

Table 1 - Local Agency Consultations
Transportation Improvements for Expanding Highway Capacity in the OKI Region
(OKI 2030 Regional Transportation Plan Update, June, 2008)

Project Code	Roadway Name	Project Location	Project Description
Butler County			
Scheduled Lane Addition (funding has been committed)			
10754	Refer to Warren County		
76290	SR 4 Bypass Phase 2	Superstreet intersection at Symmes Road and associated widening on SR 4 Bypass	Widen bypass to four lanes most of project; six lanes between Symmes and Tylersville roads
77099	US 27	From Merry Day Dr./Melanee Lane to the Oxford corp. line (toll credits for ROW) Adm. Cor 2-12-08	Widening US 27 including the addition of a center turn lane, sidewalks, street lighting & signals
79686	SR 122	Grand Avenue to IR 75 and from Union Road to Middletown east corporate line	Widening
81988	Butler-Warren Rd	From Tylersville Road to Bethany Road	Widen existing 2 lane roadway to 5 lanes
Scheduled New Roadway (funding has been committed)			
20499	SR 63 Extension	US 127 Eastward to existing SR 63 at SR4	New 2-lane facility
80516	Oxford Connector	From US 27 to SR 73	Construct a new two-lane connector road (toll credits)
Recommended Lane Addition (eligible for federal funding)			
202	S. Gilmore Rd.	Resor to Mack	Add southbound lane
222	Wayne-Madison Rd.	SR 4 to SR 73	Add 2 lanes & RR grade separator
230	Cincinnati-Dayton Rd.	West Chester Rd. to I-75	Widen to 3 lanes
240	Oxford State Rd.	Spurlino Way to SR 4	Reconstruction and widening.
250	SR 747	Princeton Rd. to SR 4 (N. Jct)	Widen to 5 lanes
254	US 27	Millville area	Bypass west of Millville
255	US 27	Ross to Millville	Widen to four lanes
256	US 27	Millville to Stillwell Beckett	Widen to 3 lanes
805	see Warren County		
Recommended New Roadway (eligible for federal funding)			
212	Bobmeyer Rd.	Bobmeyer Rd. to Bypass SR4	Extend Bobmeyer Rd. to Bypass SR 4 (airport)
258	Washington Blvd. Extension	Extend Washington Blvd. in Hamilton; across Great Miami to US 127	New extension
266	Grand Blvd.	Existing Grand Blvd. to Peck Blvd.	New 4-lane extension & RR overpass
Clermont County			
Scheduled Lane Addition (funding has been committed)			
79111	SR 28 Business	SR 28 to Cook Road (Admin. Correction 8-6-07)	Widen to 4 through lanes with turn lanes at signalized intersections and landscaped median
82140	SR 28	From 0.44 miles west of IR 275 to IR 275 southbound exit ramp	Construct a 5-lane roadway (3 lane existing) with a 4-foot sidewalk on one side
82553	Aicholtz Road Connector	Mt. Carmel-Tobasco to Eastgate Blvd.	Widen existing Aicholtz/Rust lane to three lanes

Project Code	Roadway Name	Project Location	Project Description
Clermont County (continued) ... Scheduled Lane Addition (funding has been committed)			
82554	Aicholtz Road Widening	Eastgate Blvd. to Glen Este-Withamsville	Widen to 5 lanes
82557	Old SR 74 - Phase 1	Eastgate Road to Bach-Buxton North	Add 1 lane
82563	SR 28	Branch Hill-Guinea Pike to SR 48	Add 1 lane
82582	Old SR 74	Olive Branch-Stonelick Rd. to Armstrong Blvd.	Widening to three lanes with 4 foot page shoulders and curb and gutter
Scheduled New Roadway (funding has been committed)			
22970-2	SR 32-Bach-Buxton Interch.	Elick Ln. to Old SR 74	Extend five lane Bach-Buxton extension with SR 32 interchange
82552	Aicholtz Road Extension	Glen Este-Withamsville Rd. to Bach-Buxton Rd.	New 5-lane roadway
82558	Tina Drive Extension	Old SR 74 to Tina Drive	New two-lane connector with turn lanes at Old SR 74 intersection (Admin. Mod. 6-10-08)
82561	Heitman Lane Extension	Olive Branch-Stonelick to east terminus of Heitman Lane	Widen to three lanes
82581	Amelia-Olive Branch Reloc.	Clough Pike to Olive Branch-Stonelick Rd. at SR 32	New 3-lane connector and ramp improvements
82586	SR 32-Frontage Road	Bauer Rd. to Half Acre Rd.	New three-lane frontage road with additional turn lanes at major intersections.
Recommended Lane Addition (eligible for federal funding)			
406	SR 28 Improvements	Branch Hill Guinea to SR 48	Add one lane 82563
436	Clough Pike Widening	Mt. Carmel-Tobasco to Eastgate Blvd. extension	Roadway widening to three lanes with sidewalks, curb and gutter. SCIP funding \$4M. TPC=\$5M
447	Business 28 - Phase 2	Cook Rd. to SR 28 East Junction	Widening to five lanes with curb and gutter and sidewalks. PID 79111
Hamilton County			
Scheduled Lane Addition (funding has been committed)			
NP12	ML King Drive	Central Parkway to Clifton Avenue.	Widen to 5 lanes w/ TWLTL from Central Pkwy to Clifton, 8 lanes from Clifton to Reading.
702	Refer to Kenton County		
8347	US 127	I-275 to 0.07 Miles S of Waycross Rd.	Widen to 4 lanes
25354	IR 74	Overlap section of I-74 and I-275 from 0.12 miles W of I-275 to eastern I-74/I-275 interchange	Rehabilitate and add 1 eastbound and 1 westbound lane in the median of I-74
75119	IR 71/IR 75	Ohio approaches to Brent Spence Bridge	Preliminary engineering of the roadway configurations
75765	IR 74/IR 275	I-74-From .07 mi E of I-275 to .48 mi E of I-275; I-275-from .63 mi E of I-74 to .07 mi W of RR Hwy	Reconstruct and widen IR 275 on overlap portion with IR 74
75880	US 22	1.41 miles N of I-275 to .18 miles S of the Hamilton/Warren Co. line (Kemper to Fields-Ertel)	Phase 3-Widen to 5 lanes to increase capacity and improve safety

