PROPEL US 30

Smarter Transportation.
Stronger Communities.

US 30 East

ENVIRONMENTAL CONSTRAINTS REPORT

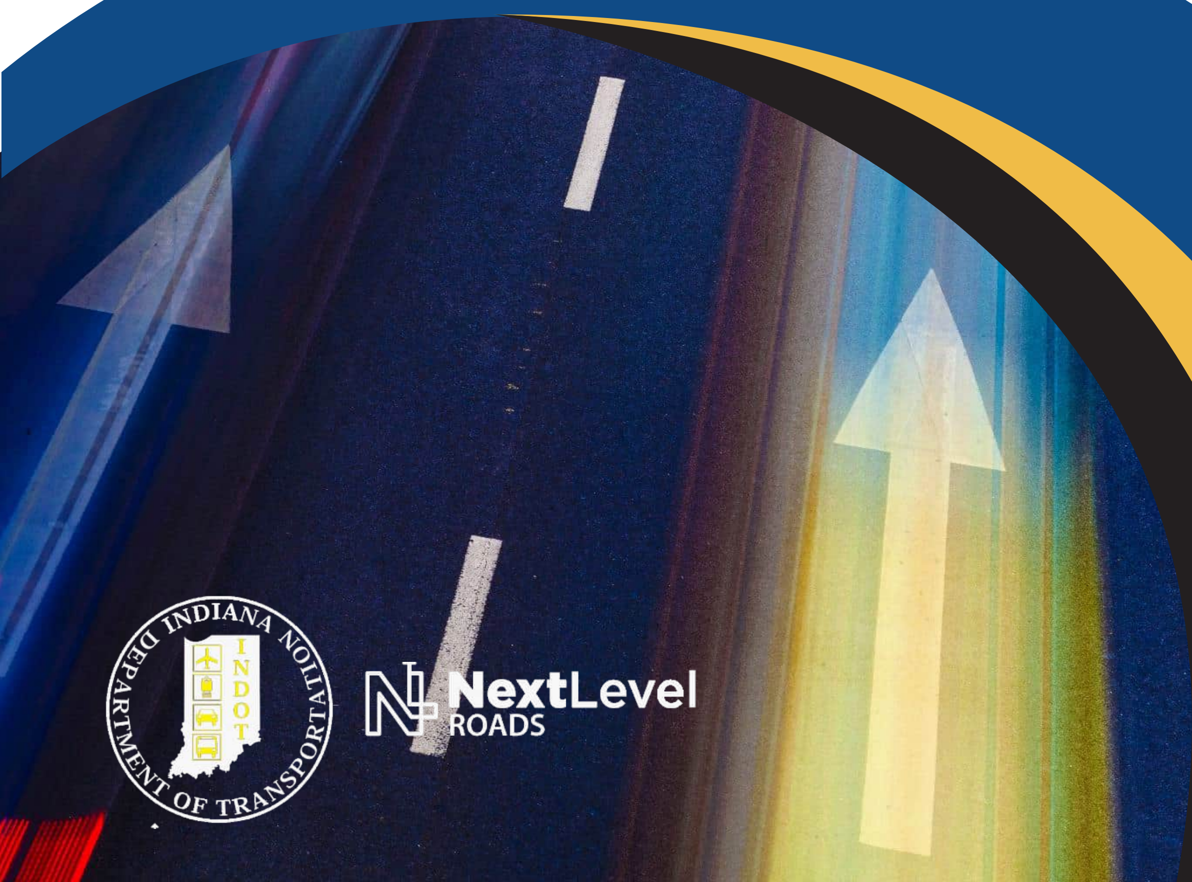
April 10, 2024

Prepared By

WSP USA
CHA Consulting, Inc.
Metric Environmental, LLC
Rundell Ernstberger Associates

This report was finalized prior to the issuance of several Executive Orders (EOs) and one United States Department of Transportation (USDOT) order, including:

- *Federal EOs: EO 14154, EO 14148, EO 14173, and EO 14281;*
- *State EOs: EO 25-49, EO 25-37, and EO 25-14;*
- *USDOT Order 2100.7*



INDIANA DEPARTMENT OF TRANSPORTATION

NextLevel ROADS

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1. INTRODUCTION

1.1. REPORT PURPOSE

ProPEL is an Indiana Department of Transportation (INDOT) initiative for transportation planning that uses collaborative Planning and Environment Linkages (PEL) studies to consider environmental, community, and economic goals early in the planning process. Through the PEL studies, INDOT aspires to create smarter transportation systems that build stronger communities. PEL studies allow INDOT to better understand community needs and develop alternatives that meet those needs. The PEL studies may ultimately identify a range of alternatives or several project areas that address the identified needs for the corridor. After the PEL studies are completed, INDOT may identify a reasonable range of alternatives for further development.

This Environmental Constraints Report is part of the data collection process for the ProPEL US 30 East study. It will identify known environmental resources (see sidebar) along and near the ProPEL US 30 East study that will be considered during development of the study's purpose and need statement, as well as the development and screening of potential alternatives.

> "Environmental Resources" studied in this report include human, community, socioeconomic, natural, cultural, or other types or resources. Environmental resources exist in community or natural environments.

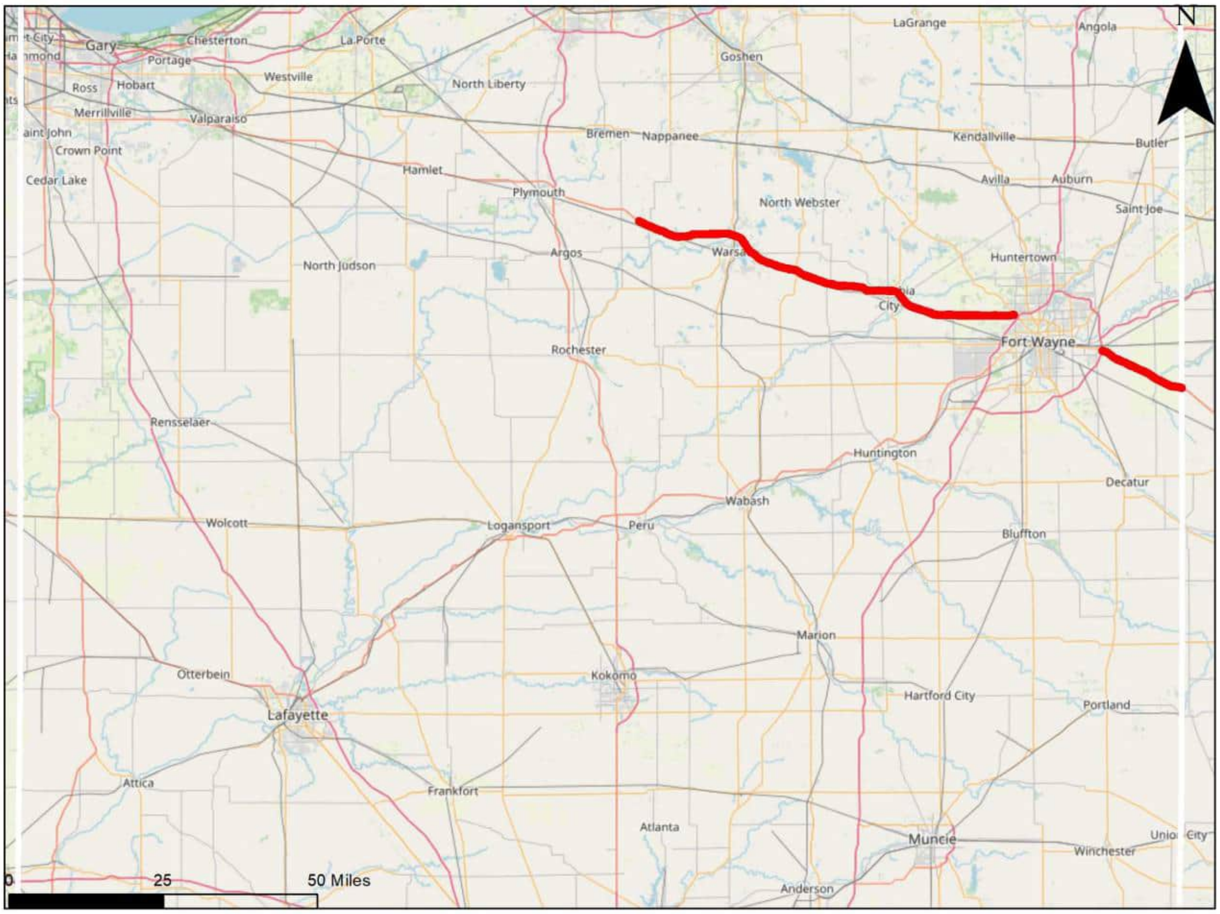
INDOT intends to carry forward the information, analysis, and decisions from the ProPEL US 30 East study into the National Environmental Policy Act (NEPA) process for any resulting projects. The types of environmental resources documented in this report align with categories evaluated during the NEPA process to establish continuity from the ProPEL US 30 East study into the NEPA process.

Agency, stakeholder, tribal, and public engagement will be collected and included throughout the ProPEL US 30 East study. The Environmental Constraints Report is based on existing information, much of which is publicly available. The ProPEL US 30 East study did not conduct fieldwork, delineations, or surveys for environmental resources, as this level of study is typically conducted during NEPA, as required. Corridor drive-throughs were used for general observations on the study area.

1.2. PROPEL US 30 EAST STUDY CORRIDOR

The ProPEL US 30 East study area is comprised of two US 30 sections, as shown in Figure 1-1 below. The study area is approximately 60 miles from reference post (RP) 78.4 (Beech Rd) to RP 151.9 (State Line Rd). The western section of the ProPEL US 30 East study begins in Marshall County at Beech Road, approximately one mile west of the Kosciusko County line, extends through Kosciusko and Whitley counties, and ends west of Fort Wayne at US 33. The eastern section of the ProPEL US 30 East study begins east of New Haven at Interstate 469/US 24 and ends at the Ohio state line. Much of the city of Fort Wayne is outside the ProPEL US 30 East study area, as I-469 provides a freeway bypass of Fort Wayne. The study area does not include the portion of US 30 that follows I-69/I-469 in the Fort Wayne area.

Figure 1-1. Study Location Map



Specific descriptions of the ProPEL US 30 East corridor's existing transportation conditions are documented in the Existing Transportation Conditions Report for ProPEL US 30 East.

1.3. RESOURCE AGENCY, STAKEHOLDER & PUBLIC INVOLVEMENT

Information was also obtained from ongoing resource agency, stakeholder, and public involvement, which included:

Vision & Scoping Phase

- Generally extended from October 2022 – December 2022. See Resource Agency, Stakeholder, and Public Involvement (RASPI) Summary #1, which is available on the study website https://propelus30.com/30doclibrary/) for further details.
- Outreach activities included:
  - Community Office Hours were held at least twice a month in the study area.
  - Virtual Stakeholder Advisory Committee (SAC) meetings were held on November 14 and 15, 2022.
  - A virtual meeting was held with the US 30 & US 31 Coalitions on November 21, 2022.
  - A virtual meeting was held with the Indiana Department of Natural Resources (IDNR) Division of Historic Preservation & Archaeology (DHPA) on November 30, 2022.

- Public Information Meetings (PIMs) were held on December 5 and 6, 2022 (held in Fort Wayne and Warsaw), with a subsequent on-demand virtual public meeting that was released 12/7/2022, which was available through December 31, 2022.

- Comments were received via the study website (https://propelus30.com/).

Purpose & Need Phase

- Generally extended from January 2023 – July 2023. Some engagement extended beyond July 2023. See RASPI Summary #2, which is available on the study website (https://propelus30.com/30doclibrary/), for further details.
- Outreach activities included:
  - Community Office Hours were held approximately twice a month in the study area.
  - A virtual Resource Agency and Cultural Resources Stakeholder meeting was held on January 27, 2023.
  - A virtual Tribal Partner Coordination Meeting was held on February 23, 2023.
  - A virtual meeting with the US 30 & 31 Coalitions was held on May 18, 2023.
  - Virtual SAC meetings were held on May 22 and May 23, 2023.
  - PIMs were held on June 8 and 13, 2023, with a subsequent on-demand virtual public meeting.
  - A virtual Tribal Partner Coordination Meeting was held on July 17, 2023.
  - A Resource Agency and Cultural Resource Stakeholder Meeting was held on November 30, 2023.
  - Several additional community outreach events were held at various fairs, festivals and community gatherings throughout the study area.
  - Virtual meetings were held with US 30 East's local economic development groups and employers on March 28 2023 and April 11, 2023.
  - A virtual meeting with Indiana Legislators was held on May 11, 2023.
  - An in-person meeting was held with the Indiana Farm Bureau on February 13, 2023.
  - Comments were received via the study website (https://propelus30.com/).
  - Recurring themes in the public comments received during this time period included concerns over the loss of farmland, a desire for public transit, an opposition to traffic signals, natural resource protection with a specific focus on the protection of Chapman Lake and the Tippecanoe River, and general concerns about traffic noise.

Based on comments received, the following has been updated in this report:

- Information related to threatened and endangered species was updated in Section 3.2.6 in response to agency coordination received for the ProPEL US 30 East study. During that coordination, it was mentioned that the Information for Planning and Consultation (IPaC) tool was not current and required updating. Therefore, a new species list was generated using IPaC, and the new information has been updated and replaced in Appendix E (pg. 15-25).
- Information related to forested areas was updated. To identify potentially forested land, aerial photography data were reviewed for dense, contiguous tree growth. About 9,700 acres of potential forested land have been identified in the study area. The Indiana Department of Natural Resources indicated in an October 17, 2023 early coordination letter that the study area included Northern Lakes Mesic Upland Forest communities, and this was assessed for the study area. Indiana Natural Heritage spatial data documents about 3.0 acres of Northern Lakes Mesic Upland Forest within the study area. A new section (Section 3.2.7) was added to the report to discuss this resource.
- The study team requested and received boundaries of Section 6(f)/Land and Water Conservation Fund locations for Morsches Park from IDNR. These boundaries were updated in reporting mapping (see Appendix A, pg. 5-29) and analysis (see Section 3.5).

- Information related to streams and groundwater was updated in Section 3.2.3 in response to coordination with the Indiana Department of Environmental Management (IDEM) and Maumee River Basin Commission (MRBC). The IDEM has stated that Tippecanoe River and Pole Run Ditch are resources of specific concern or importance, while the MRBC expressed a desire for two bridges over Flatrock Creek at US 30 to be studied due to drainage issues. Appendix E has been updated to include the IDEM correspondence and a map of the bridges of concern provided within MRBC correspondence (Appendix E, pg. 6-11).
- Information related to Threatened & Endangered Species and Indiana Natural Heritage species was updated in Section 3.2.6 in response to correspondence with the IDNR, who provided information regarding avoidance and possible further correspondence with respect to protected mussels in the project area and Blanding's turtle. Appendix E has been updated to include the IDNR correspondence.
- Documentation of a September 27, 2023 letter from the State Historic Preservation Office (SHPO) was included in Section 3.3. Appendix F (pg. 1-2) has been updated to include the SHPO correspondence.

2. METHODOLOGY

Methodology for each resource is listed by section through this memorandum. Generally, the environmental data are readily available using existing online data sources (local, state, and federal agencies, spatial data, and more), as well as drive-through observational surveys and other readily available data for the ProPEL US 30 East study. Applicable laws and regulations are listed by section.

Environmental resources were identified within a study area defined as a half-mile (from existing centerline) from the ProPEL US 30 East within the study limits noted in Section 1.2. Select environmental resources were studied using a larger study area, including underserved communities (within a study area buffer of five miles) and some socioeconomic metrics are reported at a county, community, or census tract level. Study areas used are discussed within each resource section. Unless noted, environmental resources discussed in this report will continue to be assessed through the ProPEL US 30 East study.

3. EXISTING CONDITIONS ANALYSIS

3.1. SOCIOECONOMIC CONSIDERATIONS

In the context of the ProPEL US 30 East PEL study, the analysis of socioeconomics is concerned with the interaction between social and economic characteristics of populations with the potential to be affected by a proposed action. The primary socioeconomic resources of potential concern in the study area include population characteristics, underserved communities, language, land use, education, employment, income, and homeownership.

3.1.1. DEMOGRAPHIC CHARACTERISTICS

STATS Indiana (www.stats.indiana.edu) and the US Census were used to develop demographic profiles and identify population characteristics of the communities within the study area. STATS Indiana is a public data utility developed by Indiana University and the State of Indiana, and is a leading source of Indiana economic and demographic data. Information presented by STATS Indiana is based on 2020 Decennial US Census data. The demographic analysis conducted for this study identified population, age, education, income, and homeownership statistics for each community.

Table 3-1 displays population characteristics of the study area. The overall population within Indiana and most sections of the study area has increased over the past 30 years, indicating a pattern of long term positive growth. Over this long term timeframe, the state of Indiana population has grown by approximately 22% and the study area counties of Marshall, Kosciusko, Whitley, and Allen have experienced population growth of approximately 9%, 23%, 24%, and 28%, respectively. Since 1990, most townships and cities within the study area have experienced population growth, with rates ranging from 2%-42%. Bourbon Township, Washington Township (Kosciusko County), Pierceton, Etna Green, and Jackson Townships saw a moderate decline in population over this same 30-year timeframe.

In the shorter term, between 2010 and 2020, growth within the study area counties has been more moderate with rates ranging generally between 3% to 8%, although Marshall County saw a decline of 2% over this period. As with the county population, growth within the townships has been more moderate with rates ranging from approximately 1% to 21% over the past ten years. Approximately 26% of the study area communities saw a small decline in population in this short term timeframe; however, of the communities experiencing a decline, most saw growth or steady population rates over the long term.

Table 3-1. US 30 East Population Characteristics

Location	1990	2000	2010	2020	% Change 2010-2020	% Change 1990-2020
State of Indiana	**5,544,159**	**6,080,485**	**6,483,802**	**6,785,528**	**4.65%**	**22.39%**
Marshall County	**42,182**	**45,128**	**47,051**	**46,095**	**(2.03%)**	**9.28%**
Bourbon Township	2,976	2,970	3,152	2,861	(9.23%)	(3.86%)
Town of Bourbon	1,672	1,691	1,810	1,698	(6.19%)	1.56%
Kosciusko County	**65,294**	**74,057**	**77,358**	**80,240**	**3.73%**	**22.89%**
Washington Township	3,128	2,819	2,996	3,025	0.97%	(3.29%)
Wayne Township	22,456	25,262	27,551	29,110	5.66%	29.63%
Town of Pierceton	1,030	695	1,015	928	(8.57%)	(9.90%)
Town of Winona Lake	4,053	3,987	4,908	5,053	2.95%	24.67%
City of Warsaw	10,968	12,415	13,559	15,804	16.56%	44.09%
Plain Township	5,211	7,194	7,698	8,819	14.56%	69.24%
Prairie Township	1,279	1,590	1,651	1,774	7.45%	38.70%
Etna Township	1,290	1,521	1,503	1,500	(0.20%)	16.28%
Town of Etna Green	578	663	586	570	(2.73%)	(1.38%)
Whitley County	**27,651**	**30,707**	**33,292**	**34,191**	**2.70%**	**23.65%**
Richland Township	1,492	1,732	1,758	1,786	1.59%	19.71%
Columbia Township	8,134	9,582	11,047	11,715	6.05%	44.03%
City of Columbia	5,706	7,077	8,750	9,892	13.05%	73.36%
Union Township	1,898	1,941	2,244	2,625	16.98%	38.30%
Allen County	**300,836**	**331,849**	**355,329**	**385,410**	**8.47%**	**28.11%**
Lake Township	1,914	1,985	2,301	2,789	21.21%	45.72%
Washington Township	27,416	33,105	36,092	38,434	6.49%	40.19%

City of Fort Wayne	173,072	205,727	253,691	263,886	4.02%	52.47%
Adams Township	31,023	31,394	31,816	34,192	7.47%	10.22%
City of New Haven	9,320	12,406	14,794	15,583	5.33%	67.20%
Jefferson Township	1,882	1,958	2,109	2,037	(3.41%)	8.24%
Jackson Township	561	498	504	523	3.77%	(6.77%)
Monroe Township	1,969	1,963	1,927	1,960	1.71%	(0.46%)

Source: STATS Indiana

Table 3-2. US 30 East Population Projections

Location	2020	2050	% Change 2020 to 2050
State of Indiana	6,785,528	7,272,579	7.18%
Marshall County	46,108	46,931	1.78%
Kosciusko County	78,988	84,493	6.97%
Whitley County	34,378	34,995	1.79%
Allen County	382,187	433,735	13.49%

Source: STATS Indiana

Table 3-2 displays STATS Indiana population estimates showing continued population growth into the future (2050). STATS Indiana estimates show Allen and Kosciusko Counties growing by 13.5% and 7.0%, respectively, while Marshall and Whitley Counties are each predicted to grow by 1.8% over the subsequent 30 years.

Tables 3-3 through 3-6 provide a summary of community characteristics including age, education, homeownership, and income for the counties within the ProPEL US 30 East study area.

Table 3-3. Population by Age

Age (Years)	Allen		Kosciusko		Marshall		Whitley		Indiana	
0 to 4	26,476	6.90%	5,040	6.30%	2,896	6.30%	2,150	6.30%	415,542	6.2%
5 to 17	72,041	18.9%	14,183	17.7%	8,709	18.9%	5,734	16.9%	1,176,545	17.4%
18 to 24	34,403	9.00%	7,325	9.10%	3,845	8.30%	2,457	7.20%	658,039	9.7%
25 to 44	100,893	26.4%	19,700	24.6%	10,358	22.5%	8,105	23.8%	1,722,385	25.5%
45 to 64	92,445	24.2%	20,562	25.6%	12,249	26.5%	9,498	27.9%	1,721,282	25.6%
65+	55,581	14.60%	13,341	16.60%	8,118	17.60%	6,104	17.90%	1,057,547	15.7%
Median Age	36.1		38.8		39.7		41.9		37.9	

Source: US Census Bureau. 2021 ACS 5-Year Estimates.

Marshall, Kosciusko, Whitley, and Allen Counites have a combined population of 542,213 people, with a median age of 39.1. Approximately 50% of the population is aged 25-64. Additionally, 25% of the population is under 18, while those aged 65 and over account for 15%. The remaining 9% of the population is college-aged (18-24).

Table 3-4. Educational Attainment

	Allen County	Marshall County	Kosciusko County	Whitley County	Indiana
Adults 25+ with High School diploma or higher	90.1%	85.5%	87.7%	92.1%	89.3%
Adults 25+ with two-year degree or higher	19.5%	12.5%	15.4%	16.2%	17.3%
Adults 25+ with four-year degree or higher	29.9%	20.5%	24.3%	23.1%	27.2%

Source: US Census Bureau. 2021 ACS 5-Year Estimates.

The majority of the population (89%) has achieved a high school diploma or equivalent. Additionally, 25% of the population has obtained a bachelor's degree or higher, and 16% of the population has obtained an associate degree.

Table 3-5. Income

	Allen County	Marshall County	Kosciusko County	Whitley County	Indiana
Per Capita Personal Income (2018)	$32,079	$28,746	$32,250	$33,649	$32,537
Median Household Income (2018)	$61,456	$58,296	$66,764	$67,716	$60,794

Source: US Census Bureau. 2021 ACS 5-Year Estimates.

The combined median household income for Marshall, Kosciusko, Whitley, and Allen Counties is $63,558 with a per capita income of $32,537.

3.1.2. UNDERSERVED COMMUNITIES

The Environmental Constraints Report identifies Environmental Justice (EJ) communities per *Executive Order (EO) 12898* and INDOT Environmental Justice policy. It also evaluates the study area for additional underserved communities that INDOT typically identifies in transportation studies, such as foreign-born people, non-English speakers, those without an automobile at home, and those without internet at home. Justice40's mapping tools were used to identify additional underserved communities as well. Finally, the United States Department of Housing and Urban Development's Resource Locator was reviewed to identify areas with federally funded housing stock for low-income people.

Environmental Justice

Executive Order (EO) 12898 – Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations and INDOT Environmental Justice policy were used as a basis for the EJ assessment. The EO directs federal agencies to identify and address the disproportionately high and adverse human health or environmental effects of their actions on minority and low-income populations, to the greatest extent practicable and permitted by law. *EO 12898* has since been supplemented by *EO 14096 (Revitalizing our Nation's Commitment to Environmental Justice in Minority and Low-Income Populations)*, which defines EJ as the just treatment and meaningful Involvement of all people, regardless of income, race, color, national origin, Tribal affiliation, or disability, in agency decision-making and other Federal activities that affect human health and the environment so that people:

(i) are fully protected from disproportionate and adverse human health and environmental effects (including risks) and hazards, including those related to climate change, the cumulative impacts of environmental and other burdens, and the legacy of racism or other structural or systemic barriers; and

(ii) have equitable access to a healthy, sustainable, and resilient environment in which to live, play, work, learn, grow, worship, and engage in cultural and subsistence practices.

USDOT Order Number 5610.2(c), issued in 2021 to direct the department's environmental justice work, issues the following definitions:

- Low-income persons are defined as those whose household income is below the US Department of Health and Human Services (DHHS) poverty guidelines.
- Minority persons include citizens or lawful permanent residents of the United States who are African American, Hispanic or Latino, Asian-American, American Indian, or Native Alaskan. USDOT Order 5610.2(c) provides the following definitions for minority populations:
    - Black: a person having origins in any of the black racial groups of Africa
    - Hispanic or Latino: a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race
    - Asian American: a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent
    - American Indian and Alaskan Native: a person having origins in any of the original people of North America, South America (including Central America), and who maintains cultural identification through tribal affiliation or community recognition; or
    - Native Hawaiian and Other Pacific Islander: people having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

Transportation Is for Everyone

Environmental justice (EJ) is the "fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation and enforcement of environmental laws, regulations and policies" (*EO 12898*).

This PEL study identifies EJ communities and includes meaningful and thorough outreach with these communities.

The ProPEL US 30 East study area for EJ communities includes all areas within five miles of the US 30 East centerline. In accordance with *EO 12898*, INDOT provides further guidance for an EJ analysis in the context of NEPA. A census tract (CT) or other geography can be considered an EJ community if its low-income or minority community represent more than 50% of the overall CT's population, or 125% of the same population for a Community of Comparison (COC). INDOT provides flexibility as to how to define a COC for a particular area. For ProPEL US 30 East, the COC is the combined population of every county represented in the study area: Allen, Kosciusko, Marshall, and Whitley. This includes communities within Fort Wayne. Although a portion of western Ohio is within the study area, CTs there were not included in the COC. US Census Bureau ACS 2021 5-year estimates were used in this analysis.

Underserved Communities

According to *EO 13985 (Advancing Racial Equity and Support for Underserved Communities through the Federal Government)*, the term "underserved communities" refers to populations sharing a particular characteristic, as well as geographic communities, that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life, such as Black, Latino, and Indigenous and Native American persons; Asian Americans and Pacific Islanders and other persons of color; members of religious minorities; lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons; persons with disabilities; persons who live in rural areas; and persons otherwise adversely affected by persistent poverty or inequality. For ProPEL US 30 East, underserved communities include the EJ communities discussed above, as well as communities meeting four other criteria:

- Limited-English households: This will help identify areas where non-English outreach materials may be warranted.
- Households with foreign-born occupants: This will guide areas where non-English materials may be needed, in consideration of the occupants' region of origin.
- Zero-vehicle households: This serves as a potential indicator of socioeconomic status and a proxy for potential Amish populations that would benefit from non-electronic public engagement methods.
- No-internet households: An indicator of socioeconomic status and potential Amish populations.

