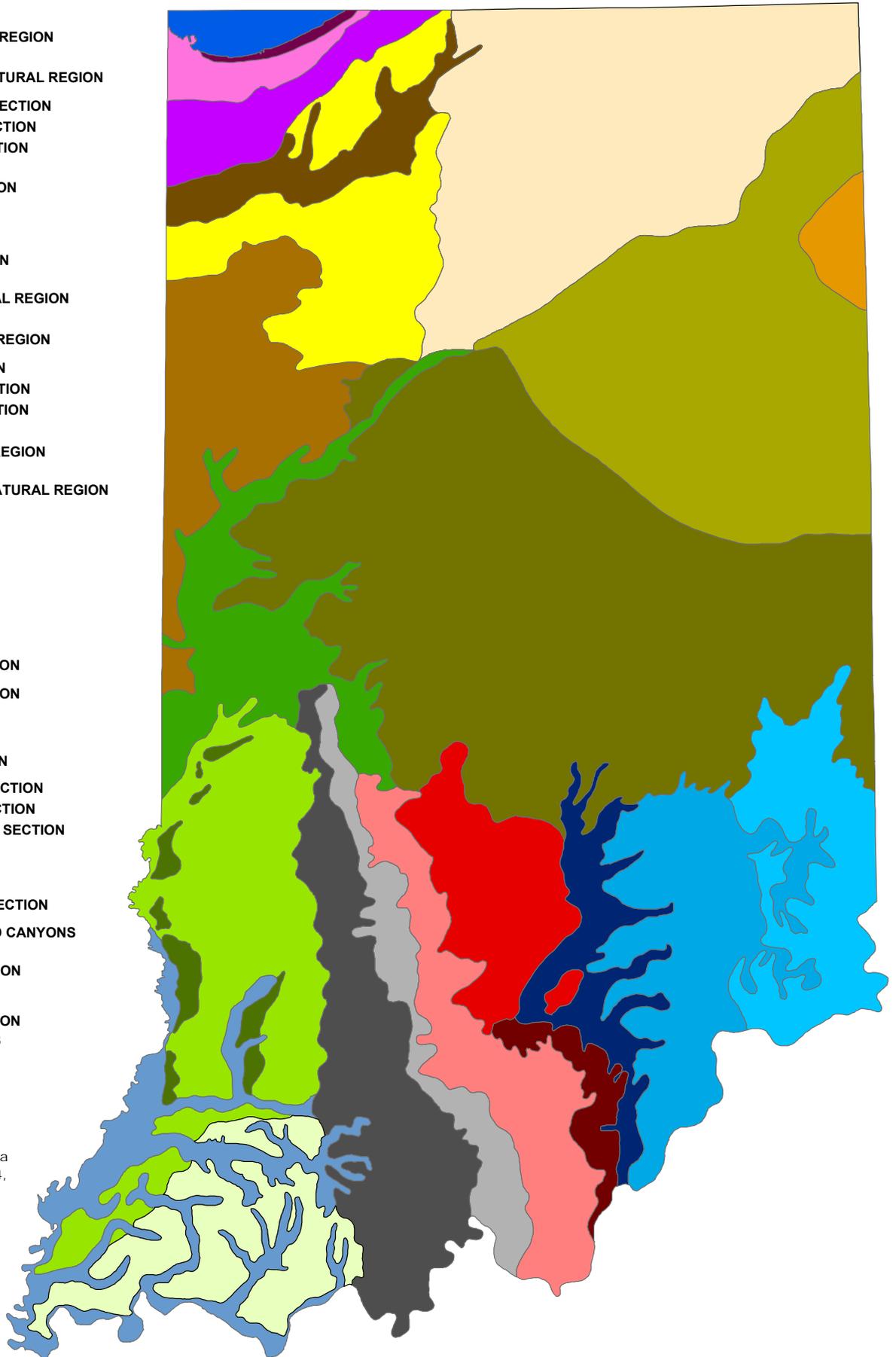


Appendix A: Indiana Natural Regions

Indiana Natural Regions

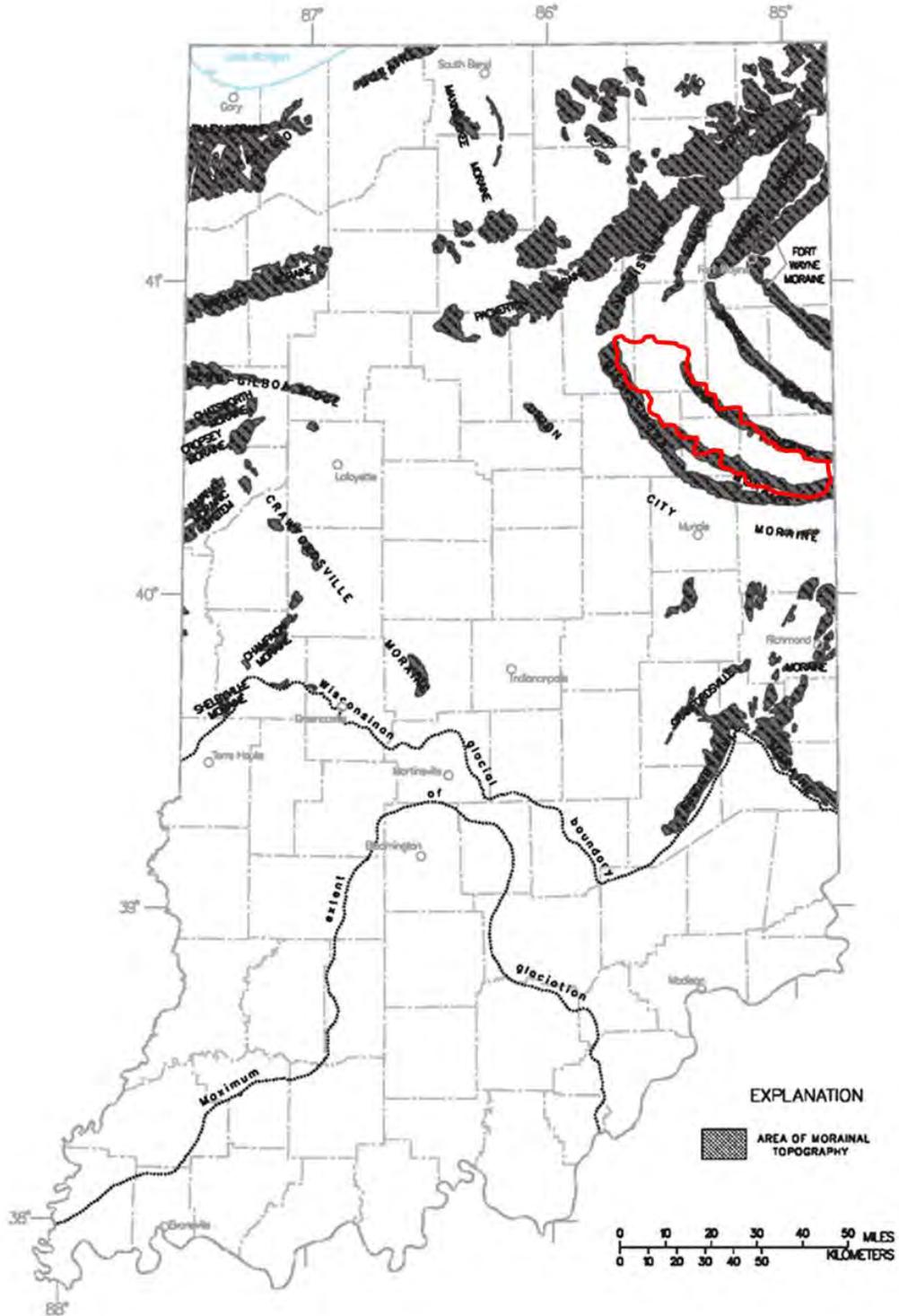
- LAKE MICHIGAN NATURAL REGION
- NORTHWESTERN MORAINAL NATURAL REGION**
 - LAKE MICHIGAN BORDER SECTION
 - VALPARAISO MORAINE SECTION
 - CHICAGO LAKE PLAIN SECTION
- GRAND PRAIRIE NATURAL REGION**
 - GRAND PRAIRIE SECTION
 - KANKAKEE SAND SECTION
 - KANKAKEE MARSH SECTION
- NORTHERN LAKES NATURAL REGION
- CENTRAL TILL PLAIN NATURAL REGION**
 - TIPTON TILL PLAIN SECTION
 - ENTRENCHED VALLEY SECTION
 - BLUFFTON TILL PLAIN SECTION
- BLACK SWAMP NATURAL REGION
- SOUTHWESTERN LOWLANDS NATURAL REGION**
 - PLAINVILLE SAND SECTION
 - DRIFTLESS SECTION
 - GLACIATED SECTION
- SOUTHERN BOTTOMLANDS NATURAL REGION
- SHAWNEE HILLS NATURAL REGION**
 - CRAWFORD UPLAND SECTION
 - ESCARPMENT SECTION
- HIGHLAND RIM NATURAL REGION**
 - MITCHELL KARST PLAIN SECTION
 - BROWN COUNTY HILLS SECTION
 - KNOBSTONE ESCARPMENT SECTION
- BLUEGRASS NATURAL REGION**
 - SCOTTSBURG LOWLAND SECTION
 - MUSCATATUCK FLATS AND CANYONS SECTION
 - SWITZERLAND HILLS SECTION
- BIG RIVERS NATURAL REGION
OHIO AND WABASH RIVERS