Project Code	Roadway Name	Project Location	Project Description
Hamilton County (continued) ... Scheduled Lane Addition (funding has been committed)			
76256	IR 75	From 0.1 miles S of Paddock Rd. to 0.08 miles N of Kemper Rd.	Study the corridor for access improvements. Work includes major rehabilitation of pavement.
77889	IR 75	From south of SR 562 to north of SR 4	Widen for additional through lanes, reconstruct interchanges as needed
77944	IR 74	From Dry Fork Road to Harrison Road excluding the IR 275 overlap	Widen for an additional lane in each direction
82286	IR 75	From 0.4 miles north of Mitchell Ave. to 0.2 miles north of SR 562. (PE carried in PID 76257)	Reconstruct IR 75 from north of Mitchell interchange through SR 562 interchange. (Phase 7)
82288	IR 75	From 0.3 miles S of Shepherd Lane to 0.2 miles N of Glendale-Milford Road. (Amendment #15, 4-9-09)	Reconstruct IR 75 between Shepherd Lane and Glendale-Milford Road (Phase 8 of IR 75 projects)
83077	IR 71	Pfeiffer Road to I-275	Add 1 auxilliary lane northbound (TIP Amendment 6-12-08)
Recommended Lane Addition (eligible for federal funding)			
614	Reading Rd. (US 42)	Clinton Springs to Paddock	Add one lane & Intersection improvements
618	US 27	Kirby Rd. to Springdale Rd.	Widen to 6 lanes with access management and signal timing improvements
620	Ebenezer Road	SR 264/Taylor/Bridgetown to Hutchinson	Add 1 lane each direction with signal timing improvements and major intersection upgrades.
632	Blue Rock Road	Sheits Road to Cheviot Road	Widen Road, Curb, Gutter, Fix Horizontal/vertical deficiencies, access management. 'Additional thro
650	SR 4	390' north of Sharon Rd to Cameron Rd	Widening to a three-lane section with right turn lanes at major drives, replacement of an existing s
654	Delhi Road	Greenwell Avenue to City Limits	Widen to 4 lanes
655	Red Bank Rd.	US 50 to I-71	Grade separation and frontage roads
658	US 27	Virginia Ave. to Spring Grove Ave.	Add one lane. Geometric improvements near I-74/75 junction
659	US 42 (Reading Road)	Elsinore to Forest	Provide 5 lanes and intersection improvements
661	Blue Rock Road	Colerain Avenue to Spring Grove Ave.	Add one lane
664	Cheviot Rd./North Bend Rd.	West Fork to Poole Road	Addition of Lane, Improve Intersection with turn lanes, left turn approaches
667	North Bend Rd.	Monfort Heights Rd. to West Fork Rd.	Widen to 4 lanes south of I-74, widen to 6 lanes north of I-74
670	Paddock Rd. / SR 4	I-75 to Sharon Rd.	Add one lane. Intersection improvements. Replace RR bridges.
682	Ridge Rd.	I-71 to Highland	Add 2 lanes
691	Montana Ave.	Farrell to Boudinot	Add one lane. Widen lanes and intersection improvements

Project Code	Roadway Name	Project Location	Project Description
Hamilton County (continued ... Recommended Lane Addition (eligible for federal funding)			
692	IR 71	Taft/McMillan to Dana/Duck Creek	Improved interstate access. Add one lane each direction. Realign ramp from US 22 to SB 1-71
Recommended New Roadway (eligible for federal funding)			
669	SR 32 relocated	US 50 to Eight Mile Rd.	New 4-lane facility
Warren County			
Scheduled Lane Addition (funding has been committed)			
10754	IR 75	3.40 miles N of the Ham/But Co. line to the Montgomery County line	Major rehabilitation of existing pavement, raise bridges, add median lanes. Upgrade SR 122 interchan
79686	Refer to Butler County		
81986	Bethany Road	Between Butler-Warren Road and the Mason Corporate line	Widen roadway to 3 lanes with right-of-way for 5 lanes
Scheduled New Roadway (funding has been committed)			
NP22	SR 123/SR 63 Connector	SR 123 to SR 63 west of Lebanon	New connector road
20499	Refer to Butler County		
Recommended Lane Addition (eligible for federal funding)			
801	Bethany Rd.	City of Mason - West Mason Corp. Limit to Mason-Morrow-Millgrove Rd.	Widen to 5 lanes and connect Bethany and Mason-Morrow-Millgrove
805	Butler-Warren Rd.	Barrett Rd. to Tylersville Rd.	Widen to 5 lanes.
807	Columbia Rd.	Locust Ave. to Stone Hollow Ct.	Add 3 lanes
808	Towne Blvd.	City of Middletown - Dixie Hwy. to Village Dr.	Minor widening of roadway to create consistent lane configuration through the corridor. Access mana
838	Mason Montgomery Road	Fields Ertel to Socialville Fosters Road	Widen one lane in each direction
847	Columbia Rd.	Kings Mill Rd. to Mason-Morrow-Millgrove Rd.	Add one lane in each direction on Columbia Rd. or Widen to 5 lanes on Kings Island Dr. Extension
Recommended New Roadway (eligible for federal funding)			
803	Core Loop Rd. NE	City of Middletown - Union Rd. to SR 122	New roadway loop with sidewalks and multi-use paths.
804	Core Loop Rd. SE	City of Middletown - SR 122 to Union Rd.	New roadway connecting developments on the SE corner of Union Rd and SR 122 to a new signalized inte
846	Waterstone Connector	Extend Waterstone Drive over I-71 to Duke Drive	New extension
Boone County			
Scheduled Lane Addition (funding has been committed)			
6-14.00	IR 71/75	IR 71/75 at KY 536 (Mt. Zion Road) See 14.01 for study	Improve interchange and widen KY 536 to five lanes east to US 25 (toll credits)
6-158.00	KY 536	From US 42 to I-75 (TIP Amendment 8-9-07)	Widen to 5 lanes

Project Code	Roadway Name	Project Location	Project Description
Boone County (continued) ... Scheduled Lane Addition (funding has been committed)			
6-8001.10	KY 237	From US 42 at Gun Powder to Woodcreek Drive (south section)	Reconstruct and widen KY 237 (Administrative Modification 4-7-09)
6-8001.21	KY 237	From Woodcreek Drive to Rogers Lane (middle section)	Reconstruct and widen KY 237
6-8001.25	KY 237	From Rogers Lane to KY 18 (north section)	Reconstruct and widen KY 237
6-8200.10	US 25	KY 338 (Richwood Road) to KY 3060 (Frogstown Road)	Widen to 5 lanes
6-8200.70	US 25	KY 536 (Mt. Zion Road) to KY 1829 (Industrial Road)	Widen to 5 lanes
6-8200.40	US 25	KY 3060 (Frogstown Road) to KY 536 (Mt. Zion Road)	Widen to 5 lanes
6-8413.00	KY 1829 (Industrial Rd)	From just east of US 25 to KY 1303 (Turkeyfoot Rd)	Widen roadway to five lanes
Scheduled New Roadway (funding has been committed)			
6-193.00	South Airfield Rd (Bypass)	From KY 18 to Turfway Road (Admin Correction 1-8-08, 4-7-09)	New 4 & 5 lane roadway
6-193.03	South Airfield Rd (Bypass)	From KY 18 to Turfway Road (Admin. Correction 1-8-08, 4-7-09)	New 4 & 5 lane roadway
Recommended Lane Addition (eligible for federal funding)			
102	US 42	I-75 to KY 842	Reconstruction/Major widening
113	KY 237 (Gunpowder Rd.)	US 42 to KY 536 (Mt. Zion Rd)	Widen/improve
114	KY 3060 (Frogtown)	US 42 to US 25	Reconstruction and widen
120	KY 338 (Richwood Rd)	(KY 2951) Chambers Rd. to US 25 (Dixie Hwy)	Widen to 5 lanes and interchange improvements at I-75 and Dixie
122	KY 3076 (Mineola Pike)	I-275 to KY 236 (Donaldson Rd.)	Widen/improve
126	US 25	KY 338 to Walton	Widen to 4 lanes
142	KY 236 (Donaldson Rd.)	from Cherry Tree Lane to Mineola Pike (KY 3076)	Major widening
151	US 42	from KY 237 to KY 842	Widen
Recommended New Roadway (eligible for federal funding)			
116	KY 3157 (Mall Rd.)	KY 18 to Woodspoint Drive	New 4-lane extension
124	Frogstown Rd. Connctr. Ext-N	KY 3060 Frogstown Rd. to KY 536	New extension
127	New Connector	KY 237 to KY 3168 (Limaburg) at Gateway Bl.	New 2-lane connector
128	Camp Ernst Rd.	KY 237 to I-71 at KY 14	Upgrade and extend as 4-lane divided facility
Campbell County			
Scheduled Lane Addition (funding has been committed)			
6-156.00	KY 547	AA Highway to KY 10	Reconstruction, add climbing lane
6-46.20	US 27	From KY 154 to Campbell County Park (TIP amendment #14, 3-12-09, Admin. Mod #14, 2-10-09)	Widen to 5 lanes