The methodology for identifying underserved communities aligns with the EJ methodology for INDOT. As discussed above, INDOT classifies a community as an EJ community if the "population is more than 50% minority or low-income or if the percentage of low-income population or minority population in the AC [affected community] is 125% of the percentage of low-income or minority population in the COC [community of comparison]." This practice was replicated for each of the criteria. For the purposes of this analysis, the AC is the census tract, and the COC is the combined population of the four affected counties of Allen, Kosciusko, Marshall, and Whitley. A combined population of these four counties as a COC reflects that this is a collective region that will be impacted by the improvements.

Disadvantaged Communities

In addition to the EO and INDOT methodology to identify underserved communities, two of the United States Department of Transportation (USDOT)'s Justice40 resources were explored to identify disadvantage communities (DACs). Justice40 was directed by *EO 14008* to ensure that 40% of the overall benefits of Federal investments flow to disadvantaged communities. In support of *EO 14008*, USDOT has published screening tools to identify such communities. One is its Areas of Persistent Poverty (APP) and Historically Disadvantaged Communities (HDC) mapping tool. The other is its Climate and Economic Justice (CEJ) screening tool. The APP/HDC tool identifies communities that have faced poverty for 30 years prior to the Infrastructure Investment and Jobs Act (November 15, 2021), and those who are considered disadvantaged in four of six criteria: transportation access, health, economic, equity, resilience, and environmental. The CEJ screening tool identifies CTs that face high pollution burden and are historically underserved. It does so by establishing eight criteria, and exploring CT-level federal data from sources such as the US Census, the Federal Emergency Management Agency (FEMA), the First Street Foundation, and the Department of Energy to evaluate which CTs are considered disadvantaged. The eight criteria considered by the CEJ screening tool are climate change, energy, health, housing, legacy pollution, transportation, water and wastewater, and workforce development.

> *Disadvantaged Communities*
>
> Per *EO 14008 – Tackling the Climate Crisis at Home and Abroad*, Justice40 is interested in ensuring that Federal investments flow to **disadvantaged communities (DACs):** those communities that are "historically marginalized and overburdened." DACs are identified at the Census Tract level, and may be classified as such based on a number of criteria including pollution burden, poverty, and access to opportunity.

For the purposes of this analysis, any CTs within five miles of the study corridor that were identified as an APP or an HDC, or which met at least one of the CEJ screening tool's threshold criteria, is considered a DAC.

US Department of Housing and Urban Development Resource Locator

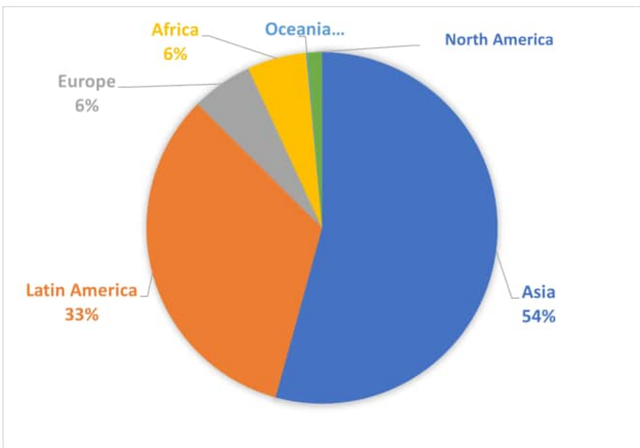
The United States Department of Housing and Urban Development (HUD)'s Resource Locator was reviewed to identify the following types of resources within five miles of US 30 East:

- Multifamily Assisted Properties, which include properties that receive HUD project-based assistance through its Section 8 rental assistance program; Section 202 Housing for Low-income Elderly; or Section 811 Housing for Persons with Disabilities programs
- Low Income Housing Tax Credit (LIHTC) Properties
- Public Housing Buildings
- Public Housing Developments
- United States Department of Agriculture (USDA) Rural Housing, which includes housing that was developed through a loan or grant from the USDA's Rural Housing Service.

Identified Underserved Communities, DACs, and HUD Resources

Of the 115 CTs within the study area, eighty-two (82) are identified as underserved communities. Many CTs in Fort Wayne demonstrate disproportionately high rates of multiple or all of the six criteria. CTs in Marshall and Kosciusko Counties identified as underserved communities have disproportionately high rates of no-vehicle households. CTs with elevated percentages of no-internet households are present in every county throughout the five-mile buffer. Refer to Appendix C for a list of CTs and results of EJ analysis, as well as a map of underserved communities. Per Justice40's screening tools, 43 of 113 CTs in the ProPEL US 30 East study area are identified as a DAC. Note that the CTs were classified by Justice40 status prior to 2020 redistricting. As a result, these tools show 113 total CTs in the five-mile buffer, two fewer than the 2021 5-year ACS estimates show; CTs 504 (Whitley County) and 9621 (Kosciusko County) have since been divided into two CTs (504.01 and 504.02, and 9621.01 and 9621.02, respectively). Most DACs are concentrated around Fort Wayne—including every CT meeting at least one criterion on the CEJ screening tool. The APP/HDC tool flags some communities in Kosciusko County as well. A list of DACs, and a map of these communities, are included in Appendix C.

Figure 3-1. Regions of Origin for US 30 East Foreign-Born Persons



Source: American Community Survey, 2021

Within the ProPEL US 30 East study area, foreign-born and limited-English populations are located in and around Fort Wayne as well as Warsaw. ACS 5-year 2021 estimates were used to identify regions of origin for foreign-born people in the study area. The majority of study area foreign-born persons are from Asia (see sidebar graphic, Figure 3-1), and another one-third are from Latin America. Exploring these data further, a 2018 report by the Northeast Indiana Regional Partnership and Associated Churches of Fort Wayne and Allen County (using data analysis from the American Immigration Council) indicates that the top five countries of origin for immigrants in Northeast Indiana are Mexico (28.9%), Myanmar (10.7%), India (5.2%), Guatemala (5.1%), and China (4.6%).

Catholic Charities in Fort Wayne provides refugee resettlement services, as well as medical screenings, job placement services, housing, and other needs. They relayed to the ProPEL US 30 East study team (June 2023) that there are thousands of refugees in the Fort Wayne area presently, largely from Burma/Myanmar, Thailand, and Malaysia. Many refugees live in Fort Wayne's southern neighborhoods, and many are receiving jobs well beyond the limits of Fort Wayne, frequently using US 30 for travel. Maple Leaf Farms (headquartered in Leesburg, IN, north of Warsaw) Miller Poultry (headquartered in Orland, IN with various locations), and Sweetwater Sound on the US 30 corridor in Fort Wayne were cited as among the largest employers of refugees. Catholic Charities states that transportation is a hurdle for these refugees, who typically do not have access to their own personal vehicles or driver's licenses until they have a job in place. Citilink, the public transportation service for Fort Wayne and Allen County, does not provide frequent service, with only one bus circulating on each route per hour. Community Transportation Network (CTN), a 501(c)(3) nonprofit agency offering on-demand individual and group rides in Fort Wayne and Allen County, assists with transportation, but securing a ride can be difficult as well because a ride request requires a form be filled out, a task that often rests with Catholic Charities.

Primary languages spoken among the limited-English populations identified in the ProPEL US 30 study area include Spanish (52%), Asian and Pacific Islander languages (30.4%), and other Indo-European languages (13.5%). These languages are likely related to the noted foreign-born persons from Mexico, Myanmar, India, Guatemala, and China living in the study area.

The sizable number of Latin American descendants among foreign-born individuals and Spanish speakers can be attributed in large part to Mexican immigrants. In addition to notable percentages of people of Indian and Chinese descent, the presence of Asian immigrants and Asian and Pacific Islander languages is due in part to the large number of Burmese people in the region, estimated to be about 20,000 today.

In addition to the underserved community characteristics of foreign-born and limited-english described here, sections of the study area in Marshall and Kosciusko Counties have elevated percentages of zero-car and no-internet households. Another area identified with high percentages of no-internet households is in western Whitley County. Continuing eastward and approaching Fort Wayne from Whitley County, many CTs meet most and occasionally all the EJ criteria discussed above.

Two Justice40 tools were used for the analysis: the CEJ screening tool, to identify any communities that meet at least one criteria threshold for which they are disadvantaged, and the HDC/APP screening tool developed by USDOT to identify any CTs recognized as historically disadvantaged or in persistent poverty. All communities identified by the CEJ screening tool are located in Greater Fort Wayne (see Appendix C). There are 34 such communities, reaching or exceeding between 1 and 4 thresholds. The threshold criteria and number of CTs that exceed them are as follows:

- Health: 26 CTs
- Legacy pollution: 26 CTs
- Workforce development: 23 CTs
- Housing: 20 CTs
- Energy: 2 CTs
- Traffic: 1 CT
- Water and wastewater: 1 CT
- Climate change: 0 CTs

The APP/HDC identifies thirty-two (32) APPs and twenty-three (23) HDCs. Eighteen CTs are designated as both. As with the CEJ screening tool, a concentration of these communities is located in and around Fort Wayne;

however, the tool identifies two HDCs in Kosciusko County, as well as an APP in Warsaw. Each of the 34 DACs is also classified as a community with EJ concerns.

The following HUD resources were identified within a five-mile buffer of US 30 East:

- Multifamily Assisted Properties: 24
- LIHTC Properties: 54
- Public Housing Buildings: 109
- Public Housing Developments: 5
- USDA Rural Housing: 11

Public housing buildings and developments within the study area are all located in Greater Fort Wayne. Rural housing is scattered throughout, with one each in Marshall and Allen counties, four in Kosciusko County, and five in Marshall County. Multifamily Assisted Properties are concentrated largely in Greater Fort Wayne, with a few locations in Kosciusko, Marshall, and Whitley counties. In addition to Fort Wayne, LIHTC properties are concentrated in the cities of Warsaw and Columbia. HUD resources located in the ProPEL US 30 East study corridor are shown in the Community Resources Map (Appendix A).

There are 32 individual manufactured home communities (MHC) within five miles of the existing US 30 East corridor. Fifteen (15) MHC are in Fort Wayne, 11 in Warsaw, 3 in Columbia City, 1 in Pierceton, 1 in Monroeville, and 1 in Etna Green.

The ProPEL US 30 East study team will continue to engage with identified communities with EJ concerns or other underserved communities through the public engagement process. This engagement is important for the ProPEL US 30 East study to understand the needs of specific communities or populations in relation to US 30 East, and to assess each PEL alternative's effects to underserved communities.

3.1.3. COMMUNITY PLAN SUMMARIES

3.1.3.1. EXISTING LAND USE

Marshall County
The study area includes a one-mile section of Marshall County jurisdiction from Beech Road to the Marshall/Kosciusko County line. The area is largely rural and primarily used for agriculture. There is some existing single family residential located on the north side of the Old US 30/ E. Lincoln Highway and 12B Road. A commercial node exists at the southeast corner of S. Beech Road and Old US 30/E. Lincoln Highway and at the northwest corner of US 30 and S. Beech Road.

Kosciusko County
The dominant current land use of Kosciusko County is agriculture, especially along US 30. There are three communities including Etna Green, Warsaw, and Pierceton. Much of the development has occurred along "Old Road 30/Lincoln Highway," signed as State Street in Etna Green, Lake Street and Center Street in Warsaw, and Market Street in Pierceton. Interspersed in the agriculture are single family homes that sit on land subdivided off of the agricultural tracts for family members of the farmers. Throughout the ½ mile study area in the county, there are some industrial and commercial properties that occur at intersections. In addition to agriculture, the existing development pattern outside city limits in Kosciusko County are as follows:

- Residential at N 875 west and south of W Old Road 30 (east of Etna Green)
- Commercial (building materials store, home based business, storage facility) south of US 30 from 800 W to approximately N 750 W (east of Etna Green)

- Subdivision north of US 30 from 800 W to 700 W (east of Etna Green)
- Subdivision south of US 30 from N 700 W (east of Etna Green)
- Commercial (gas station) at N 650 W (east of Etna Green)
- Commercial/Service (Superior Landscape Products, Tractor Supply, Why Pay Retail, American Outdoor BBQ) and industrial (furniture factory outlet, Lake City Car and Truck, Granite Shop, Lake City Cycle) development from the eastern boundary of the City of Warsaw east to S 450 E along the northern side of US 30 (east of Warsaw)
- Church at intersection of US 30 and S 450 E (east of Warsaw)
- Residential subdivision south of US 30 at E. Van Ness Road (east of Warsaw)
- Residential subdivision north of US 30 at a private road, west of S 900 E (east of Warsaw)
- Commercial (Maverick Motorcycle) just on the south side of US 30 and just west of S 900 E (east of Warsaw)
- Service (Phillips Tree Service) at the southeast corner of US 30 and S 900 E (east of Warsaw)

Etna Green

The primary land use within the city limits of Etna Green is single family residential. Most of Etna Green is located south of US 30, with the development pattern in that area as follows:

- Residential at the intersection of US 30 and State Road 19
- East of Etna Green, along US 30 includes Gulf Stream manufacturing, Kitchens to Go by Mobile Modular Manufacturing, and Winona Power Coating Manufacturing

Warsaw

The City of Warsaw has a mix of existing land uses. The primary land use within the community is single family residential, but the predominant land use along the US 30 corridor is commercial. The City of Warsaw has many existing orthopedic device manufacturing companies, including the large orthopedic companies of DePuy Synthes and Zimmer Biomet. US 30 through the western side of Warsaw includes industrial uses. Land use along the corridor through Warsaw includes:

- Service & Industrial area (American Concrete Pumping, Hall Automotive, Indiana Department of Transportation, Explorer Van Company, Pak A Sak Convenience Store) at the intersection with N Fox Farm Road in western Warsaw.
- Industrial area north of US 30, from west of N 200 W to east of Silveus Crossing. Uses include a variety of manufacturing companies including: Medtronic Inc. Premier Concepts, Ivy Tech Community College Warsaw, Medartis Inc. US Headquarters, OMCO-Warsaw, Banner Medical, Frontline Manufacturing, and vacant land for industrial development.
- Industrial area south of US 30, from west of N 150 W to Executive Boulevard. Uses include a variety of manufacturing companies including GreenMark Equipment, King Cabinets, Danco Anodizing, Standard Electric Supply Co, Circle M Spring, and vacant land for industrial development. A mining extraction facility (G&G Hauling Excavating) and Warsaw Waste Water Treatment Plant are both located south of this industrial area.
- Commercial development at the Detroit Street interchange with US 30, including chain big box stores, chain fast food, sit down restaurants, service stores like Smith Tires and Babsco Supply, Goodwill, a gym, commercial door retail, automotive repair, and storage.
- Industrial and Service area north of US 30, east of Detroit Street, including such companies as Zimmer Biomet, Torrent Engineering & Equipment, Touloukian Supply Plumbing Supply Store, Indiana Vac Form, Warsaw Schools Bus Garage, and Triple Medical Supply Store.

- Commercial and Service area with fast food restaurants, sit down restaurants, gas stations, medical offices, gyms, social service offices, grocery stores, big box retailers, and offices are along the US 30 corridor through eastern Warsaw.

Pierceton

Pierceton has a mix of existing land uses overall, but the primary land use is residential. Along the US 30 study corridor, the land use mix is primarily industrial, followed by residential and commercial (gas stations, fast food) uses.

- Industrial (Gills Manufacturing, OMCO, Aludyne) uses are in western Pierceton, at the intersction of Arnolt Drive and US 30
- Vacant parcel located at the southwest corner of US 30 and Tulip Drive
- Retail (gas station, fast food, discount store) at the intersection of US 30 and Main Street/S State Road 13
- Industrial Subdivision (Diesel Power & Machine, Paragon Medical, Suncoast Trailer) located on the north side of US 30 at Matchette Industrial Park Road
- Residential subdivision located on the south side of US 30 from Main Street/S. State Road 13 to E Mill Street
- Commercial/service (fast food, sit down restaurant, auto repair, P&P Engineering) development along US 30 from E 250 S / E Mill Street to Pierceton's eastern jurisidictional boundary

Whitley County

The US 30 East study corridor through Whitley County is primarily agricultural with some established single-family residential. Larwill and Columbia City are the Whitley County cities within the study area. There are commercial and industrial areas that have developed along US 30 in Whitley County, outside of the cities, as follows:

- Commercial (antique store) at US 30 and N Binkley Road (west of Larwill)
- Commercial (auto body shop) at US 30 and N 650 W (east of Larwill)
- Commercial (storage, car sales), Industrial (Jaxon Industries), and Institutional (church) at US 30 and N 400 W (west of Columbia City)
- Industrial (Five Star Distributing, Qualitex, 80/20, Wright Medical, Restoration Medical Polymers, Pyrotek, Breyden Products, Warner Electric Sites Medical, Ultra Maritime, Northeastern REMC, 3E Industries & Woodland Water) north of US 30 from S 400 E to S 500 E (east of Columbia City)
- Institutional (church) and residential south of US 30 at S 500 E (east of Columbia City)
- Industrial (Columbia City Plastic, Triad Metals International, Landmaster UTV, Impact CNC, Essex Furukaw, Chroma Source, Lear Corporation) at US 30 and S 600 E (east of Columbia City)
- Industrial (Steel Dynamics) south of US 30 from west of County Road S 700 E to W County Line Road/ S 800 E

Columbia City

- Residential and institutional (church) at US 30 and W Lincolnway
- Commercial (fast food, medical office, hotel, gas station, big box retail, bank) north of US 30 from W Lincolnway to Denzil Drive
- Vacant land along the south side of US 30 from W Lincolnway to the Take 5 Oil Change
- Commercial (fast food, auto repair, gas station, hotel, coffee shop, video store) begins at the Take 5 Oil Change and continues east on the south side of US 30 to W Columbia Parkway
- Residential extends east along US 30 from W Columbia Parkway to Blue River Road
- Recreation located east of Blue River Road
- Residential subdivision located on the northeast corner of US 30 and Old Trail Road
- Commercial (automotive) at US 30 and E Van Buren Street

- Institutional (Parkview Whitley Hospital) located on the southwest corner of US 30 and E Van Buren Street
- Industrial (PDQ Tooling, Fort Wayne Metals, WA Jones, All Pro Towing, Baron & Joseph Manufacturing Services, Starlight Instruments, Triad Metals) and commercial (Sailrite Fabric Store) on the south side of US 30 from E 100 S to E Business 30
- Commercial (Eel River Veterinary Clinic, Automotive shop, driving range, recreation) and industrial (Reelcraft Industries, Viking) at US 30 and E 100 S
- Residential subdivision at US 30 and S 300 E

Allen County

Allen County is a more urbanized county compared to the other three counties in the study area. Its two main communities of Fort Wayne and New Haven are not included in the US 30 East study area, but they affect land development along roadways in the study area. The land uses in the study corridor, outside Fort Wayne and New Haven, are a mixture of agricultural and single-family homes. As US 30 enters the western edge of Fort Wayne, the land use transitions to commercial and industrial. East of New Haven, there is a commercial node in the study area, then the land use transitions to single family homes and agricultural use until the eastern study terminus. Some land use development patterns to note in Allen County, outside of urbanized areas, include:

- Commercial (restaurant, travel plaza) node at US 30 and W County Line Road
- Industrial (Amazon warehouse) uses at US 30 and Flaugh Road
- Residential subdivision, Events Center (Sweetwater Sound) and Industrial (Synergy Radiology, Partstown, CRST Specialized Transportation, Motorcycle Rider Training, Allied Van Lines) at US 30 and Kroemer Road
- The US 30 interchange with US 33 and the US 30 interchange with I-69 on the east side of Fort Wayne have typical development pressures, with a resulting mix of industrial, commercial, service, residential, and recreation (golf course) development.

3.1.3.2. FUTURE LAND USE

Marshall County, Indiana

- **2013 Marshall County Comprehensive Plan**: The future land use plan for Marshall County shows the future land use for Marshall County in the study area as agriculture.

Kosciusko County, Indiana

- **Kosciusko County-wide/Comprehensive Plan 2022-2042:** The western portion of Kosciusko County along US 30 is designated as agricultural in the 2022 Forward Kosciusko County Comprehensive Plan, with the south side of Hoffman Lake classified as suburban residential and commercial (large scale retail and office). This area is intended to attract offices, restaurants, a range of commercial and retail uses, and multi-family residential. The County-wide Comprehensive Plan anticipates most of its new growth to occur within industrial parks along US 30. This growth includes industrial uses, commercial development, learning centers, and medical facilities. Highway repair and maintenance, interchange improvements, and frontage road installations are key parts of the county's infrastructure plan.

  The City of Warsaw has many existing orthopedic device manufacturing companies, including the large orthopedic companies of DePuy Synthes and Zimmer Biomet. East of the City of Warsaw, there are mixed land use classifications around US 30 including commercial, industrial, and residential suburban. This area is identified for residential growth and extends into Kosciusko County. Over the last decade, Warsaw has experienced new residential growth outside of, or adjacent to city boundaries, including large lot and rural residential lots.

  Winona Lake Along US 30 and east of Winona Lake is predominately classified as agricultural, with areas of residential suburban. In Pierceton, commercial land use is planned for the west side of the town and residential suburban planned on the east side of Pierceton, with remaining areas adjacent to US 30 planned as agricultural.

- **City of Warsaw Comprehensive Plan 2015-2035:** West of Warsaw, there is a large area on the north and south sides of US 30 planned for industrial use. The Plan states the location of this site was chosen due to its high visibility, access to US 30, future opportunities for high-tech and manufacturing uses, and the need to accommodate freight movement through the county to the rest of the country. These industrial areas are intended to contain a mix of low- and medium-density industrial buildings and industrial yards with large surface parking for cars and trucks. All planned traffic improvements must be wide enough to accommodate large-scale agricultural and mechanical vehicular movements to support multifaceted industries.

- **Etna Green Comprehensive Plan 2022-2047:** The plan indicates that Etna Green will be primarily impacted by recommendations to the SR 19 and US 30 interchange that is located along the Town's northern boundary. The comprehensive plan emphasizes growth and development opportunities as a unique advantage of US 30. This area should be used to attract industrial land uses who need access to the highway. Furthermore, the importance of US 30 to Etna Green is highlighted due to the high volume of traffic passing through Etna Green along US 30, with an average of over 10,000 daily travelers. The northwest side of the intersection of US 30 and SR 19 is planned to be agriculture and commercial. The northeast side of the intersection is planned to be commercial, industrial and agricultural. The southwest side of the interchange is proposed to be agriculture and urban neighborhood/residential and the southeast side of the US 30 and SR 19 interchange is planned to be urban neighborhood/industrial, residential subdivision, and commercial.

    - **Town of Pierceton Comprehensive Plan 2022-2047:** The Pierceton Comprehensive Plan Future Land Use Map shows commercial development at the northwest and northeast intersection of SR 13/First Street and US 30. Also, on the northeast quadrant behind the commercial development is proposed to be additional industrial and office development. The southwest quadrant of US 30 and SR 13/First Street contains a combination of neighborhood residential closest to the interchange, commercial, park space, then some industrial about a mile from the interchange.

Whitley County, Indiana

- **Whitley County Comprehensive Plan 2022-2042:** The future land use map adopted for Whitley County (2022 Whitley County Comprehensive Plan) was used to identify future land uses for the county. Areas west of the town of Larwill are classified as existing Traditional Neighborhood and Employment Centers. East of Larwill is planned for the Suburban Living and Lake Village land use classifications with potential for increasing residential density outside of the city limits. The established neighborhoods of this area were historically fishing or summer resorts with closely spaced cottages on narrowly accessed roads.

  Most of Whitley County along US 30 East, between urbanized areas, is classified as Mixed Rural. These areas are primarily agricultural, inclusive of established single-family residential, and will experience residential growth pressure from nearby urbanized areas. The character in this area is expected to continue to be recognizably rural throughout the timeframe of the Form Whitley County Comprehensive Plan, but over time, farms may be further blended with rural low-density residential development.

Outside of Columbia City, the comprehensive plan classifies the ProPEL US 30 East study area towards the Whitley/Allen County line as employment centers, with a mix of traditional neighborhoods in Coesse. The Plan states that this section of US 30 East is intended to attract large employers like light-industrial, commercial, and office uses typically located in a conventional “business park” setting. Buildings should be oriented to the street and include supporting uses like housing with plazas, pocket parks, restaurants, and employee amenities services.

- **Columbia City Comprehensive Plan 2015: 2035:** The 2015 Comprehensive Plan for Columbia City designates the north side of US 30 as a commercial center serving regional markets and mixed rural developments. To attract anchor tenants, whose main buildings are typically “big-box” style architecture providing regional shopping and employment opportunities for the City of Columbia and countywide, the Plan calls for the existing development patterns and policies to evolve to raise design quality, improve connectivity to surrounding neighborhoods, and become more walkable with sidewalks, shorter blocks, buildings near streets and shared parking.

Allen County, Indiana

- ***All In Allen County*** **Comprehensive Plan: 2023-2043:** The 2023 All In Allen County Comprehensive Plan includes the following excerpts reflecting future land use priorities along US 30:
    - Felger Road and Flaugh Road along US 30: This area has been designated as a potential economic development growth area and potential adjacent growth area. Its specific land use is designated “economic development transitional area,” which is an extension of the Cook Road (Northwest) Industrial area with access to Interstate 69 at both Lima Road and the US 30 Highway Interchange. The designation of an economic development transitional area means that due to a variety of site characteristics, the area has the potential to transform from rural agricultural or rural residential to production center, business and office park. An interchange is proposed at Flaugh Road as part of a separate project.
    - The south side of US 30 from O’Day Road to Flaugh Road: This section of US 30 is designated as “future complete neighborhood” area, where residents have access to a variety of amenities within a 15-minute walk. Residential use in this area could include a higher density development pattern with mixed use buildings and focused points of professional office and personal services, local serving commercial areas at intersections surrounded by attached and detached single family residential, duplex, multiple-family, and other residential “missing middle” (small multi-unit residential) types.
    - US 30 east of New Haven to the state line: All of the land has been designated as rural or agricultural area.
    - A small portion of US 30 (east of Interstate 469 between US 24 and US 30) is noted in the New Haven Comprehensive Plan for industrial uses. Primary industries targeted for this area include heavy industrial, warehousing, open storage, and distribution.

3.1.3.3. AGRICULTURE

Methodology

The Natural Resources Conservation Service (NRCS)’s Soil Survey Geographic Database (SSURGO) was reviewed to identify the general agricultural suitability of land within a half-mile of the center line of existing US 30 (ProPEL US 30 East study area), including Prime Farmland and Farmland of Statewide Importance. The United States Department of Agriculture (USDA) defines Prime Farmland as “land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses” (7 U.S.C. § 4201©(1)). Farmland of Statewide Importance, hereafter referred to as "Important Farmland," is determined by the appropriate state agency as farmland "for the production of food, feed, fiber, forage, and oilseed crops."

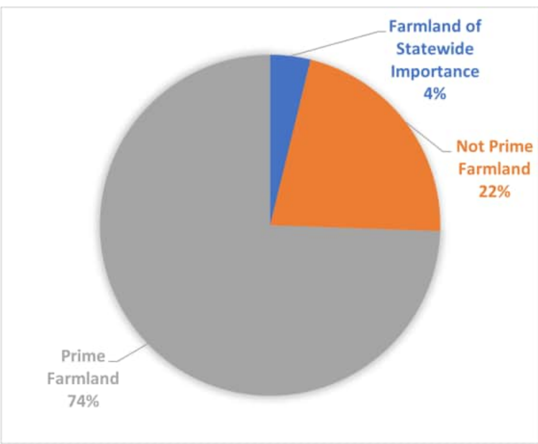
Agricultural Profile of Study Area

Data from the USDA's National Agricultural Statistics Service (NASS) were reviewed for each of the four counties within the ProPEL US 30 East study area. A majority of agricultural land in these counties is dedicated to soybean and corn production. Soybean production represents the largest share of cropland for Allen and Whitley Counties with corn in second place. For Kosciusko and Marshall Counties, corn represents the highest share of cropland and soybeans second. Grains, oilseeds, dry beans, and dry peas dominate agricultural sales in these counties. NASS information for the counties in the study area is provided in Appendix D (pg. 2-9).

