APPENDIX E

THREATENED AND ENDANGERED SPECIES CONSULTATION

Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 170, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Amphibian	Ambystoma laterale	Blue-spotted Salamander		SSC	036N010E 31 NEQ NEQ NEQ	1997-09-17	
Bird	Ardea herodias	Great Blue Heron			035N010E 34 SEQ SWQ NEQ	1990-04-24	
Bird	Ardea herodias	Great Blue Heron			036N009E 06	1997-04-26	
Bird	Certhia americana	Brown Creeper			034N011E 03 SWQ NWQ NEQ	2000-07-06	
Bird	Cistothorus palustris	Marsh Wren		SE	036N009E 24	1986-05-27	
Bird	Grus canadensis	Sandhill Crane		SSC	036N010E 0.5 MI SE OF ADAMS LAKE.	1992	
Bird	Grus canadensis	Sandhill Crane		SSC	036N009E 25 NWQ SEQ SEQ	1996-08	NEST SITE
Bird	Nycticorax nycticorax	Black-crowned Night-heron		SE	036N010E 18	1986-05-16	
Fish	Coregonus artedi	Cisco		SSC	036N010E 21 SWQ NWQ	1988	
Fish	Coregonus artedi	Cisco		SSC	036N010E 24 NEQ SWQ	1990	
Fish	Coregonus artedi	Cisco		SSC	036N010E 32 EH SWQ & SEQ NWQ & EH	1955	
Fish	Coregonus artedi	Cisco		SSC	036N010E 31 NH	1955	
Fish	Coregonus artedi	Cisco		SSC	036N009E 24 EH SWQ & WH SEQ	1975	
Fish	Coregonus artedi	Cisco		SSC	036N009E 25 NH	1975	
Fish	Coregonus artedi	Cisco		SSC	036N010E 17 SWQ	1988	
Fish	Coregonus artedi	Cisco		SSC	036N009E 25 WH NWQ	1975	
High Quality Natural Community	Forest - upland dry	Dry Upland Forest		SG	036N010E 18 SEQ	1967	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	035N011E 31 NWQ SEQ	1986	
High Quality Natural Community	Wetland - bog acid	Acid Bog		SG	035N010E 11 NWQ	1978-10	
High Quality Natural Community	Wetland - bog circumneutral	Circumneutral Bog		SG	035N011E 08 NWQ	1979-06	
High Quality Natural Community	Wetland - bog circumneutral	Circumneutral Bog		SG	036N010E 18 EH	1979-06-14	
High Quality Natural Community	Wetland - fen	Fen		SG	035N010E 14 SWQ	1984-08-14	
High Quality Natural Community	Wetland - fen forested	Forested Fen		SG	035N010E 21 N HALF SWQ	1985-06-12	
High Quality Natural Community	Wetland - fen forested	Forested Fen		SG	036N010E 36	1984-07	

Fed: LE = listed federal endangered; C = federal candidate species

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Grank: Heritage Global Rank: G1 = critically imperiled; G2 = imperiled; G3 = rare or uncommon; G4 = widespread but with long term concerns; G5 = widespread and secure; GU = unranked

Srank: State Heritage Rank: S1 = critically imperiled; S2 = imperiled; S3 = rare or uncommon; S4 = widespread but with long term concerns SNR = not ranked; B = breeding rank; SNA = not resident in state in non-breeding season

Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 170, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
High Quality Natural Community	Wetland - marsh	Marsh		SG	036N009E 24 EH	1984-07-18	
High Quality Natural Community	Wetland - marsh	Marsh		SG	035N010E 01 SWQ	1985-08-09	
High Quality Natural Community	Wetland - marsh	Marsh		SG	035N010E 01 NWQ NWQ	1985-08-09	
High Quality Natural Community	Wetland - marsh	Marsh		SG	035N011E 08 NWQ	1979-06	
Mammal	Condylura cristata	Star-nosed Mole		SSC	036N010E 25 SWQ NEQ	1993-11-11	
Mammal	Condylura cristata	Star-nosed Mole		SSC	036N009E 25 SEQ	1998-09-24	
Mammal	Lutra canadensis	Northern River Otter			036N010E 30	NO DATE	
Mammal	Mustela nivalis	Least Weasel		SSC	036N010W 25	1995-11-26	
Mammal	Taxidea taxus	American Badger			034N010E 05 COMMONLINE	1988-11-23	
Mammal	Taxidea taxus	American Badger			035N009E 25	1998-04-10	
Mammal	Taxidea taxus	American Badger			035N010E 32	1989-09	
Mammal	Taxidea taxus	American Badger			035N010E 27	1998-04-10	
Mammal	Taxidea taxus	American Badger			035N009E 1/2 MI E OF COSPERVILLE.	1983-10-24	
Mammal	Taxidea taxus	American Badger			035N009E 30	1982-FA	
Mammal	Taxidea taxus	American Badger			036N010E 25	1992-07-10	
Mammal	Taxidea taxus	American Badger			035N010E 12	1999-03-28	
Mammal	Taxidea taxus	American Badger			035N011E 19	1990-05-06	
Mammal	Taxidea taxus	American Badger			035N011E 07	1985-11	
Reptile	Clemmys guttata	Spotted Turtle		SE	036N010E 23	1954	
Reptile	Clemmys guttata	Spotted Turtle		SE	034N011E KENDALLVILLE	1892	
Reptile	Clemmys guttata	Spotted Turtle		SE	035N010E 01 AREA BETWEEN NAUVOO & MUD LAKES.	1954-06-02	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	035N010E ROME CITY	1907	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	036N010E 23	2002-04-19	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	035N010E 01 AREA BETWEEN NAUVOO & MUD LAKES.	NO DATE	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	035N011E 31	2002-06-28	
Reptile	Nerodia erythrogaster neglecta	Copperbelly Water Snake	PS:LT	SE	036N009E 35 SWQ	1941-10-01	COLLECTED
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	035N011E 08 NEQ NEQ	1985	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	035N010E 18	1954-11-10	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	036N009E 25 NEQ NEQ NEQ	2000-06-23	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	036N010E 36 SWQ SWQ SEQ	1994-06-06	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 170, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Reptile	Thamnophis butleri	Butler's Garter Snake		SE	034N011E KENDALLVILLE AREA	1973	
Reptile	Thamnophis butleri	Butler's Garter Snake		SE	034N011E 09	1988-05-20	
Vascular Plant	Actaea rubra	Red Baneberry		SR	035N010E 21 N HALF SWQ	1985-06-12	
Vascular Plant	Andromeda glaucophylla	Bog Rosemary		SR	035N010E 11 NWQ	1995-08	
Vascular Plant	Aster borealis	Rushlike Aster		SR	036N010E 18	1933-09	
Vascular Plant	Aster borealis	Rushlike Aster		SR	035N011E 28	1933-09	
Vascular Plant	Aster borealis	Rushlike Aster		SR	036N010E 23	1914-08	
Vascular Plant	Calla palustris	Wild Calla		SE	035N009E 17	1900	
Vascular Plant	Calla palustris	Wild Calla		SE	035N010E W OF WOLCOTTVILLE	1900-PRE	
Vascular Plant	Carex limosa	Mud Sedge		SE	036N010E 18	1915-06-06	
Vascular Plant	Drosera intermedia	Spoon-leaved Sundew		SR	035N010E 02 SEQ SWQ	1995-08	
Vascular Plant	Eleocharis equisetoides	Horse-tail Spikerush		SE	036N010E 24	1934-08	
Vascular Plant	Eleocharis equisetoides	Horse-tail Spikerush		SE	036N010E 24	1941-08-30	
Vascular Plant	Eleocharis robbinsii	Robbins Spikerush		SR	036N010E 24	1934-08	
Vascular Plant	Eriophorum gracile	Slender Cotton-grass		ST	035N010E 08	1910-06	
Vascular Plant	Eriophorum gracile	Slender Cotton-grass		ST	035N011E 08 NWQ	1984-06-15	
Vascular Plant	Eriophorum viridicarinatum	Green-keeled Cotton-grass		SR	035N011E 08 NWQ	1984-06-15	
Vascular Plant	Gentiana alba	Yellow Gentian		SR	034N009E 12	1900-PRE	
Vascular Plant	Geum rivale	Purple Avens		SE	034N010E 07	1900-PRE	
Vascular Plant	Hydrocotyle americana	American Water-pennywort		SE	036N010E 18	1933-07-10	
Vascular Plant	Hypericum pyramidatum	Great St. John's-wort		ST	035N010E 28	1933-07-10	
Vascular Plant	Milium effusum	Tall Millet-grass		SR	035N010E 21 N HALF SWQ	1985-06-12	
Vascular Plant	Myriophyllum verticillatum	Whorled Water-milfoil		SR	036N010E 21	1985-08-15	
Vascular Plant	Platanthera leucophaea	Prairie White-fringed Orchid	LT	SE	036N010E 18	1916-07-09	
Vascular Plant	Platanthera psycodes	Small Purple-fringe Orchis		SR	035N009E 12 SWQ	1905-08	
Vascular Plant	Platanthera psycodes	Small Purple-fringe Orchis		SR	035N011E 34	1908-08	
Vascular Plant	Potamogeton pusillus	Slender Pondweed		WL	035N009E 12	2000-08-26	
Vascular Plant	Potamogeton pusillus	Slender Pondweed		WL	036N010E 17	1999-08-04	