Project Code	Roadway Name	Project Location	Project Description
Campbell County (continued)			
Scheduled New Roadway (funding has been committed)			
6-352.00	KY 536	US 27 to KY 9	Extension of existing roadway (toll credits)
6-8101.01	KY 9	From 11th St. to 4th St.	Construct a new route with 4 through lanes (see 8101.02 for construction phase)
6-8101.02	KY 9	From 11th St. to 4th St.	Construct a new route with 4 through lanes (see 8101.01 for design, row and utility phases)
6-8105.01	AA-I-275 Connector	From I-275 to the AA Highway--new connector road	I-275 to AA Highway (toll credits)--see 8105.02
6-8105.02	AA-I-275 Connector	From I-275 to the AA Highway--new connector road	I-275 to AA Highway (toll credits)--see 6-8105.01
Recommended Lane Addition (eligible for federal funding)			
304	KY 9	I-275 to US 27	Major widening from US 27 to I-275
311	IR 471	US 27 to KY 8	Major widening
317	KY 8	Riviera Dr. to Hallam Ave. (Bellevue)	Reconstruct, improve intersection and widen
320	KY 709	US 27 to KY 9	Reconstruct and widen East Alexandria Connector
332	KY 2345	from Martha Layne Collins Blvd to I-275	Reconstruction and widening of Johns Hill Rd.
713	Refer to Kenton County		
Kenton County			
Scheduled Lane Addition (funding has been committed)			
702	IR 71/75	Brent Spence Bridge	Reconstruct and add lanes to address safety and congestion concerns
6-8413.00	Refer to Boone County		
6-162.00	KY 536	Boone County Line to KY 17	Widen to 5 lane urban typical with raised median
6-344.21	KY 16	From Hands Pike to the south intersection of Old Taylor Mill Rd.	Reconstruct and widen to 5 lanes
6-17.03	IR 75	Brent Spence Bridge	Replace Brent Spence Bridge (see 6-17.04 for additional HPP funding)
6-17.04	IR 75	Brent Spence Bridge	Transportation Improvements (see 6-17.03 for additional HPP funding)
Scheduled New Roadway (funding has been committed)			
6-344.11	KY 16	I-275 to south intersection of Old Taylor Mill Rd.	Construct 5-lane KY 16 near Old Taylor Mill Rd. alignment
Recommended Lane Addition (eligible for federal funding)			
706	KY 1303	Dudley to US 25	Reconstruct and widen with bike lane north to end of 4 lanes & add 2 lanes north of I-275
707	KY 1303	KY 536 to Richardson	Widen with bike lane
711	KY 236	Cherry Tree Ln. to US 25	Reconstruct/widen
712	KY 371	Avon Dr. to I-71/75	Add 2 lanes with sidewalk

Project Code	Roadway Name	Project Location	Project Description
Kenton County (continued) ... Recommended Lane Addition (eligible for federal funding)			
713	KY 8	4th St. Bridge over Licking River	Add 3 lanes. Difficult existing ROW constraints noted by County
714	KY 8	4th St. from Main St. to I-75	Modify alignment; add approach lane to I-75
715	US 25	KY 236 to Hallam Ave.	Widening and replacement of RR Bridge
716	US 25	I-275 to Dudley Pike	Major widening. 06 059 B0025 125.00
731	KY 8	5th St. from I-75 to Main Street	Widening of 5th St. to improve safety and mitigate congestion
741	US 25	Park Hills: Entire length	4 to 2 lanes with landscape median and sidewalk connectivity
Recommended New Roadway (eligible for federal funding)			
703	KY 1501 (Hands Pike)	KY 16 to KY 17	KYTC#6-8307.00. New 3-lane facility north of existing KY 1501 (following Wayman's Branch alignment)
719	KY 536	KY 17 to KY 16	Major widening and relocation
734	KY 536	KY 16 to KY 177	2-lane facility on new alignment
Dearborn County			
Scheduled Lane Addition (funding has been committed)			
0800426	IR 275	EB Connector ramp from US 50 to IR 275	RH eastbound lane will be extended 700' from where it tapers out to where it widens again
Recommended Lane Addition (eligible for federal funding)			
501	Scenic Drive	Wilson Creek Rd. to SR 48	Added capacity / US 50 to SR 1 Innerloop
505	SR 1	US 50 to Nowlin Av.& SR 1 intersection	Realign and add a lane each direction
512	Pribble Road	SR 48 to SR 1	Added capacity / US 50 to SR 1 Innerloop

**Table 2
State-Conserved Areas in the OKI Region**

Map Code	Facility Name	County	Acres	Note
Nature Preserves - dedicated under state law				
NP1	Hueston Woods State Nature Preserve	Butler	29	Within a state park
NP2	Sharon Woods Gorge	Hamilton	21	Within a county park
NP3	Caesar Creek Gorge State Nature Preserve	Warren	483	
NP4	Halls Creek Woods State Nature Preserve	Warren	278	
NP5	Crooked Run ... Sanctuary	Clermont	78	
NP6	Boone County Cliffs State Nature Preserve	Boone	74	
NP7	Dinsmore Woods State Nature Preserve	Boone	107	
OKI Region			1,070	

Wildlife Areas / Wildlife Management Areas - preserves with hunting and fishing

WA1	Pater Wildlife Area	Butler	192	
WA2	Spring Valley Wildlife Area*	Warren	288	
WA3	Caesar Creek Lake Wildlife Area*	Warren	1,109	Connected to a state park
WA4	East Fork Wildlife Area	Clermont	2,705	Connected to a state park
WA5	Mullins Wildlife Management Area	Kenton	254	
WA6	Adair Wildlife Management Area	Boone	631	
OKI Region			5,179	

State Parks

SP1	Hueston Woods State Park*	Butler	1,022	Includes State Nature Preserve
SP2	Caesar Creek State Park*	Warren	7,066	Connected to a Wildlife Area
SP3	Little Miami State Park	Cl,Hm,Wr	127	
SP4	Stonelick State Park	Clermont	1,258	
SP5	East Fork State Park	Clermont	7,301	Connected to a Wildlife Area
SP6	Big Bone Lick State Park	Boone	512	
OKI Region			17,286	

* Extends beyond the OKI Region (acreage is for in-region only)

Additional Area

Additional area conserved by the states but not included in the table or accompanying map are Ohio's State Dedicated Natural Areas (434 acres in Hamilton County) and Indiana preserves without trails or parking (62 acres in Dearborn County).

Source of Acreage Data

Acreage of sites entirely within the OKI Region is from state agency websites. Acreage for in-region portion of sites that extend outside of the OKI Region is from OKI.

State Agency Websites

OH http://www.dnr.state.oh.us/Home/Preserves/preserves_info/mapofpreserves/tabid/860/Default.aspx
<http://www.dnr.state.oh.us/tabid/20256/Default.aspx>
<http://www.dnr.state.oh.us/parks/default/tabid/726/Default.aspx>
 KY <http://naturepreserves.ky.gov/naturepreserves/Pages/preserves.aspx>
<http://www.kdfwr.state.ky.us/kfwis/wmaguide.asp?lid=600&NavPath=C100C154>
<http://www.parks.ky.gov/maps/default.htm>
 IN <http://www.in.gov/dnr/3672.htm>
<http://www.ai.org/dnr/fishwild/3204.htm>
<http://www.in.gov/dnr/parklake/11925.htm>

Table 3
Regionally-Significant Streams in the OKI Region

based on State Conservation Plans, Maps, and Inventories - prepared for 2010 Local Consultations - Dec. 2010