As discussed in Section 3.2.2 Soils, much of the soil in the study area is classified as muck. Muck soils are the product of former wetlands, swamps, and marshes where organic matter decomposes very slowly. While considerable investment and skill are required to produce crops on muck soils, once drained they are highly suitable for specialty crops such as carrots, onions, radishes, lettuces, potatoes, and mint.

Based on a review of aerial photography data, it is estimated that approximately 30,000 acres of land in the study area are currently used for agriculture.

Figure 3-2. Farmland Profile, US 30 Study Area



Prime and Important Farmland

Per SSURGO, approximately 74% of the land within five miles of US 30 in the study area is considered to be Prime Farmland. About 4% of the land is considered to be Farmland of Statewide Importance, while about 22% is not Prime or Important Farmland (Figure 3-2). The soils map in Appendix A (pg. 83-107)shows a heavy concentration of Prime and Important Farmland in the small Marshall County portion of the study area in the west, as well as in Allen County, to the east. While there is Prime and Important Farmland in Kosciusko and Whitley counties, these counties have the largest concentration of land in the study area that are not considered farmland.

Coordination with USDA/NRCS for a range of reasonable alternatives and any resulting project areas will occur during NEPA, using the NRCS-CPA-106 form.

Centennial Farms

The Hoosier Homestead Award Program honors Indiana's agricultural heritage by recognizing families with farms owned by the same family for 100 years or more. The Hoosier Homestead program is administered by the Indiana State Department of Agriculture, and has been active since 1976. During this time, more than 5,800 Indiana farms have received a Hoosier Homestead Award. The awards include:

- Centennial Award: 100 years of ownership in the same family
- Sesquicentennial Award: 150 years of ownership in the same family
- Bicentennial Award: 200 years of ownership in the same family

Hoosier Homestead Award winners are available by name and by county. Per the Indiana Department of Agricultural, individual awards by address are not available at this time. The study area counties were characterized by the number of awards received. The four ProPEL US 30 East study counties have received a total of 366 awards since 1976. Ninety-one percent (91%) of the awards were Centennial Awards only (114 in Allen County, 90 in Kosciusko County, 66 in Whitley County, and 62 in Marshall County), and 9% of the study area awards were Sesquicentennial Awards (17 in Allen County, 6 in Kosciusko County, 6 in Marshall County, and 5 in Whitley County). No Bicentennial Awards were granted in the study area. Allen County received the highest number of awards among the study area counties, and Marshall County received the lowest. Eighty-nine percent (89%) of statewide Hoosier Homestead Awards were Centennial Awards, 10% were Sesquicentennial Awards, and 1% were Bicentennial Awards, following a similar distribution to awards in the study area counties.

Alternatives development and screening will consider the age of adjacent or impacted farmsteads, seeking to avoid impacts to family farms eligible for or holding Hoosier Homestead Awards.

3.1.4. ECONOMY

The Regional Chamber of Northeast Indiana represents the private business interests of eleven counties in Northeast Indiana. In addition to promoting an environment for businesses to get the resources and regulatory environment they need to succeed, the Regional Chamber of Northeast Indiana creates regional economic profiles for public use. These regional profiles provide valuable insight into each county's economy. For the purposes of the ProPEL US 30 East Study, the profiles for Allen, Whitley, Kosciusko, and Marshall have been combined. The following is a regional profile overview of the four counties along the US 30 East study area.

Table 3-6. Employment Profile for US 30 East Counties

US 30 East Employment Profile		
Total Jobs	**419,538**	
Average Earnings per Job	**$58,928**	
Private Employment	**380,657**	**90%**
Accommodation, Food Service	28,463	7%
Arts, Entertainment, Recreation	7,033	2%
Construction	24,501	6%
Health Care, Social Services	50,285	12%
Information	3,369	1%
Manufacturing	53,500	13%
Professional, Technical	16,237	4%
Retail Trade	49,060	12%
Transportation, Warehousing	31,322	7%
Wholesale Trade	17,075	4%
Other Private	61,518	15%
Government Employment	**34,544**	**8%**
Farm Proprietors	**4,337**	**1%**

Source: US Bureau of Economic Analysis, 2021

Major industries within the region include manufacturing, retail, and health care.

Fort Wayne is the second largest city in Indiana and serves as the economic hub of northeast Indiana. Per the Northeast Indiana Regional Partnership (NEI), more than $1 billion in investment has occurred in downtown Fort Wayne over the last ten years. Fort Wayne is home to several insurance companies and to Purdue

University Fort Wayne, Indiana Tech, and Ivy Tech Community College. *All In Allen County* identifies GM, BF Goodrich, Lutheran Health Network, Sweetwater, Frontier Communications, and Lincoln Life as top employers in the city and county.

Warsaw is the second largest city in the study area and is known as the Orthopedic Capital of the World®. Per NEI, nearly one-third of the $38 billion global orthopedic industry is headquartered in the County. Kosciusko County is also a leading agribusiness hub. Per the Kosciusko Economic Development Corporation (KEDCO), the county is home to the world's largest bio-diesel plant, world's leading producer of chicken eggs and duck, and ranked 4th in Indiana for total value of agriculture products sold. Major employers in Kosciusko County include Zimmer Biomet, Depuy Synthes, Polywood, and Maple Leaf Farms.

The largest industries within Whitley County include manufacturing, health care and social services, retail trade, and education. The Whitley County Economic Development Corp (WCEDC) identified Lear Corporation, Ultra Electronics-USSI, C & A Tool Engineering Inc, 80/20 Inc, Whitley County Consolidated Schools, and Steel Dynamics as the top employers in the county.

The Marshall County Economic Development Corporation (MCEDC) notes that almost one hundred different manufacturing companies are located in the county, including six international operations and over a dozen corporate headquarters. The largest industries are manufacturing, health care and social assistance, and retail trade. Major employers include Southwire Company, Nishikawa Cooper LLC, Walmart Supercenter, Aker Plastics Co Inc, Ancilla Domini Sisters Inc, and Universal Bearings Inc.

A wide variety of businesses exist within the four counties in the ProPEL US 30 East study area. Several grocery stores, general stores, and fast-food restaurants are located along US 30 at major intersections with north-south arterial roads. Within the more urbanized areas in Columbia City, Warsaw, and New Haven, transportation supportive uses such as automotive parts stores, car washes, and gas stations exist in higher quantities along with banks, hotels, and other restaurants.

3.1.5. INFRASTRUCTURE

Please refer to the Environmental Constraints Map series in Appendix A for locations of infrastructure discussed in this section.

Airports

Warsaw Municipal Airport is located approximately 0.25 miles north of the US 30/SR 15 interchange. The airport is owned by the City of Warsaw. The airport consists of a 5,000-foot north/south runway (RWY 18/36) and a 6,000-foot east/west runway (RWY 9/27). The airfield facilities include a fixed-based operator (FBO), hangars, tarmac tie-down area, and Automated Weather Observation System (AWOS). In 2019, the Federal Aviation Administration awarded the city a $6.3 million supplemental grant for phase one of the Warsaw Airport runway extension. Phase one includes the lowering of the electrical powerlines to the east of Runway 9/27 which is within the ProPEL US 30 East study area.

Smith Field Airport is located approximately two miles northeast of the US 30/US 33 interchange near Fort Wayne. Fort Wayne International Airport (FWA) is located approximately 15 miles south of US 30 and can be accessed indirectly from US 30 via I-69 to Airport Expressway.

Railroads

There are no at-grade railroad crossings of US 30 within the study area. The Norfolk Southern Railroad extends from north to south through Kosciusko County within the study area. The railroad travels through the City of Warsaw and crosses US 30 east of the US 30/SR 15 interchange. The railroad crossing is grade-separated from US 30 via a bridge over the railroad.

The Chicago, Fort Wayne & Eastern Railroad extends from northwest to southeast through Marshall, Kosciusko, Whitley, and western Allen counties within the study area. A rail yard and spur, associated with Steel Dynamic, Inc. is located adjacent to US 30 east of Columbia City. From the study's western terminus to Columbia City, portions of the railroad are within the study area parallel with US 30, and comes within half a mile of the US 30 East study area in and near Atwood, Winona Lake, Pierceton, and Larwill. The railroad does not have a crossing with US 30 within the study area.

The Norfolk Southern railroad lies approximately 0.5 miles north of the I-469/US 30 interchange near New Haven. The railroad travels parallel with Dawkins Road and has a rail yard at Dawkins and Berthaud Road, but does not have a crossing with US 30 within the study area.

Utilities

Utilities within the study area include fiber optic, electric, sewer, water, gas, telephone, cable TV, and communications. See the *Existing Transportation Conditions Report* for a complete list of utility owners and see the Environmental Constraints Mapping in Appendix A for the locations of utilities in the study area. Several high voltage powerlines and associated transmission towers cross US 30. The crossings are located:

- West of CR 900 E with transmission towers 100 and 300 feet from US 30
- Between CR 650 W and CR 500W with transmission towers 520 and 540 feet from US 30
- West of CR 350 W with transmission towers 150 and 775 feet from US 30
- West of Stahlhut Road with transmission towers 70 and 640 feet from US 30

An electrical substation is located 40 feet south of US 30 east of Van Ness Road near Wooster. Additionally, several utility lines and poles are located at the US 30/CR 600E intersection and a utility line extends along the south side of US 30 from Warsaw to Business 30.

In Allen County, an electrical substation is located approximately 600 feet northeast of US 30 on Martin Road. An associated high voltage powerline and transmission towers cross US 30 between Martin Road and Sampson Road. The transmission towers are approximately 150 feet from US 30. A second high voltage powerline crosses US 30 east of Giard Road, with transmission towers 120 and 260 feet from US 30.

Electric utility owners within the ProPEL US 30 East study area include Northern Indiana Public Service Company, Town of Etna Green, Kosciusko REMC, Columbia City Municipal Utility, Northeastern REMC, Paulding-Putnam REMC, and Indiana Michigan Power Company.

Several Northern Indiana Public Service Company pipelines are located within the study area. Pipelines are located:

- West of CR 150 W (two pipelines)
- East of Detroit Street (Warsaw)
- West of CR 250 E
- East of CR 250 E
- West of Line Street (Columbia City)
- West of CR 600 E
- West of US 33, south of Washington Center Road and east of Hatfield Road
- West of State Line Road

3.1.6. COMMUNITY FACILITIES

Northeast Indiana and the US 30 East communities boast a wide array of community facilities frequented by local community members and visitors alike. To identify community facilities in the study area, the study team conducted spatial analysis using ArcGIS Pro and ESRI Community Analyst within a half-mile of the existing US 30 corridor. These community resources located within the study area are described in further detail in the following sections and are shown on the Environmental Constraints Mapping in Appendix A (pg. 5-29).

Community Facilities Considered

- Schools/Education
- Emergency Services
- Community Centers
- Parks and Recreation
- Businesses
- Housing
- Post Offices
- Libraries
- Landmarks
- Gathering Spaces
- Government Facilities
- Social Services
- Religious Services
- Medical Services

Community Centers, Libraries, and Post Offices

There are two public libraries along the corridor, one in Columbia City, Whitley County (Peabody Public Library) and one in Pierceton, Kosciusko County (Pierceton Public Library). There are no community centers within the study area.

There are four United States Postal Service offices located in Pierceton, Larwill, Atwood, and Etna Green.

Government Offices

There are twelve government offices located within the study area. This includes three State of Indiana offices (INDOT Maintenance Unit fueling station in Warsaw, Indiana DNR District 2 Law Enforcement Office in Columbia City, and an Indiana DNR Fish and Wildlife Office in Columbia City), three Whitley County offices (County of Whitley Extension office in Columbia City, Whitley County Sewer, and Whitley County Corrections), two in Kosciusko County (County Child Protection and Animal Shelter), two in the Town of Pierceton (Street Dept. and Town Hall), and two water treatment plants (one in Larwill and one in Warsaw).

Table 3-7. US 30 East Community Resources

Title	Title
Businesses	395
Community Centers, Libraries, and Post Offices	6
Government Offices	12
Medical Services	103
Parks and Recreation Services	17
Religious Services	10
Schools	8
Social Services	7
Total	550

Source: ESRI Community Analyst and Data Axle, 2022

Medical Services

Medical services in the ProPEL US 30 East study area include dental offices, hospitals, pharmacies, outpatient doctor offices, and sports medicine centers. As discussed in the Economic section above, the City of Warsaw has emerged as a hub for the medical manufacturing industry. Of the 103 "medical services" (medical providers) in the study area, 63 are within the Warsaw City limits. There are three hospitals within the study area: Parkview Whitley Hospital in Columbia City, as well as Lutheran Kosciusko Hospital and Parkview Kosciusko Hospital in Warsaw. There are also several nursing home/assisted living facilties/retirement homes within the study area, including Millers at Oak Pointe (Columbia City), Lake City Place (Warsaw), Grace Village (Warsaw), and Cedar Creek of Warsaw (Warsaw).

Parks and Recreation

Public parks and recreational facilities in the ProPEL US 30 East study area are documented in Section 3.4 (Section 4(f)), and in the Environmental Constraints Map in Appendix A. Several public waters or lakes are adjacent to the US 30 East PEL study corridor, including Little Pike Lake (Warsaw), Pike Lake (Warsaw), and Winona Lake (Warsaw).

US 30 East provides regional access to public recreational areas, such as the following sample of public recreational areas that are located beyond the PEL study area but within ten (10) miles of the study corridor:

- Allen County:
    - Cedarville Reservior (Cedarville)
    - Fox Island County Park and Nature Preserve (Fort Wayne)
    - Lake Everett (Churubusco)
    - Schoaff Lake (Fort Wayne)
    - Soloman Farm Park (Fort Wayne)
- Whitley County:
    - Blue Lake and Campground (Blue Lake)
    - Goose Lake and Resort (Columbia City)
    - Loon Lake (Seward)
    - Big Cedar Lake, Little Cedar Lake, Round Lake, Shriner Lake (Tri-Lakes area)
    - Troy Cedar Lake (Lorane)
- Kosciusko County:
    - Big Barbee Upper Chain of Lakes (Pierceton)
    - Big Chapman Lake/Little Chapman Lake (Warsaw)
    - Center Lake (Warsaw)
    - James Lake and Tippecanoe Lake (Tippecanoe)
    - Ridinger Lake and campgrounds (Pierceton)

Places of Worship

There are 8 places of worship located within the study area:

- Hope Lutheran Church, 2001 S 500 E, Coesse (Whitley County)
- The Church of Jesus Christ of Latter Day Saints, 3085 S Lincoln St, Coesse (Whitley County)
- New Hope Wesleyan Church, 971 N 400 W, Columbia City (Whitley County)
- Larwill Wesleyan Church, 114 N Center St, Larwill (Whitley County)
- Pierceton United Methodist Church, 502 N First St, Pierceton (Kosciusko County)
- First Baptist Church-Pierceton, 208 West Market St, Pierceton (Kosciusko County)
- St Francis Xavier Parish, 408 W Catholic St, Pierceton (Kosciusko County)
- Christian Health Fellowship, 220 Parker St, Warsaw (Kosciusko County)

Schools

There are 10 schools located in the study area within Columbia City, Whitley County (3), Warsaw, Kosciusko County (5), Winona Lake, Kosciusko County (1), and Fort Wayne, Allen County (1).

- Coesse Elementary School, S 500 E, Columbia City (Whitley County; public school)
- Brightpoint Headstart, S Governors Dr, Columbia City (Whitley County)
- Faith Christian Academy, E State Road 205, Columbia City (Whitley County; private school)
- Harrison Elementary School, Husky Trail, Warsaw (Kosciusko County; public school)
- Ivy Tech Community College, Silveus Crossing, Warsaw (Kosciusko County; public school)
- Lakeland Christian Academy, S 250 E, Winona Lake (Kosciusko County; private school)
- Monarch Christian Academy, S 325 E, Warsaw (Kosciusko County; private school)
- Suburban Bethlehem School, W California Rd, Fort Wayne (Allen County; private school)
- Trinity School of Natural Health, Parker St, Warsaw (Kosciusko County; private school)
- Warsaw Kindercare, Capital Dr, Warsaw (Kosciusko County)

The schools in the study area include preschools, public, private, and college facilities and are listed below. The study area is also served by the Northeast Indiana Colleges and Universities network, which includes Grace College, Huntington University, Indiana Tech, Indiana University (Fort Wayne) Indiana Wesleyan University, Ivy Tech Community College, Manchester University, Purdue University (Fort Wayne), Trine University, and University of Saint Francis (NE Indiana Regional Partnership, 2022).

Social Services

There are seven social services locations located within the ProPEL US 30 East study area, with seven in Warsaw and one in Columbia City. These social services include homeless shelters, a medical and dental clinic focused on supporting low-income persons, women, infants, and children's services. Many of the social service providers along US 30 are located in Warsaw, clustered around Lutheran Kosciusko Hospital at Parker Street.

- Beaman Home Shelter, Provident Dr, Warsaw
- BABE of Whitley County, N Line St, Columbia City
- Combined Community Services, Mariners Dr, Warsaw
- Health Services Pavilion, Community Action Northeast Indiana/Medication & Dental Assistance, Provident Dr, Warsaw
- United Way-Kosciusko Co, Lake City Hwy, Warsaw
- WIC Program Women Infants-Children, Provident Dr, Warsaw
- Combined Community Services, Mariners Drive, Warsaw Housing

According to estimates from ACS (2021)[1], there is a population of 18,346 persons living in 8,684 housing units within the ProPEL US 30 East study area. This population accounts for only 3.7% of the total population within Allen, Kosciusko, and Whitley Counties; the primary counties within which the study area is located (the small segment in Marshall County was not considered in this housing study). A few relevant housing trends are evident in a review of this census data (US Census Bureau, 2021 American Community Survey Five-Year Summaries).

- The housing stock in the ProPEL US 30 East study area contains a smaller percentage of pre-war housing (built in 1939 or earlier) when compared to the state and study area counties. Approximately half (49.3%) of all housing units within the study area were built between 1970 and 2000. The median age of these housing units is 40-years old (built in 1983).
- Two-thirds of people that own homes in the study area have lived there for at least 9 years. One-third of residents have moved into their housing unit (either as a renter or owner) within the past 9 years.
- The median home value within the study area counties is $155,875. This value is slightly higher to that of the state.
- There are seven manufactured home communities (MHC) within a half-mile of US 30 East between Etna Green and Columbia City (see Community Resources Map in Appendix A). Four of the seven MHC are within a half-mile of US 30 East are located in Warsaw, with one each in Etna Green, Pierceton, and Columbia City.

[1] 6 2020 ACS Housing Summary - Summary Key Metrics.xlsx

Table 3-8. Housing Types

	Allen County		Marshall County		Kosciusko County		Whitley County		Indiana
Owner Occupied	103,849	69.3%	12,763	75.7%	23,486	75.7%	11,344	82.7%	69.9%
Median Value	$149,000		$150,200		$160,500		$163,800		$148,900
Renter Occupied	45,902	30.7%	4,102	24.3%	7,526	24.3%	2,381	17.3%	27.4%
Average Household Size	2.51		2.54		2.69		2.45		2.50
Median Rent	$840		$833		$852		$799		$844

Source: US Census Bureau. 2021 ACS 5-Year Estimates.

The majority of the study area population (76%) lives in owner-occupied units at a median value of $155,875. Twenty four percent (24%) of the population rents their homes at a median rent of $831. There are 19 HUD subsidized properties within the study area, as identified on the HUD Resource Locator as discussed in Section 3.1.2 (see Community Resources Map in Appendix A).

Housing statistics for the study area counties, including but not limited to age of structures, ownership, and median home values can be found in Appendix D (pg. 1).

3.2. NATURAL RESOURCES

The natural environment comprises all living and non-living things that occur naturally. The environmental resources studied within this study area includes streams, soils, wetlands, threatened and endangered species, and floodplains. These resources are often resources that have separate regulatory drivers, such as the Endangered Species Act or the Clean Water Act. The resource identification provided in this study should be considered preliminary. Further natural resources studies and surveys will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

Unless otherwise noted, all natural resources were identified within a half-mile of the existing US 30 corridor.

3.2.1. WETLANDS

Wetlands are areas in the landscape that contain standing water or have water at or near the soil surface for part or all of the year. Categorically different from both dry land (upland) and deep water of lakes and streams, wetlands often occur in the transitional zones between these features. Wetlands support an array of plants (hydrophytic) and animals which are uniquely adapted to life in saturated or flooded conditions. Wetlands can be classified by their connection to surface water conveyances such as streams and rivers, by their dominant vegetation type, or by their hydrologic regime such as depth, duration, and frequency of water.

A **Freshwater Emergent Wetland** is one that usually has saturated soil or standing water less than one foot deep and dominated by herbaceous (non-woody) vegetation.

A **Freshwater Forested/Shrub Wetland** is one that has saturated soil or standing water less than one foot deep and is dominated by trees or shrubs.

A **Freshwater Pond** is one that has a surface water such as a lake or pond, which is a body of water typically more than one foot deep for the majority of the year and does not support widespread herbaceous or woody vegetation.

A **Lake** is a large body of water surrounded by land.

NWI Wetlands: The National Wetlands Inventory (NWI) was established by the USFWS to conduct a nationwide inventory of US wetlands to aid in conservation efforts. The NWI wetland classification system and mapping techniques were developed from this need. There are approximately 3,048 acres of NWI mapped wetlands in the study area. These can be broken down into the categories shown in Table 3-8, with associated totals estimated within the ProPEL US 30 East study area.

Additional information about wetland limits, plants, connectivity, and quality will be available through field delineation for any resulting project areas will be generated during NEPA**.**

Wetland Mitigation Sites: Coordination with INDOT Environmental and Waterway Permitting Office (EWPO) occurred to record the wetland mitigation sites that may be within the study area; however, none were identified.

Table 3-9. US 30 East NWI Wetlands

Wetland Type	Acres in Study Area
Freshwater Emergent Wetland	942
Freshwater Forested /Shrub Wetland	1,588
Freshwater Pond	312
Lake	206
Total Wetlands	3,048

Source: US Fish and Wildlife Service, National Wetlands Inventory

NWI wetlands in the ProPEL US 30 East study area are shown in the Environmental Constraints Map series (Appendix A, pg. 31-55).

3.2.2. SOILS

The United States Web Soil Survey (WSS) was used to identify peat and muck soils within the ProPEL US 30 East study area. This study area is located outside of the designated Indiana Karst Region as outlined in INDOT's current Protection of Karst Features during Project Development and Construction. While no peat-type soils were identified, a list of muck-type soils were present**.** Muck soils can indicate the presence of existing or former wetlands and they are unsuitable for building roads, buildings, or other infrastructure. Muck soils in the study area are identified in Table 3-9 and mapped in Appendix A (pg. 83-107). In total, there are 2,204 acres of muck soil, accounting for 5.5% of the 40,057-acre study area.

Table 3-10. Study Area Muck Soils

Type	Description	Acres
AdwAD	Adrian muck, drained, disintegration moraine, 0 to 1% slopes	36
Ca	Houghton muck, drained, 0 to 1% slopes	113
EchAN	Edwards muck, drained, 0 to 1% slopes	20
Ed	Edwards muck, drained	46
Gm	Gilford mucky sandy loam, gravelly substratum, 0 to 2% slopes	164
HpjmA	Houghton muck, disintegration moraine, 0 to 2% slopes	522
Ht	Houghton muck, drained	267
HtbAN	Houghton muck, drained 0 to 1% slopes	50
Hx	Houghton muck, drained	387
Md	Martisco muck, drained	2
Mz	Muskego muck, clay loam substratum, drained	62
Pa	Palms muck, sandy substratum, undrained	93
Pb	Palms muck, sandy substratum, drained	267
Pc	Pewamo mucky silty clay loam	17
Rn	Rensselaer mucky silty clay loam	65
Sf	Sebewa mucky loam	78
Wu	Willette muck	15
Total		2,204 ac

Source: US Department of Agriculture, National Resource Conservation Service, Web Soil Survey

3.2.3. STREAMS AND GROUNDWATER

The EPA's Sole Source Aquifer (SSA) map was referenced for the study area. The ProPEL US 30 Study area covers portions of Marshall, Whitley, Kosciusko, and Allen Counties, and is outside of the designated St. Joseph Sole Source Aquifer, the only legally designated sole source aquifer in the state of Indiana.

The Indiana Department of Environmental Management's Wellhead Proximity Determinator website was referenced for the study area (IDEM, 2022). The study area is within Source Water Areas and Wellhead Protection Areas. Coordination with IDEM will be required to ensure compliance with the Wellhead Protection Program and/or the Source Water Assessment Program for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

The InDNR (Indiana Department of Natural Resources) Water Well Record Database was referenced for the study area. A number of wells and extraction points are within the study area. Coordination for a range of reasonable alternatives and any resulting project areas will occur during NEPA to minimize and mitigate any impacts to these resources.

Any potential impacts to public water systems will be minimized and mitigated for a range of reasonable alternatives and any resulting project areas will occur during NEPA with applicable regulating agencies.

The Hydrologic Unit Code (HUC) is a numbering system for watersheds developed by the US Geological Survey (USGS). The 8-digit HUC is used in Indiana to identify sub-regions that drain to major river systems. The ProPEL US 30 East study area crosses six 8-digit HUC watersheds; three which drain south and west to the Ohio River: 05120106 Tippecanoe River, 05120104 Eel River, 05120101 Upper Wabash, and three which drain east and north to western Lake Erie: 04100004 St Mary's River, 04100005 Maumee River, and 04100007 Auglaize River. Within these sub-basins, hundreds of smaller streams are present that convey water across the landscape.

Table 3-11. Study Area Streams, By Type

Type	Stream Length in Study Area (Linear Feet)
Artificial Path	12,278
Canal/Ditch	100,842
Connector	1,404
Intermittent	114,441
Perennial	164,731
Total	396,696

Source: USGS, 2022

Rivers and Streams: The National Hydrography Dataset (NHD) layer provided by the USGS was reviewed for the presence of rivers and streams within the study area. This data is derived from high-resolution mapping at 1:24,000 scale. There are 188 river and stream segments identified within the ProPEL US 30 East study area. Many of these segments cross US 30 or run parallel to US 30 for long stretches. Within this study area, one stream, Tippecanoe River, is listed on the Nationwide Rivers Inventory (NRI) that is designated for outstandingly remarkable natural or cultural values, considered to be regionally significant, and qualifies for classification as a State Natural and Scenic River segment. Other streams of note that can be found in the study area are Blue River, Pole Run Ditch, Eel River, Deeds Creek, Flatrock Creek, and Seegar Ditch. A full list of streams can be found in the Natural Resources appendix (Appendix E, pg. 1-4) and the Environmental Constraints Map series (Appendix A). The IDEM has indicated that Tippecanoe River and Pole Run Ditch and its surrounding wetland complex is a resource of importance. During agency coordination for the study, the Maumee River Basin Commission (MRBC) expressed bridge drainage concerns over Flatrock Creek associated with potentially inadequate cross-sectional area openings at the encroachments. The MRBC stated that these bridges' drainage concerns should be considered during alternatives development. See Appendix E for IDEM correspondence and a map of the bridges of concern provided within correspondence from the MRBC (Appendix E, pg. 6-11).