Vascular Plant	Potamogeton strictifolius	Straight-leaf Pondweed		ST	035N010E 18	2000-08-26	
Vascular Plant	Salix serissima	Autumn Willow		ST	035N011E 08 NWQ	1995-05	
Vascular Plant	Salix serissima	Autumn Willow		ST	035N011E 32	1922-08	
Vascular Plant	Scheuchzeria palustris ssp. americana	American Scheuchzeria		SE	036N010E 18	1916-06	
Vascular Plant	Tofieldia glutinosa	False Asphodel		SR	035N010E	1900-PRE	
Vascular Plant	Utricularia resupinata	Northeastern Bladderwort		SX	036N010E 23	1941-08	
Vascular Plant	Viburnum opulus var. americanum	Highbush-cranberry		SE	036N010E 17	1915-06-06	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 170, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
HAMMER (ART) WETLANDS ADDITION							
High Quality Natural Community	Forest - floodplain wet	Wet Floodplain Forest		SG	035N009E 13 NWQ	1995-07-06	
High Quality Natural Community	Wetland - marsh	Marsh		SG	035N009E 13 NWQ	1995-07-06	
High Quality Natural Community	Wetland - swamp forest	Forested Swamp		SG	035N009E 13 EH	1995-07-06	
HAMMER (ART) WETLANDS NATURE PRESERVE (ORIGINA							
High Quality Natural Community	Forest - floodplain wet	Wet Floodplain Forest		SG	035N009E 11 EH SEQ SEQ	NO DATE	
High Quality Natural Community	Wetland - marsh	Marsh		SG	035N009E 14 NEQ NEQ	NO DATE	
LONIDAW NATURE PRESERVE							
High Quality Natural Community	Forest - upland dry-mesic	Dry-mesic Upland Forest		SG	035N011E 27 SEQ	1980	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	035N011E 27 SEQ	1980	
High Quality Natural Community	Wetland - swamp shrub	Shrub Swamp		SG	035N011E 27 SEQ	1980	
MARSH WREN NATURE PRESERVE							
High Quality Natural Community	Wetland - meadow sedge	Sedge Meadow		SG	036N010E 19 SWQ NWQ	1992-05-26	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	036N010E 19 SEQ SWQ NWQ	1992-05-26	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	036N010E 19 SWQ NWQ	1992-05-26	
OLIN LAKE NATURE PRESERVE							
High Quality Natural Community	Lake - lake	Lake		SG	036N010E 20 CENTER	1993	
High Quality Natural Community	Wetland - swamp forest	Forested Swamp		SG	036N010E 20 CENTER	NO DATE	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	036N010E 20	1970	
Vascular Plant	Actaea rubra	Red Baneberry		SR	036N010E 20	1982-07	
Vascular Plant	Carex sparganioides var. cephaloidea	Thinleaf Sedge		SE	036N010E 20 E HALF MAINLY	1982-06	
Vascular Plant	Myriophyllum verticillatum	Whorled Water-milfoil		SR	036N010E 20	1982-07-28	
Vascular Plant	Potamogeton praelongus	White-stem Pondweed		ST	036N010E 20	1968-07	
Vascular Plant	Spiranthes lucida	Shining Ladies'-tresses		SR	036N010E 20 E HALF MAINLY	1980-06	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 170, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Vascular Plant	Tofieldia glutinosa	False Asphodel		SR	036N010E 20 SEQ	1986-09-12	
Vascular Plant	Utricularia cornuta	Horned Bladderwort		ST	036N010E 20	1962-08	
OLIN LAKE NATURE PRESERVE (ORIGINAL)							
Fish	Coregonus artedi	Cisco		SSC	036N010E 20 SH NEQ & NH SEQ & EH SEQ NWQ	1988	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	036N010E 20 SEQ	1980	
High Quality Natural Community	Wetland - fen	Fen		SG	036N010E 20 SEQ NEQ SEQ	NO DATE	
High Quality Natural Community	Wetland - swamp shrub	Shrub Swamp		SG	036N010E 20 SEQ	1980	
Vascular Plant	Cypripedium candidum	Small White Lady's-slipper		WL	036N010E 20 SEQ NEQ SEQ	1994-05-26	
ROME CITY WETLAND CONSERVATION AREA							
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	035N009E 12 W CTR	1983	
ROUND LAKE WETLANDS (ACRES)							
Vascular Plant	Dryopteris clintoniana	Clinton Woodfern		SX	035N011E 27	1939-06	
SPURGEON (EDNA W.) NATURE PRESERVE							
High Quality Natural Community	Forest - upland dry-mesic	Dry-mesic Upland Forest		SG	035N009E 18 NH SWQ	1980	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	035N009E 18 NH SWQ	1980	
SWAMP ANGEL NATURE PRESERVE							
High Quality Natural Community	Wetland - fen	Fen		SG	035N010E 11 SEQ	1984-05	
High Quality Natural Community	Wetland - marsh	Marsh		SG	035N010E 11 SEQ	1984-05	
Insect Lepidoptera	Lycaena dorcas dorcas	Dorcas Copper		SR	035N010E 11 NEQ	1987-07-02	
Reptile	Clemmys guttata	Spotted Turtle		SE	035N010E 11 NWQ SEQ	1989-05-28	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	035N010E 11 NEQ	1992	
Vascular Plant	Spiranthes romanzoffiana	Hooded Ladies'-tresses		ST	035N010E 11 SEQ NEQ	1986-08-03	
Vascular Plant	Tofieldia glutinosa	False Asphodel		SR	035N010E 11 SEQ NEQ	1986-06-03	
Vascular Plant	Utricularia cornuta	Horned Bladderwort		ST	035N010E 11 SEQ	1985-06-06	
Vascular Plant	Zigadenus elegans var. glaucus	White Camas		SR	035N010E 11 SEQ NEQ	1986-08-03	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 170, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS

Fed: LE = listed federal endangered; C = federal candidate species

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 180, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Amphibian	Necturus maculosus	Common mudpuppy		SSC	033N009E 17	1990-05	
Bird	Ardea herodias	Great Blue Heron			034N009E 02 NWQ	1993-04-20	
Bird	Cistothorus palustris	Marsh Wren		SE	033N009E 01 SEQ NWQ	1997-06-13	
Bird	Wilsonia citrina	Hooded Warbler		SSC	033N008E 13	2004-06-20	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	034N009E 27 WH NEQ NWQ	1984-11-23	
High Quality Natural Community	Lake - pond	Pond		SG	033N009E 10 C	1979-07	
High Quality Natural Community	Wetland - beach marl	Marl Beach		SG	033N009E 10 SEQ SWQ NWQ	1985-06-04	
High Quality Natural Community	Wetland - bog acid	Acid Bog		SG	033N008E 12 NEQ	1979	
High Quality Natural Community	Wetland - fen	Fen		SG	034N008E 01 SEQ	1988	
High Quality Natural Community	Wetland - fen	Fen		SG	034N010E 07 E HALF	1979-05-25	
High Quality Natural Community	Wetland - fen	Fen		SG	033N009E 10 NWQ NWQ	1985-06-05	
High Quality Natural Community	Wetland - fen forested	Forested Fen		SG	033N009E 08	1985-06-21	
High Quality Natural Community	Wetland - marsh	Marsh		SG	033N009E 10 EH	1979-07	
High Quality Natural Community	Wetland - swamp shrub	Shrub Swamp		SG	033N008E 12 NEQ	1979	
Mammal	Condylura cristata	Star-nosed Mole		SSC	034N009E 04	1985-06	
Mammal	Taxidea taxus	American Badger			034N009E 04 SWQ NWQ NEQ	1999-10-15	
Mammal	Taxidea taxus	American Badger			035N009E 30	1982-FA	
Mammal	Taxidea taxus	American Badger			034N009E N OF BEAR LAKE	1997-08-06	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	034N010E 07 SEQ	1979-05	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	033N009E 17	1987	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	034N010E 19	1986-08-23	
Reptile	Thamnophis butleri	Butler's Garter Snake		SE	034N011E 09	1988-05-20	
Vascular Plant	Andromeda glaucophylla	Bog Rosemary		SR	033N008E 12 CTR SH NEQ	1993-06	
Vascular Plant	Aster borealis	Rushlike Aster		SR	033N009E 18	1916-09-13	
Vascular Plant	Carex bebbii	Bebb's Sedge		ST	034N009E 18 & S19	1924-07	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 180, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Vascular Plant	Cypripedium candidum	Small White Lady's-slipper		WL	033N009E 10 NWQ NWQ	1985-06-05	
Vascular Plant	Eriophorum viridicarinatum	Green-keeled Cotton-grass		SR	034N008E 13 SWQ & NWQ SEQ	1917-06	
Vascular Plant	Gentiana alba	Yellow Gentian		SR	034N009E 12	1900-PRE	
Vascular Plant	Geum rivale	Purple Avens		SE	034N010E 07	1900-PRE	
Vascular Plant	Lathyrus ochroleucus	Pale Vetchling Peavine		SE	034N009E 18	1920-07-05	
Vascular Plant	Lathyrus venosus	Smooth Veiny Pea		ST	034N009E 19	1945-06-17	
Vascular Plant	Lemna perpusilla	Minute Duckweed		SX	033N009E 08	1929-08-07	
Vascular Plant	Malaxis unifolia	Green Adder's-mouth		SE	033N009E 03 NEQ	1895-07-25	
Vascular Plant	Panicum leibergii	Leiberg's Witchgrass		ST	034N009E 07	1946-06	
Vascular Plant	Platanthera ciliaris	Yellow-fringe Orchis		SE	033N009E 09 WH WH	1895-08-06	
Vascular Plant	Platanthera leucophaea	Prairie White-fringed Orchid	LT	SE	033N009E 03	1884	
Vascular Plant	Platanthera leucophaea	Prairie White-fringed Orchid	LT	SE	034N010E 14	1886	
Vascular Plant	Stipa comata	Sewing Needlegrass		SX	035N009E 32 OR S31	1924-07	
Vascular Plant	Vaccinium oxycoccos	Small Cranberry		ST	033N008E 12 SH NEQ	1993	
Vascular Plant	Zigadenus elegans var. glaucus	White Camas		SR	033N009E 10	1895-07	
BENDER (LLOYD W.) NATURE PRESERVE							
High Quality Natural Community	Forest - floodplain wet-mesic	Wet-mesic Floodplain Forest		SG	034N009E 23 SWQ & SEQ S22	1980	
High Quality Natural Community	Forest - upland dry-mesic	Dry-mesic Upland Forest		SG	034N009E 23 SWQ	1980	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	034N009E 23 SWQ	1980	
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	034N009E 22	1995	
CHAIN O'LAKES STATE PARK							
Amphibian	Ambystoma laterale	Blue-spotted Salamander		SSC	033N010E 03 WH SWQ SWQ	1988-06-01	
Bird	Ammodramus henslowii	Henslow's Sparrow		SE	033N010E 03	1997-06-12	
Bird	Buteo lineatus	Red-shouldered Hawk		SSC	033N010E 09 NWQ	1986-07-09	
Bird	Buteo platypterus	Broad-winged Hawk		SSC	033N010E 10 NWQ	2000-06-01	
Bird	Certhia americana	Brown Creeper			033N010E 10 EH SEQ NWQ	2001-06-09	
Bird	Certhia americana	Brown Creeper			033N010E 10	2002-07-06	
Bird	Certhia americana	Brown Creeper			033N010E 04 COMMON LINE	2000-06-06	
Bird	Ixobrychus exilis	Least Bittern		SE	033N010E 04 SEQ SEQ SEQ	1994-SP	

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Grank: Heritage Global Rank: G1 = critically imperiled; G2 = imperiled; G3 = rare or uncommon; G4 = widespread but with long term concerns; G5 = widespread and secure; GU = unranked

Srank: State Heritage Rank: S1 = critically imperiled; S2 = imperiled; S3 = rare or uncommon; S4 = widespread but with long term concerns SNR = not ranked; B = breeding rank; SNA = not resident in state in non-breeding season

Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 180, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Bird	Nycticorax nycticorax	Black-crowned Night-heron		SE	033N010E S OF ALBION	1984-05-12	
Bird	Tyto alba	Barn Owl		SE	033N010E 03 SEQ SWQ	1986-05	
Mammal	Taxidea taxus	American Badger			033N010E 03 SEQ SWQ	1985	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	033N010E 09 COMMONLINE	1986-06-05	
EAGLE LAKE WETLAND CONSERVATION AREA							
High Quality Natural Community	Wetland - beach marl	Marl Beach		SG	034N009E 06 SWQ	1983-07-26	
Vascular Plant	Aristida intermedia	Slim-spike Three-awn Grass		SR	034N009E 06 SWQ NEQ SWQ	1988-10-06	
Vascular Plant	Utricularia resupinata	Northeastern Bladderwort		SX	034N009E 06 SWQ	1916-09	
MALLARD ROOST WETLAND CONSERVATION AREA							
Bird	Chlidonias niger	Black Tern		SE	035N009E 32 SH	1994-SP	
Bird	Ixobrychus exilis	Least Bittern		SE	035N009E 32	1997-06-12	
Bird	Rallus limicola	Virginia Rail		SE	035N009E 32 SEQ SEQ	1997-07-15	
High Quality Natural Community	Forest - floodplain wet	Wet Floodplain Forest		SG	034N009E 22 WH	1981-06	
High Quality Natural Community	Wetland - beach marl	Marl Beach		SG	034N009E 06 NEQ NEQ	1982-06-14	
High Quality Natural Community	Wetland - marsh	Marsh		SG	034N009E 22 NWQ	1981-06	
High Quality Natural Community	Wetland - marsh	Marsh		SG	034N009E 04 SWQ SWQ	1993-08-25	
Mammal	Condylura cristata	Star-nosed Mole		SSC	035N009E 32	1975-04	
Mammal	Lutra canadensis	Northern River Otter			034N009E 05 NEQ SEQ	1998-01-30	REINTRODUCTION SITE
Mammal	Lynx rufus	Bobcat			034N009E 05	1988	
MERRY LEA ENVIRONMENTAL CENTER							
Bird	Ammodramus henslowii	Henslow's Sparrow		SE	033N009E 17	2004-06-29	
High Quality Natural Community	Wetland - marsh	Marsh		SG	033N009E 18	1967	
Vascular Plant	Aristida intermedia	Slim-spike Three-awn Grass		SR	033N009E 18	1967-06-07	
Vascular Plant	Drosera intermedia	Spoon-leaved Sundew		SR	033N009E 18	1916-09-13	
Vascular Plant	Lycopodium hickeyi	Hickey's Clubmoss		SR	033N009E 07 SWQ	1986-08-13	
Vascular Plant	Lycopodium obscurum	Tree Clubmoss		SR	033N009E 07 SWQ SWQ	1993-05	
Vascular Plant	Prunus pensylvanica	Fire Cherry		SR	033N009E 18	1967-06-07	
MERRY LEA NATURE PRESERVE							

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Srank: State Heritage Rank: S1 = critically imperiled; S2 = imperiled; S3 = rare or uncommon; S4 = widespread but with long term concerns SNR = not ranked; B = breeding rank; SNA = not resident in state in non-breeding season

Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 180, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Amphibian	Ambystoma laterale	Blue-spotted Salamander		SSC	033N009E 18	1990-06	
High Quality Natural Community	Wetland - marsh	Marsh		SG	033N009E 18	1980	
High Quality Natural Community	Wetland - swamp shrub	Shrub Swamp		SG	033N009E 18	1980	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	033N009E 18	1990-05	
Vascular Plant	Andromeda glaucophylla	Bog Rosemary		SR	033N009E 18	1920-05-20	
Vascular Plant	Aralia hispida	Bristly Sarsaparilla		SE	033N008E 13	1935-07-21	
Vascular Plant	Calla palustris	Wild Calla		SE	033N008E 12	1938-07-02	
Vascular Plant	Vaccinium oxycoccos	Small Cranberry		ST	033N008E 13	1935-07-21	
Vascular Plant	Viburnum cassinoides	Northern Wild-raisin		SE	033N009E 18	1967-06	
MERRY LEA NATURE PRESERVE ADDITION							
Bird	Wilsonia citrina	Hooded Warbler		SSC	033N008E 12	2004-06-20	
High Quality Natural Community	Forest - upland dry-mesic	Dry-mesic Upland Forest		SG	033N008E 12	1980	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 190, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Bird	Ardea herodias	Great Blue Heron			036N006E 34 SWQ SWQ	1985-04-25	
Bird	Ardea herodias	Great Blue Heron			034N008E 27 NWQ	1993-04-20	
Bird	Aythya collaris	Ring-necked Duck			035N008E 2 MI E OF LIGONIER	1957-07	
Bird	Bartramia longicauda	Upland Sandpiper		SE	036N008E 29	1992-06-21	
Bird	Botaurus lentiginosus	American Bittern		SE	035N006E NEAR BENTON	1930-07-16	
Bird	Certhia americana	Brown Creeper			036N007E 07 NWQ	2001-07-02	
Bird	Certhia americana	Brown Creeper			035N007E 07	2001-07-02	
Bird	Cistothorus palustris	Marsh Wren		SE	037N007E 12 SWQ SWQ SEQ	2000-07-25	
Bird	Ixobrychus exilis	Least Bittern		SE	035N006E NEAR BENTON	1930-07-16	
Bird	Rallus limicola	Virginia Rail		SE	036N007E 12 SH SEQ SWQ	2000-07-25	
Bird	Sturnella neglecta	Western Meadowlark		SSC	035N008E 03	1997-06-27	
Fish	Notropis heterolepis	Blacknose Shiner			034N007E 04	1985-09-07	
High Quality Natural Community	Forest - floodplain wet-mesic	Wet-mesic Floodplain Forest		SG	035N007E 05	1993-11-23	
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	035N006E 24 NEQ SWQ	1995-06-21	
High Quality Natural Community	Wetland - meadow sedge	Sedge Meadow		SG	034N008E 02 NWQ	1979	
Insect Coleoptera	Nicrophorus americanus	American Burying Beetle	LE	SX	036N007E MILLERSBURG	1917-06-30	
Insect Lepidoptera	Euphydryas phaeton	Baltimore		SR	034N008E 16	1930-06-26	
Mammal	Lynx rufus	Bobcat			035N007E MILLERSBURG AREA	1983-01	
Mammal	Mustela nivalis	Least Weasel		SSC	035N008E 23	1961-12-18	
Mammal	Taxidea taxus	American Badger			035N009E 30	1982-FA	
Mammal	Taxidea taxus	American Badger			034N008E 2 MI SE OF CROMWELL	1983-09	
Reptile	Clemmys guttata	Spotted Turtle		SE	034N007E LAKE WAWASEE	1953	
Vascular Plant	Eriophorum viridicarinatum	Green-keeled Cotton-grass		SR	034N008E 13 SWQ & NWQ SEQ	1917-06	
Vascular Plant	Iliamna remota	Kankakee Globe-mallow		SE	035N006E 02 NEQ SWQ SWQ	1992-10-17	
Vascular Plant	Lathyrus venosus	Smooth Veiny Pea		ST	034N009E 19	1945-06-17	
Vascular Plant	Linum striatum	Ridged Yellow Flax		WL	035N006E 02	1945-07-14	
Vascular Plant	Myriophyllum verticillatum	Whorled Water-milfoil		SR	034N007E 11	1985-08-14	
Vascular Plant	Panicum leibergii	Leiberg's Witchgrass		ST	034N008E	1939-06	
Vascular Plant	Potamogeton oakesianus	Oakes Pondweed		SE	034N007E 11	1985-08-14	