River or Stream (segments within the OKI Region)	County	Conservation Priority in State Wildlife Conservation Plan	Designated Use in State Water Quality Standards	Assessment Results in 2008 State Integrated Report (biannual 305b report)	Ecological Value in State Antidegradation Policy	Additional Indicators of Regional Significance
Great Miami River	Butler Dearborn Hamilton Warren	#5 rank among 11 Ohio Focus Watersheds		Fully supports its designated aquatic life use in Dearborn County		Nationwide Rivers Inventory (excluding Hamilton & Middletown areas)
Elk Creek	Butler		Ohio Exceptional Warmwater Habitat			
Four Mile Creek	Butler		Ohio Exceptional Warmwater Habitat between RM 13/Darrtown Rd. & RM .4/Sevenmile Ave.		Proposed as Ohio Superior High Quality Water between RM13/Darrtown Rd.& RM .4/Sevenmile Ave	Nationwide Rivers Inventory from Acton Lake to Sevenmile Creek
Indian Creek	Butler			Watershed meets some designated uses (insufficient data to determine if all uses are met)		
Sevenmile Creek (trib. to Fourmile Ceek)	Butler		Ohio Exceptional Warmwater Habitat	Watershed meets all designated uses (only one in Ohio)	Ohio Superior High Quality Water	
Twin Creek	Warren		Ohio Exceptional Warmwater Habitat		Ohio Outstanding State Water	
Licking River	Campbell Kenton	Mussels Conservation Area	Kentucky Outstanding State Resource Water south of RM 19.3/SR 536 bridge	Fully supports its aquatic habitat designation between RM 0 & 4.8 and between RM 31 & 37.6		
Bowman Creek	Kenton		Kentucky Outstanding State Resource Water between RM 0 & 6.0	Fully supports its aquatic habitat designation between RM 0 & 6.0	Kentucky Exceptional Water between RM 0 & 6.0	
Cruises Creek	Kenton			Fully supports its aquatic habitat designation between RM 0 & 8.6		
Sawyers Fork (trib. to Cruises Creek)	Kenton		Kentucky Outstanding State Resource Water	Fully supports its aquatic habitat designation between RM 0 & 3.3	Kentucky Exceptional Water	

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Little Miami River	Clermont Hamilton Warren	#1 rank among 11 Ohio Focus Watersheds	Ohio Exceptional Warmwater Habitat above RM 3.0 (S of Beechmont Ave.)		Ohio Outstanding State Water	
Caesar Creek	Warren		Ohio Exceptional Warmwater Habitat		Ohio Superior High Quality Water	
Dry Run (trib. to Turtle Creek)	Warren		Ohio Coldwater Habitat between headwaters & RM 1.2			
East Fork	Clermont		Ohio Exceptional Warmwater Habitat		Ohio Superior High Quality Water between mouth & Howard Run/RM 45.18 excluding EastForkLake	
Halls Creek	Warren		Ohio Exceptional Warmwater Habitat			
Newman Run	Warren		Ohio Exceptional Warmwater Habitat			
Ohio River	Boone Cambell Clermont Dearborn Hamilton Kenton	Mussels Conservation Area east of the Licking River				
Bell Branch (trib. to Laughery Creek)				Fully supports its designated aquatic life use		
Big Bone Creek	Boone			Fully supports its aquatic habitat designation between RM 1.2 & 10.7		
Big South Fork	Boone			Fully supports its aquatic habitat designation between RM 0.8 & 3.0		
Brush Creek (trib. to Twelvemile Creek)	Campbell			Fully supports its aquatic habitat designation between RM 0 and 1.6		

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Ohio River (continued from previous page)						
Double Lick Creek (trib. to Woolper Creek)	Boone		Kentucky Outstanding State Resource Water	Fully supports its aquatic habitat designation between RM 0 & 3.5	Kentucky Exceptional Water	Kentucky Reference Reach Network
Fourmile Creek	Campbell			Fully supports its aquatic habitat designation between RM .2 & 9.4		
Garrison Creek	Boone		Kentucky Outstanding State Resource Water	Fully supports its aquatic habitat designation between RM 0 & 4.85	Kentucky Exceptional Water	Kentucky Reference Reach Network
Laughery Creek	Dearborn			Fully supports its designated aquatic life use west of Hayes Branch		Nationwide Rivers Inventory and Outstanding Rivers List for Indiana
Little South Fork (trib. to Big South Fork)	Boone		Kentucky Outstanding State Resource Water between RM 1.2 & 5.9	Fully supports its aquatic habitat designation between RM 1.2 & 5.9	Kentucky Exceptional Water between RM 1.2 & 5.8	
North Hogan Creek	Dearborn			Fully supports its designated aquatic life use between Hogan Creek and unnamed tributary south of Soap Hill Road		
Pleasant Run Creek	Kenton			Fully supports its aquatic habitat designation between RM .2 & 3.4		
Second Creek	Boone		Kentucky Outstanding State Resource Water between RM .2/Ohio River backwaters & 2.7/headwaters	Fully supports its aquatic habitat designation between RM .5 & 2.9	Kentucky Exceptional Water between RM .4/Ohio River backwaters & 2.9/headwaters	Kentucky Reference Reach Network between RM .4 & 2.9
Twelvemile Creek	Campbell			Fully supports its aquatic habitat designation between RM 3.5 & 9.0 and between RM 10.4 & 13.2		

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Whitewater River (trib. to Great Miami River)	Butler (trib.s, not mainstem) Dearborn Hamilton	Consistent with Indiana plan goals for Priority Conservation Areas	Ohio Exceptional Warmwater Habitat	Fully supports its designated aquatic life use in Dearborn County	Ohio Superior High Quality Water	Outstanding Rivers List for Indiana
Blue Creek (headwaters)	Dearborn			Fully supports its designated aquatic life use		
Cooper Run	Dearborn Hamilton			Fully supports its designated aquatic life use in Dearborn County		
Crane Run	Dearborn			Fully supports its designated aquatic life use		
Doublelick Run	Dearborn Hamilton			Fully supports its designated aquatic life use in Dearborn County		
Dry Fork (trib. to Whitewater River)	Butler Hamilton		Ohio Exceptional Warmwater Habitat between state line and RM 10.2/Atherton Rd.			
Jamison Creek	Dearborn Hamilton			Fully supports its designated aquatic life use in Dearborn County		
Johnson Fork	Dearborn			Fully supports its designated aquatic life use		
Logan Creek	Dearborn			Fully supports its designated aquatic life use		
Pinhook Creek	Dearborn			Fully supports its designated aquatic life use		
Pipe Creek (headwaters)	Dearborn			Fully supports its designated aquatic life use		
Sand Run Creek	Dearborn Hamilton			Fully supports its designated aquatic life use in Dearborn County		

Table 3-1 Regionally-Significant Streams based on
Conservation Priority
in State Wildlife Conservation Plan

Conservation priority locations or criteria are defined in state wildlife conservation plans. These plans

- aim to conserve wildlife and habitat before they become more rare and more costly to protect;
- focus on preserving Species of Greatest Conservation Need (species that are rare, declining, or vulnerable and have no legal protection);
- provide a tool for project reviews and funding and provide eligibility for federal funds.

<http://www.wildlifeactionplans.org/index.html>

Categories of Conservation Priority by State

These are used as indicators of Regionally-Significant Streams in the OKI Region

OHIO

Focus Areas identify priority locations for conserving aquatic habitat. They are

- described in the *Ohio Comprehensive Wildlife Conservation Strategy, 2005*
- developed by ODNR, Ohio Division of Wildlife

http://www.fws.gov/midwest/FederalAid/state_plans.html

<http://www.wildlifeactionplans.org/ohio.html>

KENTUCKY

Conservation Areas are identified for six taxonomic groups. They are

- described in the *Kentucky Comprehensive Wildlife Conservation Strategy (aka Kentucky Wildlife Action Plan), 2005*
- developed by the Kentucky Department of Fish and Wildlife Resources

In addition to Conservation Areas shown on the OKI map ...