IDEM 303(d) Listed Streams and Lakes (Impaired): The IDEM 303(d) Listed Streams and Lake segments are reported to the EPA as part of the Indiana Integrated Water Monitoring and Assessment Report, and includes the rivers, streams, and tributaries that do not meet water quality standards for one or more monitored indicators, and are listed as not supporting one or more uses (i.e., recreation, fish consumption, aquatic life, and drinking water supply). There are 40 IDEM 303(d) Listed Streams and Lake segments found within the US 30 study area. Many of these segments are listed for Escherichia coli (E. coli), impaired biotic communities (IBC), and dissolved oxygen levels. One notable IDEM 303(d) listed feature is Seegar Ditch and its unnamed tributaries. Seegar Ditch crosses US 30 in Allen County, west of Fort Wayne. Tippecanoe River, in the City of Warsaw in Kosciusko County, is listed for E. coli and dissolved oxygen and is located 0.6 mile west of SR 15. A full list of impaired streams and their impairments can be found in the Natural Resources appendix (Appendix E, pg. 5) and the Environmental Constraints Map series (Appendix A).

3.2.4. FLOODPLAINS

Methodology

The Flood Control Act (IC-14-28-1; Indiana General Assembly) requires that any person proposing to construct a structure, place fill, or excavate material at a site located within the floodway of any river or stream, unless that activity is exempted, must obtain written approval of the InDNR prior to initiating activity. A "floodway" is defined as the channel of a river or stream and those portions of the flood plain adjoining the channel which are required to efficiently carry and discharge the flood water or flood flow of any river or stream. Typical transportation projects that may require an InDNR approval when work occurs within a floodway may include, but not limited to:

- Bridge and/or culvert construction or widening,
- Bank protection,
- Channel modification and/or relocation,
- Temporary runaround structure construction, including approaches,
- Construction access bridges and/or causeways,
- Borrow pit excavation, and
- Cofferdams.

DFIRM: The Digital Flood Insurance Rate Maps (DFIRM) are developed by FEMA to show flood hazard areas within a community that are prone to flooding using historic, meteorological, hydrologic, hydraulic, and topographic data in a process called Flood Insurance Studies. These provide the technical engineering basis for determining lands that are subject to inundation by a flood that has a 1% or greater chance of occurring annually at any given time. This is described as a 100-year flood. DFIRM floodplain areas can be found in the Environmental Constraints Map series (Appendix A).

US 30 East Floodplains

Floodplain – DFIRM – Zones A and AE: There are 98 DFIRM (digital floodplain; FEMA) floodplain polygons found within the ProPEL US 30 East study area that are in Zones A or AE (FEMA, 2022). Zone A are areas that have a 1% chance of flooding per year and have not had a basic hydraulic analysis performed for the area. Zone AE are areas that have a 1% chance of flooding per year with an elevation less than 3 feet above the base flood elevation. These locations are largely associated with streams and river segments.

Coordination will occur with InDNR for a range of reasonable alternatives and any resulting project areas will occur during NEPA and any required permits will be obtained prior to construction.

FEMA Hazard Mitigation Grant Program:

The FEMA Hazard Mitigation Grant Program provides funding to state, local, tribal and territorial governments so they can develop hazard mitigation plans and rebuild in a way that reduces or mitigates future disaster losses in their communities. This funding is available after a presidentially declared disaster when requested by an authorized representative (FEMA, 2022).

Coordination with FEMA Grants Management occurred to find any parcels that have been purchased by local entities for this program. There are no parcels that have been purchased as part of this program within the study area.

3.2.5. WILDLIFE HABITAT

USFWS Bat Hibernacula: As part of the Rangewide Programmatic Agreement between US Fish and Wildlife Service (USFWS), Federal Highway Administration (FHWA), Federal Transit Administration (FTA) and Federal Railroad Administration (FRA), a confidential GIS layer of documented roost, captures, and/or hibernaculum is kept. INDOT maintains coordination between the consultant and the confidential information. A request of the bat database review for the ProPEL US 30 study area made on September 30, 2022 returned no recorded roost, capture or hibernacula sites.

BIAS Bat/Birds Inspections: The Bridge Inspection Application System (BIAS) bridge inspection reports were researched for all the listed structures within or immediately adjacent to the ProPEL US 30 East study area. There were 91 inspection reports reviewed and one structure, 43-00231 on Hoffman Lake Road in Kosciusko County, has had bird or bird nesting activity spotted during inspections. Seven reports had no recorded information of whether bats or birds were present. USFWS Bridge/Structure Assessments are only valid for two years. If any construction activity occurs two years after most recent inspections, an additional inspection must be performed by a qualified individual. A table detailing the structures and the findings can be found in the Natural Resources appendix (Appendix E, pg 39-40).

Wildlife Crash Data: Between 2017 and 2021, there were 476 vehicle crashes involving a deer in the study area. Considerations for wildlife crossings will be considered during subsequent NEPA studies that may follow the completion of the PEL study.

3.2.6. PROTECTED SPECIES

The Endangered Species Act was established in 1973 to provide protections for fish, wildlife, and plants that are listed as threated or endangered, to provide an opportunity to add and remove these species from the list and provided interagency cooperation to avoid take of listed species and for issuing permits for otherwise prohibited activities. Any potential impacts to federally threatened or endangered species will be further explored for a range of reasonable alternatives and any resulting project areas during NEPA.

Federal Threatened and Endangered Species

Information about the ProPEL US 30 East study was submitted through USFWS Information for Planning and Consultation (IPaC) portal and an official species list was generated (see Appendix E). There are nine federally listed threatened, endangered, or candidate species whose range is known to be within the study area. These species include the Indiana bat (*Myotis sodalis)*, the northern long-eared bat (*Myotis septentrionalis*), the tricolored bat (*Perimyotis subflavus)*, the whooping crane (*Grus* americana), the copperbelly water snake (*Nerodia erythrogaster neglecta*), the clubshell clam (*Pleruobema clava*), the rayed bean clam (*Villosa fabalis*), the salamander mussel (*Sipsonaias ambigua*), and the monarch butterfly (*Danaus plexippus*). There is one critical habitat of these species within the study area, for the salamander mussel (see Appendix E, pg. 18). IDNR indicates that this species is present where US 30 crosses the Tippecanoe River, and states that if in-channel work should occur, further coordination with IDNR and USFWS will be required.

Indiana State Threatened, Endangered, and Rare Species

The Indiana Natural Heritage Data Center (INHDC) was established in 1978 to determine the state's most significant natural areas through an extensive statewide inventory. There are 51 plant and animal species in Allen County that are listed on the Indiana Heritage Database, 113 plant and animal species listed in Kosciusko County, 58 plant and animal species listed in Marshall County, and 45 plant and animal species listed in Whitley County. These species include the wavyrayed lampmussel (*Lampsilis fasciola*), which is present where US 30 crosses the Tippecanoe River, according to IDNR. IDNR also states that Blanding's turtle (*Emydoidea blandingii*) may be present in wetlands near the corridor. The IDNR requires consultation with the state herpetologist at sites with occurrence records. See Appendix E for IDNR correspondence.

Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) was established to prohibit the take (including killing, capturing, selling, trading and transport) of protected migratory bird species without prior authorization by the Department of

Interior US Fish and Wildlife Services. A list of potential bird species that may be found within the study area has been established by the USFWS, such birds include the bald eagle (*Haliaeetus leucocephalus*), the chimney swift (*Chaetura pelagica*), and the red-headed woodpecker (*Melanerpes erythrocephalus*), among others. A full list of bird species that are on the Birds of Conservation Concern list that are relevant to the study area are in Appendix E (pg. 19-25).

Bald eagles and golden eagles (*Aquila chrysaetos*) currently have protections under the Bald and Golden Eagle Protection Act (1940). This Act prevents the "take" or "disruption" of eagles or their nests without prior permitted permission. Take is defined as, "take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle … [or any golden eagle], alive or dead, or any part (including feathers), nest, or egg thereof." Disrupt is defined as, "to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior." Bald eagle populations in Indiana have increased to over 350 nesting territories and golden eagles have been documented migrating through Indiana. The Indiana Department of Natural Resources – Division of Fish and Wildlife documents bald eagle nesting territories. Coordination will occur for a range of reasonable alternatives and any resulting project areas will occur during NEPA, prior to any federally funded or approved project is programmed following the results of the US 30 East study, in an effort to eliminate, to avoid or minimize potential impacts to eagles and their nesting territories. The IDNR does not expect this project to result in significant negative effects to bald eagles.

3.2.7. FOREST

Forest potential forest plantations or native forests. IDNR defines a forest plantation as an area with at least 400 timber producing trees per acre, and native forestland as containing at least 40 square feet of basal area per acre or at least 1,000 timber producing trees. To identify potentially forested land, aerial photography data were reviewed to identify areas of dense, contiguous tree growth. About 9,700 acres of potential forested land have been identified in the study area. Indiana Natural Heritage spatial data documents about 3.0 acres of Northern Lakes Mesic Upland Forest within the study area, located at the northwestern intersection of Kosciusko County Roads 150W and 300N.

3.3. CULTURAL RESOURCES

An Above-ground Cultural Resources Identification Memorandum (Appendix F) and Archaeological Cultural Resources Identification Memorandum were completed for the ProPEL US 30 East study area.

The purpose of the memoranda is to collect information on previously identified above-ground cultural resources and archaeological cultural resources listed in the National Register of Historic Places (NRHP) or may be eligible for listing in the NRHP. For the purposes of this identification, an above-ground cultural resource may be any structure, building, object, bridge, or cemetery that is, in simple terms, above the ground as opposed to archaeological resources that are generally below the ground.

The compiled information is a planning tool to help inform INDOT, the study team, the public, and stakeholders of cultural resources within the ProPEL US 30 East study area. Specifically, a range of reasonable alternatives and any resulting project areas that would require federal involvement must comply with Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations under 36 CFR Part 800. Under Section 106, federal agencies must identify and assess their actions on those cultural resources that are listed in or eligible for listing in the NHRP and seek ways to avoid, minimize and/or mitigate adverse effects. The data collected for the ProPEL US 30 East study will identify properties currently listed in the NRHP and those that have the potential to be eligible for listing in the NRHP based on previous surveys. Formal determinations of NRHP eligibility will occur during the Section 106 process for any federally funded or approved project programmed following the ProPEL US 30 East study.

Unless otherwise noted, all cultural resources were identified within a half mile of the US 30 existing corridor. It is recommended that the PEL study identify alternatives that avoid effects to listed historic sites.

3.3.1. ABOVE-GROUND RESOURCES

The Above-ground Cultural Resources Identification Memorandum (Appendix F) compiled background information for previously recorded above ground cultural resources located within the ProPEL US 30 East study area. The previously recorded resources were identified primarily using the State Historic Architectural and Archaeological Research Database (SHAARD) and the associated Indiana Historic Buildings, Bridges, and Cemeteries Map (IHBBCM). SHAARD is a collection of surveyed resources in the state maintained by the Indiana Department of Natural Resources-Division of Historic Preservation and Archaeology (DNR-DHPA).

See Appendix F (Cultural Resources Appendix) for more detail on known or potential above-ground cultural resources in the ProPEL US 30 East study area, and expanded details on methodology.

Research identified 240 previously recorded resources within the ProPEL US 30 East study area. Of these resources, the study area includes portions of three NRHP listed historic districts and two individual NRHP listed sites:

- IHSSI Nos. 183-129-21001-21297; NR-0803; NPS No. 87001307: Columbia City Historic District in Whitley County
- IHSSI Nos. 085-510-41001-41035/NR-1097/NPS No. 92001147: Pierceton Historic District in Kosciusko County
- IHSSI No. 003-382-09055/NR-1229/NPS No. 95001112: Saint Louis Besancon Historic District in Allen County
- IHSSI No. 085-080-45008/NR-1017/NPS No. 91001865: Justin O. Zimmer House, in Warsaw, Kosciusko County
- IHSSI No. 183-510-16028/NR-1809/NPS No. 05000315: Dr. Christopher Souder House, in Larwill, Whitley County

None of these sites are adjacent to US 30. Most of the State-listed, Outstanding, and Notable rated resources are concentrated within the adjacent communities along US 30. However, there are two Notable rated farmsteads with acreage that abut US 30, both west of Fort Wayne:

- IHSSI No. 003-286-16035, Dreyer-Mesing Farm at 5201 West Washington Center Road in Allen County, built c.1880
- IHSSI No. 099-061-30042, Ridenour Farm at 295 12B Road in Marshall County, built c.1870

There are three cemeteries that are near US 30 (see Environmental Constraints Maps in Appendix A):

- IHSSI No. 099-061-30044, Old Parks Cemetery, Marshall County
- CR-92-75 (no IHSSI No.), Union Township Cemetery, Whitley County
- IHSSI No. 003-692-15042, Sugar Ridge Cemetery, Allen County

The resources within the study area were recorded and rated in c.1990 (Kosciusko County), c.2000 (Whitley County), and c.2012-c.2014 (Allen County). Thus, in the event of a field survey, these ratings may change based upon the integrity and significance of the resource. Street and aerial mapping, county property records, and a study area drive-through observational survey conducted on October 27, 2022, were used to compile a list of 22 potentially historic neighborhoods, most of which date to the postwar period. These 22 potentially historic neighborhoods have not been previously surveyed. Fieldwork may identify additional potential historic districts, as well, such as the numerous early to mid-1900s lakeside communities that have developed in the study area. These potentially historic districts will be analyzed and evaluated for a range of reasonable alternatives and any resulting project areas will occur during NEPA, in compliance with Section 106 of the NHPA.

See Appendix F (Cultural Resources Appendix) for the full Above-ground Cultural Resources Identification Memorandum for more detail on known cultural resources in the ProPEL US 30 East study area. The Environmental Constraints Map series (Appendix A) displays potential above-ground cultural resources and NRHP Districts in the ProPEL US 30 East study area.

In a letter dated September 27, 2023, the Indiana State Historic Preservation Office (SHPO) acknowledged receipt of the Above-ground Cultural Resources Identification Memorandum that was prepared specifically for the ProPEL US 30 East Study. The SHPO stated their office "will assist the federal agency responsible for administering the project by evaluating the historical significance of the properties within the area of potential effects that will be part of future submissions to our office."

3.3.2. ARCHAEOLOGICAL RESOURCES

The *Archaeological Cultural Resources Identification Memorandum* compiled background information for previously recorded archaeological sites located within the ProPEL US 30 East study area. The previously recorded archaeological sites were identified using SHAARD (Indiana Department of Natural Resources/State Historic Preservation Office 2022). Only archaeological sites recorded as NRHP eligible, potentially eligible, or with undetermined eligibility were included. No fieldwork or drive-through observational reconnaissance was conducted for this study.

Based on the review of SHAARD, there are two potentially NRHP eligible sites and 80 sites of undetermined eligibility within the ProPEL US 30 East study area. There are no archaeological sites currently listed in the NRHP in the study area.

Per the Indiana Division of Historic Preservation and Archaeology (InDNR, DHPA) guidelines (2022), all previously known and reported sites must be revisited if not already determined not eligible for the NRHP. Sites recorded as NRHP eligible, potentially eligible, or with undetermined eligibility, should be avoided until a Phase I cultural resources survey is completed. The survey will involve an attempt to relocate these sites and investigate NRHP eligible resources.

In a letter dated September 27, 2023, the Indiana State Historic Preservation Office (SHPO) acknowledged receipt of the Archaeological Cultural Resources Identification Memorandum that was prepared specifically for the ProPEL US 30 East Study. The SHPO stated their office "will assist the federal agency responsible for administering the project by evaluating the historical significance of the properties within the area of potential effects that will be part of future submissions to our office."

3.4. SECTION 4(F)

Section 4(f) of the US Department of Transportation Act of 1966 provides protection of significant publicly-owned park and recreation lands, wildlife and waterfowl refuges, or any publicly or privately owned historic site listed or eligible for listing on the National Register of Historic Places during transportation project development. Section 4(f) is codified in 49 U.S.C. §303 and 23 U.S.C. §138 and implemented by FHWA through 23 Code of Federal Regulations (CFR) 774. Section 4(f) applies to federal actions by the US Department of

Transportation (US DOT). Section 4(f) prohibits the use of publicly owned land from any park, recreation area, or wildlife/waterfowl refuge or from a historic site of national, state, or local significance for transportation projects unless (1) there is no prudent and feasible alternative to the use; and (2) the proposed project includes all possible planning to minimize harm.

Potential Section 4(f) properties were identified via field investigations, review of county and city recreation plans, historical database search, and GIS data. The ProPEL US 30 East study does not propose a specific US DOT action at this time, but it is expected that the PEL study will identify multiple alternatives that will then be subject to environmental review under NEPA. The Section 4(f) resources identified in the PEL study are considered to be potential Section 4(f) resources at this time until a range of reasonable alternatives or any project areas are identified, and coordination with Officials with Jurisdiction (OWJ) for each potential Section 4(f) property occurs.

All potential Section 4(f) resources were identified within a half-mile buffer of the US 30 existing corridor. Refer to the Environmental Constraints Mapping (Appendix A) for locations of potential Section 4(f) resources in the ProPEL US 30 East study area.

3.4.1. POTENTIAL SECTION 4(F) RESOURCES: PUBLICLY-OWNED PARKS, RECREATION AREAS, AND WILDLIFE AND WATERFOWL REFUGES

Methodology

Publicly owned parks, recreation areas, and refuge areas protected by Section 4(f) are any "publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, state, or local significance" (49 USC § 303). Public parks and recreation areas are properties that are owned, managed, or leased by the public government (e.g., federal, state, city, village, county, township, or local parks authority). Refuge areas are typically federally or state owned and serves specific wildlife and waterfowl refuge activities. Refuge areas may or may not be open to the public. Privately-owned refuges are not subject to protection under Section 4(f).

Potential Section 4(f) Park, Recreation, or Refuge Resources

Table 3-11 summarizes the seventeen (17) potential park and recreational Section 4(f) resources in the ProPEL US 30 East study area. These properties are mapped in the Environmental Constraints Map in Appendix A. No public wildlife or waterfowl refuges or wildlife management areas are located within the study area. Recreational Section 4(f) properties identified in the study area included city parks, trails, pools, fairgrounds, and community centers. The properties are owned and managed by local (city, township parks and recreation departments) and regional agencies (Indiana 15 Regional Planning Commission, Fort Wayne Trails, Inc., NIRCC, and Whitley and Allen counties).

Public DNR managed lands within the study area include Morsches Park (pond/fishing access) and Jury Park. There are also two privately-owned lands managed by InDNR within the study area: the Wayne Township Property north of Winona Lake and the Dillion Farm Forest west of Larwill. Both properties are closed to the public, and would not have Section 4(f) protections since they are privately-owned.

There are two privately owned golf courses located in the study area. These include the Eagle Glen Golf Course located at 129 South Eagle Trail, Columbia City and the Coyote Creek Golf Club located at 4935 Hillegas Road, Fort Wayne. Section 4(f) applies to golf courses that are owned, operated, and managed by a public agency for the primary purpose of public recreation and determined to be significant. Section 4(f) does not apply to privately owned and operated golf courses even when they are open to the general public. Therefore, neither course is subject to Section 4(f).

Schools within the study area that include recreational amenities include Atwood Elementary School, Harrison Elementary School, Columbia City High School, Coesse School, Highland Terrace School, and St. Louis School.

Table 3-12. Potential Park and Recreation Section 4(f) Resources

Park and Recreation Resource	Location	Owner or Manager
Marshall County		
None		
Kosciusko County		
Heritage Park	301 South Walnut, Etna Green	Town of Etna Green
Lake City Greenway – Warsaw Trail & Connector Trails	Warsaw	City of Warsaw
Warsaw Side Paths	102 S. Buffalo St, Warsaw	City of Warsaw
Brower Park	105 East Market St, Pierceton	Pierceton-Washington Twp Park Board
Whitley County		
Whitley County Fairgrounds	680 W Squawbuck Rd, Columbia City	Whitley County
Patriotic Park	Redick Ave, Columbia City	Columbia City
Mayor's Park	N. Columbia Parkway, Columbia City	Columbia City
Russel and Evelyn Fahl Aquatics Center/Burnworth Memorial Pool	Columbia City	Columbia City
Morsches Park & Trails	Columbia City	Columbia City/DNR
Blue River Trail	Columbia City	Columbia City
Eel River Trail	Along SR 205	NIRCC
Trail US 30/Lincolnway Corridor Trail	Along US 30	NIRCC
Allen County		
East Washington Center Road Corridor Trail	Along US 30	Indiana 15 Regional Planning Commission
Koehlinger-Yoder Park	Minnich and Moeller Rd, New Haven	New Haven-Adams Township Parks & Recreation
Jury Park	1702 Glencoe Blvd, New Haven	New Haven-Adams Township Parks & Recreation/DNR
State Road 101 Trail	Along SR 101	Fort Wayne Trails, Inc.

The park and recreation properties identified in Table 3-11 above are considered potential Section 4(f) resources for the purposes of this PEL study. Section 4(f) use determination and coordination will be completed during NEPA for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

At this time, all potential Section 4(f) resources are recommended for avoidance from any PEL study alternatives.

3.4.2. POTENTIAL SECTION 4(F) HISTORIC RESOURCES

Section 4(f) provides protection for public or privately owned historic sites of national, state, or local significance, specifically those that are on or eligible for the NRHP. Section 4(f) requires the consideration of how federal US DOT actions use historic sites of national, state, or local significance in private or public ownership, regardless of if they are open to the public. (23 USC § 138(a) and 49 USC § 303(a)). Historic resources, also known as cultural resources (see Section 3.3), include above-ground/architectural resources as well as below-ground/archaeological resources.

As stated in Section 3.3, the PEL study's review of known historic resources is a planning tool to help inform INDOT, the study team, the public, and stakeholders of known cultural resources within the ProPEL US 30 East study area. The historic resources review for the PEL study does not constitute a Section 106 review, and will not identify any previously unidentified resources eligible for the NHRP. The data collected for the ProPEL US 30 East study will identify properties currently listed in the NRHP and those that have the potential to be eligible for listing based on previous surveys.

Several assumptions were made for the purposes of identifying potential Section 4(f) historic resources in the PEL study:

- Previously identified above-ground or archaeological resources on or eligible for the NHRP were considered to be potential Section 4(f) resources for the purposes of the PEL study.
- The previously identified above-ground or archaeological sites data found for the PEL study include a number of sites with unknown NRHP eligibility. For the purposes of the PEL study, all sites with unknown NRHP eligibility were considered to be potential Section 4(f) resources. Future cultural resource surveys and Section 106 processes will be completed during the NEPA process for a range of reasonable alternatives and any resulting project areas, and those future studies and processes will find if these sites are NRHP-eligible.
- Archaeological sites are not Section 4(f) resources if the sites are important chiefly for the information they contain that can be retrieved through data recovery, if the property has minimal value for preservation in place, and if the Official with Jurisdiction does not object. Future cultural resource surveys and Section 106 processes will be completed during the NEPA process for a range of reasonable alternatives and any resulting project areas , and those future studies and processes will find if archaeological sites have important information fully retrievable through data recovery and have minimal value for preservation in place. For the purposes of the PEL study, all archaeological sites on, eligible for, or with unknown eligibility for the NRHP were assumed to be potential Section 4(f) resources.
- All potential Section 4(f) resources are recommended for avoidance from any PEL study alternatives. Section 4(f) resources will be refined after the conclusion of the PEL study, in NEPA, based on NRHP eligibility, proposed use of the resource, and OWJ coordination.

As listed in Section 3.3.1, research identified 240 previously recorded architectural resources within the ProPEL US 30 East study area, five of which are listed on the NRHP. The archaeological sites listed in Section

3.3.2 included two (2) potentially NRHP eligible sites and eighty (80) sites of undetermined eligibility within the ProPEL US 30 East study area. There are no archaeological sites currently listed in the NRHP in the study area. These historic resources are considered potential 4(f) resources for the purposes of this PEL study.

At this time, all potential Section 4(f) resources are recommended for avoidance from any PEL study alternatives.

3.5. SECTION 6(F)

3.5.1. METHODOLOGY

Section 6(f) of the Land and Water Conservation Act (LWCA) requires that the conversion of lands or facilities purchased with Land and Water Conservation Funds (LWCF) be coordinated with the National Park Service (NPS). The purpose of the LWCA is to help preserve, develop, and provide accessibility to outdoor recreation resources. It stipulates that any land acquired or developed with LWCF cannot be converted to another use other than public outdoor recreation unless replacement land of at least equal fair market value and reasonably equivalent usefulness is provided.

All Section 6(f) resources were identified within a one-mile buffer of the US 30 corridor, centered on the US 30 centerline (ProPEL US 30 East study area). Refer to the Environmental Constraints Report Map (Appendix A) for locations of Section 6(f) resources in the ProPEL US 30 East study area.

3.5.2. STUDY AREA SECTION 6(F) RESOURCES

Based on a review of the INDOT LWCF County Property List for Indiana there are two Section 6(f) properties in the study area: Jury Park and Morsches Park (see Table 3-11 above, and Appendix A pg. 5-29). These Section 6(f) properties are recommended to be avoided by PEL study alternatives.

3.4.3 MORSCHES PARK

Morsches Park in Columbia City is west of US 30 and SR 205, near the location of a proposed intersection improvement. The park's boundaries that were funded by LWCF were obtained from IDNR. It was found that the park's LWCF-funded boundaries cross and include US 30 and any improvements to US 30 in the vicinity of the park may result in a conversion of the Section 6(f) resource of Morsches Park. Any projects identified in this location at the completion of the PEL study should coordinate with IDNR Division of State Parks – Community Grants and Trails during NEPA to review alternatives and determine need for replacement of Section 6(f) property, if needed.

3.6. MINERAL RESOURCES/PETROLEUM WELLS

3.6.1. METHODOLOGY

Mineral Resource and Petroleum Well sites were located utilizing database information accessed through INDOT's Site Assessment and Management website, via the Red Flag Investigation MXD and database. Hazardous materials were identified within a half-mile of the existing US 30 corridor (ProPEL US 30 East study area) (see Appendix A pg. 57-81). See Table 3-13.

Table 3-13. Mineral Resources and Petroleum Wells

Type	Number
Petroleum Wells	38
Petroleum Fields	0
Surface Mines	1
Underground Mines	0

Source: INDOT Site Assessment and Management, RFI Investigation

3.6.2. STUDY AREA MINERAL RESOURCES AND PETROLEUM WELLS

There are thirty-eight (38) petroleum wells located within the study area. All wells are reported as plugged consistent with applicable plugging requirements. Evaluation of petroleum well properties will be conducted for the ProPEL US 30 East study alternatives, and for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

There is one mapped surface mine within the study area (see Appendix A). The surface mine in the study area is owned and operated by G and G Hauling and Excavating, Inc., located in Warsaw. G and G Hauling and Excavating produces sand and gravel for construction.

Evaluation of mine properties will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

3.7. AIR QUALITY

The Clean Air Act (42 USC § 7401), as amended, protects public health and welfare by monitoring and controlling air pollution and to support state and local governments with their air pollution prevention programs. The Clean Air Act requires the USEPA to establish National Ambient Air Quality Standards (NAAQS) for six common air pollutants, called criteria pollutants. Within the study area, Allen County was found in nonattainment of the 8-hour ozone standards (one of the criteria pollutants) in 2004, but was reclassified in 2017 as in attainment with a maintenance plan (IDEM, 2022). The maintenance plan was approved in 2019. Kosciusko, Marshall, and Whitley counties are in attainment of the NAAQS (IDEM, 2022; USEPA, 2022).

> Greenhouse Gases, or GHG, trap heat in the atmosphere and include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, nitrogen trifluoride, and sulfur hexafluoride (US EPA).