Michael A. Homoya

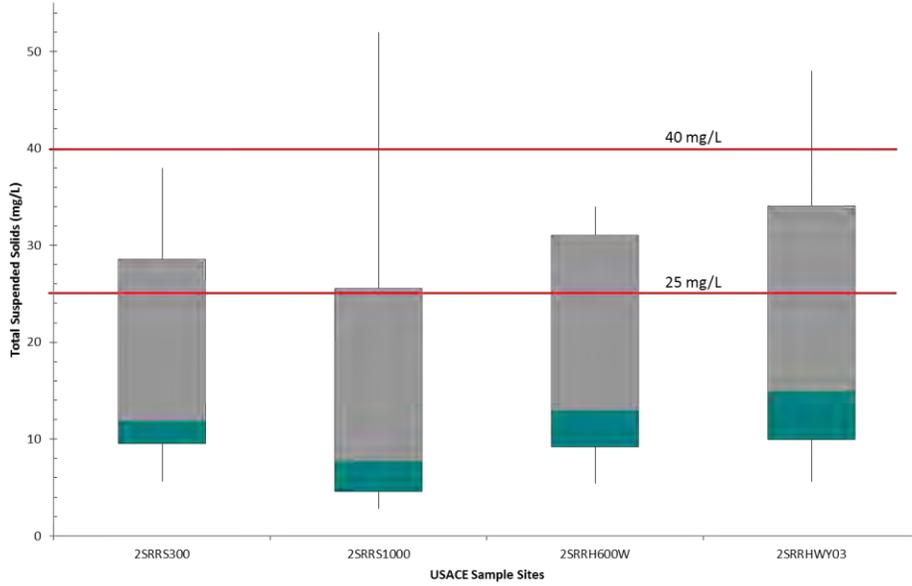
1985. Proceedings of the Indiana Academy of Science, Volume 94, Plate 1.

Appendix B: Principal Moraines and Extent of Glaciation
(Red Outline Depicts the Lower Salamonie River Watershed)