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Srank: State Heritage Rank: S1 = critically imperiled; S2 = imperiled; S3 = rare or uncommon; S4 = widespread but with long term concerns SNR = not ranked; B = breeding rank; SNA = not resident in state in non-breeding season

Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 190, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Vascular Plant	Potamogeton richardsonii	Redheadgrass		SR	034N007E 11	1985-08-14	
Vascular Plant	Tofieldia glutinosa	False Asphodel		SR	035N008E 27 SEQ SEQ	1941-07-26	
Vascular Plant	Tofieldia glutinosa	False Asphodel		SR	034N007E LAKE WAWASEE AREA	NO DATE	
MERRY LEA NATURE PRESERVE							
Vascular Plant	Calla palustris	Wild Calla		SE	033N008E 12	1938-07-02	

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Grank: Heritage Global Rank: G1 = critically imperiled; G2 = imperiled; G3 = rare or uncommon; G4 = widespread but with long term concerns; G5 = widespread and secure; GU = unranked

Srank: State Heritage Rank: S1 = critically imperiled; S2 = imperiled; S3 = rare or uncommon; S4 = widespread but with long term concerns SNR = not ranked; B = breeding rank; SNA = not resident in state in non-breeding season

Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 200, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Amphibian	Necturus maculosus	Common mudpuppy		SSC	034N007E 16 SWQ SEQ NEQ	1989-06	
Bird	Ardea herodias	Great Blue Heron			034N008E 28 SEQ NWQ	1990-04-29	
Bird	Chlidonias niger	Black Tern		SE	034N006E 25	1949-05-18	
Bird	Ixobrychus exilis	Least Bittern		SE	034N006E 25	1950-06-28	NEST
Fish	Acipenser fulvescens	Lake Sturgeon		SE	034N007E 23 SH SH SEQ	1991-05-10	
Fish	Coregonus artedi	Cisco		SSC	034N008E 21 NEQ NEQ	1955	
Fish	Coregonus artedi	Cisco		SSC	033N008E 04 SH	1975	
Fish	Coregonus artedi	Cisco		SSC	033N008E 05 SH NEQ	1975	
Fish	Coregonus artedi	Cisco		SSC	034N006E 16 EH SEQ SWQ & SWQ SWQ SEQ	1971	
Fish	Coregonus artedi	Cisco		SSC	034N006E 11 NWQ NEQ	1990-09	
Fish	Coregonus artedi	Cisco		SSC	033N008E 05 EH NWQ	1990	
Fish	Notropis heterolepis	Blacknose Shiner			034N007E 04	1985-09-07	
Fish	Notropis heterolepis	Blacknose Shiner			034N007E LAKE WAWASEE AREA.	1985-09-07	
High Quality Natural Community	Wetland - bog circumneutral	Circumneutral Bog		SG	034N008E 31 SEQ SEQ	1984-10-02	
High Quality Natural Community	Wetland - meadow sedge	Sedge Meadow		SG	034N007E 024 SH	NO DATE	
High Quality Natural Community	Wetland - swamp shrub	Shrub Swamp		SG	034N006E 24 E HALF SWQ	1982	
Insect Lepidoptera	Euphydryas phaeton	Baltimore		SR	034N008E 16	1930-06-26	
Insect Lepidoptera	Lycaena helloides	Purplish Copper		SR	034N006E 22	1968-08-24	
Mammal	Taxidea taxus	American Badger			033N006E 02	1983-08-14	
Mollusk	Venustaconcha ellipsiformis	Ellipse		SSC	035N006E 21	2003-08-01	Weathered dead
Reptile	Clemmys guttata	Spotted Turtle		SE	034N007E 31 NWQ NEQ	1984-05-19	
Reptile	Clemmys guttata	Spotted Turtle		SE	034N007E LAKE WAWASEE	1953	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	034N007E 31 NEQ	1997-08-03	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	034N007E 16 NWQ SEQ	1989-06-12	
Reptile	Emydoidea blandingii	Blanding's Turtle		SE	034N007E LAKE WAWASEE AREA	NO DATE	
Vascular Plant	Bidens beckii	Beck Water-marigold		ST	034N006E DEWART LAKE	1941-08	
Vascular Plant	Eriophorum viridicarinatum	Green-keeled Cotton-grass		SR	033N006E 16	1912-06	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 200, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Vascular Plant	Geranium robertianum	Herb-robert		ST	035N006E 28	1942-09-01	