To improve public health and protect the environment, in January 2021 the Biden administration established Executive Order 13990 Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis (Office of the President). The executive order directs all executive departments and agencies to immedately review and take action to address the climate crisis. The US EPA's Inventory of US Greenhouse Gas Emissions and Sinks (1990-2019) finds that transportation is the largest single category of greenhouse gas (GHG) emitters in the United States (US EPA). In 2020, transportation compromised approximately 26% of the nation's GHG emissions. Roadway vehicles comprise approximately 83% of transportation GHG emissions.

Directed by *EO 13990*, the Council on Environmental Quality issued a notice of interim guidance, Guidance on Consideration of Greenhouse Gas Emissions and Climate Change, in January 2023 (Council on Environmental Quality). The guidance assists federal agencies in considering the effects of GHG emissions and climate change when evaluating major federal actions. The guidance states that agencies should consider the potential effects of a proposed action on climate change as well as the effects of climate on a proposed action and its environmental impacts.

As the ProPEL US 30 East study progresses, consideration will be given to integrating GHG factors into the study. This decision will be made in coordination with the FHWA.

3.8. NOISE

A *Noise-Sensitive Areas Identification Memoradum* was prepared for the ProPEL US 30 East study. The noise memo identifies potentially noise-sensitive land uses in the study area, including those with sufficient density such that noise abatement could be reasonable and feasible per INDOT’s 2022 Traffic Noise Analysis Procedure.

The *Noise-Sensitive Areas Identification Memorandum* identified twenty-four (24) noise-sensitive areas, with over 1,000 (one thousand) individual receptors. There are three noise-sensitive areas within the study area where the density of noise-sensitive receptors is low and noise abatement would be less likely. These three areas are not included in the “Areas for Further Investigation”shown in Environmental Constraints Maps in Appendix A.

The analysis conducted as part of the ProPEL US 30 East study is not to be used to determine noise impact or noise abatement locations in accordance with 23 CFR 772. Those activities would occur as part of the subsequent NEPA analysis associated with any future Type I projects in the ProPEL US 30 East study area.

3.9. HAZARDOUS MATERIALS

There are approximately 300 hazardous material sites located within the ProPEL US 30 East study area. Table 3-13 provides database information accessed through INDOT’s Site Assessment and Management website, via the Red Flag Investigation MXD and database. Hazardous materials were identified within a half-mile buffer of the existing US 30 centerline (ProPEL US 30 East study area). Hazardous materials sites are discussed below and shown in Environmental Constraints Mapping (Appendix A pg. 57-81):

Table 3-14. Identified Hazardous Materials Concerns

Type	Number	Type	Number
Brownfield Sites	5	Restricted Waste Sites	N/A
Corrective Action Sites (RCRA)	N/A	Septage Waste Sites	N/A
Confined Feeding Operations	N/A	Solid Waste Landfills	N/A
Construction Demolition Waste	N/A	State Cleanup Sites	4
Industrial Waste Sites (RCRA Generators)	18	Open Dump Sites	N/A
Infectious/Medical Waste Sites	N/A	Underground Storage Tanks	47
Leaking Underground Storage Tanks (LUSTs)	50	Voluntary Remediation Program	6
Manufactured Gas Plant Sites	N/A	Superfund	N/A
Institutional Controls Sites	14	Notice of Contamination	N/A

Source: INDOT Site Assessment and Management, Red Flag Investigation Databas

Brownfields

There are five brownfield sites located within the study area. Further evaluation of these brownfield sites will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

- **SR 13 & Market Gas Station (Market St & SR 13, Pierceton, IN):** This site was originally a gas station. Soil contamination was discovered, and a clean-up was performed including pre and post testing of soils. A Senior Center has been constructed on the property. It is unclear why a No Further Action (NFA) letter was never issued and/or why construction was allowed to proceed. No Environmentally Restrictive Covenant exists on the property.
- **Drudge Screw Products (332 E Bell Dr, Warsaw, IN):** Complaint of machine oil being dumped on the property 5/3/1995. A state investigation was completed and the company confirmed the machine oil had been properly absorbed and disposed of off-site. A request for assistance was filed in 2000 before sale of Drudge Screw Company. A Phase 1 Environmental Site Assessment (ESA) was completed on 10/31/2000. The client was made aware that leaks had been recorded from fuel tanks next door from the Ryder Truck Rental Company, and that no contamination was found on this property.
- **Warsaw Chemical Company Inc (390 Argonne Rd, Warsaw, IN):** A Brownfield Assistance Request was filed to assist with groundwater contamination clean-up 12/27/2017. The following chemicals were found to be present: chlorinated VOCs – tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1 trichloroethane (1,1,1-TCA), cis-1,2-dichloroethene (cDCE), trans-1,2 dichloroethene (tDCE), 1,1 dichloroethene (1,1-DCE) and vinyl chloride (VC). In addition, aromatic and polynuclear aromatic hydrocarbons (Petroleum Compounds) are also present in site groundwater. The aromatic hydrocarbons include trimethylbenzenes, xylene isomers, toluene, propyl- and butyl- benzenes; naphthalene appears to be the primary polynuclear aromatic hydrocarbon (PAH) in groundwater. These compounds are the Site's Constituents of Concern (CoCs). A Brownfield Remediation Work Plan was filed on 10/26/2021. Ongoing remediation underway on the property as of 11/30/2022.

- **Fort Wayne Foundry (2300 E Cardinal Dr, Columbia City, IN):** Brownfield Application/Request: The facility is a conditionally exempt small quality generator (CESQG) as of 2/12/2017. It was formerly a large quantity generator (LQG). The facility is listed as Advanced Material Development LLC in TEMPO. Previous inspection performed in 2012. No violations noted after the facility received its Brownfield designation on 4/26/2018.
- **Dana Coupled Products Division (2651 S CR 600 E, Columbia City, IN):** Groundwater and well monitoring and air sampling report completed in 2022. Final determinations and course of action are still under review as of November 2022.

Leaking Underground Storage Tanks (LUSTs)

There are 50 LUST facilities within the study area. Nearby LUST facilities have the potential to negatively impact soil, groundwater, and/or utilities. Further evaluation of these LUST sites will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

State Cleanup Sites

There are four State Cleanup sites within the study area. Further evaluation of these state cleanup sites will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

- **Viking Incorporated (2749 E Business 30, Columbia, IN)**: Two 20,000 gallon tanks were removed during UST closures. During the closure process contamination in soil was detected due to equipment failure. An on-site land treatment cell remediation plan was approved and implemented. The most recent correspondence indicates that soil contamination is still above the IDEM cleanup goals for TPH in soil. Available documentation suggests on-site remediation is still active.
- **Warsaw Deli (3589 Commerce Dr, Warsaw, IN)**: Documentation suggests USTs were removed but site contamination and closure status is unknown.
- **Lewis Oil Incorporated (714 North Detroit St, Warsaw, IN):** Soil and groundwater contamination from petroleum release from bulk oil storage facility. Recent documentation suggests the site remains in cleanup status.
- **Iron Cross Trucking, (Columbia City, IN):** Approximately 300 gallons of waste oil released in 2004. Documentation in 2007 indicates not all cleanup requirements have been met. No additional information is provided after January 2007.

Industrial Waste Sites (RCRA Generators)

There are eighteen (18) hazardous waste generators within the study area. VFC records for these facilities were searched and none of these facilities appear to be in Resource Conservation and Recovery Act (RCRA) Corrective Action. Further evaluation of these properties may be warranted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

Underground Storage Tanks (USTs)

There are forty-seven (47) registered UST sites within the study area. Further evaluation of these UST sites will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

Voluntary Remediation Program (VRP)

There are six VRP sites within the study area. Further evaluation of these VRP sites will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

Institutional Control (IC) Sites

There are fourteen (14) IC properties within the study area. Nearby IC properties have the potential to negatively impact soil, groundwater, and/or utilities. Eleven of the 14 sites have NFA or Closure documentation. The three remaining sites did not have No Further Action letters granted and are identified below. All IC sites are shown in the Environmental Constraints Map (Appendix A). Further evaluation of these IC sites will be conducted for a range of reasonable alternatives and any resulting project areas will occur during NEPA.

- **Former Gatke Dump (Wooster Rd, Winona Lake, IN):** Metals contamination in the soils. IC control mechanisms include: Paved or Concrete Cap; Agricultural or Food Crop; Excavation Notice Required; Restricted Excavation Area.
- **Freedom Express 5 (409 Argonne Rd, Warsaw, IN):** Contaminants of concern include: PAH - Polynuclear Aromatic Hydrocarbons; VOCs - Volatile Organic Compounds. Affected media is groundwater and soil vapor. IC control includes ground water use restriction.

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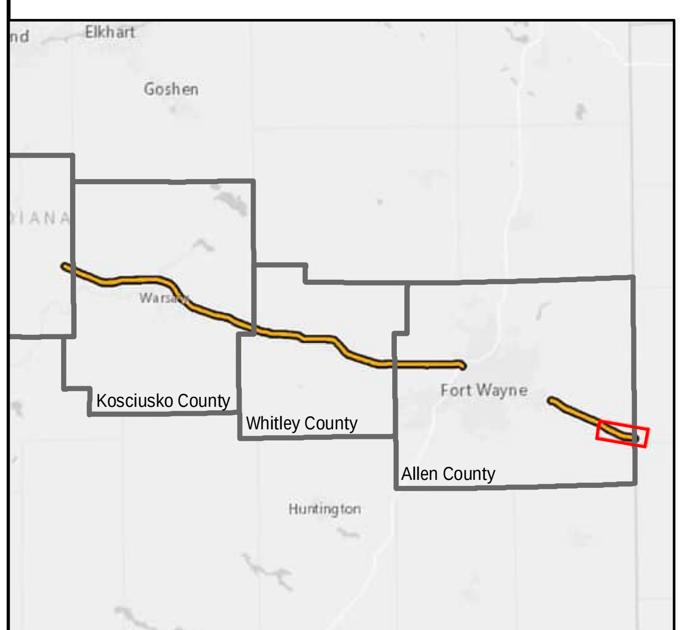
Appendix A

Exhibits

Environmental Constraints Maps
Project Location Map



Legend

- Study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries

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Project Location Map

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Environmental Constraints Maps
Community Resources Series

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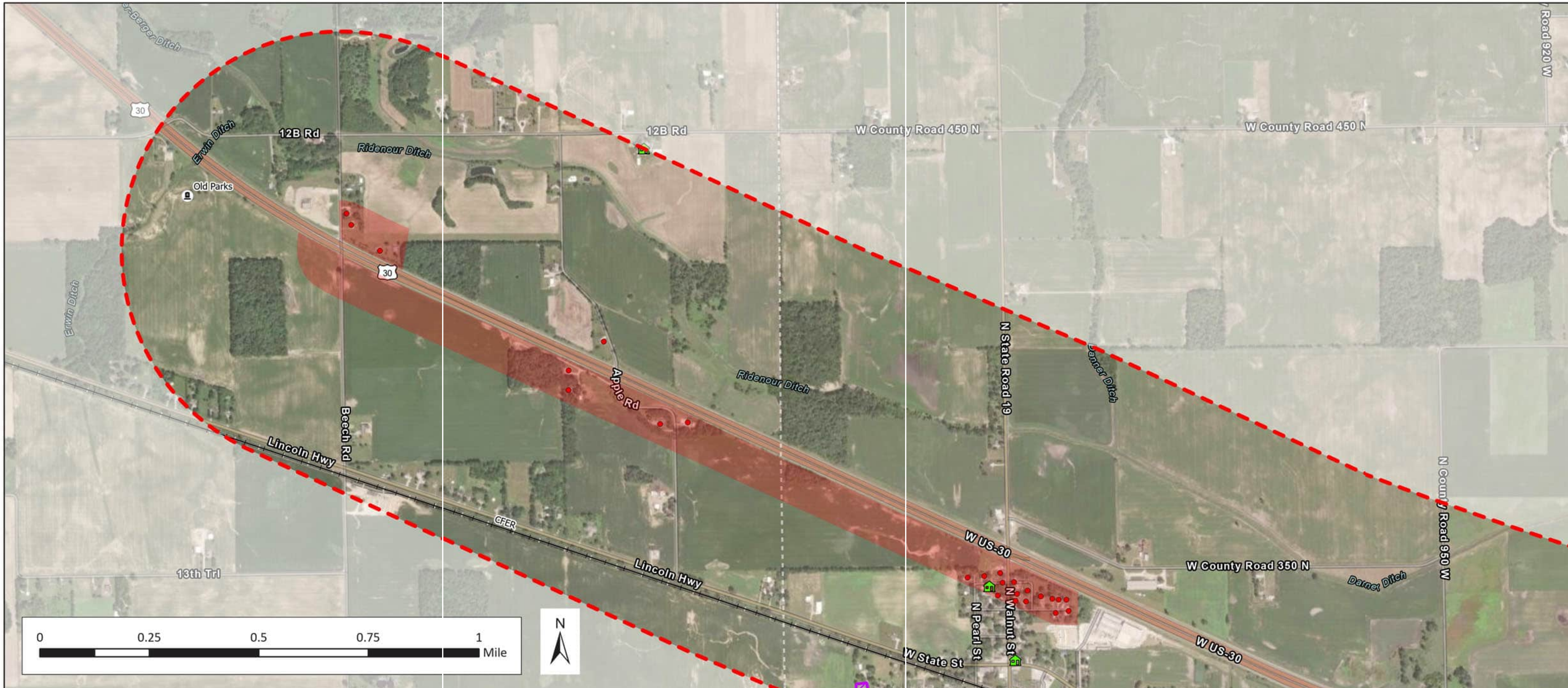

Legend

- Study area
- Library
- Medical Services
- Social Services
- HUD Subsidized Housing
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Noise Receptor Category

- B
- C
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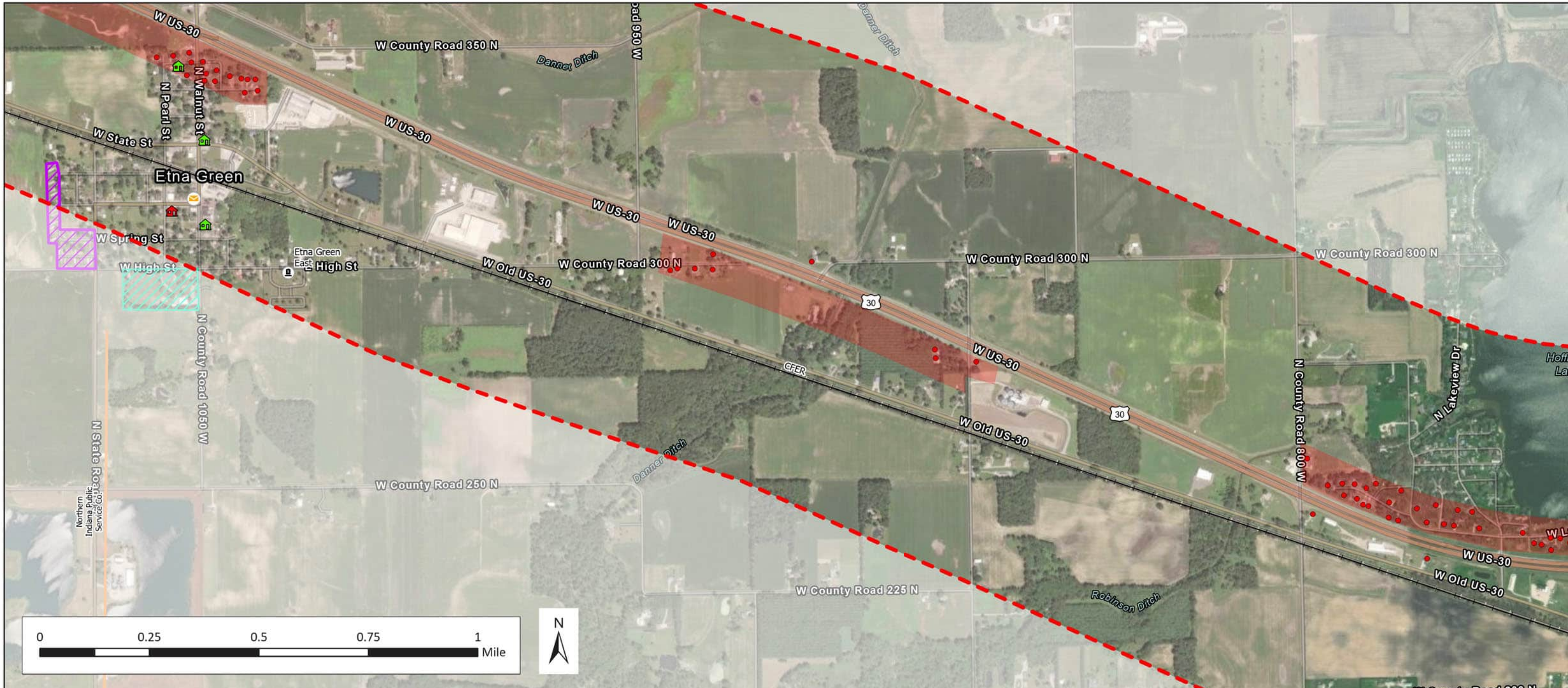

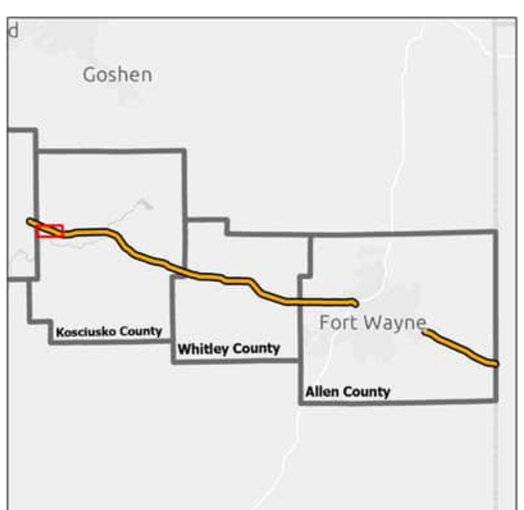

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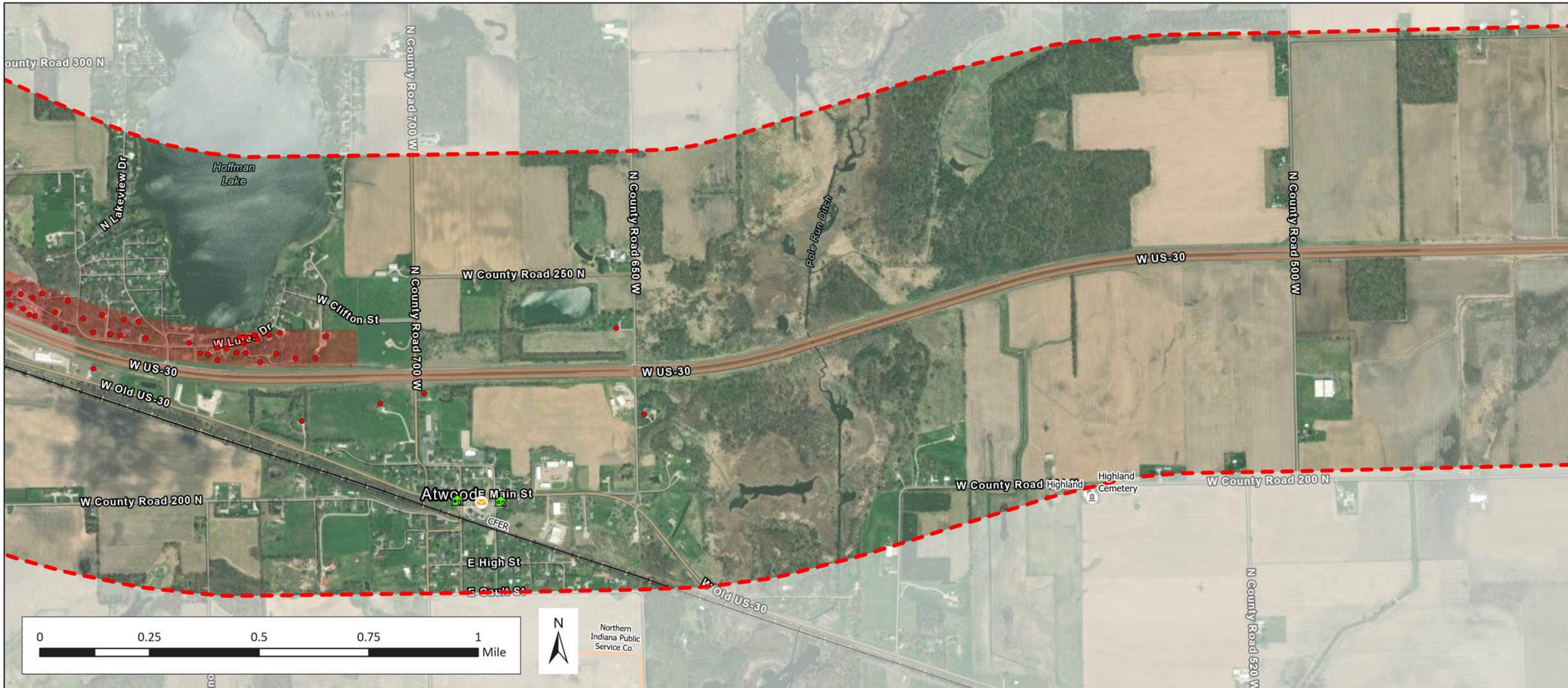

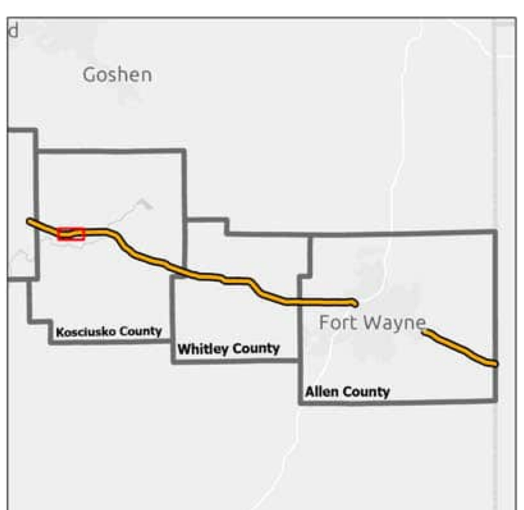

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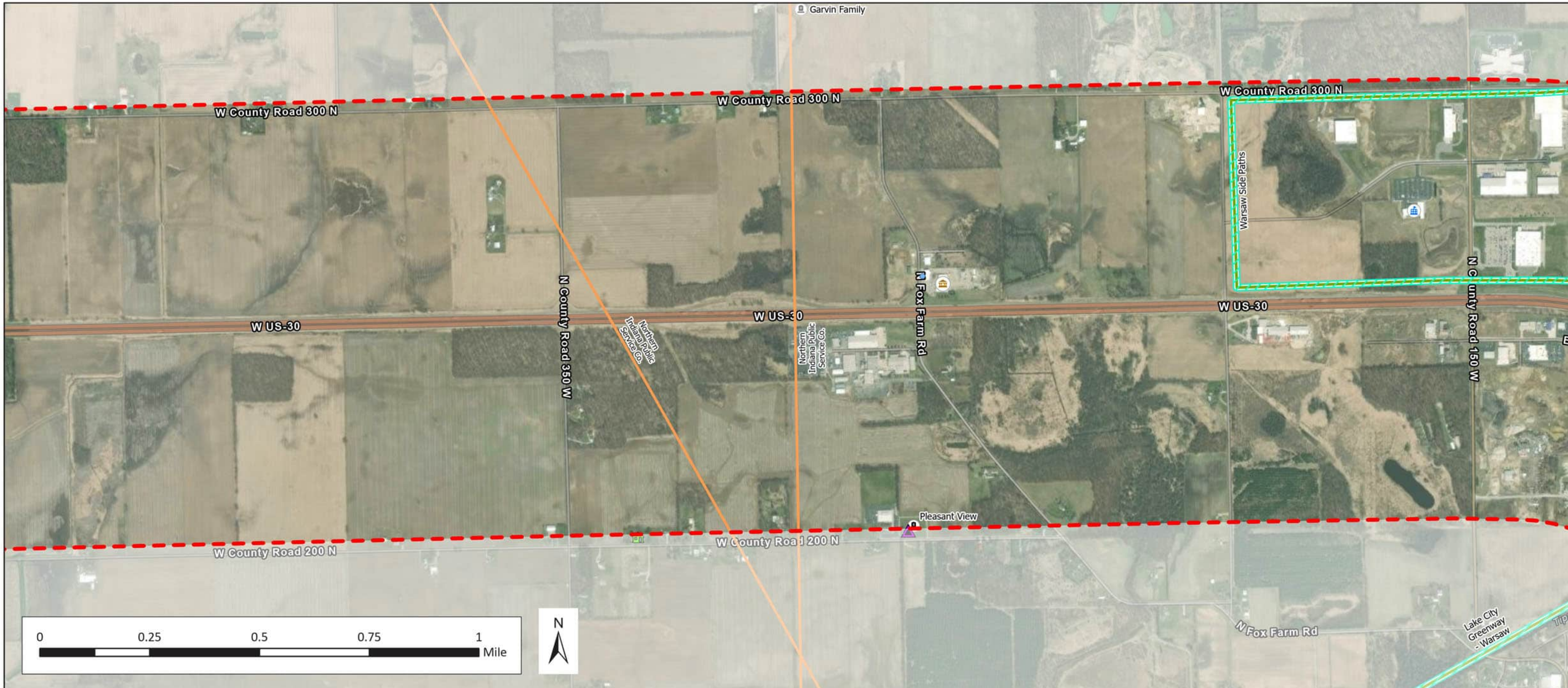

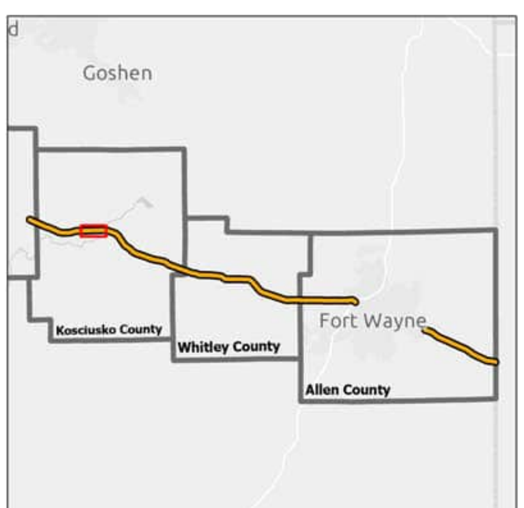

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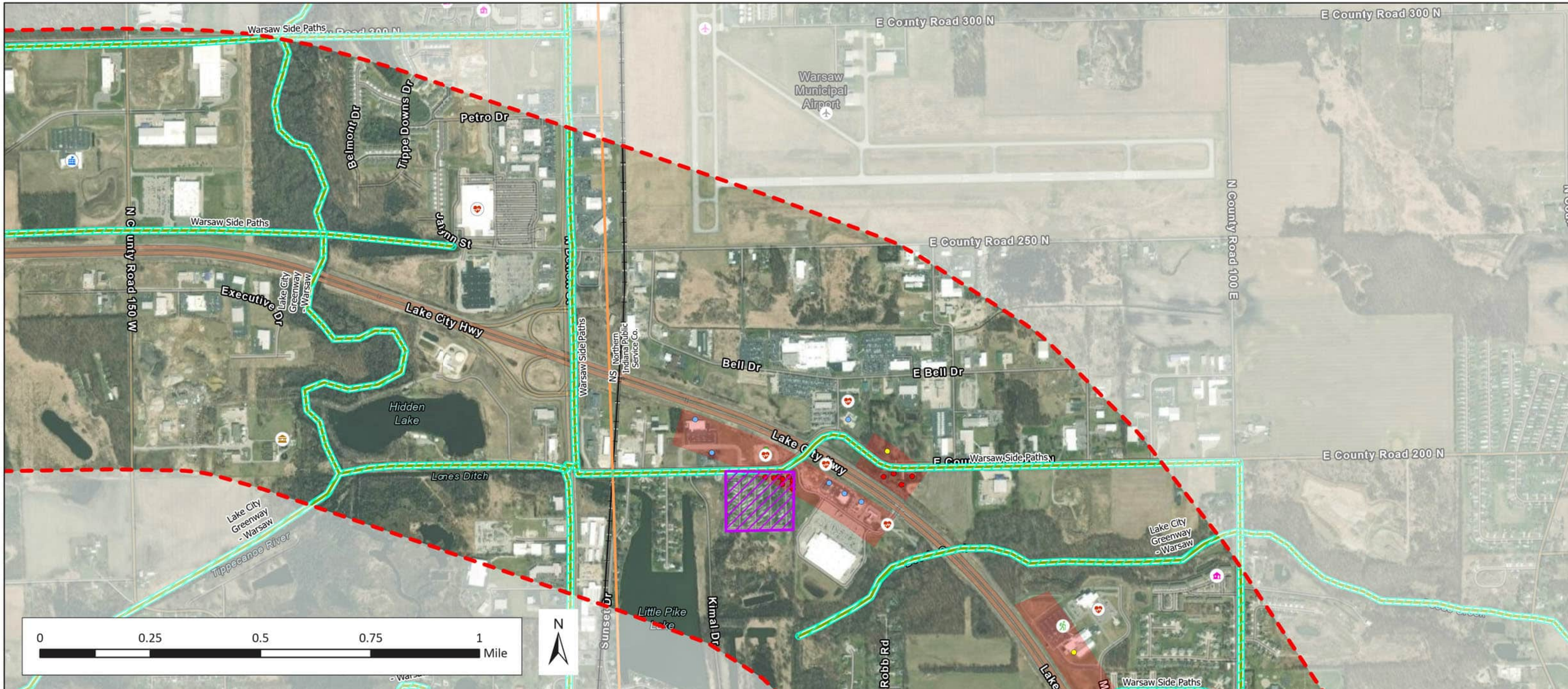