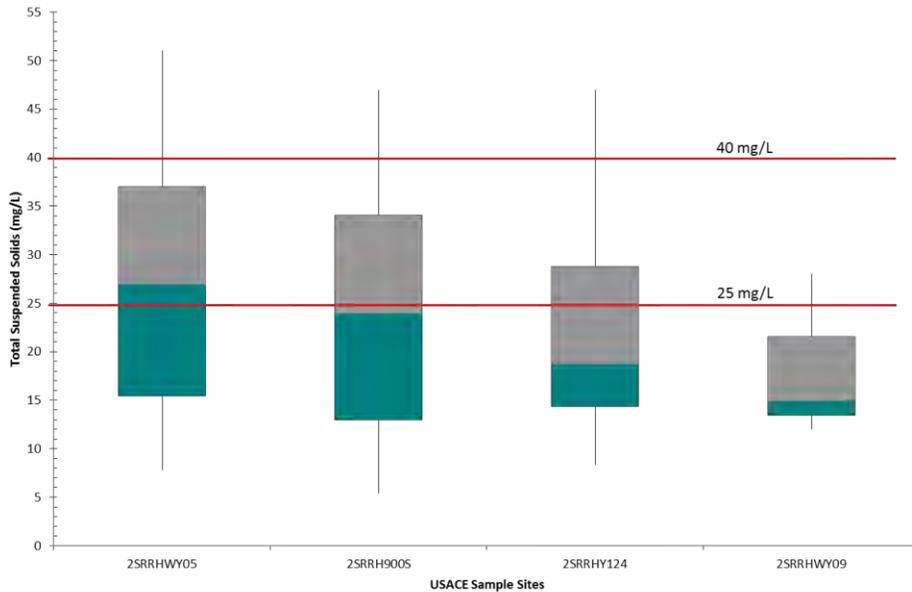


Appendix D: IDEM and USACE Chemical Data

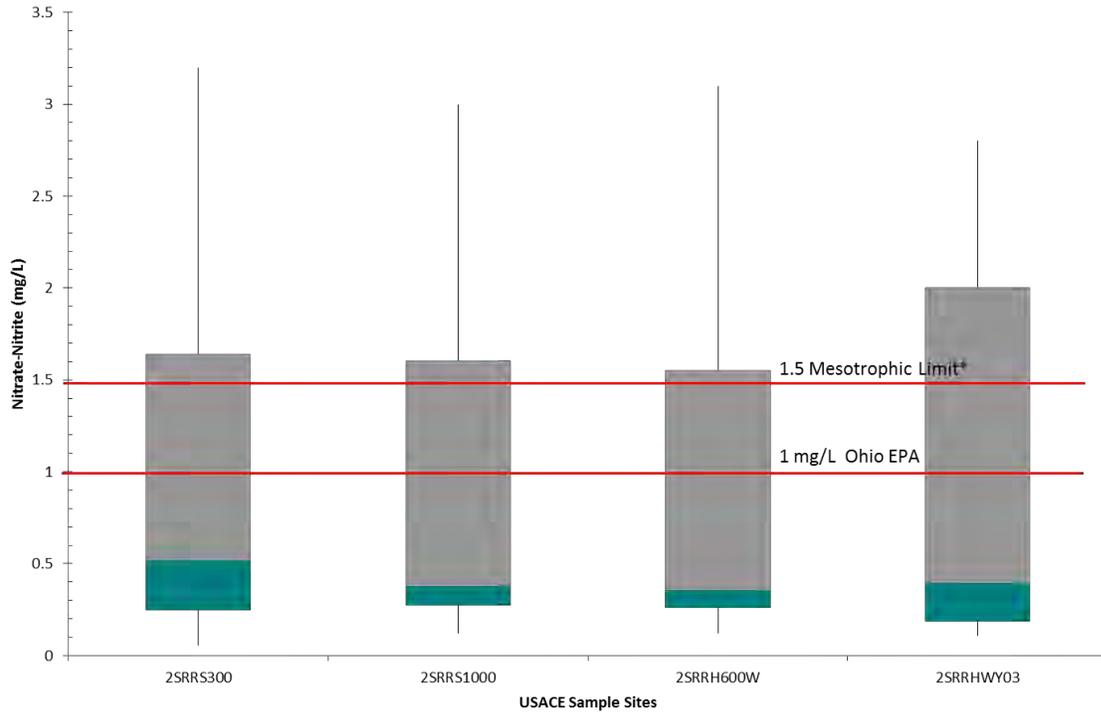
Black Creek Subwatershed Total Suspended Solids (mg/L)



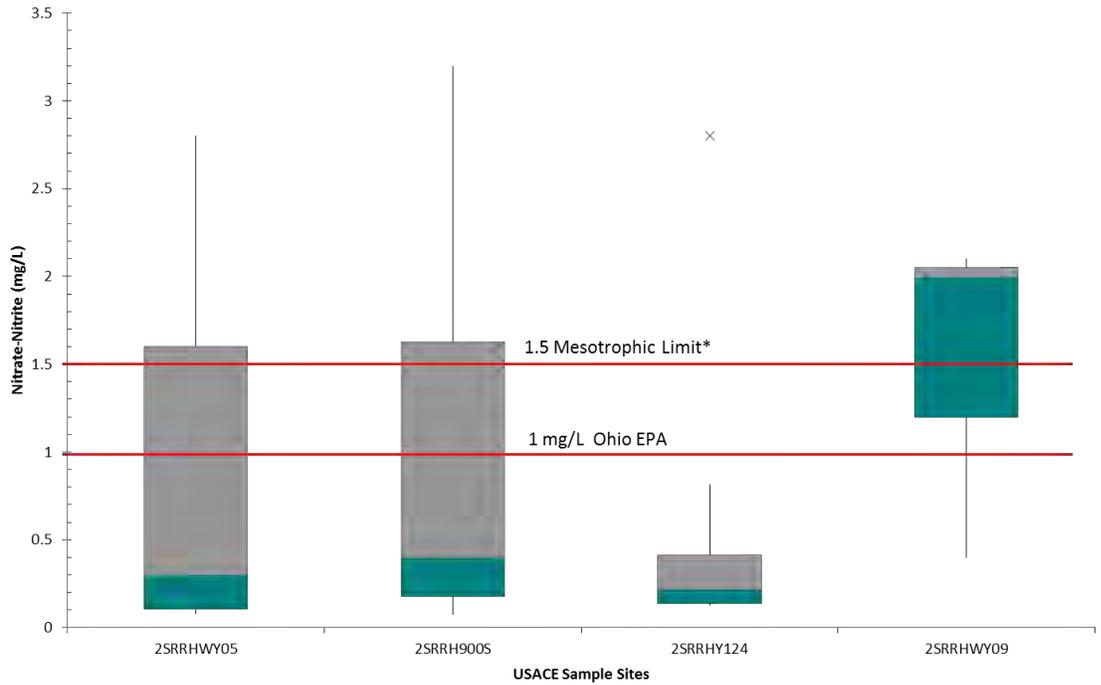
Salamonie Reservoir Subwatershed Total Suspended Solids (mg/L)



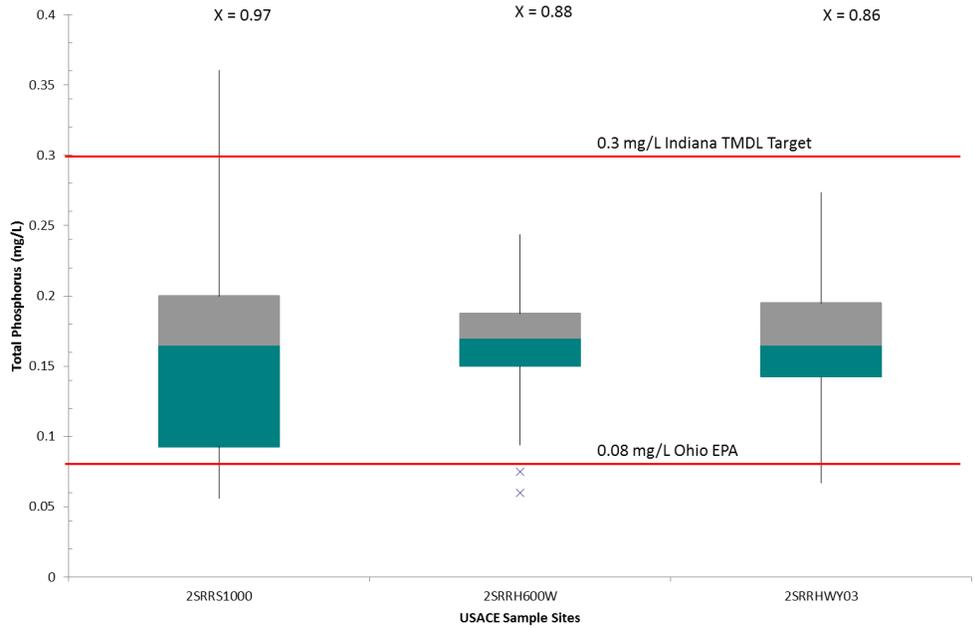
Black Creek Subwatershed Nitrate-Nitrite (mg/L)



