

Appendix E-30: Industrial Lands

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)	100% (1)	0% (0)	0% (0)	0% (0)	1
							Total Respondents 9

8. Other threats to the Wildlife in Industrial Lands Habitat in Indiana.

1. Tolerance by building managers of nesting sites.

Total Respondents 1

9. Please briefly describe the top two threats to the Wildlife in Industrial Lands Habitat in Indiana identified above.

1. Availability of undisturbed nesting sites.
Collisions with buildings, powerlines, other structures.

Total Respondents 1

10. Please rank the following threats to the HABITAT of the Wildlife in Industrial Lands Habitat 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)	0% (0)	100% (1)	0% (0)	0% (0)	1
Counterproductive financial incentives or regulations	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Invasive/non-native species	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Nonpoint source pollution (sedimentation and nutrients)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Habitat fragmentation	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Successional change	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Diseases (of plants that create habitat)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Habitat degradation	0% (0)	0% (0)	0% (0)	100% (1)	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)	0% (0)	0% (0)	100% (1)	0% (0)	1

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monitoring conducted by state agencies						
Regional or local year-round monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Regional or local once a year monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents						2

16. How crucial are these monitoring efforts by other organizations for the conservation of the Wildlife in Industrial Lands Habitat in Indiana?						
	Very crucial	Somewhat crucial	Slightly crucial	Not crucial	Unknown	Response Total
Statewide year-round monitoring conducted by other organizations	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Statewide once a year monitoring conducted by other organizations	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Regional or local year-round monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Regional or local once a year monitoring 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) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents						2

17. Regional or local state agency monitoring for the Wildlife in Industrial Lands Habitat in Indiana.	
1.	DNR monitors most nest sites in the state and obtains information from others.

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Total Respondents 1

18. Regional or local monitoring by other organizations for the Wildlife in Industrial Lands Habitat in Indiana.

1. Building managers and volunteers report nesting activity at many nests.

Total Respondents 1

19. Please list organizations that are monitoring the Wildlife in Industrial Lands Habitat in Indiana.

1. Private companies (NIPSCO, Ispat Inland, building managers).

Total Respondents 1

20. What are the current monitoring techniques for the Wildlife in Industrial Lands Habitat 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)	100% (1)	0% (0)	0% (0)	1
Spot mapping	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Driving a survey route	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Reporting from harvest, depredation, or unintentional take (road kill, bycatch)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Mark and recapture	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1
Professional survey/census	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1
Volunteer survey/census	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1
Trapping (by any technique)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Representative	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	1

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sites								
Probabilistic sites	100% (1)	0% (0)	0% (0)	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% (0)	0
								Total Respondents 12

21. Other monitoring techniques for the Wildlife in Industrial Lands Habitat 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 Industrial Lands Habitat in Indiana?

1. Nest monitoring of all known nests (or representative sample) with 2-3 visits according to USFWS protocol.

Total Respondents 1

23. What current HABITAT inventory and assessment efforts or activities by state agencies are you aware of for the Wildlife in Industrial Lands Habitat 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	100% (1)	0% (0)	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 Industrial Lands Habitat in Indiana.

1. Opportunistic statewide determination of potential nest sites in Indiana with the idea of erecting a nest box.

Total Respondents 1

28. Regional or local HABITAT inventory and assessment by other organizations for the Wildlife in Industrial Lands Habitat in Indiana.

No responses were entered for this question.

Total Respondents 0

(skipped this question) 1

29. Please list organizations that are monitoring this HABITAT for the Wildlife in Industrial Lands Habitat in Indiana.

1. None

Total Respondents 1

30. What are the current HABITAT inventory and/or assessment techniques for Wildlife in Industrial Lands Habitat 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	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)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1

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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	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1												
Modeling	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1												
Voluntary landowner reporting	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												

31. Other HABITAT inventory and assessment techniques for the Wildlife in Industrial Lands Habitat 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 Industrial Lands Habitat in Indiana?

1. Only casual assessment needed.

Total Respondents 1

33. What is the current body of science for the Wildlife in Industrial Lands Habitat in Indiana?

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

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

		Response Total	Response Percent
Title	Peregrine Falcon nesting and management in Indiana	1	100%
Author	Castrale, J.S., and A. Parker	1	100%
Date	1999	1	100%
Publisher	Indiana Audubon Quaterly 77:65-74.	1	100%
Total Respondents		1	1

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

		Response Total	Response Percent
Title	Midwest Peregrine Falcon Restoration - 2004 Annual Report	1	100%
Author	Tordoff, H.B., J.A. Goggin, J.S. Castrale	1	100%
Date	2004	1	100%
Publisher	The Raptor Center at the Univ. of Minnesota	1	100%
Total Respondents		1	1

36. What is the current HABITAT body of science for the Wildlife in Industrial Lands Habitat in Indiana?

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

37. Please provide a citation (title, author, date, publisher) that would give the best HABITAT overview of the Wildlife in Industrial Lands Habitat 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%

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Publisher	0	0%
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 Industrial Lands Habitat 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 Industrial Lands Habitat in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Life cycle	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Distribution and abundance	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	0% (0)	1
Limiting factors (food, shelter, water, breeding sites)	0% (0)	0% (0)	0% (0)	100% (1)	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)	100% (1)	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 Industrial Lands Habitat in Indiana.

No responses were entered for this question.

Total Respondents	0
(skipped this question)	1

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41. What are the HABITAT research needs for the Wildlife in Industrial Lands Habitat in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Successional changes	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Distribution and abundance (fragmentation)	0% (0)	0% (0)	0% (0)	100% (1)	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)	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						5

42. Other HABITAT research needs for the Wildlife in Industrial Lands Habitat 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 Industrial Lands Habitat 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)	100% (1)	0% (0)	0% (0)	0% (0)	1
Reintroduction (restoration)	0% (0)	100% (1)	0% (0)	0% (0)	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)	100% (1)	0% (0)	1
Regulation of collecting	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1
Disease/parasite management	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1

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Translocation to new geographic range	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Protection of migration routes	0% (0)	100% (1)	0% (0)	0% (0)	0% (0)	1
Limiting contact with pollutants/contaminants	100% (1)	0% (0)	0% (0)	0% (0)	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)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
						Total Respondents 16

44. Other current conservation practices for the Wildlife in Industrial Lands Habitat 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 Industrial Lands Habitat in Indiana?

1. Education/awareness of falcon needs for feeding and nesting.

Total Respondents 1

46. How well do the following conservation efforts address the HABITAT threats to the Wildlife in Industrial Lands Habitat 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)	0% (0)	0% (0)	100% (1)	0% (0)	1
Habitat protection incentives (financial)	0% (0)	0% (0)	0% (0)	100% (1)	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)	0% (0)	0% (0)	100% (1)	0% (0)	1
Habitat restoration incentives (financial)	0% (0)	0% (0)	0% (0)	100% (1)	0% (0)	1
Artificial habitat creation (artificial reefs, nesting platforms)	100% (1)	0% (0)	0% (0)	0% (0)	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)	0% (0)	0% (0)	100% (1)	0% (0)	1

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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	100% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1	
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)	0% (0)	0% (0)	100% (1)	0% (0)	1	
Technical assistance	100% (1)	0% (0)	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 Industrial Lands Habitat 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 Industrial Lands Habitat in Indiana?

1. Education/awareness programs for building managers.

Total Respondents **1**

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

No responses were entered for this question.

Total Respondents **-1**

(skipped this question) 2