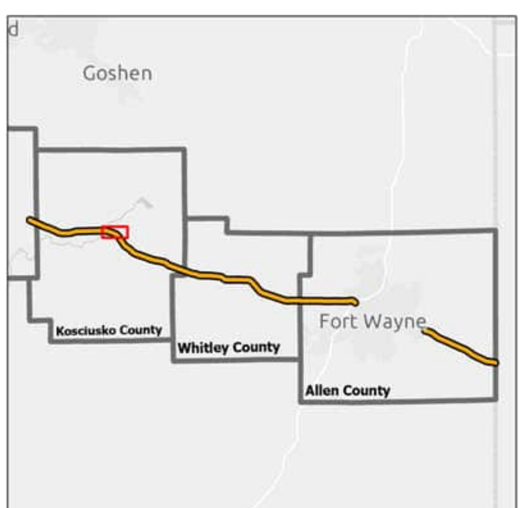

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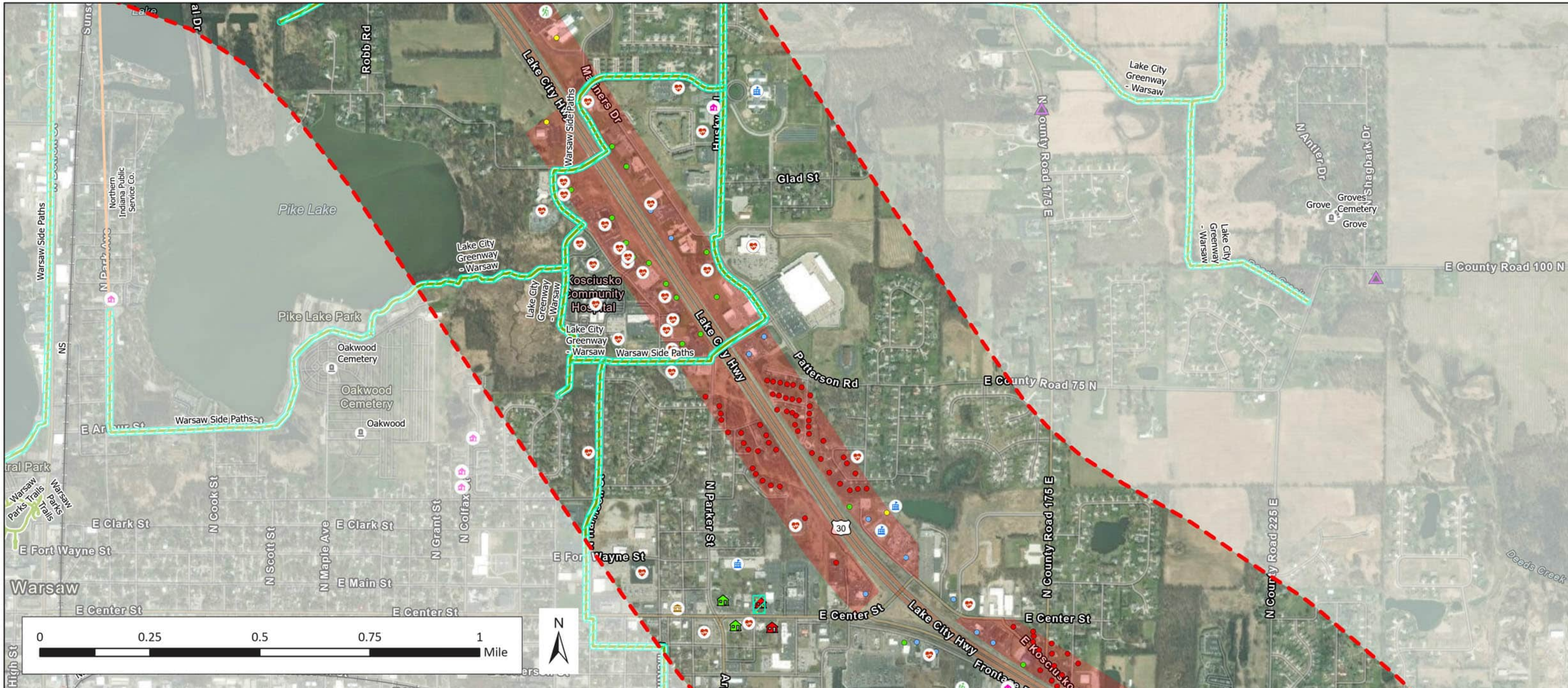

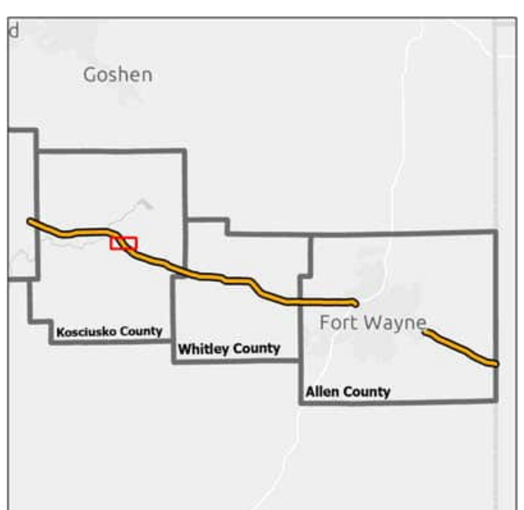

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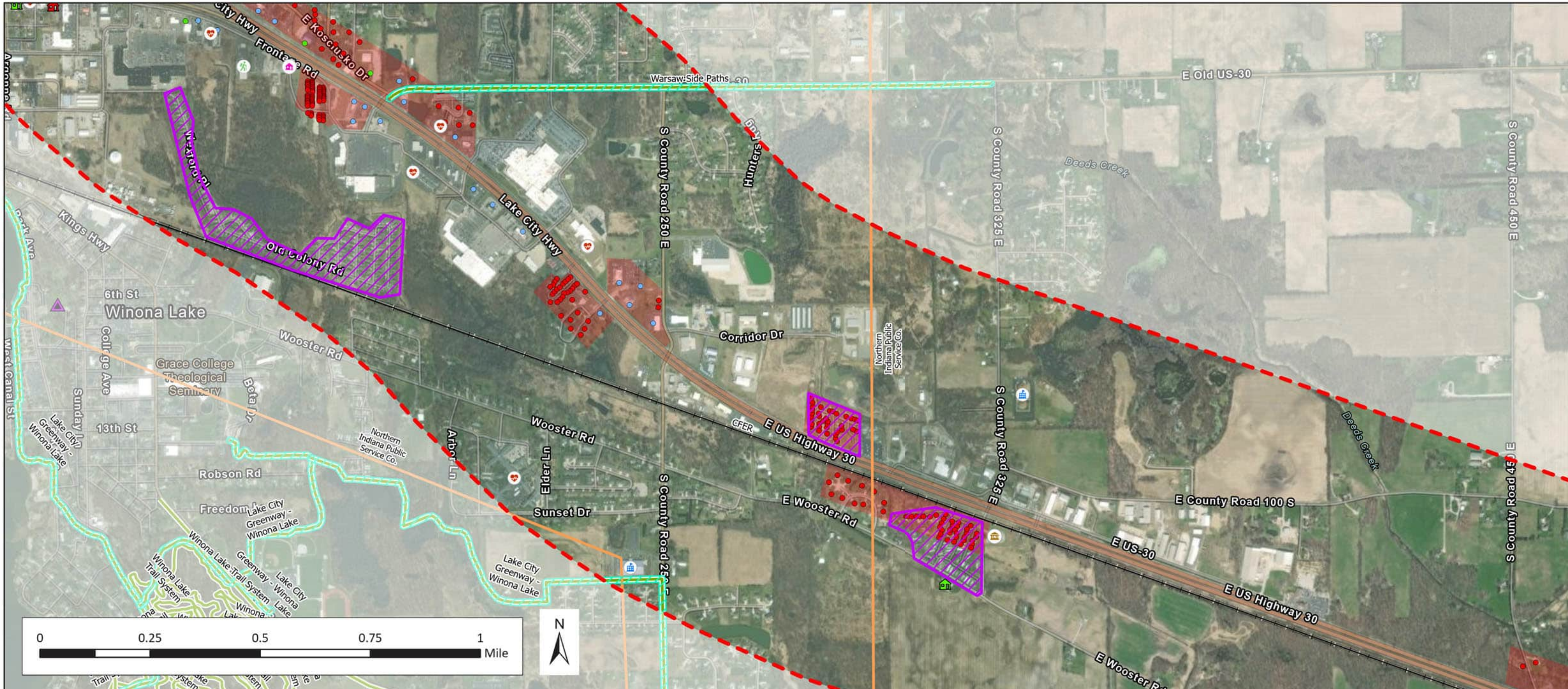

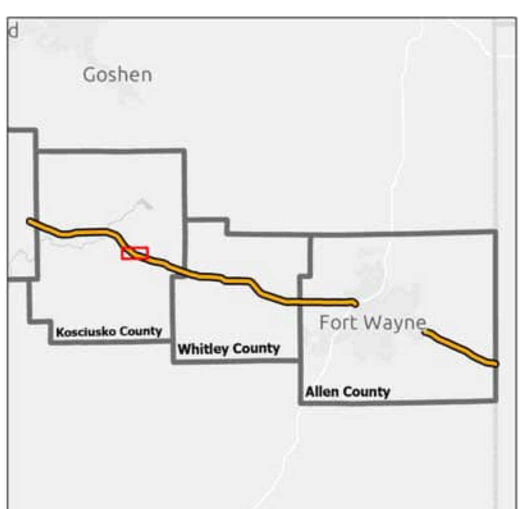

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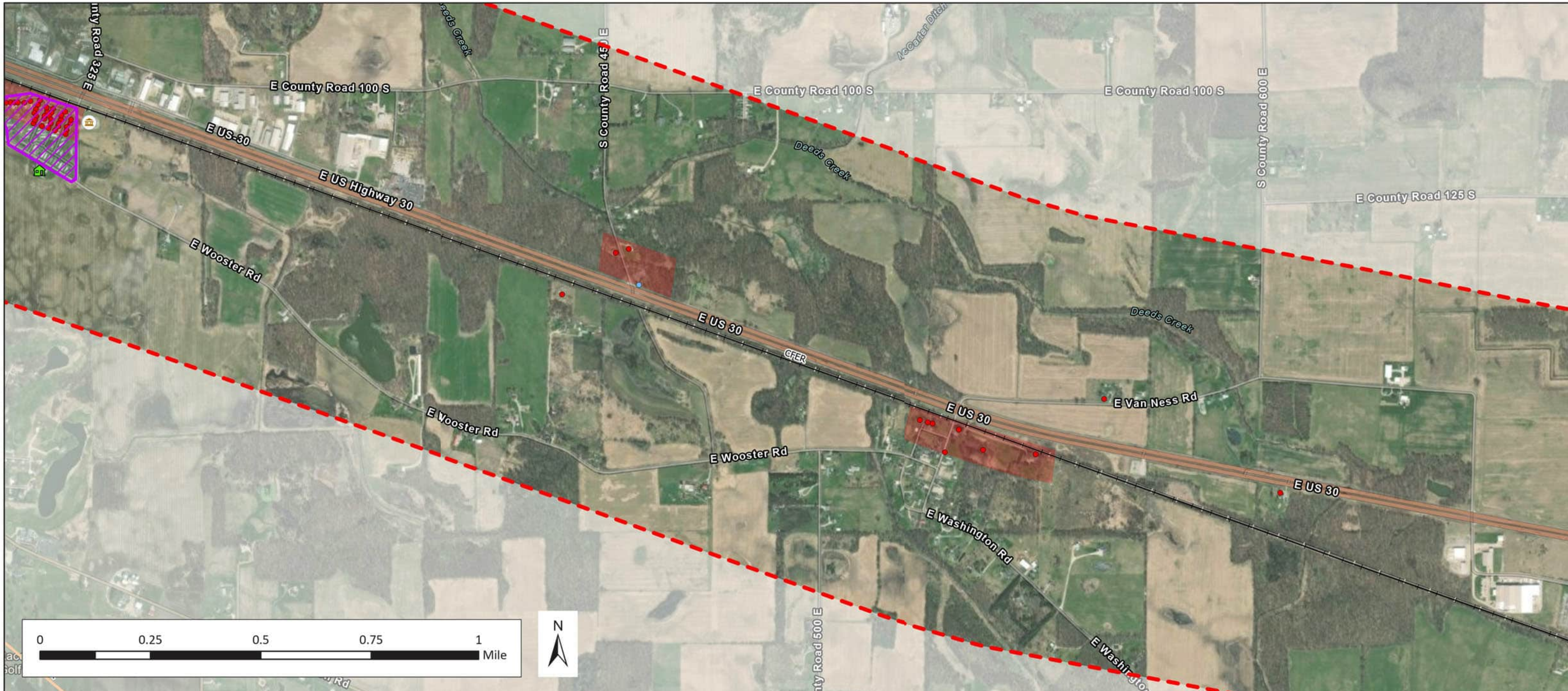

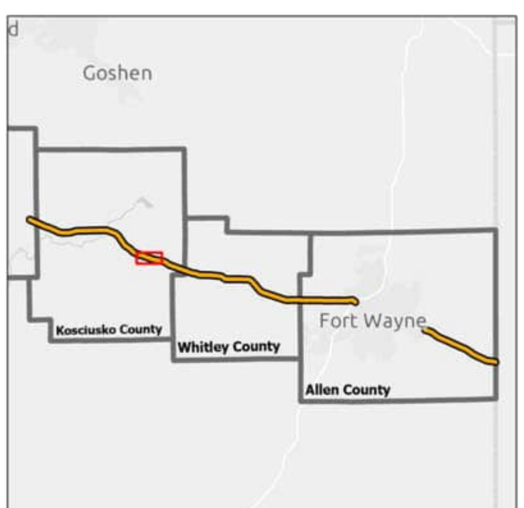

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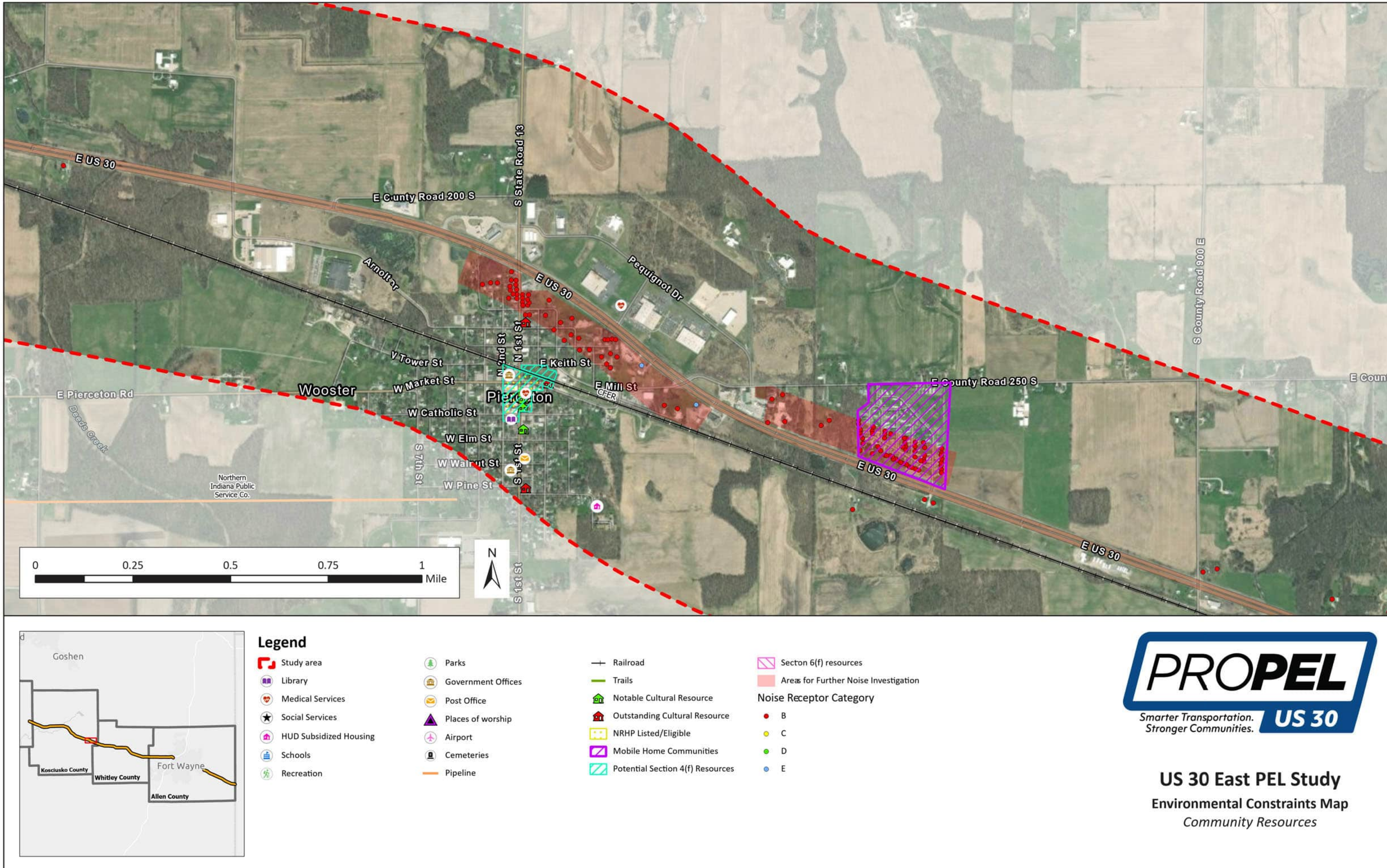

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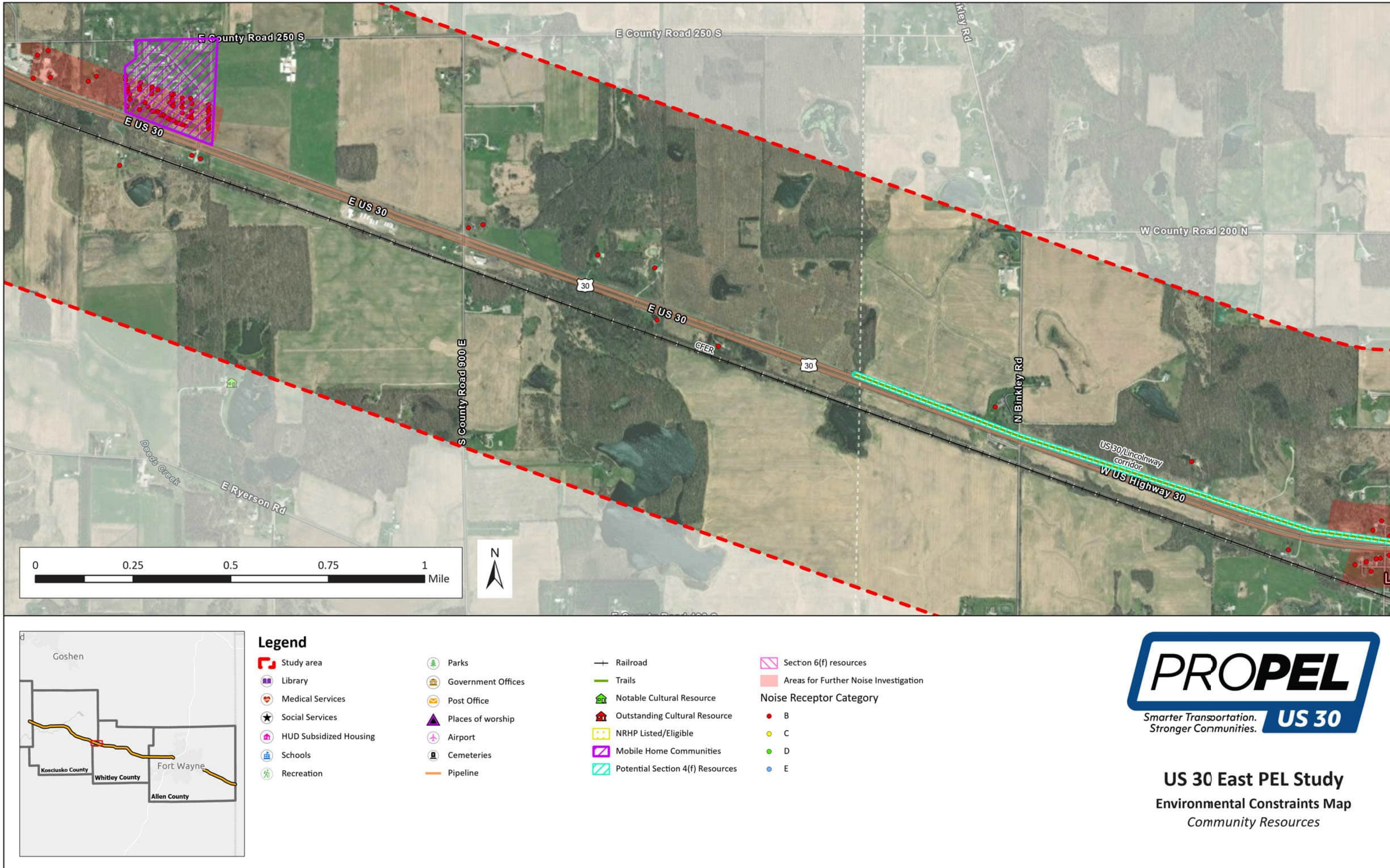

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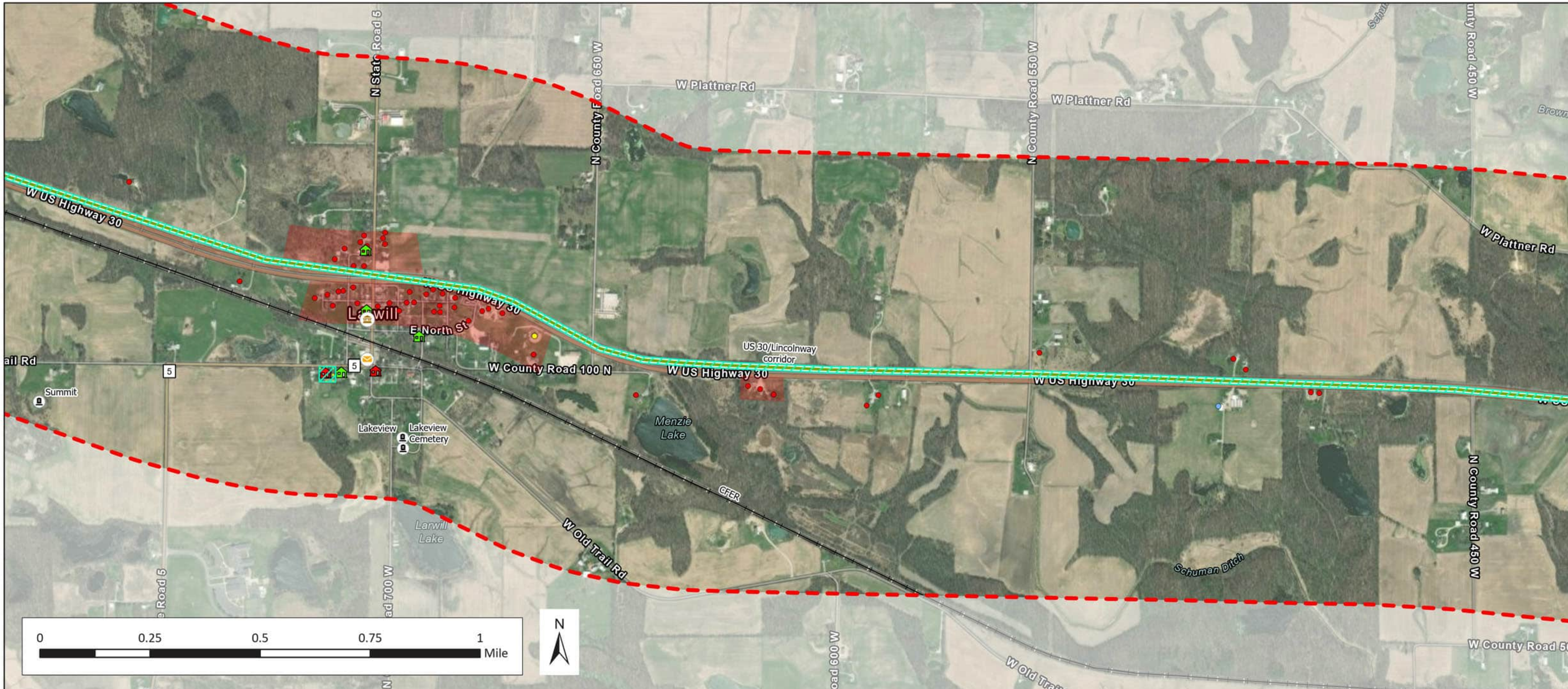