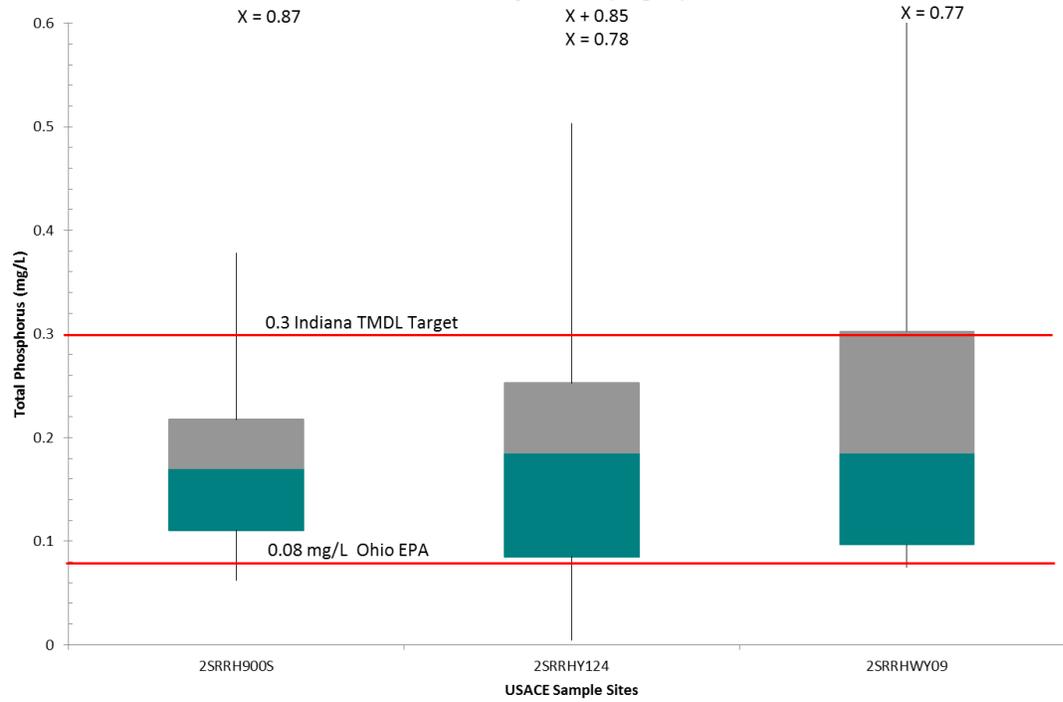
Salamonie Reservoir Subwatershed Nitrate-Nitrite (mg/L)



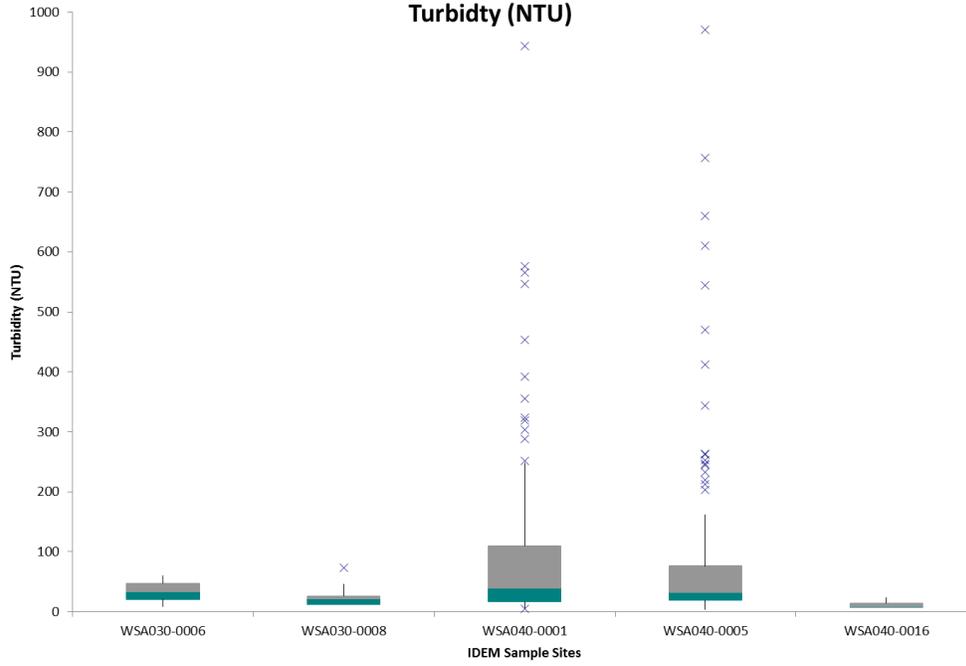
Black Creek Subwatershed Total Phosphorus



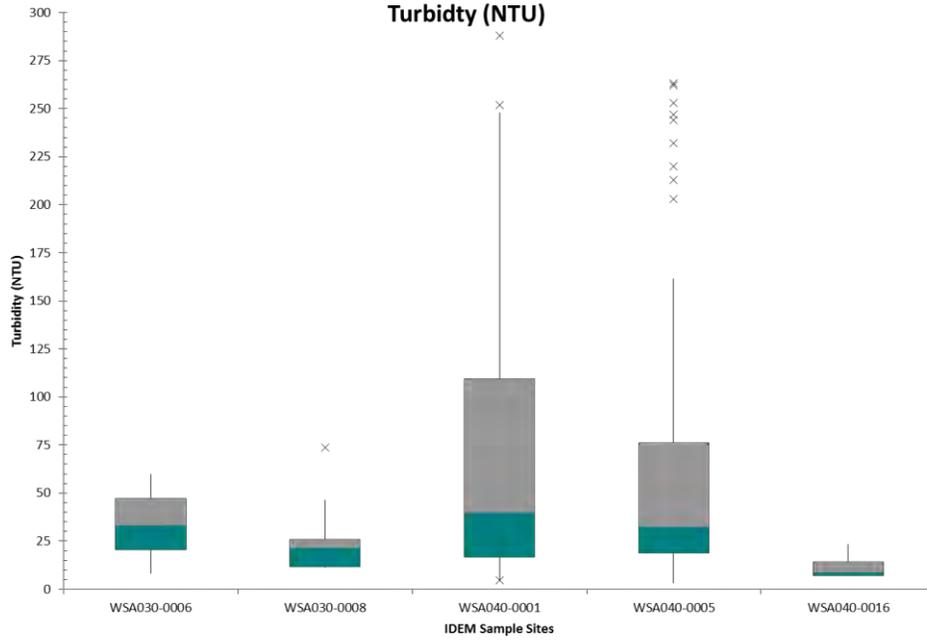
Salamonie Reservoir Subwatershed Total Phosphorus (mg/L)



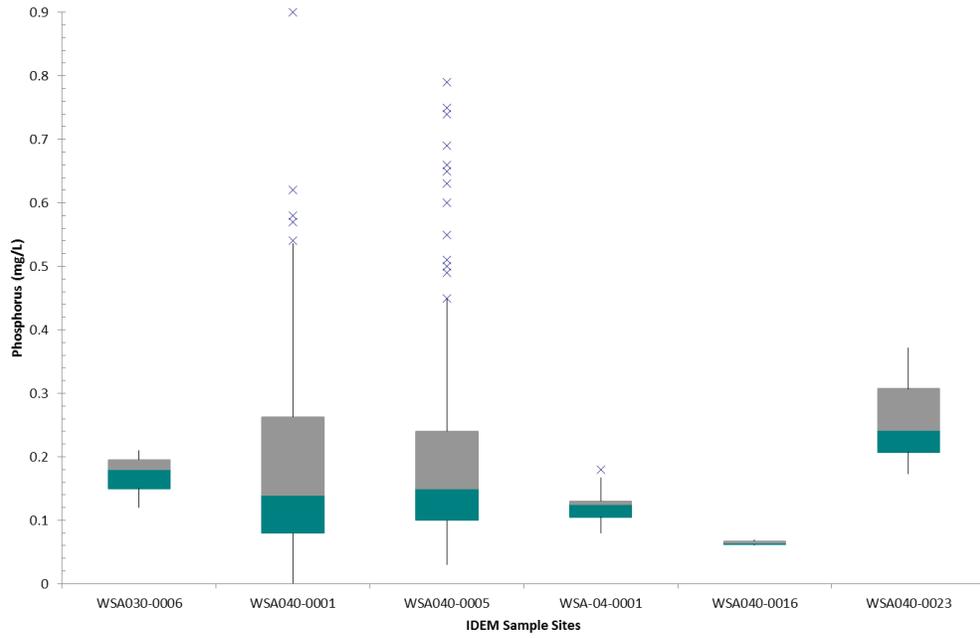
Lower Salmonie River Watershed Turbidity (NTU)



