

Appendix N: Suggest Habitat Monitoring

Habitat Monitoring Needs				
Habitat Feature	Schedule	Area	Justification/Need details	Associated database needed
Agricultural statistics	Annual	Statewide	Acreages devoted to various crops in digital format that can be used in a GIS.	Yes
Aquatic systems - bottom substrate and contour	Continuous	Statewide	The distribution of many aquatic organisms is best explained by water body's bottom substrate and contour. Currently there is no systematic, statewide inventory of bottom substrate and contour for Indiana lakes, streams and reservoirs.	
Cave locations, cave recharge areas, and general karst feature inventory	Continuous	Southern Indiana	The karst region of Indiana is dynamic. Surface accesses to underground chambers changes and new information about cave features are documented on an irregular basis.	Yes
Environmental contaminants in waterways	Some streams should be monitored annually others on a rotating schedule	Statewide	Toxic chemical levels in a GIS format.	Yes
Forest statistics	As available, large public landholding should be monitored annually	Statewide	Forest inventory data in a digital format that can be used in GIS applications	Yes
Invasive animals and plants	Continuous	Statewide	Distribution of major problem exotics.	Yes – including treatment information and results
Land cover/land use	As available	Statewide	Satellite (LANDSAT?) imagery at a fine scale with appropriate categorization and ground-	Yes

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			truthing updated at least every 5-10 years.	
Rock outcrops	Continuous	Statewide	Rock outcrops are difficult to identify with spectral analysis. However, this rare and often widely dispersed habitat supports a number of species-most-in-need of conservation. Currently an adequate inventory of this habitat feature does not exist.	Yes
Soil maps	Continuous	Statewide	A statewide database on soil hydrology, soil type, fertility, and proximity to water that could be correlated to vegetative cover would be useful in the management of all species, especially burrow dwelling species.	Yes
Wetland	Continuous	Statewide	Detailed wetland information in a GIS format. Should include restored wetlands, especially those enrolled in WRP	Yes