- Mussel Conservation Areas defined in more detail occur in Campbell County along the lower Licking River and in the Twelve mile Creek watershed (HUC-14s 05100101 230290 and 05090201 380110).
- Amphibian Conservation area occurs in parts of Boone and Kenton Counties.
- Bird Forestland and Bird Wetland Conservation Areas occur in parts of Campbell and Kenton Counties.

<http://fw.ky.gov/kfwis/stwg/>

<http://www.wildlifeactionplans.org/kentucky.html>

INDIANA

Indiana conservation priorities are not defined as places but by criteria: conservation priorities are places that provide habitat for Species of Greatest Conservation Need, provide connectivity for wildlife movement and migration, and address the goal to preserve the state's native biological diversity (and thus contribute to the preservation of national and global biological diversity). Conservation priorities are

- discussed in *Indiana Comprehensive Wildlife Conservation Strategy, 2006*
- developed by the Indiana Department of Natural Resources, Division of Fish and Wildlife, Wildlife Diversity Section.

http://www.fws.gov/midwest/FederalAid/state_plans.html

<http://www.wildlifeactionplans.org/indiana.html>

Table 3-2 Regionally-Significant Streams based on
Designated Use
in State Water Quality Standards

States assign Designated Uses to individual streams based on their existing and potential ability to support aquatic habitat, recreation, water supply, and other functions.

- The Designated Uses for aquatic habitat reflect stream conditions ranging from relatively unimpaired to degradation beyond recovery.
- Designated Uses are defined in State Water Quality Standards contained in administrative code and including criteria for measuring attainment and protecting Designated Uses.
- State Water Quality Standards define state strategy for meeting Clean Water Act goals: to restore and maintain the chemical, physical, and biological integrity of the nation's waters so that they can support the protection and propagation of fish, shellfish, and wildlife and recreation in and on the water.
- States review water quality standards every three years in a process that provides for public participation and the opportunity to revise Designated Uses.

Designated Uses by State

that are used as indicators of Regionally-Significant Streams in the OKI Region

OHIO

Exceptional Warmwater Habitat

- Waters capable of supporting and maintaining an exceptional or unusual community of warmwater aquatic organisms (related to species composition and diversity)

Coldwater Habitat

- Waters capable of supporting populations of native coldwater fish and associated vertebrate and invertebrate organisms and plants on an annual basis

Ohio Administrative Code, Chapter 3745-1 Water Quality Standards

http://www.epa.ohio.gov/dsw/rules/3745_1.aspx

KENTUCKY

Outstanding State Resource Water

- Waters that support federally recognized endangered or threatened species or may ... have exceptional aesthetic or ecological value ... be within the boundaries of a state or local government parks ... be part of a watershed that can provide scientific data ...

Kentucky Administrative Regulations, Title 401, Chapter 10 Water Quality Standards

<http://www.lrc.ky.gov/kar/TITLE401.HTM>

INDIANA

Exceptional Use

- Waters designated as such by the Water Pollution Control Board (11 streams in the state; none in Dearborn County)
- Proposals can be made for designation for Exceptional Use for streams that provide unique or exceptional habitat, support rare or endangered species or an excellent sports fishery, have exceptional aesthetic qualities or other qualities in a process spelled out in state rules

Indiana Administrative Code, Title 327, Article 2

<http://www.in.gov/legislative/iac/T03270/A00020.PDF>

Table 3-3 Regionally-Significant Streams based on
Assessment Results
in 2008 State Integrated Report (biannual 305b report)

States provide water quality assessment results to EPA every two years in a State Integrated Report (combines assessment data required under Clean Water Act Section 305(b) with a ranking of streams that do not meet water quality goals required by Section 303(d)).

- Assessment results indicate which water resources attain/support their Designated Uses and indicate state and national progress toward meeting Clean Water Act goals.
- Data is reported by assessment units that are defined by the states (streams and stream segments in Kentucky and Indiana; watersheds and large river segments in Ohio).
- Assessment units are classified into five major categories based on assessment results: Category 1 indicates attainment of Designated Use; Categories 2 and 3 indicate insufficient data for determining attainment of some or all Designated Uses; Categories 4 and 5 indicate that water is impaired and the type of strategy needed to reach attainment.

Categories of Assessment Results by State

that are used as Indicators of Regionally-Significant Streams in the OKI Region

OHIO (as listed in Table 3)

Watershed meets all Designated Uses

- Corresponds to Ohio Category 1: All Designated Uses are met

Watershed meets some Designated Uses (insufficient data to determine if all are met)

- Corresponds to Ohio Category 2: Some of the Designated Uses are met but there is insufficient data to determine if remaining Designated Uses are met

Source: *2008 Integrated Water Quality Monitoring and Assessment Report* by Ohio EPA, Div. of Surface Water: Sections M2, Watershed Assessment Unit Results; M3, Large River Assessment Unit Results; Section K Maps:Section 303(d) Reporting Category, Watershed Assessment Units

<http://www.epa.state.oh.us/dsw/tmdl/2008IntReport/2008OhioIntegratedReport.aspx>

KENTUCKY (as listed in Table 3)

Fully supports its aquatic habitat designation

- Corresponds to Kentucky Category 2: Assessed Designated Use(s) fully supporting, but not all Designated Uses assessed

Source: *2008 Integrated Report to Congress on Water Quality in Kentucky (305[b] and 303[d] reports)*, Kentucky Department for Environmental Protection, Division of Water: Volume 1, Part 4, Appendix A, Statewide Assessment Results, pages 19-29

<http://water.ky.gov/waterquality/Pages/IntegratedReport.aspx>

INDIANA (as listed in Table 3)

Fully supports its designated aquatic life use

- Corresponds to Indiana Category 2: Aquatic life use is fully supported and none of its Designated Uses are impaired

Source: Data from Indiana Dept. of Environmental Management in Sept.2009 that is more detailed but is consistent with *2008 Integrated Water Monitoring and Assessment Report* by the Indiana Dept. of Environmental Management, Office of Water Quality: Appendix B Indiana's Consolidated List of Waterbodies ...

<http://www.in.gov/idem/4679.htm>

Table 3-4 Regionally-Significant Streams based on
Ecological Value
in State Antidegradation Policy

Ecological value – indicated by types and variety of species – is the basis for categorizing streams and protection levels in state antidegradation policy. Antidegradation policy

- is intended to keep clean waters clean and preserve the existing quality of streams categorized as having exceptional ecological value;
- allows water quality to be lowered to accommodate economic or social development but requires that existing uses be maintained;
- is a flexible process incorporated into Water Quality Standards (state administrative code) for regulating wastewater dischargers and may consider construction and storm water sources;
- provides for revisions to streams per category and for policy review every 3 years.