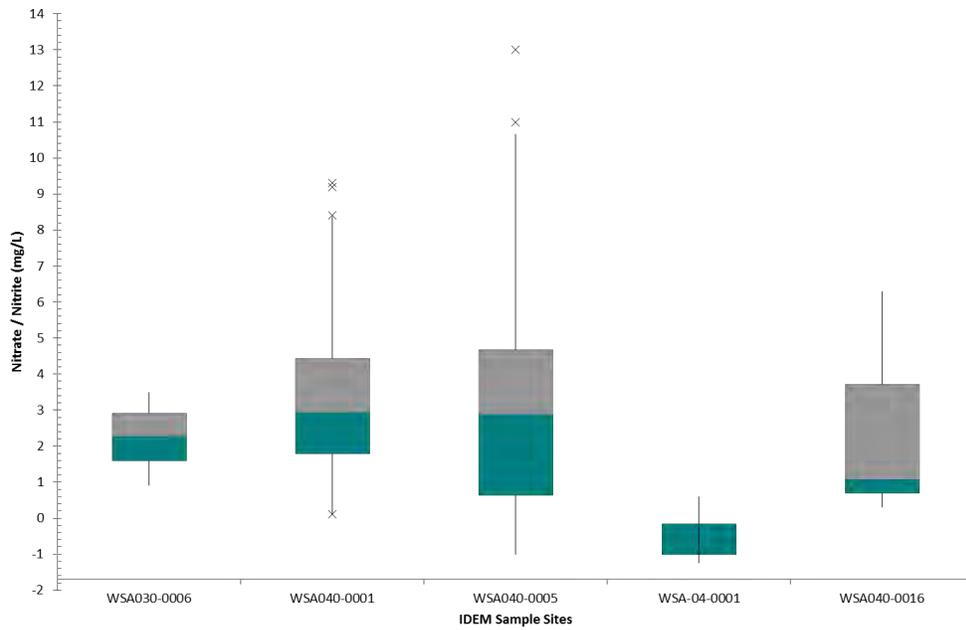
Lower Salmonie River Watershed Turbidity (NTU)



Lower Salamonie River Watershed Phosphorus (mg/L)



Lower Salamonie River Watershed Nitrate / Nitrite (mg/L)



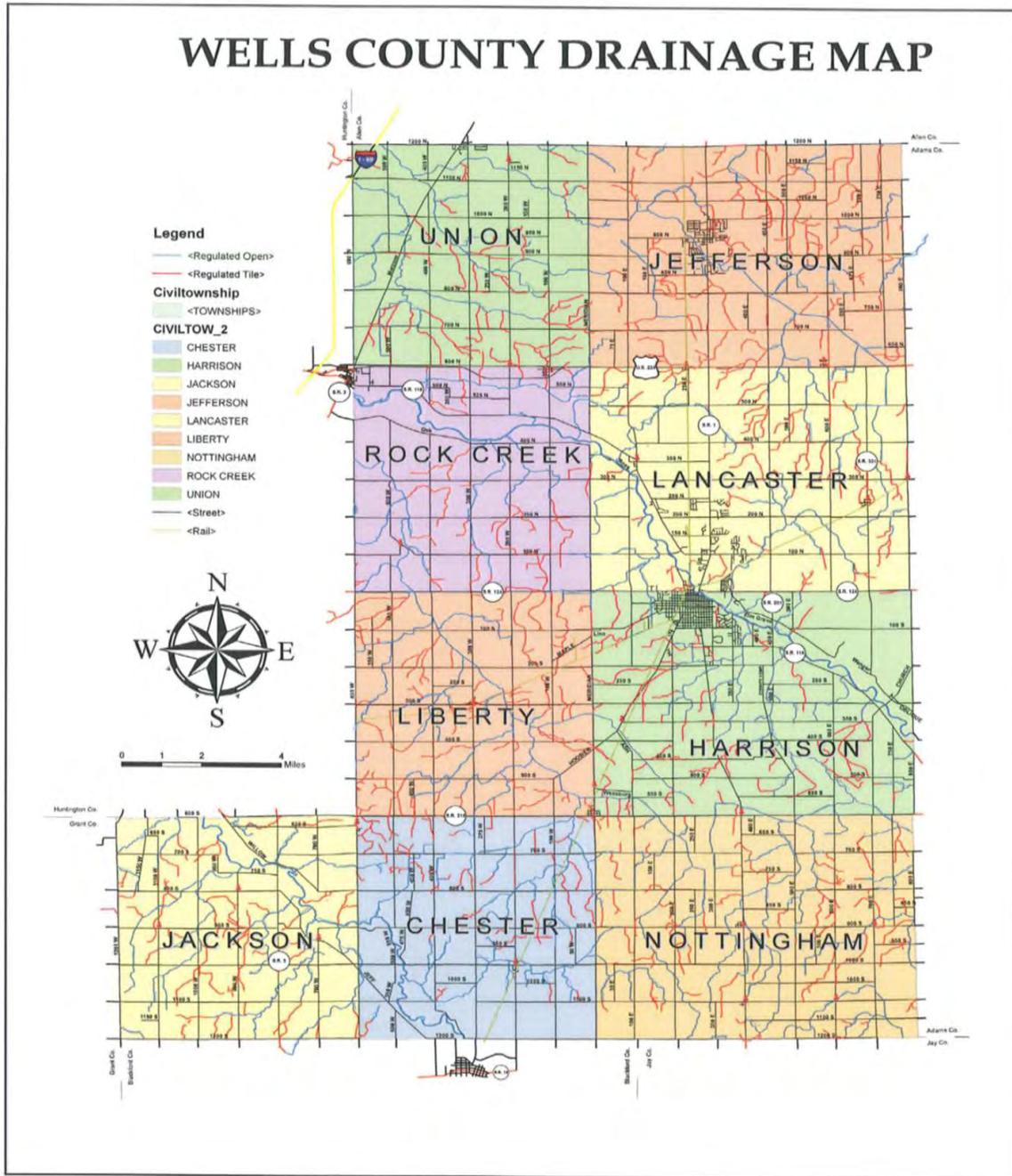
Appendix E: Action Register

Action Register and Schedule					
30-Year Bacteria and Pathogen Goal - Reduce measured E. coli levels to below State standard					
Objectives	Target Audience	Milestones	Estimated Costs	Potential Partners/Technical Assistance	Potential Funding Sources
Educate Landowners on septic system operation and maintenance	Rural Homeowners and unincorporated areas without public sewage treatment plants	Hold Septic System Workshop in Spring of 2015	\$500	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, Local Health Departments	IDEM Non-Point Source Grants, ISDA Clean Water Indiana Grants
		Create Septic System Informational Brochure	\$500		
		Create Septic System Informational Refrigerator Magnet to pass out at events	\$500		
		Encourage proper upkeep and maintenance of septic system as well as promote awareness of the water-quality impacts of failing systems	\$4000 10% coordinator salary		
Complete Nutrient Management Plans on 8,000 acres of cropland	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
		Annually implement 1,600 acres of Nutrient Management Plans (2015 - 2020)	\$21,200		
		Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
		Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
Exclude livestock access to streams in 4 locations, provide alternative water source.	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
		Prevent cattle access to streams at 1 location per	\$5,000		
		Provide alternate watering source where needed stabilize impacted stream banks through stream bank stabilization program	\$50,000		
		Identify alternative funding sources for practices	\$4000 10% coordinator salary		
Install 5 miles of conservation cover and buffers along streams	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors,	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants, IDNR Lake and River Enhancement Grants
		Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
		Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
		Complete 1 mile of conservation cover or buffers	\$1,800		
Install 10 water and sediment control basin (WASCOBs)	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors,	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
		Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
		Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
		Install 2 WASCOBs per year (2015-2020)			
Increase awareness of Agricultural BMPs	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, ISDA Clean Water Indiana Grants
		Promote Soil Health	\$4000 10% coordinator salary		
Increase prescribed grazing and pasture management by 100 acres	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants

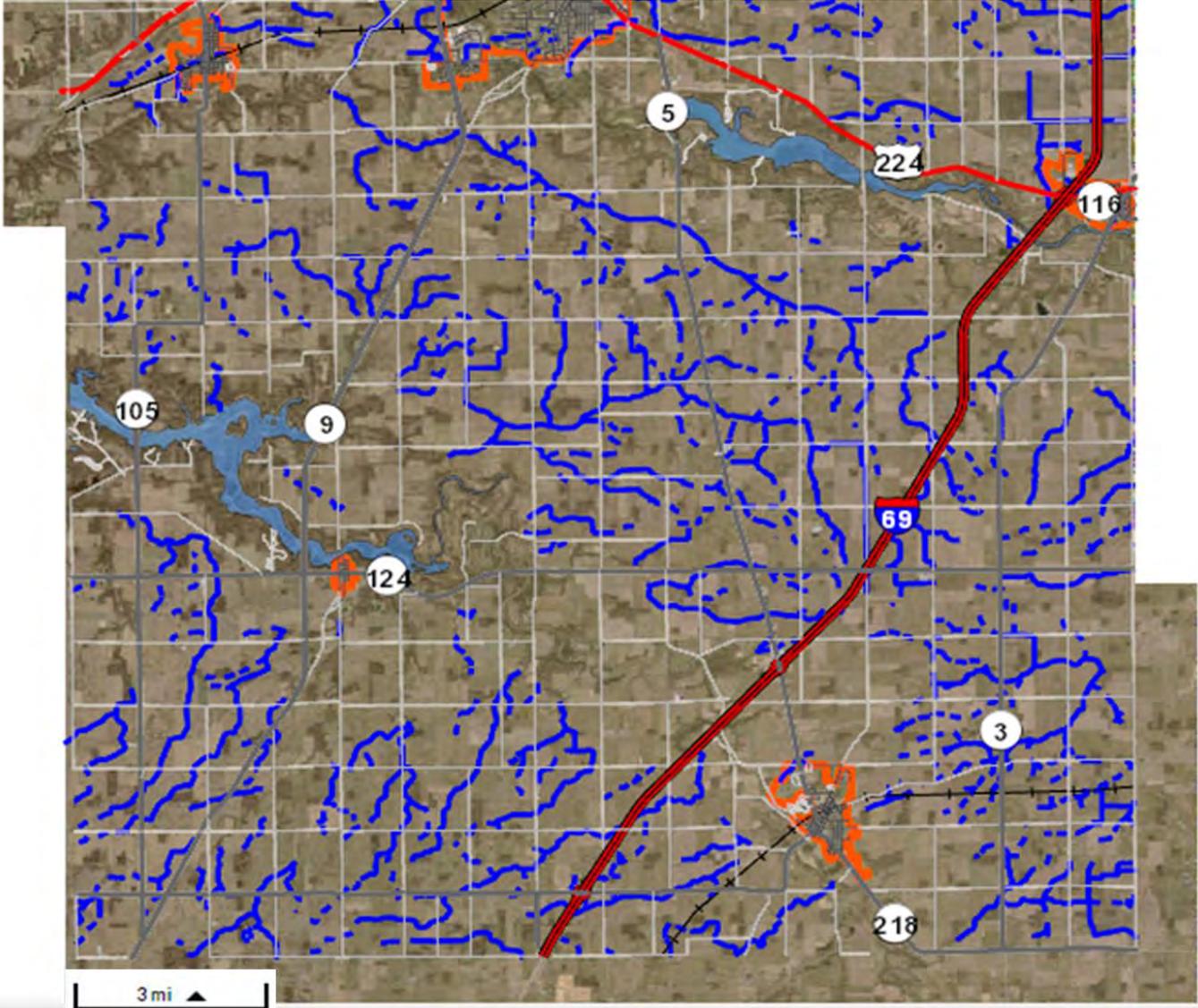
Action Register and Schedule						
5-Year Nutrient, Sediment, and Environmental Goals. (These goals will be repeated for the following 5 years unless it is determined by the steering committee that they should be changed.)						
Objectives	Anticipated Load Reductions*	Target Audience	Milestones	Estimated Costs	Potential Partners/Technical Assistance	Potential Funding Sources
Plant 2,500 acres of cover crops	Sediment - 1547 t/year, Phosphorus - 2713 lbs/year, Nitrogen - 5412 lbs/year	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants, IDNR Lake and River Enhancement Grants
			Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
			Maintain demonstration plot for cover crops	\$1,250		
			Implement 500 acres of new cover crop acreage per year (2015 - 2020)	\$28,000 see example		
			Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
			Promote Soil Health	\$4000 10% coordinator salary		
Complete Nutrient Management Plans on 8,000 acres of cropland	Unknown	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
			Annually implement 1,600 acres of Nutrient Management Plans (2015 - 2020)	\$21,200		
			Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
			Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
Exclude livestock access to streams in 4 locations, provide alternative water source.	Unknown	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
			Prevent cattle access to streams at 1 location per year (2015-2019)	\$5,000		
			Provide alternate watering source where needed stabilize impacted stream banks through stream bank stabilization program	\$50,000		
			Identify alternative funding sources for practices	\$4000 10% coordinator salary		
Increase conservation tillage in the watershed by 7,500 acres	Sediment - 3539 t/year, Phosphorus - 6228 lbs/year, Nitrogen 12423 lbs/year	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
			Promote Soil Health	\$4000 10% coordinator salary		
			Provide funds for equipment modifications	\$10,000		
Install 5 miles of conservation cover and buffers along streams	Sediment - 925 t/year, Phosphorus - 1519 lbs/year, Nitrogen 3024 lbs/year	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors,	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants, IDNR Lake and River Enhancement Grants
			Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
			Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
			Complete 1 mile of conservation cover or buffers per year	\$1,800		
Install 10 water and sediment control basin (WASCOBs)	Sediment - 189 t/year, Phosphorus - 189 lbs/year, Nitrogen 378 lbs/year	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors,	IDEM Non-Point Source Grants, ISDA Clean Water Indiana Grants
			Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
			Identify alternate funding sources to increase participation	\$4000 10% coordinator salary		
			Install 2 WASCOBs per year (2015-2020)			
Increase awareness of septic system problems and solutions	Unknown	Rural Homeowners and unincorporated areas without	Hold 1 workshop on rural/residential septic operation and maintenance	\$500	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors, Local Government	IDEM Non-Point Source Grants, ISDA Clean Water Indiana Grants
			Create Septic System Informational Brochure	\$500		
			Create Septic System Informational Refrigerator Magnet to pass out at events	\$500		
Increase awareness of Agricultural BMPs	Unknown	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, ISDA Clean Water Indiana Grants
			Promote Soil Health	\$4000 10% coordinator salary		
Increase prescribed grazing and pasture management by 100 acres	Sediment - 93 t/year, Phosphorus - 150 lbs/year, Nitrogen 612 lbs/year	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
Complete 1000 feet of streambank stabilization	Sediment - 306 t/year, Phosphorus - 306 lbs/year, Nitrogen 612 lbs/year	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors,	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants, IDNR Lake and River Enhancement Grants
			Install 1000 feet of streambank stabilization	\$50,000		
Install a demonstration rain garden in a prominent urban setting	Unknown	Residential landowners and local governments	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, Local Government, Volunteers	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants, IDNR Lake and River Enhancement Grants
			Install one rain garden	\$3,000		
			Develop marketing materials	\$500		
Increase awareness of cost share programs	Unknown	Agricultural Producers	Establish Cost Share Program Spring/Summer of 2015	\$20,000 50% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, ISDA Clean Water Indiana Grants
			Targeted mailing and personal visits with prospective landowners	\$4000 10% coordinator salary		
Work with County Surveyors and landowners on environmentally sound alternatives to standard ditch maintenance practices	Unknown	Agricultural Producers and Land Owners	Promote the use of two stage ditches, especially where ditch maintenance is needed frequently	\$4000 10% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts, County Surveyors,	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants
			Promote the use of drainage management	\$4000 10% coordinator salary		
			Work with County Surveyors to adopt more environmentally sound drainage practices	\$1,000		
Promote Wetlands for water storage and water-quality	Unknown	Agricultural Producers and Land Owners	Promote WRP cost share program to enhance water storage and	\$4,000 10% coordinator salary	NRCS, Purdue University Extension, Taylor University, ISDA, IDNR, IDEM, Soil and Water Conservation Districts	IDEM Non-Point Source Grants, NRCS Farm Bill Conservation Programs and Initiatives, ISDA Clean Water Indiana Grants, IDNR Lake and River Enhancement Grants
			Promote wetland restoration	\$4,000 10% coordinator salary		
			Identify alternative funding sources for practices	\$4,000 10% coordinator salary		

