

Appendix E-9: Oxboxes/Backwaters/Sloughs/Embayments

10. Please rank the following threats to the HABITAT of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments 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)	50% (1)	0% (0)	50% (1)	0% (0)	2							
Counterproductive financial incentives or regulations	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2							
Invasive/non-native species	0% (0)	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2							
Nonpoint source pollution (sedimentation and nutrients)	50% (1)	0% (0)	0% (0)	0% (0)	0% (0)	50% (1)	2							
Habitat fragmentation	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	2							
Successional change	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2							
Diseases (of plants that create habitat)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2							
Habitat degradation	100% (2)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	2							
Climate change	0% (0)	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2							
Stream channelization	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	0% (0)	2							
Impoundment of water/flow regulation	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	0% (0)	2							
Agricultural/forestry practices	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	0% (0)	2							
Residual contamination (persistent toxins)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2							
Point source pollution (continuing)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2							
Mining/acidification	0% (0)	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	2							
Drainage practices (stormwater runoff)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	2							
Unknown	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)	100% (1)	1							
							Total Respondents	35						

11. Other HABITAT threats to the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.

No responses were entered for this question.

Total Respondents 0

12. Please briefly describe the top two HABITAT threats to the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana identified above.

1. Habitat loss & degradation

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Total Respondents 1

13. What current monitoring efforts by state agencies are you aware of for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat 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% (2)	2
Statewide once a year monitoring conducted by state agencies	0% (0)	100% (2)	2
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by state agencies	0% (0)	100% (2)	2
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by state agencies	0% (0)	100% (1)	1
Regional or local year-round monitoring conducted by state agencies	0% (0)	100% (2)	2
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 regularly scheduled) monitoring conducted by state agencies	0% (0)	100% (2)	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	14

14. What current monitoring efforts by other organizations are you aware of for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat 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	0% (0)	100% (2)	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	50% (1)	50% (1)	2
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by other organizations	50% (1)	50% (1)	2

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Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	50% (1)	50% (1)	2
	Total Respondents		16

15. How crucial are these monitoring efforts by state agencies for the conservation of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat 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)	50% (1)	50% (1)	2
Statewide once a year monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Regional or local year-round monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Regional or local once a year monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by state agencies	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
	Total Respondents					16

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16.	How crucial are these monitoring efforts by other organizations for the conservation of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?	Very crucial	Somewhat crucial	Slightly crucial	Not crucial	Unknown	Response Total
	Statewide year-round monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
	Statewide once a year monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
	Periodic statewide (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
	Occasional statewide (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
	Regional or local year-round monitoring conducted by other organizations	50% (1)	0% (0)	0% (0)	50% (1)	0% (0)	2
	Regional or local once a year monitoring conducted by other organizations	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	2
	Periodic regional or local (less than once a year but still regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	50% (1)	50% (1)	0% (0)	2
	Occasional regional or local (less than once a year and not regularly scheduled) monitoring conducted by other organizations	0% (0)	0% (0)	50% (1)	50% (1)	0% (0)	2
Total Respondents							16

17.	Regional or local state agency monitoring for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.	
	None	
	Patoka River watershed	
Total Respondents		2

18.	Regional or local monitoring by other organizations for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.	
	Newton, Jasper, Pulaski, Starke, Lake & Porter Counties	
Total Respondents		1

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19. Please list organizations that are monitoring the Wildlife in Oxbows/Backwaters/Sloughs/Embayments Habitat in Indiana.

Robert Brodman, Saint Joseph's College

DNR/DFW

Total Respondents 2

20. What are the current monitoring techniques for the Wildlife in Oxbows/Backwaters/Sloughs/Embayments 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)	50% (1)	0% (0)	50% (1)	0% (0)	2
Modeling	0% (0)	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	2
Coverboard routes	0% (0)	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Spot mapping	0% (0)	0% (0)	100% (2)	0% (0)	0% (0)	0% (0)	2
Driving a survey route	0% (0)	0% (0)	0% (0)	100% (2)	0% (0)	0% (0)	2
Reporting from harvest, depredation, or unintentional take (road kill, bycatch)	0% (0)	0% (0)	0% (0)	100% (2)	0% (0)	0% (0)	2
Mark and recapture	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	2
Professional survey/census	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	0% (0)	2
Volunteer survey/census	0% (0)	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Trapping (by any technique)	50% (1)	0% (0)	0% (0)	0% (0)	0% (0)	50% (1)	2
Representative sites	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	0% (0)	2
Probabilistic sites	50% (1)	0% (0)	0% (0)	0% (0)	0% (0)	50% (1)	2
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
							Total Respondents 24

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21. Other monitoring techniques for the Wildlife in Lake Michigan Habitat in Indiana.

