITAT overview of the Wildlife in Old Forest Stage Forest 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)	1

39. What are the research needs for the Wildlife in Old Forest Stage Forest Habitats in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Life cycle	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Distribution and abundance	0% (0)	0% (0)	100% (1)	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)	100% (1)	0% (0)	0% (0)	0% (0)	1
Population health (genetic and physical)	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						6

40. Other research needs for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents 0

(skipped this question) 1

41. What are the HABITAT research needs for the Wildlife in Old Forest Stage Forest Habitats in Indiana?

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	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Successional changes	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Distribution and abundance (fragmentation)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Threats (land use change/competition, contamination/global warming)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Relationship/dependence on specific site conditions	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Growth and development of individual components of the habitat	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						5

42. Other HABITAT research needs for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents 0

(skipped this question) 1

43. How well do the following conservation efforts address the threats to the Wildlife in Old Forest Stage Forest Habitats in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection (use below for details)	0% (0)	100% (1)	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	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Native predator control	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Exotic/invasive species control	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Regulation of collecting	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Disease/parasite management	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	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)	100% (1)	0% (0)	1

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Limiting contact with pollutants/contaminants	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Public education to reduce human disturbance	0% (0)	0% (0)	0% (0)	100% (1)	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)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents						16

44. Other current conservation practices for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) **1**

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

1. Conservation of forests and wise timber management empahsizing older forests.

Total Respondents **1**

46. How well do the following conservation efforts address the HABITAT threats to the Wildlife in Old Forest Stage Forest Habitats in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection through regulation	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Habitat protection on public lands	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Habitat protection incentives (financial)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Habitat restoration through regulation	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Habitat restoration on public lands	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Habitat restoration incentives (financial)	0% (0)	100% (1)	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)	0% (0)	0% (0)	100% (1)	0% (0)	1
Succession control (fire, mowing)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Corridor development/protection	0% (0)	100% (1)	0% (0)	0% (0)	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

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Protection of adjacent buffer zone	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1	
Restrict public access and disturbance	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1	
Land use planning	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1	
Technical assistance	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1	
Cooperative land management agreements (conservation easements)	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	
						Total Respondents	17

47. Other current HABITAT conservation practices for the Wildlife in Old Forest Stage Forest Habitats in Indiana.

No responses were entered for this question.

Total Respondents **0**

(skipped this question) 1

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

1. Incentives to preserve forests and use good timber managements practices.

Total Respondents **1**

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

No responses were entered for this question.

Total Respondents **0**

(skipped this question) 1