*Numbers based on US EPA Region 5 Model.

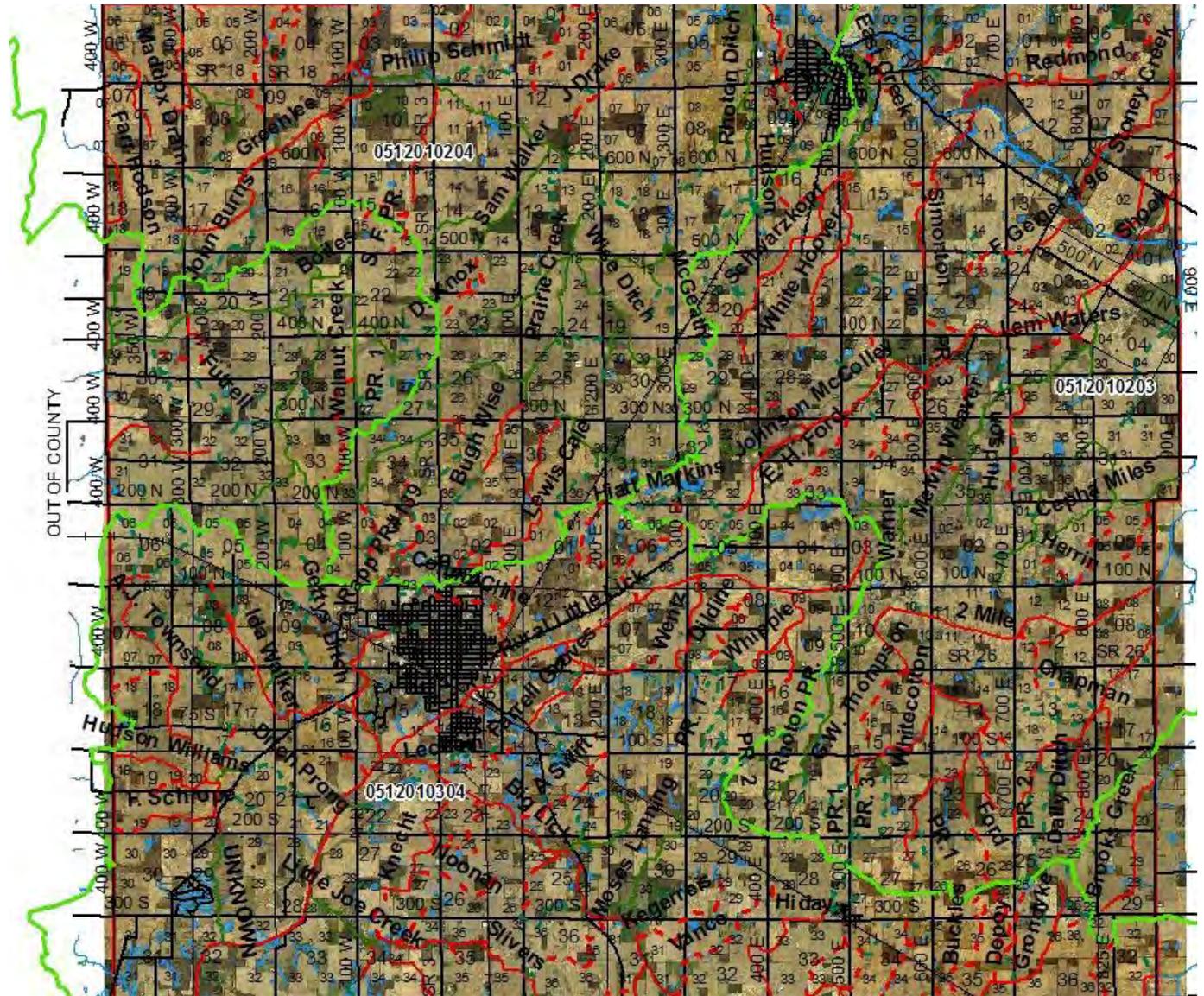
Appendix F: County Drainage Maps

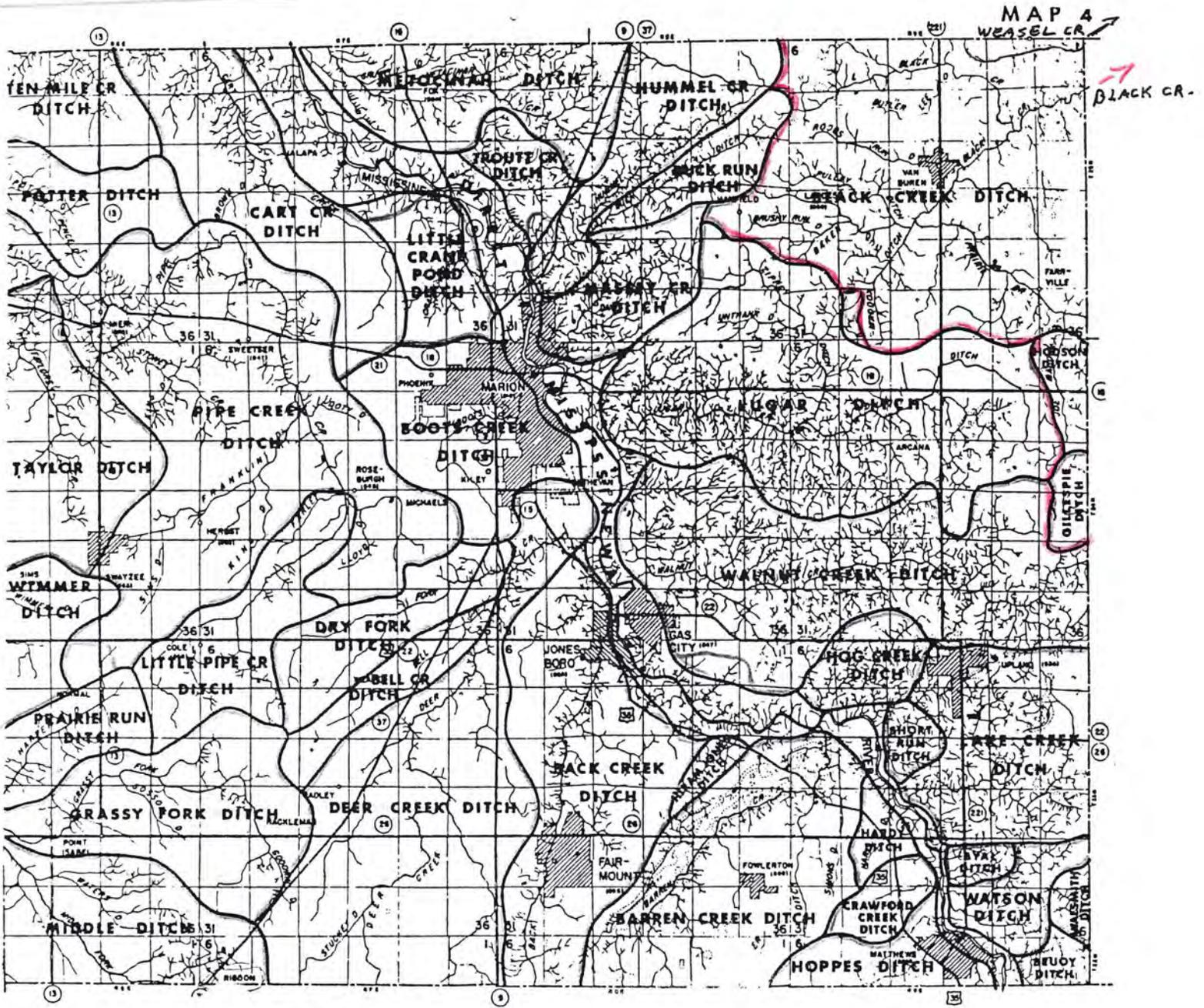


Huntington County Drainage Map



Blackford County Drainage Map





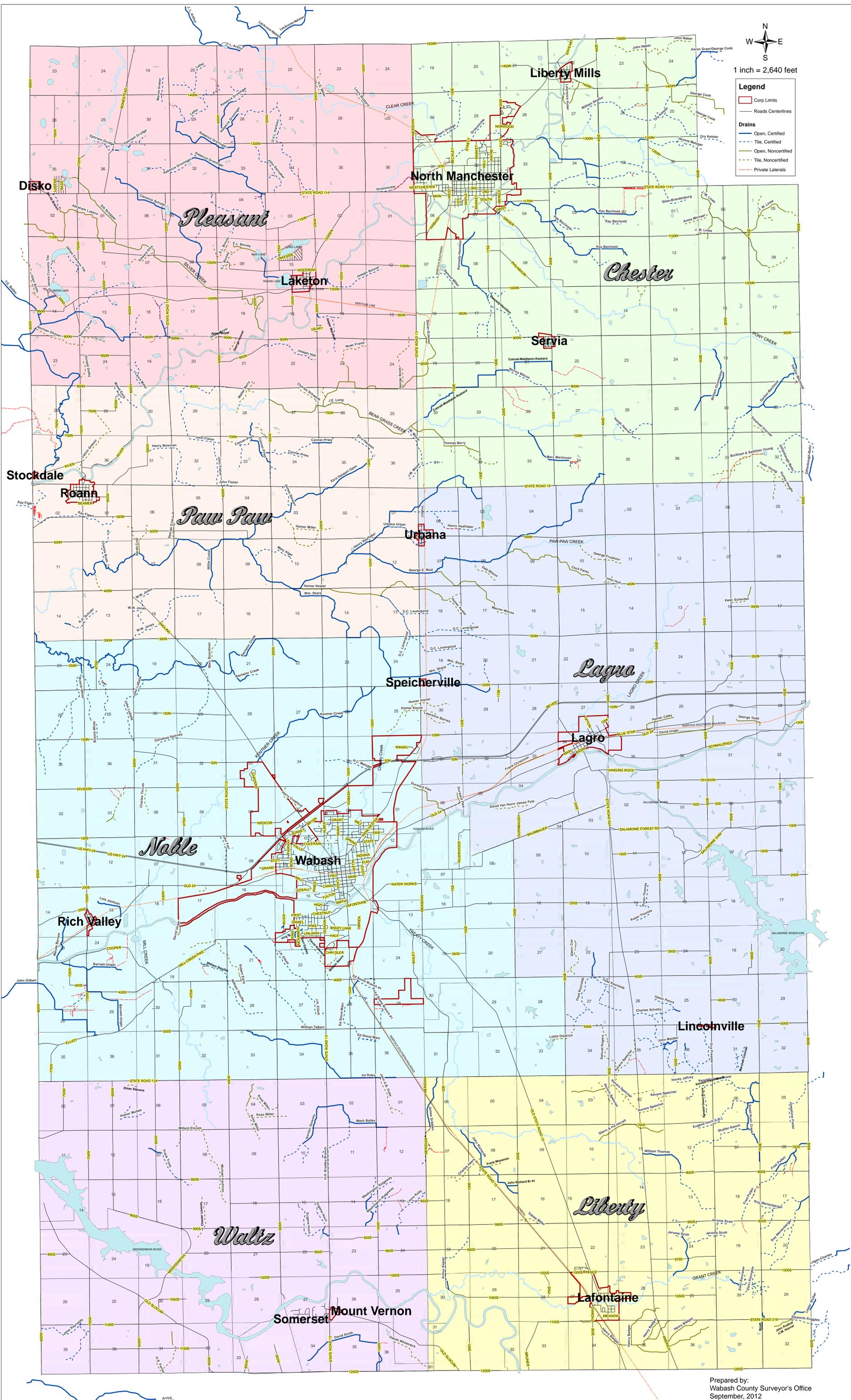
WABASH COUNTY DRAINAGE SYSTEM



1 inch = 2,640 feet

Legend

- Corp Limits
- Roads Centerlines
- Drains
 - Open, Certified
 - Tile, Certified
 - Open, Noncertified
 - Tile, Noncertified
 - Private Laterals



Prepared by:
Wabash County Surveyor's Office
September, 2012

Disclaimer: Wabash County assumes no legal responsibility for the information contained herein.