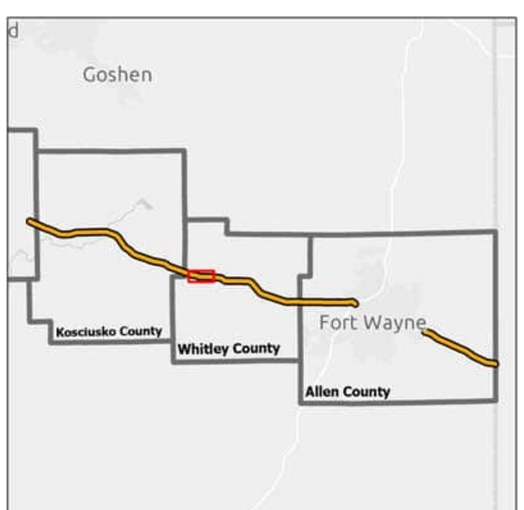

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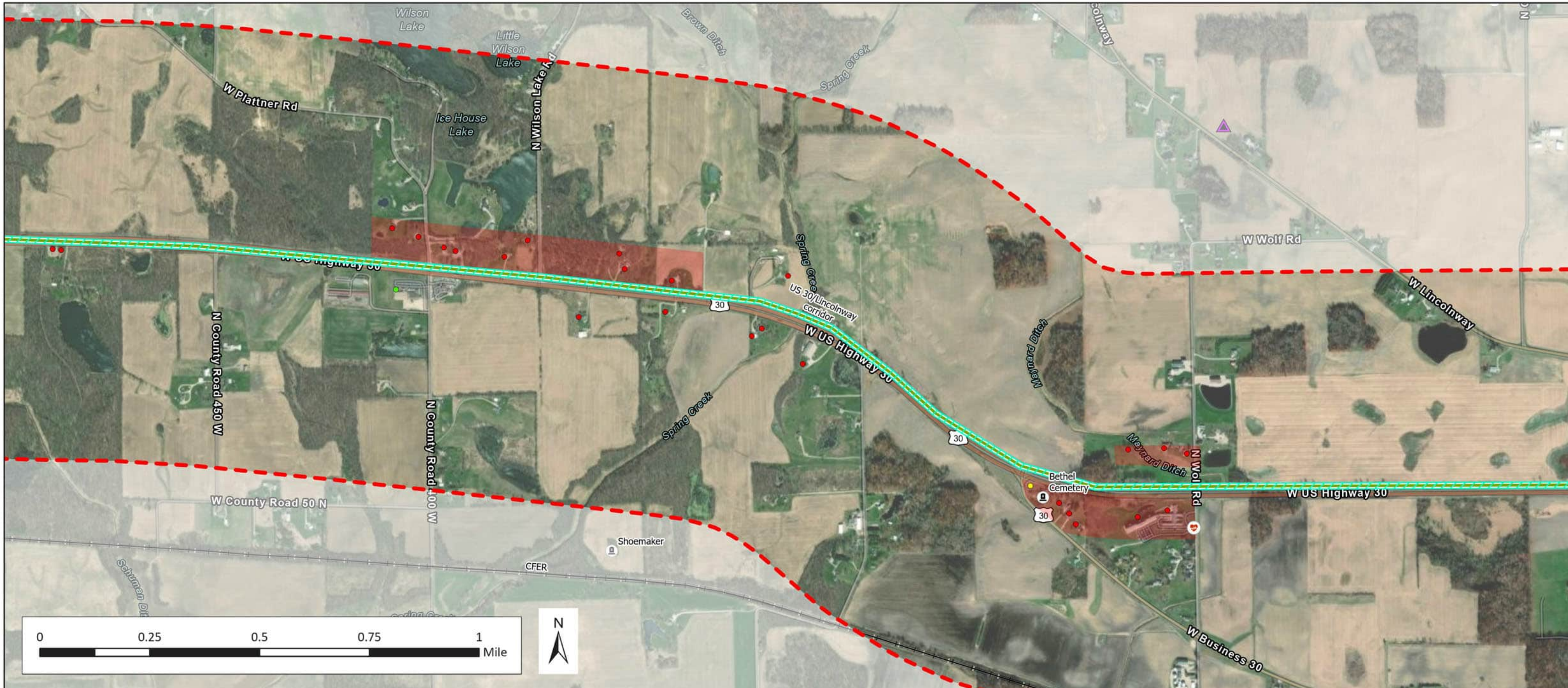

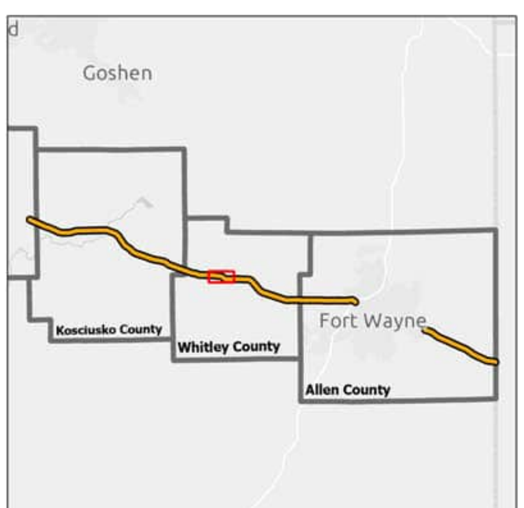

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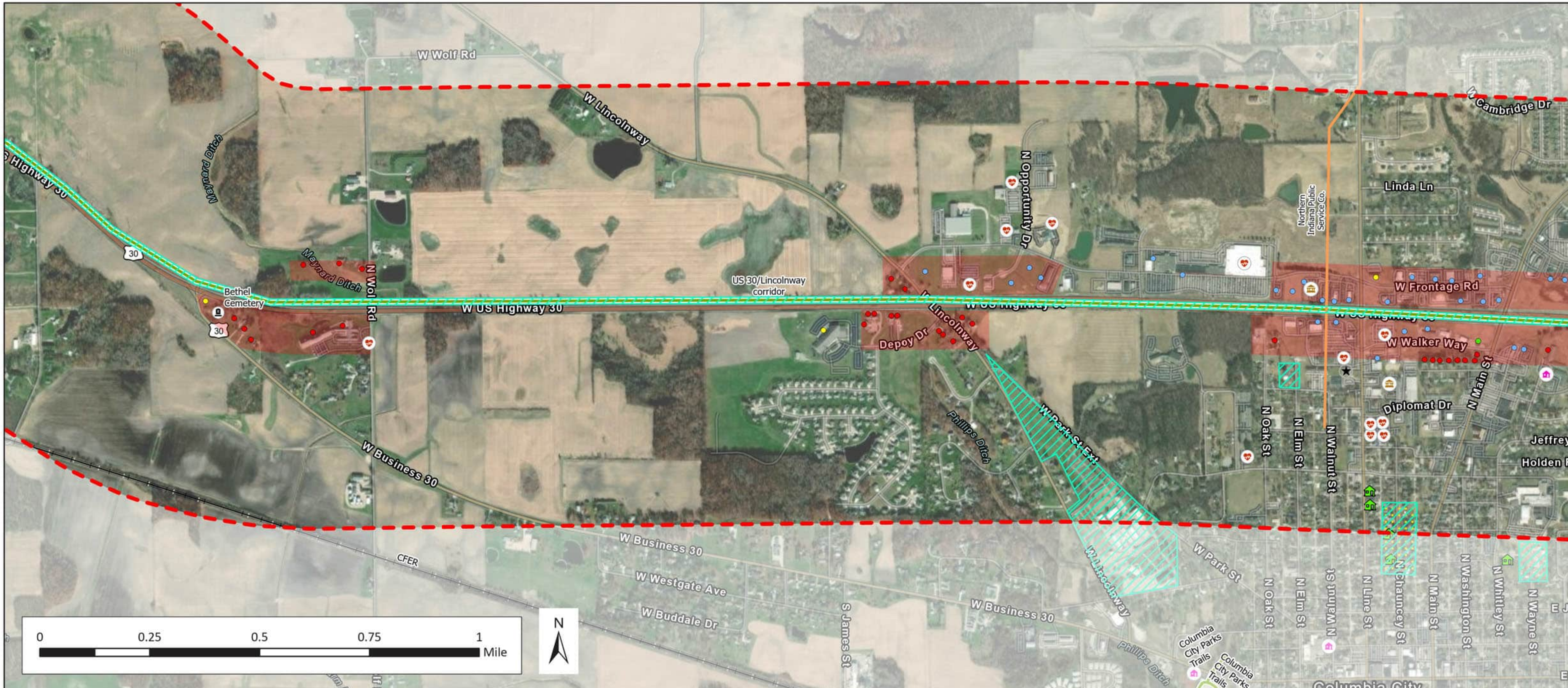

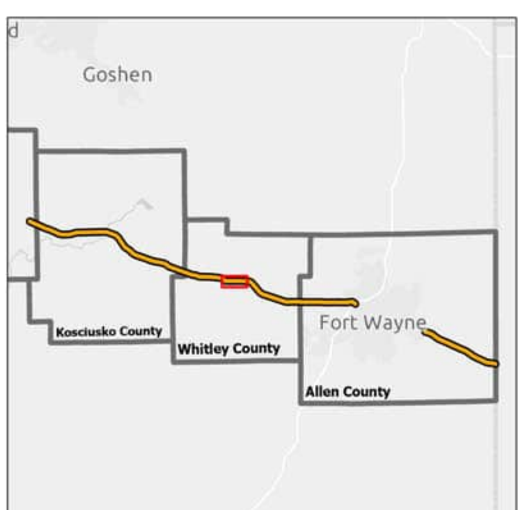

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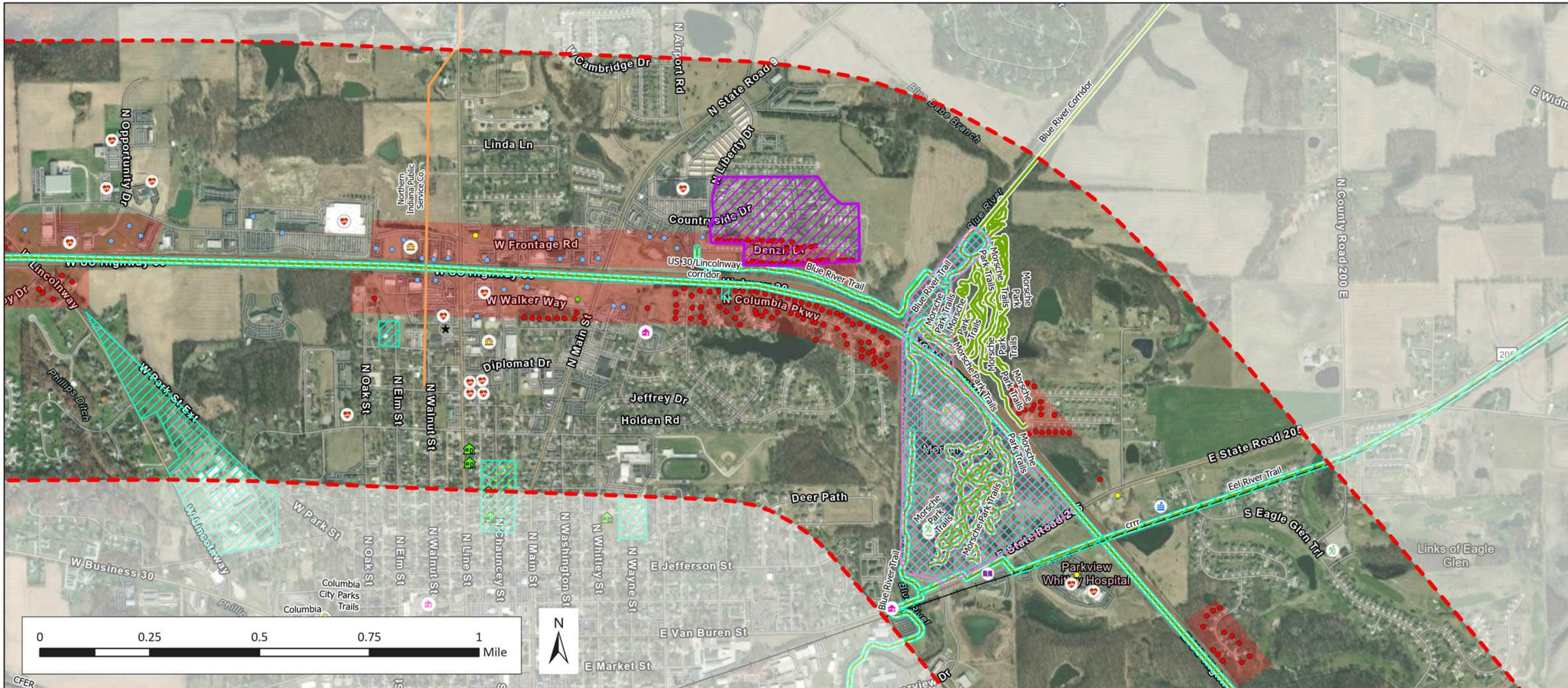

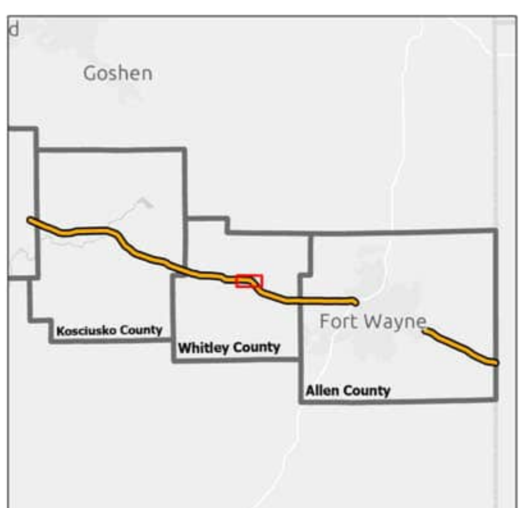

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- Section 6(f) resources
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Noise Receptor Category

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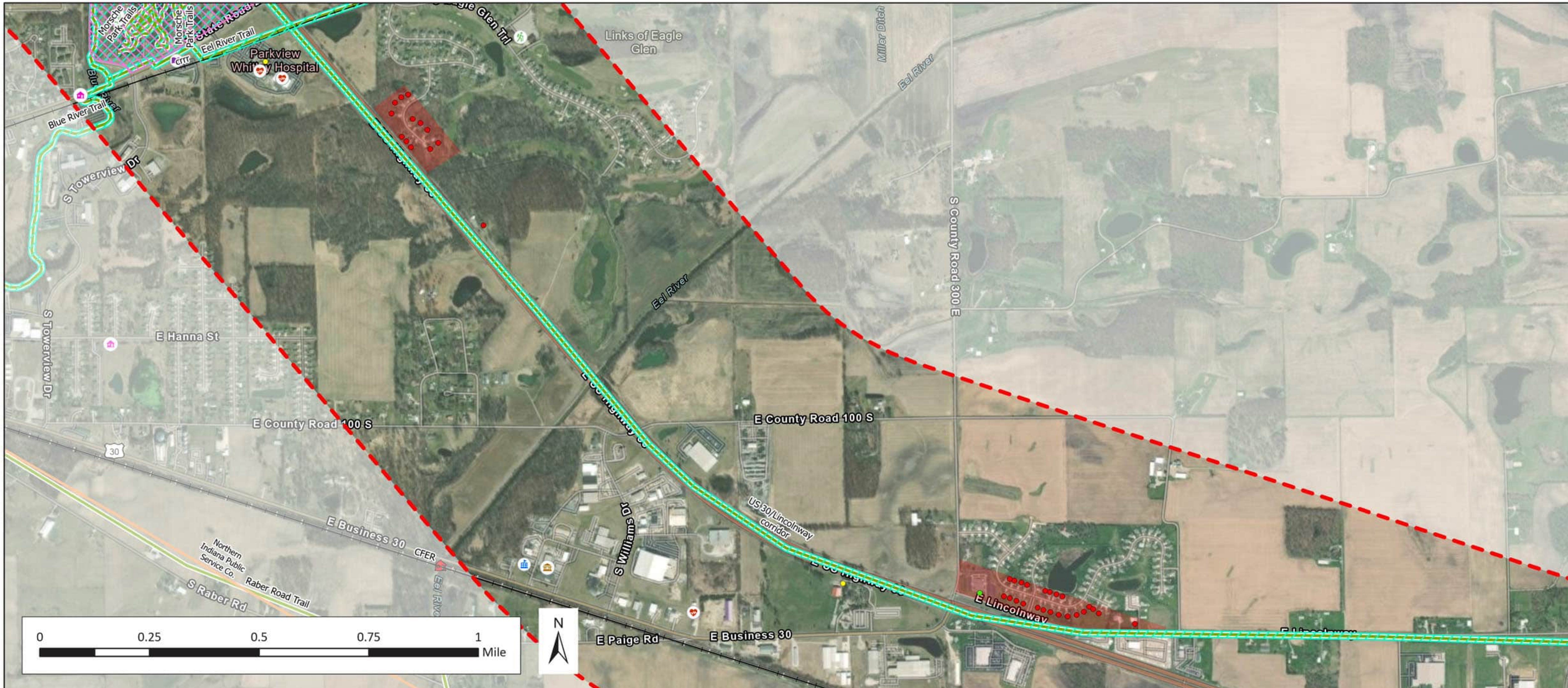

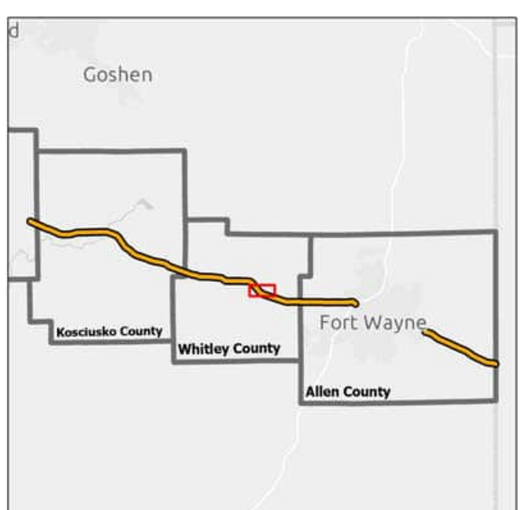

Legend

- Study area
- Library
- Medical Services
- Social Services
- HUD Subsidized Housing
- Schools
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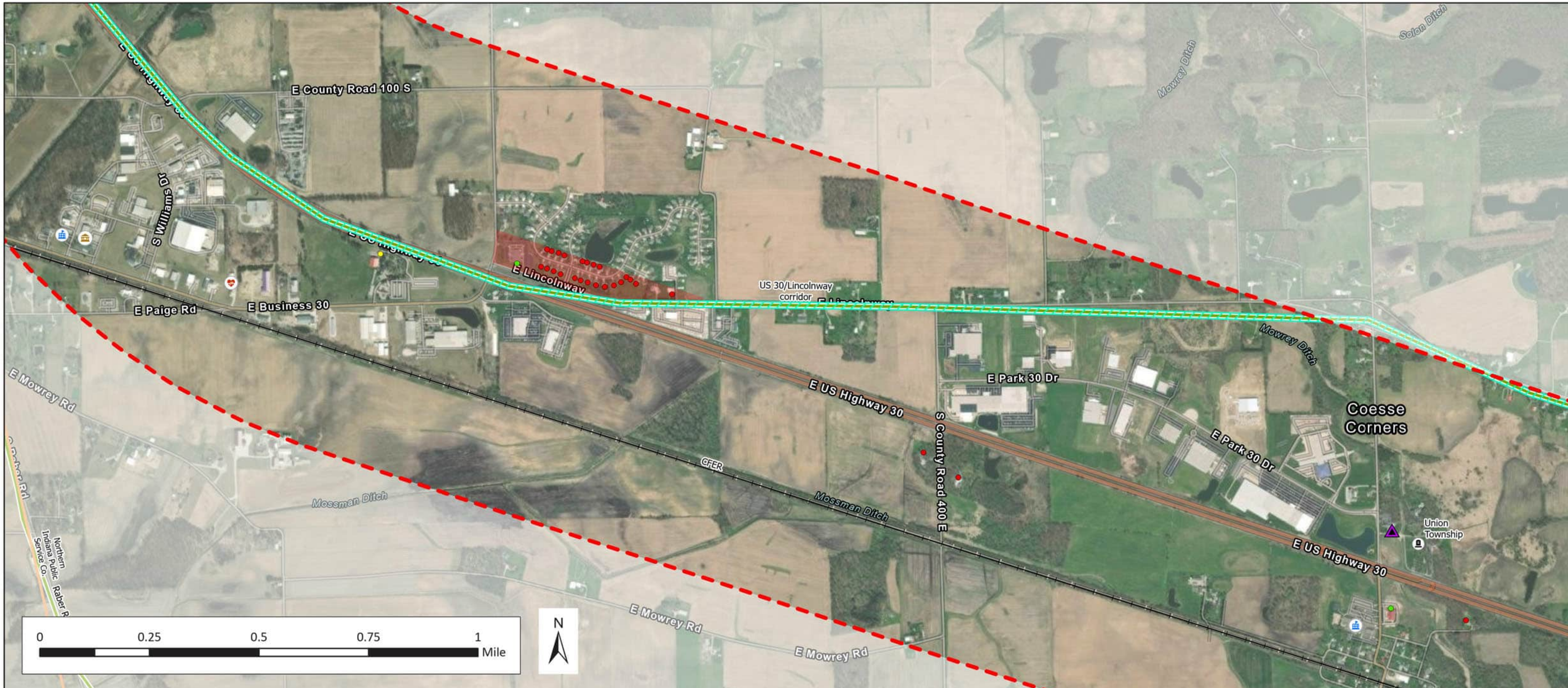

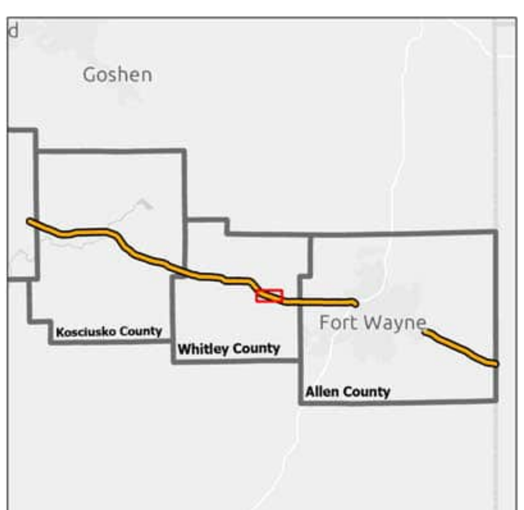

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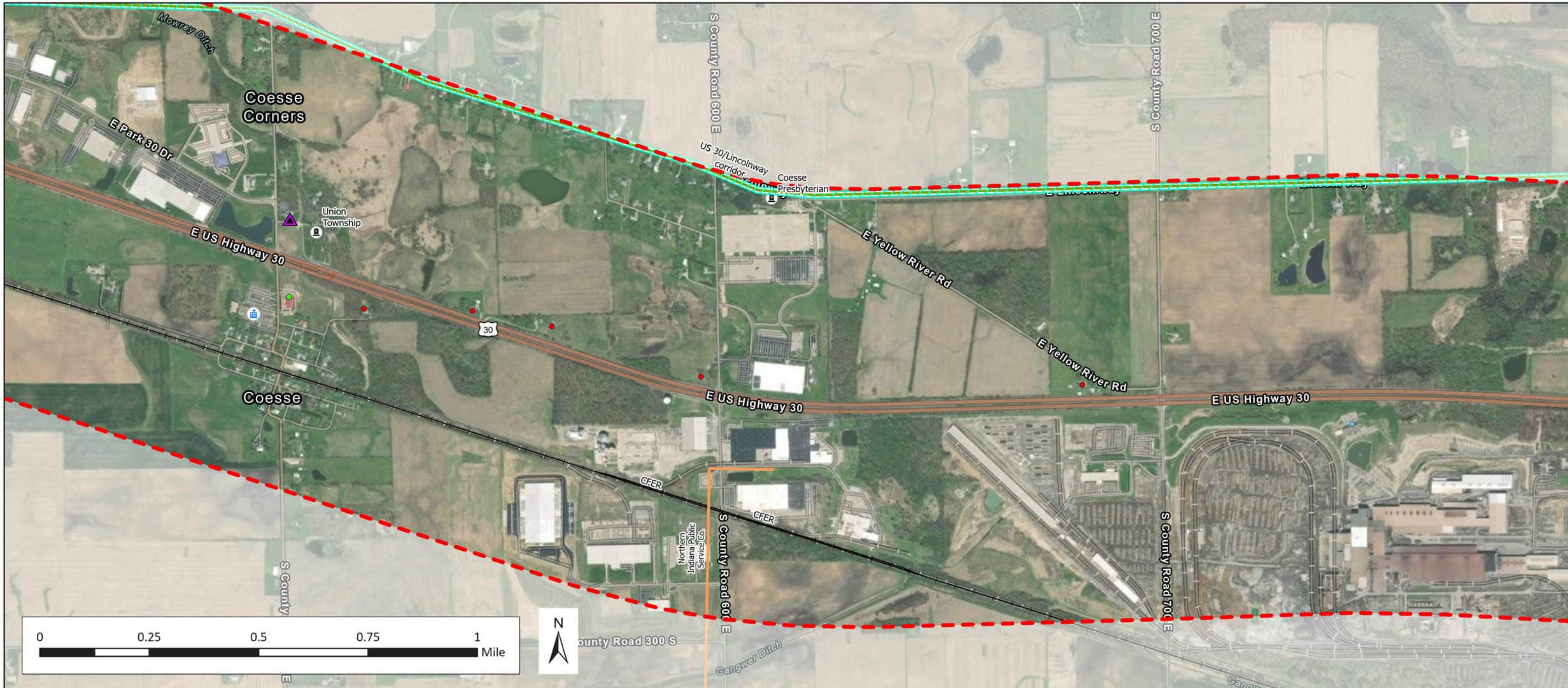

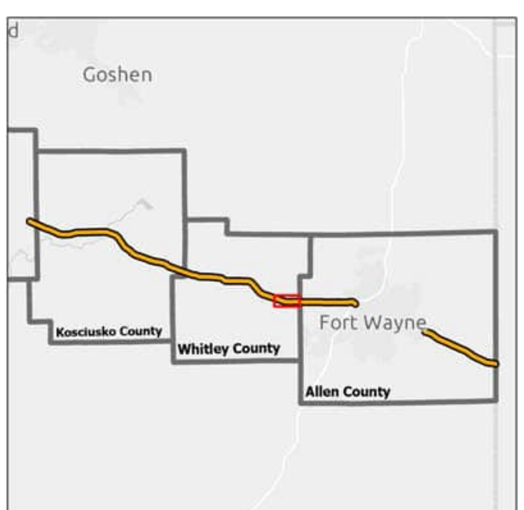

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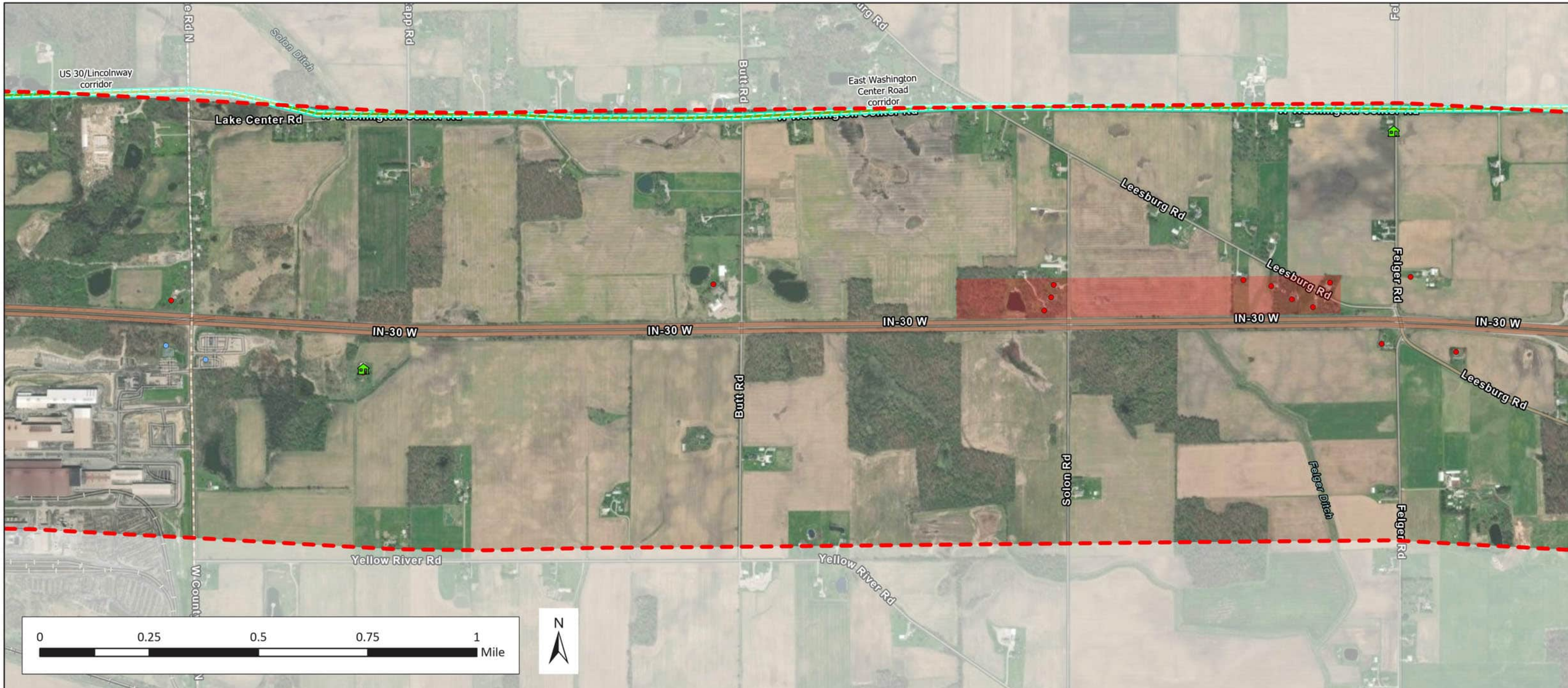