Vascular Plant	Geranium robertianum	Herb-robert		ST	034N006E 24 E HALF SWQ	1982	
Vascular Plant	Linnaea borealis	Twinflower		SX	034N008E 31 N HALF SEQ SEQ	1916-09	
Vascular Plant	Lycopodium hickeyi	Hickey's Clubmoss		SR	035N006E 23 SWQ SEQ	1979-06-13	
Vascular Plant	Matteuccia struthiopteris	Ostrich Fern		SR	034N008E 31 SEQ SEQ	1984-10-02	
Vascular Plant	Myriophyllum verticillatum	Whorled Water-milfoil		SR	034N007E 11	1985-08-14	
Vascular Plant	Panax trifolius	Dwarf Ginseng		WL	034N005E	1923-05-14	
Vascular Plant	Potamogeton oakesianus	Oakes Pondweed		SE	034N007E 11	1985-08-14	
Vascular Plant	Potamogeton richardsonii	Redheadgrass		SR	034N007E 11	1985-08-14	
Vascular Plant	Potamogeton strictifolius	Straight-leaf Pondweed		ST	034N007E 24	1935-07	
Vascular Plant	Potamogeton strictifolius	Straight-leaf Pondweed		ST	034N007E 08	1934-07	
Vascular Plant	Pyrola rotundifolia var. americana	American Wintergreen		SR	034N008E 31 SEQ SEQ	1984-10-02	
Vascular Plant	Scheuchzeria palustris ssp. americana	American Scheuchzeria		SE	033N008E 09	1938-08-15	
Vascular Plant	Scirpus subterminalis	Water Bulrush		SR	034N007E 08	1934-07	
Vascular Plant	Tofieldia glutinosa	False Asphodel		SR	034N007E LAKE WAWASEE AREA	NO DATE	
Vascular Plant	Triglochin palustris	Marsh Arrow-grass		SR	033N008E 09	1938-07	
Vascular Plant	Utricularia cornuta	Horned Bladderwort		ST	033N008E 09	1938-07-16	
GREIDER'S WOODS NATURE PRESERVE							
High Quality Natural Community	Forest - upland mesic	Mesic Upland Forest		SG	034N007E 36 SEQ NWQ SEQ	1980	
Vascular Plant	Juglans cinerea	Butternut		WL	034N007E 36 SEQ	NO DATE	
MERRY LEA NATURE PRESERVE							
Vascular Plant	Calla palustris	Wild Calla		SE	033N008E 12	1938-07-02	
TRI - COUNTY STATE FISH AND WILDLIFE AREA							
Bird	Dendroica cerulea	Cerulean Warbler		SSC	033N007E 02 NEQ	1994-06-18	
Bird	Pandion haliaetus	Osprey		SE	034N007E 35	2005-06-28	NEST SITE
Fish	Coregonus artedi	Cisco		SSC	034N007E 35 SWQ SWQ	1955	
Mammal	Condylura cristata	Star-nosed Mole		SSC	033N007E 2 MI NW OF NORTH WEBSTER	1959-10	
Mammal	Myotis sodalis	Indiana Bat or Social Myotis	LE	SE	034N007E 34	1955-07-20	
Mammal	Taxidea taxus	American Badger			034N007E 34 NWQ NEQ	1993-04-06	

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TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Reptile	Sistrurus catenatus catenatus	Eastern Massasauga	C	SE	033N007E TRI COUNTY FISH AND WILDLIFE AREA	1957	
Vascular Plant	Bidens beckii	Beck Water-marigold		ST	033N007E 02 NWQ SEQ	1985-08-02	
Vascular Plant	Bidens beckii	Beck Water-marigold		ST	033N007E 02 NWQ SEQ NEQ	1979-08	
Vascular Plant	Bidens beckii	Beck Water-marigold		ST	033N007E TRI-COUNTY FWA	1962-07	
Vascular Plant	Geranium bicknellii	Bicknell Northern Crane's-bill		SE	034N008E 31 SEQ	1931-07-25	
Vascular Plant	Potamogeton friesii	Fries' Pondweed		ST	033N007E 02	1962-06	
Vascular Plant	Potamogeton friesii	Fries' Pondweed		ST	034N007E 35	1962-06	
Vascular Plant	Potamogeton strictifolius	Straight-leaf Pondweed		ST	034N007E 36	1963-05	
WAWASEE WETLANDS NATURE PRESERVE							
High Quality Natural Community	Lake - lake	Lake		SG	034N007E 15 NEQ	1980	
High Quality Natural Community	Wetland - marsh	Marsh		SG	034N007E 15 NEQ	1980	
High Quality Natural Community	Wetland - meadow sedge	Sedge Meadow		SG	034N007E 15 NEQ	1980	

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Endangered, Threatened and Rare Species, and High Quality Natural Communities from the Elkhart River subwatershed 210, Indiana