No responses entered for this question.

Total Respondents **0**

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22. What one or two monitoring techniques would you recommend for effective conservation of the Wildlife in Oxbows/Backwaters/Sloughs/Embayments Habitat in Indiana?

Minnow trapping and either mark recapture or telemetry

Electrofishing

Trap nets

Total Respondents 2

23. What current HABITAT inventory and assessment efforts or activities by state agencies are you aware of for the Wildlife in Oxbows/Backwaters/Sloughs/Embayments 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% (2)	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	0% (0)	100% (2)	2
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	100% (2)	2
Regional or local year-round inventory and assessment conducted by state agencies	0% (0)	100% (2)	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

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24. What current HABITAT inventory and assessment efforts or activities by other organizations are you aware of for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat 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	0% (0)	100% (2)	2
Statewide once a year inventory and assessment conducted by other organizations	0% (0)	100% (2)	2
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	100% (2)	2
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	100% (2)	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 Oxboxes/Backwaters/Sloughs/Embayments Habitat 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)	0% (0)	0% (0)	50% (1)	50% (1)	2
Statewide once a year inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Periodic statewide (less than once a year but still regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Occasional statewide (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Regional or local year-round inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Regional or local once a year inventory and assessment conducted by state agencies	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
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)	50% (1)	50% (1)	2
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by state agencies	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Total Respondents						16

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26. How crucial are these HABITAT efforts by other organizations for the conservation of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat 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 year-round inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Statewide once a year inventory and assessment conducted by other organizations	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
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% (2)	2
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% (2)	2
Regional or local year-round inventory and assessment conducted by other organizations	50% (1)	0% (0)	0% (0)	0% (0)	50% (1)	2
Regional or local once a year inventory and assessment conducted by other organizations	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Periodic regional or local (less than once a year but still regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Occasional regional or local (less than once a year and not regularly scheduled) inventory and assessment conducted by other organizations	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Total Respondents						16

27. Regional or local state agency HABITAT inventory and assessment for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.

None.

Total Respondents 1

28. Regional or local HABITAT inventory and assessment by other organizations for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.

1. Newton, Jasper, Starke, Pulaski, Lake & Porter counties

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Total Respondents 1

29. Please list organizations that are monitoring this HABITAT for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.

Robert Brodman, Saint Joseph's College

None that I am aware of

Total Respondents 2

30. What are the current HABITAT inventory and/or assessment techniques for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments 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)	0% (0)	100% (2)	0% (0)	0% (0)	0% (0)	2
Aerial photography and analysis	0% (0)	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Systematic sampling	50% (1)	0% (0)	0% (0)	0% (0)	0% (0)	50% (1)	2
Property tax estimates	0% (0)	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
State revenue data	0% (0)	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Regulatory information	0% (0)	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Participation in landuse programs	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Modeling	0% (0)	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Voluntary landowner reporting	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							19

31. Other HABITAT inventory and assessment techniques for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.

No responses were entered for this question.

Total Respondents 0

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32. What one or two HABITAT inventory and assessment techniques would you recommend for effective conservation of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

1. suvery (intensive) and GIS (less intenstive)

Total Respondents **1**

33. What is the current body of science for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

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

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

Title = Amphibians and reptiles from 23 counties of Indiana.

Author = Robert Brodman

Date = 2003

Publisher = Proceedings of the Indiana Academy of Science, 112: 43-54.

**Response
Total Response
Percent**

35. If possible, please provide a second citation (title, author, date, publisher) that would give another good overview of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments 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	

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36. What is the current HABITAT body of science for the Wildlife in Oxbows/Backwaters/Sloughs/Embayments Habitat 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	

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

Title = Amphibians and reptiles from 23 counties of Indiana.