Categories of Highest Ecological Value in State Antidegradation Policy
that are used as indicators of Regionally-Significant Streams in the OKI Region

OHIO

- **Superior High Quality Water** has exceptional ecological values based on the presence of threatened or endangered species and a high level of biological integrity.
- **Outstanding State Water** qualifies as Superior High Quality Waters and is further distinguished as among the best waters of the state from an ecological perspective.
- Policy protects streams by reserving part of remaining pollutant assimilative capacity from use for wastewater treatment: 70% set-aside for OSWs and 35% for SHQWs.
- The set-asides can be reduced in exchange for credit projects that enhance water quality.
- Policy is in OAC 3745-1-05 http://www.epa.state.oh.us/dsw/rules/3745_1.aspx

KENTUCKY

- **Exceptional Water** in anti-degradation policy includes streams with Designated Use as Outstanding State Resource Water, except for the lower Licking River (the size of the stream precludes the technical process that supports classification as Exceptional Water).
- Policy applies the same protection approach to all streams that are not impaired (includes streams classified as High-Quality Waters that have not been assessed).
- Policy is in 401 KAR 10:026 – 031
<http://www.lrc.ky.gov/kar/401/010/030.htm>

INDIANA

- **Outstanding State Waters** are designated by the Water Pollution Control Board based on unique or special ecological, recreational, or aesthetic significance.
- Indiana has three designated Outstanding State Waters; none are in Dearborn County.
- The permit applicant is responsible for showing that the receiving stream is or is not an Outstanding State Resource Water for consideration by the Water Pollution Control Board.
- A discharger may lower the quality of an Outstanding State Resource Water in exchange for a water quality improvement project or payment to a water quality improvement project fund.
- Policy under development will define procedures for implementing water quality standards (e.g., how the permit applicant can demonstrate if a stream will or will not be degraded).
- Policy is in 327 IAC 2 <http://www.in.gov/legislative/iac/T03270/A00020.PDF>

Table 3-5 Regionally-Significant Streams based on
Additional Indicators
of Regional Significance

Streams listed in the **Nationwide Rivers Inventory (NRI)** potentially qualify as national wild, scenic or recreational river areas (Fourmile Creek segment, Great Miami River excluding certain areas, Laughery Creek)

- The NRI identifies free-flowing river segments with one or more Outstandingly Remarkable Values of more than local or regional significance.
- The list was compiled and is maintained by the National Park Service in response to Section 5.(d) of the National Wild and Scenic Rivers Act; it qualifies as a comprehensive plan under Section 10(a)(2)(A) of the Federal Power Act.
- A 1979 Presidential directive (and related Council on Environmental Quality procedures) require all federal agencies to seek to avoid or mitigate actions that would adversely affect NRI segments: (as part of normal planning and environmental review processes) and to consult with the National Park Service prior to taking actions that could effectively foreclose wild, scenic or recreational status.

<http://www.nps.gov/ncrc/programs/rtca/nri/>

Streams in the **Kentucky Reference Reach Network** have been identified as the least-impacted waters representative in geographic regions of the state known as ecoregions (Double Lick Creek, Garrison Creek, Second Creek part)

- Typical reference reach watersheds contain a high proportion of natural vegetation and have minimal human disturbance.
- The Network is the responsibility of the Kentucky Division of Water.
- Reference Reach streams (protected under antidegradation policy) are used for collecting data to define potential environmental quality and for comparing with other streams in the same ecoregion (reference condition for chemistry, habitat, and biology; assessment criteria).

<http://water.ky.gov/waterquality/Pages/WQMonitoring.aspx>

Streams in the **Outstanding Rivers List for Indiana** have been identified as having exceptional environmental or aesthetic value (Laughery Creek and Whitewater River).

- Streams are listed based on natural conditions in the stream corridor; streams qualify under one or more of 22 categories; they represent less than 9% of Indiana total river miles.
- The list was developed by the Indiana Division of Outdoor Recreation of the Department of Natural Resources, adopted by the Indiana Natural Resource Commission (1993), and published in the state register (Information Bulletin #4; 16 IR 1677).
- The list provides guidance rather than regulatory application except where incorporated into a statute or rule (the listing is referenced in the standards for utility line crossings within floodways). The list is used in Indiana Dept. of Transportation environmental reviews (page 177 of INDOT's Procedural Manual); it is included on the Indiana Division of Water website.

<http://www.in.gov/legislative/register/20070530-IR-312070287NRA.xml.pdf>

**Table 4
Endangered, Threatened, and Rare Species in the OKI Region**

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
							11	32	40	21	31	36	35	10
Number of Animal Species	100	33	34	84	57	46	11	32	40	21	31	36	35	10
Number of Plant Species	61	4	1	48	19	27	12	25	20	10	8	6	3	10
Number of Total Species	161	37	35	132	76	73	23	57	60	31	39	42	38	20
Mammals														
American badger	Taxidea taxus			Concern		Concern								●
Bobcat	Lynx rufus			Endangered		Concern			●					●
Eastern Spotted Skunk	Spilogale putorius				Concern							●		
Indiana Bat	Myotis sodalis	Imperiled	Endangered	Endangered	Endangered	Endangered	●	●	●					
Reptiles														
Eastern Box Turtle	Terrapene carolina			Concern		Concern				●				
Eastern Massasauga Rattlesnake	Sistrurus catenatus	Critically imperiled	Candidate (1999, pr. 9)	Endangered		Endangered				●				
False Map Turtle	Graptemys pseudogeographica			Concern				●	●					
Kirtland's Snake	Clonophis kirtlandii	Imperiled	Concern	Threatened	Threatened	Endangered	●	●	●	●		●	●	
Rough Green Snake	Opheodrys aestivus			Concern		Concern		●	●					
Spotted Turtle	Glyptemys guttata			Threatened		Endangered				●				
Timber Rattlesnake	Crotalus horridus			Endangered		Endangered								●
Birds														
American Bittern	Botaurus lentiginosus			Endangered	Historic	Endangered			●					
Bachman's Sparrow	Aimophila aestivalis	Vulnerable	Concern	Extirpated	Endangered						●		●	
Bank Swallow	Riparia riparia				Concern						●	●		
Barn Owl	Tyto alba			Threatened	Concern	Endangered					●		●	●
Bewick's Wren	Thryomanes bewickii		Concern	Endangered	Concern								●	
Black-crowned Night-heron	Nycticorax nycticorax			Threatened	Threatened	Endangered	●		●					●
Henslow's Sparrow	Ammodramus henslowii		Concern	Concern	Concern	Endangered					●			
Interior Least Tern	Sterna antillarum athalassos		Endangered		Endangered	Endangered								●
Lark Sparrow	Chondestes			Endangered	Threatened				●				●	
Least Bittern	Ixobrychus exilis			Threatened	Threatened	Endangered	●			●				
Loggerhead Shrike	Lanius ludovicianus			Endangered		Endangered			●	●				●
Northern Harrier	Circus cyaneus			Endangered	Threatened	Endangered		●						
Peregrine Falcon	Falco peregrinus		Concern	Threatened	Endangered	Endangered		●	●			●		

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
Birds (continued)														
Savannah Sparrow	Passerculus sandwichensis				Concern						•			
Sedge Wren	Cistothorus platensis			Concern	Concern	Endangered			•					
Sharp-shinned Hawk	Accipiter striatus			Concern	Concern	Concern			•					
Sora Rail	Porzana carolina			Concern			•		•					
Upland Sandpiper	Bartramia longicauda			Threatened	Historic	Endangered	•			•	•			
Vesper Sparrow	Poocetes gramineus				Endangered					•	•	•		
Virginia Rail	Rallus limicola			Concern		Endangered				•				
Yellow-crowned Night-heron	Nyctanassa violacea			Threatened	Threatened	Endangered			•					
Amphibians														
Cave Salamander	Eurycea lucifuga Rafinesque			Endangered			•		•					
Eastern Hellbender	Cryptobranchus alleganiensis	Vulnerable	Concern	Endangered	Concern	Endangered					•	•	•	
Redback Salamander	Plethodon cinereus				Concern						•		•	
Northern Leopard Frog	Rana pipiens				Concern	Concern					•		•	
Fish														
Alligator Gar	Atractosteus spatula	Vulnerable	Concern	Extirpated	Endangered						•	•	•	
Bigeye Shiner	Notropis boops			Threatened				•	•	•				
Black Buffalo	Ictiobus niger				Concern						•	•		
Blue Sucker	Cycleptus elongates	Critically imperiled		Endangered					•					
Burbot	Lota lota			Concern	Concern				•		•			
Channel Darter	Percina copelandi			Threatened		Endangered	•							
Goldeye	Hiodon alosoides			Endangered			•		•					
Lake Sturgeon	Acipenser fulvescens	Vulnerable	Concern	Endangered	Endangered	Endangered			•			•	•	
Mountain Madtom	Noturus eleutherus			Endangered			•	•						
Northern Madtom	Noturus stigmosus	Critically imperiled		Endangered		Endangered	•	•						
Paddlefish	Polyodon spathula			Threatened			•		•					
River Darter	Percina shumardi			Threatened				•						
River Redhorse	Moxostoma carinatum			Concern			•	•	•					
Shortnose Gar	Lepisosteus platostomus			Endangered			•							
Spottail Shiner	Notropis hudsonius				Concern							•		
Tonguetied Minnow	Exoglossum laurae			Threatened			•							
Variegated Darter	Etheostoma variatum					Endangered								•