TYPE	SPECIES NAME	COMMON NAME	FED	STATE	TRS	LASTOBS	COMMENTS
Bird	Ardea herodias	Great Blue Heron			037N006E 18 NEQ SEQ	1982-07-06	
Bird	Bartramia longicauda	Upland Sandpiper		SE	036N006E GOSHEN AREA	1938-05-16	
Bird	Botaurus lentiginosus	American Bittern		SE	037N006E 18 NEQ SEQ	1982-07	
Bird	Ixobrychus exilis	Least Bittern		SE	036N006E 03	1950-06-28	
Bird	Lanius ludovicianus	Loggerhead Shrike		SE	036N006E 15	1938-04-27	
Bird	Rallus elegans	King Rail		SE	036N006E GOSHEN AREA	1918-05-08	
Bird	Rallus limicola	Virginia Rail		SE	036N006E 23	1933-08	
Fish	Moxostoma carinatum	River Redhorse			037N005E 23	2000-06-07	
Fish	Moxostoma valenciennesi	Greater Redhorse		SE	037N005E 25	2000-06-30	
High Quality Natural Community	Wetland - swamp shrub	Shrub Swamp		SG	036N006E 03 NEQ	1982	
Insect Coleoptera	Nicrophorus americanus	American Burying Beetle	LE	SX	036N007E MILLERSBURG	1917-06-30	
Mammal	Condylura cristata	Star-nosed Mole		SSC	036N005E 12	1971-06	
Mammal	Condylura cristata	Star-nosed Mole		SSC	037N005E 25 SWQ	1991-06-13	
Mollusk	Venustaconcha ellipsiformis	Ellipse		SSC	037N005E 22	2003-08-01	Weathered dead
Vascular Plant	Juniperus communis	Ground Juniper		SR	037N006E 32 N1/2	1932-06-30	
SHOUP - PARSONS SWAMP WOODS							
Bird	Botaurus lentiginosus	American Bittern		SE	036N006E GOSHEN AREA	1952-06-18	
Vascular Plant	Spiranthes lucida	Shining Ladies'-tresses		SR	036N006E 21 NEQ	1968-05	

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TABLE 20

Table 20: State and Federal Endangered and Threatened Species in the Elkhart River Watershed.			
Type	**Common Name**	**Federal Classification**	**State Classification**
Bird	American Bittern		State Endangered
Bird	Barn Owl		State Endangered
Bird	Black Tern		State Endangered
Bird	Black-crowned Night Heron		State Endangered
Bird	Henslow's Sparrow		State Endangered
Bird	King Rail		State Endangered
Bird	Least Bittern		State Endangered
Bird	Loggerhead Shrike		State Endangered
Bird	Marsh Wren		State Endangered
Bird	Osprey		State Endangered
Bird	Upland Sandpiper		State Endangered
Bird	Virginia Rail		State Endangered
Fish	Greater Redhorse		State Endangered
Fish	Lake Sturgeon		State Endangered
Insect	American Burying Beetle	Federal Endangered	
Mammal	Indiana Bat	Federal Endangered	State Endangered
Reptile	Blanding's Turtle		State Endangered
Reptile	Butler's Garter Snake		State Endangered
Reptile	Copperbelly Water Snake		State Endangered
Reptile	Eastern Massasauga	Candidate Species	State Endangered
Reptile	Spotted Turtle		State Endangered
Vascular Plant	American Scheuchzeria		State Endangered
Vascular Plant	American Water-pennywort		State Endangered
Vascular Plant	Bicknell Northern Crane's-bill		State Endangered
Vascular Plant	Bristly Sarsaparilla		State Endangered
Vascular Plant	Green Adder's-mouth		State Endangered
Vascular Plant	Highbush-cranberry		State Endangered
Vascular Plant	Horse-tail Spikerush		State Endangered
Vascular Plant	Kankake Globe-mallow		State Endangered
Vascular Plant	Mud Sedge		State Endangered
Vascular Plant	Northern Wild-raisin		State Endangered
Vascular Plant	Oakes Pondweed		State Endangered
Vascular Plant	Pale Vetchling Peavine		State Endangered
Vascular Plant	Prairie White-fringed Orchid		State Endangered
Vascular Plant	Purple Avens		State Endangered
Vascular Plant	Thinleaf Sedge		State Endangered
Vascular Plant	Wild Calla		State Endangered
Vascular Plant	Yellow-fringe Orchid		State Endangered
Vascular Plant	Bebb's Sedge		State Threatened
Vascular Plant	Beck Water-marigold		State Threatened
Vascular Plant	Fries' Pondweed		State Threatened
Vascular Plant	Great St. John's-wort		State Threatened
Vascular Plant	Herb-robert		State Threatened
Vascular Plant	Hooded Ladies'-tresses		State Threatened
Vascular Plant	Horned Bladderwort		State Threatened
Vascular Plant	Leiberg's Witchgrass		State Threatened
Vascular Plant	Slender Cotton-grass		State Threatened
Vascular Plant	Small Cranberry		State Threatened
Vascular Plant	Smooth Veiny Pea		State Threatened
Vascular Plant	Straight-leaf Pondweed		State Threatened
Vascular Plant	White-stem Pondweed		State Threatened

INVOICE

CLIENT: Tim Kroeker
V3 Company

DATE OF SERVICES RENDERED: August 10, 2007

SERVICES RENDERED: Provided Indiana Natural Heritage Data Center data on endangered, threatened, or rare species, and high quality natural communities of Indiana documented from five subwatersheds of the Elkhart River.

INVOICE AMOUNT: $42.00

BY: Ronald P. Hellmich
FOR: Division of Nature Preserves
Indiana Department of Natural Resources
402 W. Washington St., Room W267
Indianapolis, IN 46204
(317)232-4052

Please make checks payable to Indiana Division of Nature Preserves.

Invoice payable upon receipt.

Send check to the attention of

Ronald P. Hellmich
Division of Nature Preserves