Author = Robert Brodman

Date = 2003

Publisher = Proceedings of the Indiana Academy of Science, 112: 43-54

Response Total **Response Percent**

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38. If possible, please provide a second citation (title, author, date, publisher) that would give another good HABITAT overview of the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments 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	

39. What are the research needs for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

	Urgently needed	Greatly needed	Needed	Slightly needed	Not needed	Unknown	Response Total
Life cycle	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	2
Distribution and abundance	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	0% (0)	2
Limiting factors (food, shelter, water, breeding sites)	50% (1)	0% (0)	0% (0)	50% (1)	0% (0)	0% (0)	2
Threats (predators/competition, contamination)	50% (1)	0% (0)	0% (0)	0% (0)	50% (1)	0% (0)	2
Relationship/dependence on specific habitats	50% (1)	0% (0)	0% (0)	0% (0)	50% (1)	0% (0)	2
Population health (genetic and physical)	0% (0)	50% (1)	0% (0)	50% (1)	0% (0)	0% (0)	2
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0% (0)	0
Total Respondents							12

40. Other research needs for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana.

1. Very little is known about the basic natural history, population ecology and abundance in Indiana of the lesser siren.

Total Respondents 1

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43. How well do the following conservation efforts address the threats to the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection (use below for details)	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Population management (hunting, trapping)	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Population enhancement (captive breeding and release)	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Reintroduction (restoration)	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Food plots	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Threats reduction	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Native predator control	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Exotic/invasive species control	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Regulation of collecting	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Disease/parasite management	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Translocation to new geographic range	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Protection of migration routes	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Limiting contact with pollutants/contaminants	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Public education to reduce human disturbance	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Culling/selective removal	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Stocking	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
				Total Respondents		33

44. Other current conservation practices for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments 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 Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

- Habitat protection is the key, but we need to better understand factors that limit siren abundance & distribution.

Total Respondents **1**

Appendix E-9: Oxboxes/Backwaters/Sloughs/Embayments

46. How well do the following conservation efforts address the HABITAT threats to the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

	Very well	Somewhat	Not at all	Not used	Unknown	Response Total
Habitat protection through regulation	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Habitat protection on public lands	50% (1)	50% (1)	0% (0)	0% (0)	0% (0)	2
Habitat protection incentives (financial)	0% (0)	100% (2)	0% (0)	0% (0)	0% (0)	2
Habitat restoration through regulation	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Habitat restoration on public lands	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Habitat restoration incentives (financial)	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Artificial habitat creation (artificial reefs, nesting platforms)	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Selective use of functionally equivalent exotic species in place of extirpated natives	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Succession control (fire, mowing)	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Corridor development/protection	0% (0)	0% (0)	0% (0)	50% (1)	50% (1)	2
Managing water regimes	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Pollution reduction	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Protection of adjacent buffer zone	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Restrict public access and disturbance	0% (0)	0% (0)	50% (1)	0% (0)	50% (1)	2
Land use planning	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Technical assistance	0% (0)	0% (0)	0% (0)	0% (0)	100% (2)	2
Cooperative land management agreements (conservation easements)	0% (0)	50% (1)	0% (0)	0% (0)	50% (1)	2
Other (please specify below)	0% (0)	0% (0)	0% (0)	0% (0)	100% (1)	1
Total Respondents						35

47. Other current HABITAT conservation practices for the Wildlife in Oxboxes/Backwaters/Sloughs/Embayments 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 Oxboxes/Backwaters/Sloughs/Embayments Habitat in Indiana?

Habitat protection. However more research is needed to address the effectiveness of habitat restoration on siren conservation.

Corridor protection

Total Respondents 2

Appendix E-9: Oxboxes/Backwaters/Sloughs/Embayments

Appendix E-9: Oxboxes/Backwaters/Sloughs/Embayments

49. Do you have any additional comments or information on the Wildlife in Oxbows/Backwaters/Sloughs/Embayments Habitat that you feel would be useful in the development of the Indiana Comprehensive Wildlife Strategy?

We need to learn a lot more about lesser sirens in order to develop a good conservation design.

Total Respondents 1