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
Crustaceans														
Sloan's Crayfish	Orconectes sloanii	Imperiled		Threatened			●		●	●				
Aquatic Snails														
Furrowed Lioplax	Lioplax sulculosa				Concern						●	●	●	
Onyx Rocksnail	Leptoxis praerosa		Concern		Concern						●	●	●	
Varicose Rocksnail	Lithasia verrucosa		Concern		Concern						●			
Freshwater Mussels														
Black Sandshell	Ligumia recta			Threatened				●						
Butterfly	Ellipsaria lineolata			Endangered				●	●					
Catspaw	Epioblasma obliquata obliquata	Critically imperiled	Endangered	Endangered	Endangered						●	●	●	
Clubshell	Pleurobema clava	Imperiled	Endangered		Endangered	Endangered					●	●	●	
Cracking Pearlymussel	Hemistena lata	Critically imperiled	Endangered	Extirpated	Extirpated							●	●	
Creek Heelsplitter	Lasmigona compressa			Concern	Endangered							●	●	
Deertoe	Truncilla truncata			Concern				●	●	●				
Ebonyshell	Fusconaia ebena			Endangered				●	●					
Elephant-ear	Elliptio crassidens			Endangered				●	●					
Elktoe	Alasmidonta marginata		Concern	Concern	Threatened							●	●	
Fanshell	Cyprogenia stegaria	Critically Imperiled	Endangered	Endangered	Endangered	Endangered					●	●	●	
Fawnsfoot	Truncilla donaciformis			Threatened				●	●	●				
Flat Floater	Anodonta suborbiculata			Concern				●	●	●				
Little Spectaclecase	Villosa lienosa			Endangered	Concern	Concern		●						●
Longsolid	Fusconais maculata maculata	Vulnerable		Endangered	Concern	Endangered					●	●	●	
Monkeyface	Quadrula metanevra			Endangered				●	●					
Northern Riffleshell	Epioblasma torulosa rangiana	Imperiled	Endangered	Endangered	Endangered	Endangered					●	●	●	
Ohio Pigtoe	Pleurobema cordatum	Critically imperiled		Endangered		Concern		●	●					
Orangefoot Pimpleback	Plethobasus cooperianus	Critically imperiled	Endangered		Endangered	Endangered					●	●	●	
Pink Mucket	Lampsilis abrupta	Imperiled	Endangered	Endangered	Endangered	Endangered					●	●	●	
Pocketbok	Lampsilis ovata			Endangered	Endangered						●	●	●	
Purple Lilliput	Toxolasma lividus	Imperiled	Candidate	Endangered	Endangered	Concern				●				

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
Freshwater Mussels (continued)														
Purple Wartyback	Cyclonaias tuberculata			Concern				•	•					
Pyramid Pigtoe	Pleurobema rubrum	Imperiled	Concern	Endangered	Endangered	Endangered					•	•	•	
Rabbitsfoot	Quadrula cylindrica cylindrica	Vulnerable	Concern	Endangered	Threatened							•	•	
Rayed Bean	Villosa fabalis	Imperiled	Candidate (2004, pr. 2)	Endangered	Extirpated	Concern	•		•	•	•	•	•	
Ring Pink	Obovaria retusa	Critically imperiled	Endangered	Extirpated	Endangered						•	•	•	
Rough Pigtoe	Pleurobema plenum	Critically imperiled	Endangered	Extirpated	Endangered	Endangered					•	•	•	
Round Pig-toe	Pleurobema sintoxia			Concern					•					
Salamander Mussel	Simpsonaias ambigua	Vulnerable	Concern	Concern	Threatened	Concern	•					•	•	
Scaleshell	Leptodea leptodon	Critically imperiled	Endangered		Extirpated						•	•	•	
Sheepnose	Plethobasus cyphus	Vulnerable	Candidate (2004, pr.2)	Endangered	Endangered	Endangered	•	•		•	•	•	•	
Snuffbox	Epioblasma triquetra	Vulnerable	Concern	Endangered	Endangered	Endangered	•	•	•			•	•	
Spectaclecase	Cumberlandia monodonta	Vulnerable	Candidate (2004, pr. 4)	Extirpated	Endangered						•	•	•	
Threehorn Wartyback	Obliquaria reflexa Rafinesque			Threatened			•	•						
Wartyback	Quadrula nodulata			Endangered			•	•						
Washboard	Megaloniaias nervosa			Endangered				•						
Wavy-rayed Lampmussel	Lampsilis fasciola			Concern		Concern	•							
Winged Mapleleaf	Quadrula fragosa	Critically imperiled	Endangered	Extirpated	Extirpated							•	•	
Insects														
Blue Corporal (dragonfly)	Ladona deplanata			Endangered			•			•				
Cobblestone Tiger Beetle	Cicindela marginipennis	Imperiled		Threatened		Endangered			•					•
Plains Clubtail (dragonfly)	Gomphurus externus			Endangered			•		•					
Sixbanded Longhorn Beetle	Dryobius sexnotatus	Unranked	Concern	Concern	Threatened						•	•	•	
Vascular Plants														
Blue False Indigo	Baptista australis			Endangered	Concern	Rare		•						
Bottomland Aster	Symphyotrichum ontarionis			Concern				•	•					

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
Vascular Plants (continued)														
Buckbean	<i>Menyanthes trifoliata</i>			Threatened		Watch list				•				
Buffalo Clover	<i>Trifolium reflexum</i>	Vulnerable		Endangered	Endangered	Endangered						•		
Burhead	<i>Echinodorus berteroi</i>			Endangered	Threatened	Extirpated	•		•					
Butternut / White walnut	<i>Juglans cinerea</i>	Vulnerable			Concern	Watch list								•
Buttonweed	<i>Diodia virginiana</i>					Watch list								•
Canada Lily	<i>Lilium canadense</i>					Rare								•
Canada Milk-vetch	<i>Astragalus canadensis</i>			Threatened						•				
Carolina Anglepod	<i>Matelea carolinensis</i>					Endangered					•			
Carolina Willow	<i>Salix caroliniana</i>			Concern		Watch list	•	•		•				
Common Prickley Pear	<i>Opuntia humifusa</i>			Concern					•					
Deam's Three-seeded Mercury	<i>Acalypha virginica</i> var. <i>deamii</i>			Concern		Rare		•	•	•				
Dwarf Bulrush	<i>Lipocarpa micrantha</i>			Threatened					•					
Elliptic-leaved Arrowhead / Delta Arrowhead	<i>Sagittaria platyphylla</i>			Endangered	Threatened			•						
Fern-leaved Scorpion-weed	<i>Phacelia bipinnatifida</i>			Concern				•	•					
Five-angled Dodder	<i>Cuscuta pentagona</i>			Threatened			•		•					
Floating Pondweed	<i>Potamogeton natans</i>			Concern				•						
Gray Beardtongue	<i>Penstemon canescens</i>			Threatened		Endangered								•
Hairy/Shaggy False Gromwell	<i>Onosmodium hispidissimum</i>				Endangered	Endangered					•			
Lake Cress	<i>Armoracia aquatica</i>					Endangered								•
Lesser Ladies-tresses	<i>Spiranthes ovalis</i>			Concern		Watch list	•		•					
Louisanna Broomrape	<i>Orobanche ludoviciana</i>			Extirpated	Historic	Endangered						•		
Matted Broomspurge / Round- leaved Spurge	<i>Euphorbia serpens</i>			Endangered		Endangered								•
Maypop	<i>Passiflora incarnata</i>			Concern		Rare			•					
Midland Sedge	<i>Carex mesochorea</i>			Threatened			•							
Missouri Gooseberry	<i>Ribes missouriense</i>			Threatened			•	•	•					
Missouri Violet	<i>Viola missouriensis</i>			Endangered				•						
Mock Orange	<i>Philadelphus inodorus</i>				Threatened						•		•	
Netted Chain Fern	<i>Woodwardia areolata</i>			Concern		Rare		•						
Nodding Rattlesnake-root	<i>Prenanthes crepidinea</i>				Concern	Watch list					•			

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
Vascular Plants (continued)														
Pale Umbrella-sedge / Short-point Flatsedge	Cyperus acuminatus			Threatened		Watch list	●							
Potato-dandelion	Krigia dandelion			Threatened				●						
Prairie Wake-robin	Trillium recurvatum			Threatened				●	●					
Prairie Wedge Grass	Sphenopholis obtusata			Threatened						●				
Primrose Willow	Ludwigia decurrens					Watch list								●
Purple Giant Hyssop	Agastache scrophulariifolia				Historic							●		
Pursh's Bulrush	Schoenoplectus purshianus			Concern					●					
Red Chokeberry	Aronia arbutifolia			Endangered				●						
Riverbank Paspalum	Paspalum repens			Concern				●	●					
Running Buffalo Clover	Trifolium stoloniferum	Vulnerable	Endangered	Endangered	Threatened	Endangered	●	●		●	●	●	●	●
Screw-stem / Twining Bartonia	Bartonia paniculata			Endangered		Watch list		●						
Side-oats Grama	Bouteloua curtipendula				Concern					●				
Smooth Buttonweed	Spermacoce glabra			Concern				●	●					
Snowy Campion	Silene nivea			Endangered			●	●						
Soft-leaved Arrow-wood	Viburnum molle			Threatened	Threatened	Rare	●							●
Southern Black-haw	Viburnum rufidulum			Concern				●	●					
Southern Dewberry	Rubus trivialis			Endangered				●						
Southern Hairy Rock Cress	Arabis hirsuta var. adpressipilis			Concern			●							
Southern Wapato	Sagittaria montevidensis			Concern			●	●	●	●				
Southern Woodrush	Luzula bulbosa			Threatened				●						
Sparse-lobed Grape Fern	Botrychium biternatum			Endangered		Watch list		●						
Spring Coral-root	Corallorhiza wisteriana			Concern				●	●	●				
Stemless Evening-primrose	Oenothera triloba				Threatened	Extirpated						●	●	
Tansy Mustard	Descurainia pinnata			Concern					●					
Three-birds Orchid	Triphora trianthophora			Concern					●	●				
Virginia Mallow	Sida hermaphrodita	Vulnerable		Concern	Concern	Endangered	●	●			●			
Virginia Saxifrage	Saxifraga virginiensis				Concern	Watch list								●
Waterplantain Spearwort	Ranunculus ambigens			Extirpated	Concern					●				

Listed Species (see notes at end of table)	Species listed at federal or state level	Global Heritage Rank	Federal Status	Ohio Status	Kentucky Status	Indiana Status	Butler	Clermont	Hamilton	Warren	Boone	Campbell	Kenton	Dearborn
Wild Kidney Bean	Phaseolus polystachios			Concern						•				
Western Hairy Rock Cress	Arabis hirsuta			Endangered	Threatened		•							

Global Heritage Rank (rankings from 1 to 5)

- Species critically imperiled globally/#1 rank
- Species imperiled globally/#2 rank
- Species vulnerable/rare and uncommon globally/#3 rank
- Additional global rankings and also state rankings of abundance are part of each state's Natural Heritage Database

Federal Status (Listed by the U.S. Fish and Wildlife Service)

- Endangered - Species in danger of extinction throughout all or a significant portion of its range
- Threatened - Species likely to become endangered within the foreseeable future throughout all or a significant portion of its range
- Concern (Species of Concern) - Species in need of concentrated conservation action (receives no legal protection)
- Candidate species - Species proposed for listing as threatened or endangered (parentheses in table indicate the year of listing as candidate and the pr/priority level in which species will be proposed for listing as funds become appropriated for the process)

State Status

- Endangered - In danger of disappearing from the state
- Threatened - Continued or increased threat will result in species becoming endangered
- Concern - Special Concern at state level (includes Potentially Threatened plant species in Ohio)
- Extirpated/Historic - Known or presumed to have disappeared from the state / "reported... but not seen for at least 20 years" (Kentucky)
- Rare (Indiana) ▪ Watch List (Indiana)

Refer to next page for Data Sources

Data Sources for Endangered, Threatened and Rare Species

Sources for Ohio Data

- *Ohio Rare Plant Species by County*, June, 2008. Ohio Dept. of Natural Resources, Nature Preserves, Natural Heritage Database. <http://www.dnr.state.oh.us/Home/Heritage/NaturalHeritage/tabid/2010/Default.aspx>
- *Ohio Rare Plant List 2008-2009* for state status of species in the OKI Region. Ohio Dept. of Natural Resources, Natural Heritage Database. <http://ohiodnr.com/Portals/3/heritage/2008-2009%20Ohio%20Rare%20Plant%20List.pdf>
- County lists of federally and state-listed species, Sept. 2007, for wildlife listed per county, per request to ODNR Div. of Natural Areas and Preserves.
- *Wildlife that are Considered to be Endangered, Threatened, Species of Concern, Special Interest, Extirpated, or Extinct in Ohio*, January 2009. Ohio Dept. of Natural Resources, Division of Wildlife. <http://www.dnr.state.oh.us/Portals/9/pdf/pub356.pdf>

Sources for Kentucky Data

- *County Report of Endangered, Threatened, and Special Concern Plants, Animals, and Natural Communities of Kentucky*, Feb. 2009, Kentucky State Nature Preserves Commission. http://www.naturepreserves.ky.gov/inforesources/reports_pubs.htm and click on *County Report of Monitored Species and Communities of Kentucky*.
- *Endangered, Threatened, and Special Concern Plants, Animals, and Natural Communities of Kentucky with Habitat Descriptions*, February, 2009, for state status of species in the OKI Region. Kentucky State Nature Preserves Commission. <http://www.naturepreserves.ky.gov/NR/rdonlyres/7B61A56A-C89E-4C02-8E67-82ADC25DE32F/0/specieshabitat2009.pdf>

Sources for Indiana Data

- *Indiana County Endangered, Threatened and Rare Species List, Dearborn County*, November, 2005, for species state-listed as endangered or of special concern. Indiana Dept. of Natural Resources. www.in.gov/dnr/naturepreserve/4666.htm
- *Indiana's Species of Greatest Conservation Need*, Revised February, 2009, for federal and state status of wildlife species listed in Dearborn County. Indiana Dept. of Natural Resources, Division of Fish and Wildlife, Wildlife Diversity Section. www.in.gov/dnr/fishwild/files/fw-Indianas_Species_of_Greatest_Conservation_Need_June_2009.pdf
- *Endangered, Threatened and Rare Vascular Plants of Indiana*, September, 2007, for federal and state status of plant species listed in Dearborn County. Indiana Dept. of Natural Resources, Division of Nature Preserves. www.in.gov/dnr/naturepreserve/files/etrplants.pdf