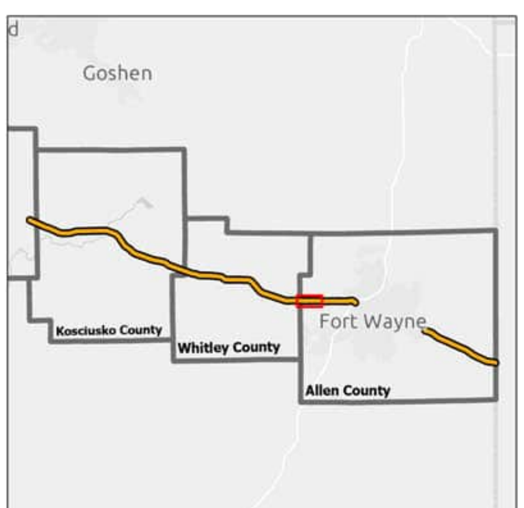

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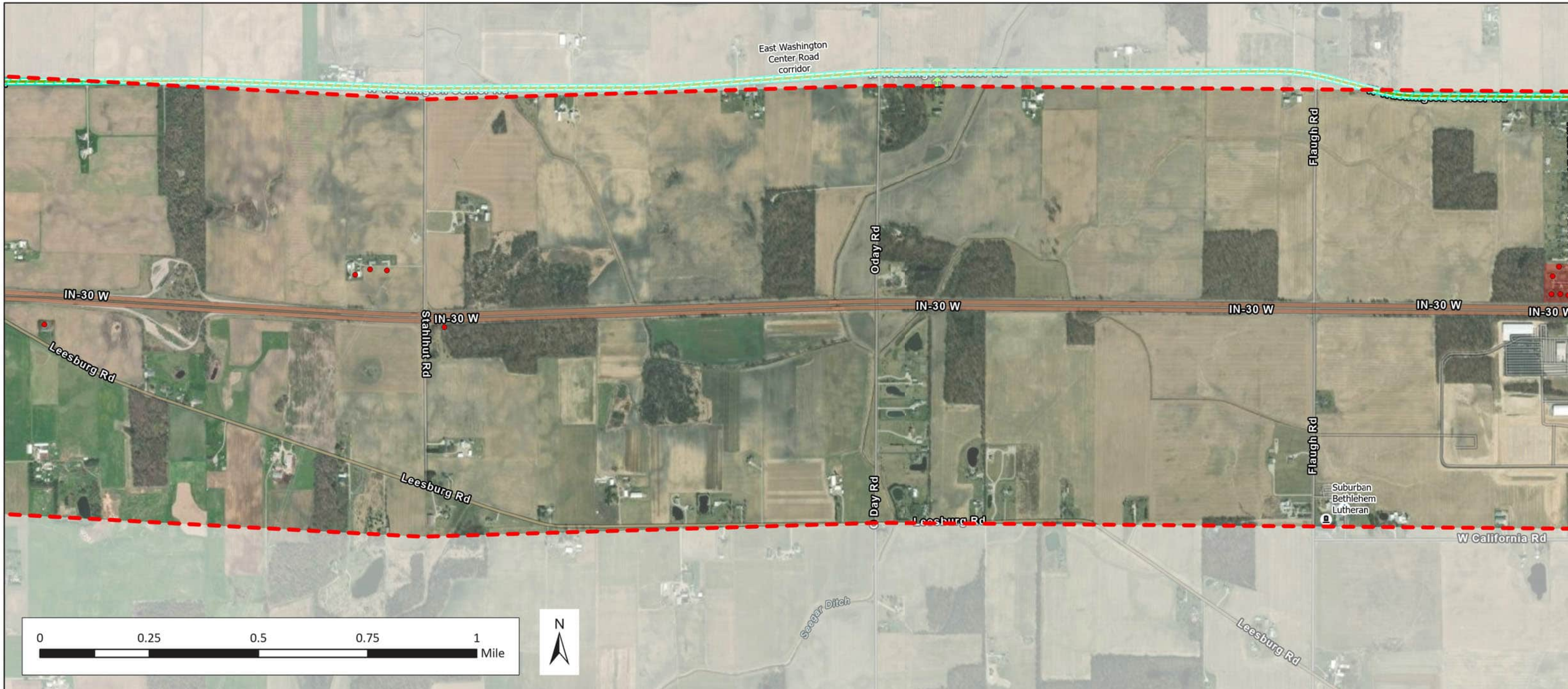

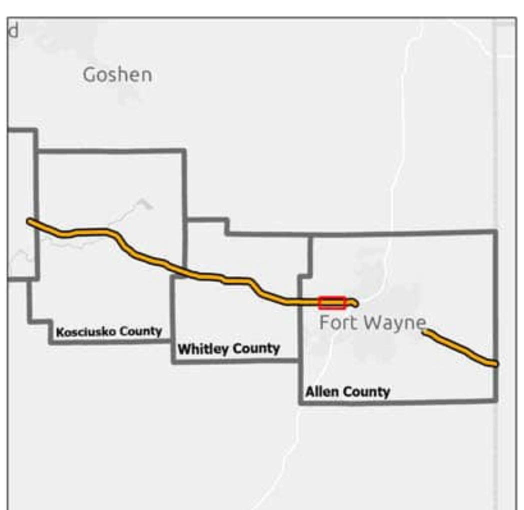

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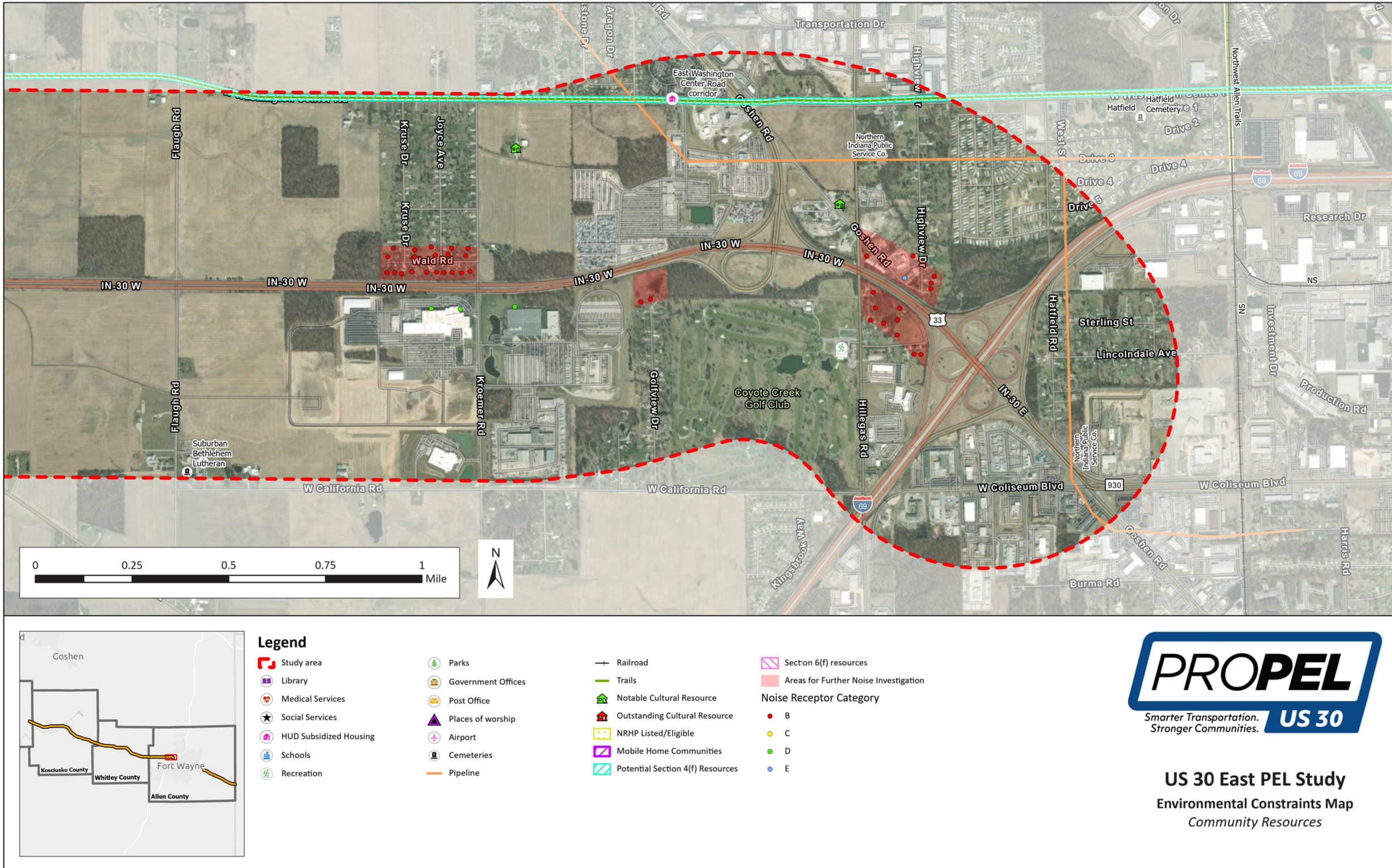

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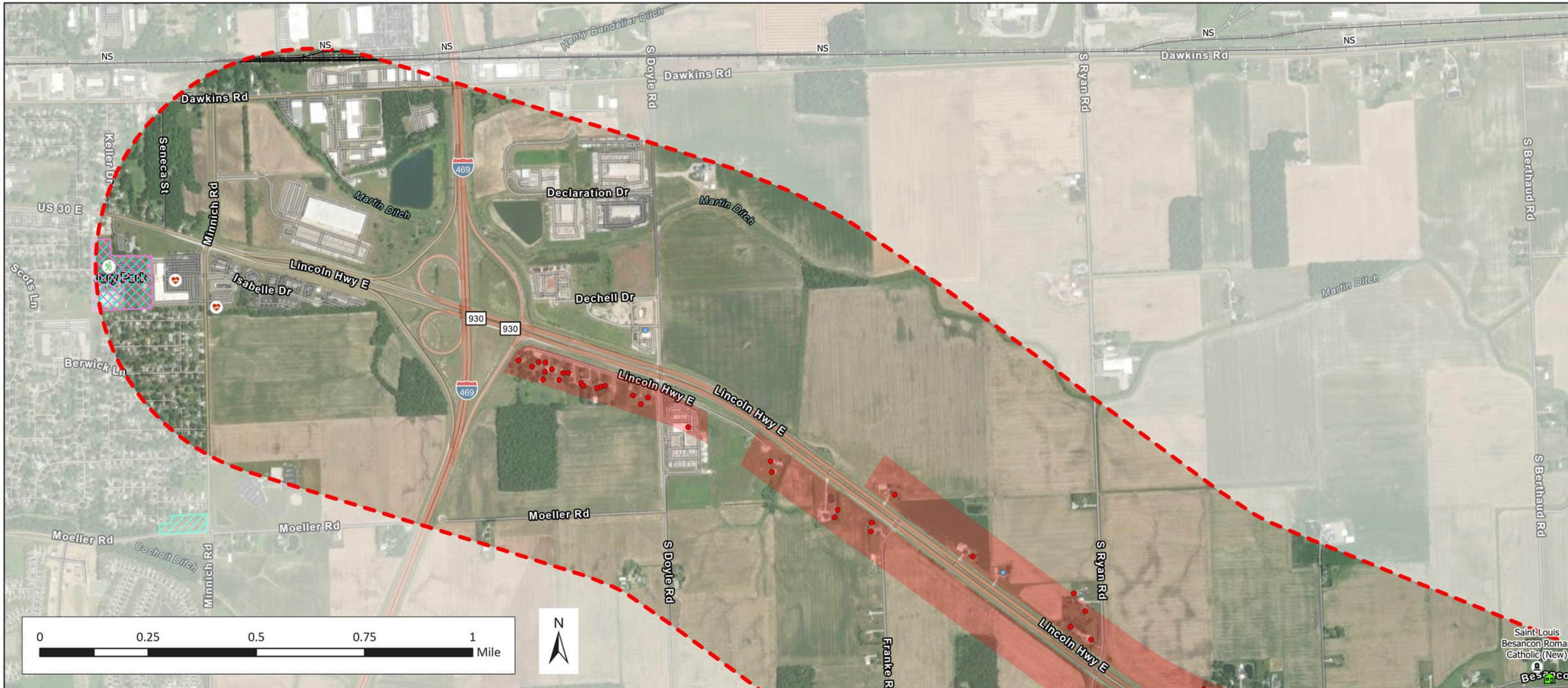

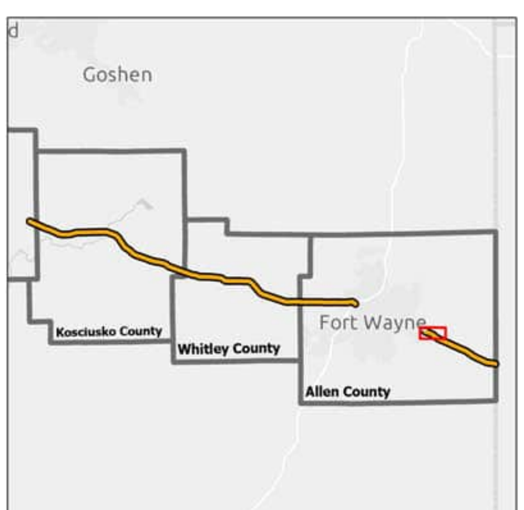

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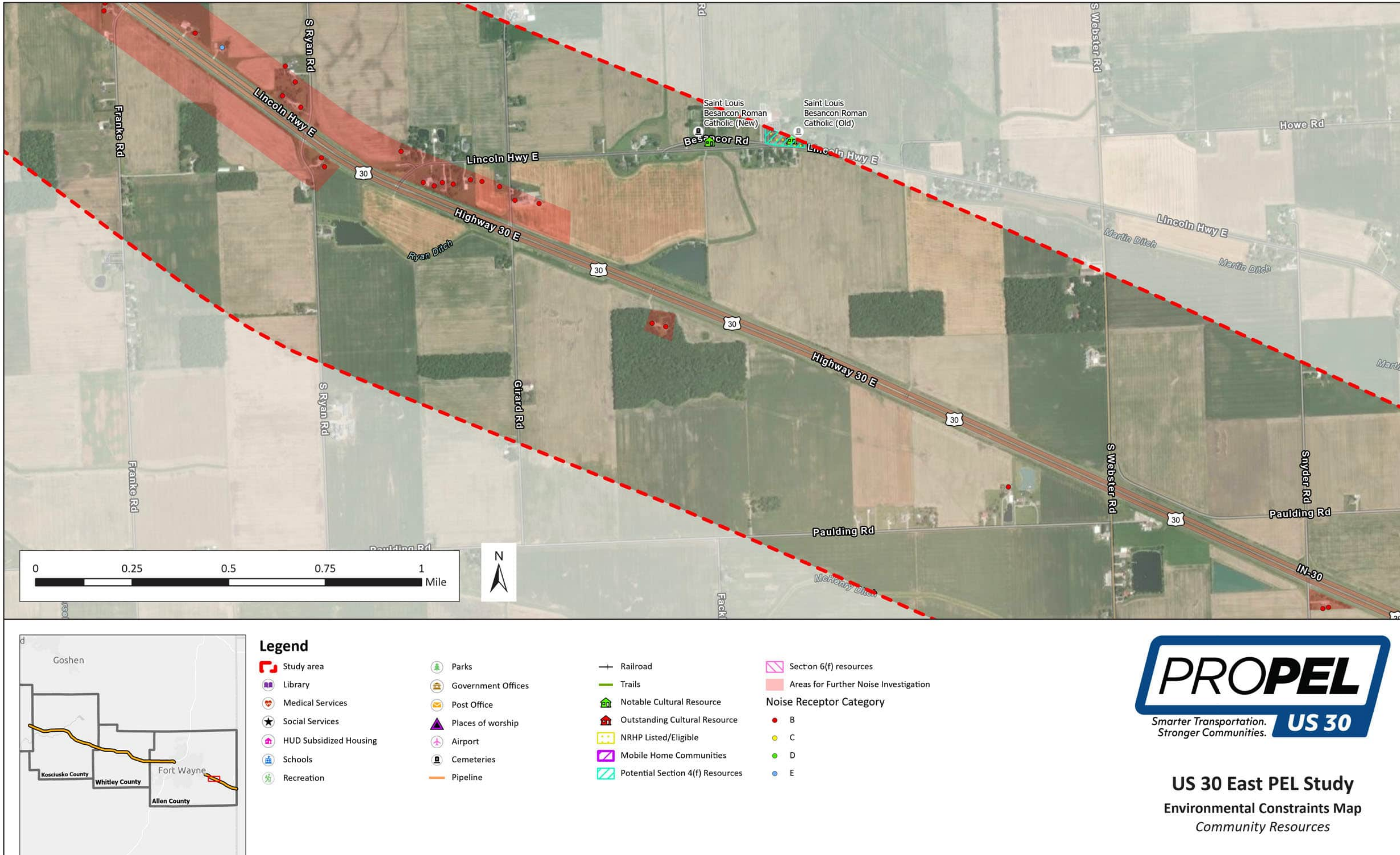

Legend

Study area	Parks	Railroad	Section 6(f) resources
Library	Government Offices	Trails	Areas for Further Noise Investigation
Medical Services	Post Office	Notable Cultural Resource	**Noise Receptor Category**
Social Services	Places of worship	Outstanding Cultural Resource	B
HUD Subsidized Housing	Airport	NRHP Listed/Eligible	C
Schools	Cemeteries	Mobile Home Communities	D
Recreation	Pipeline	Potential Section 4(f) Resources	E

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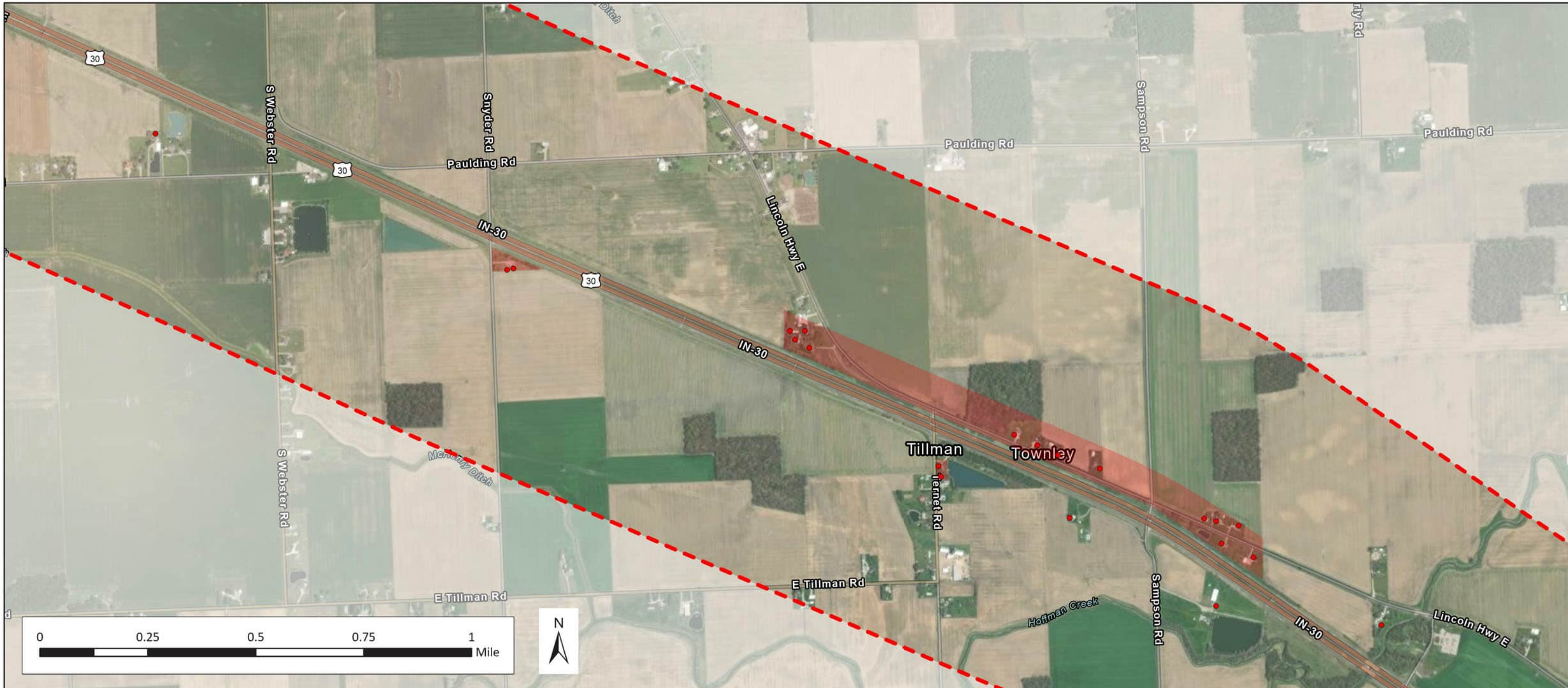

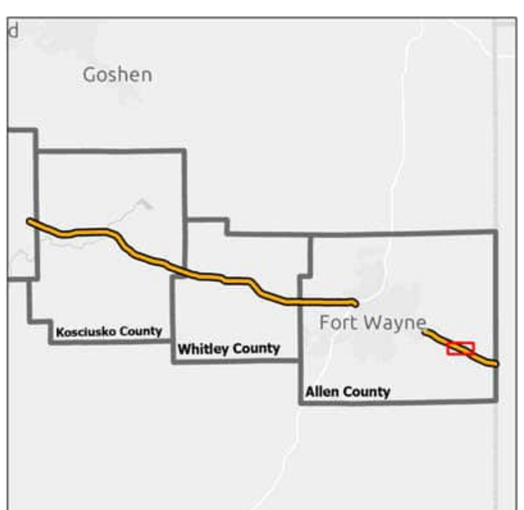

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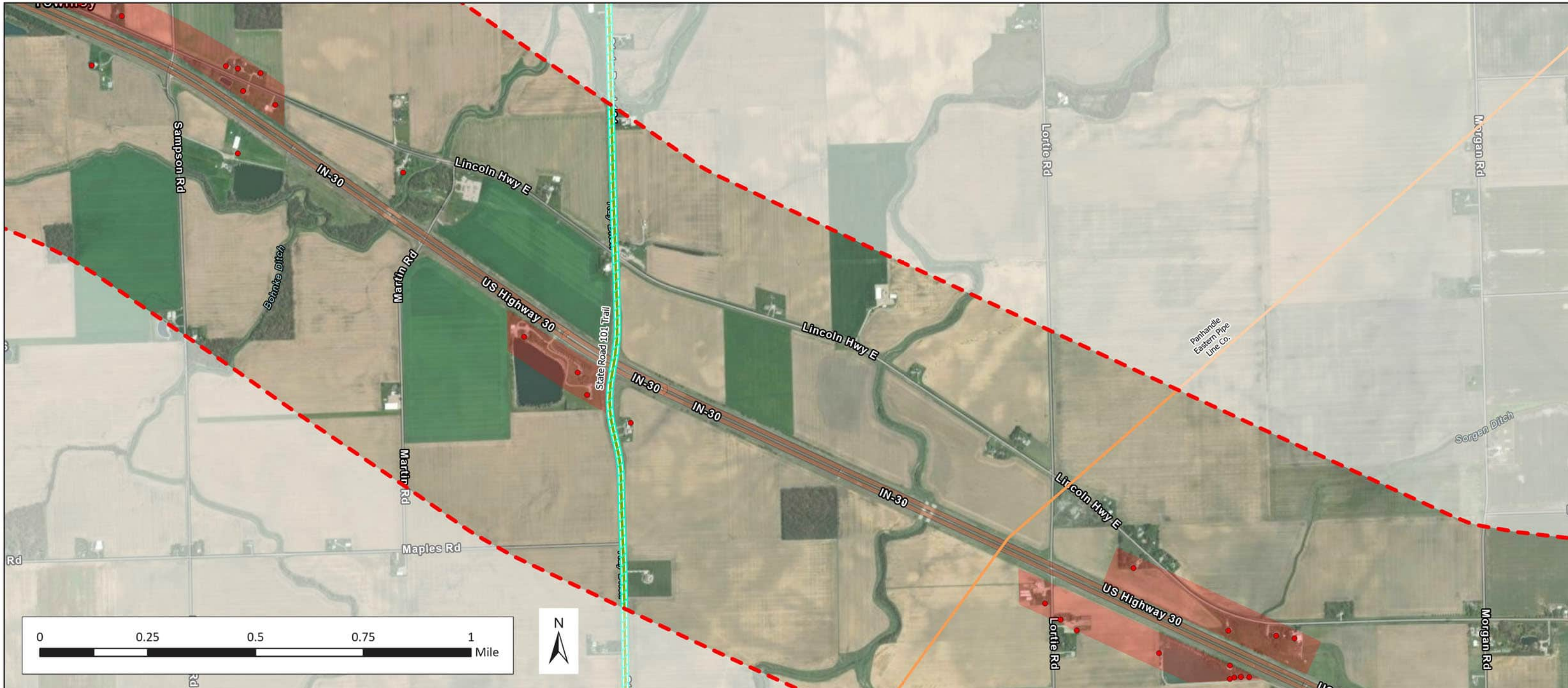

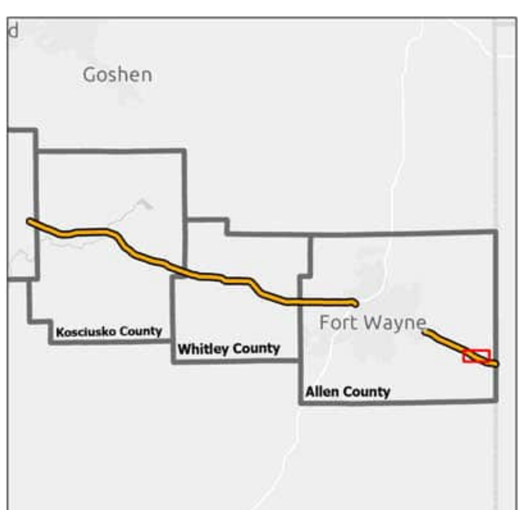

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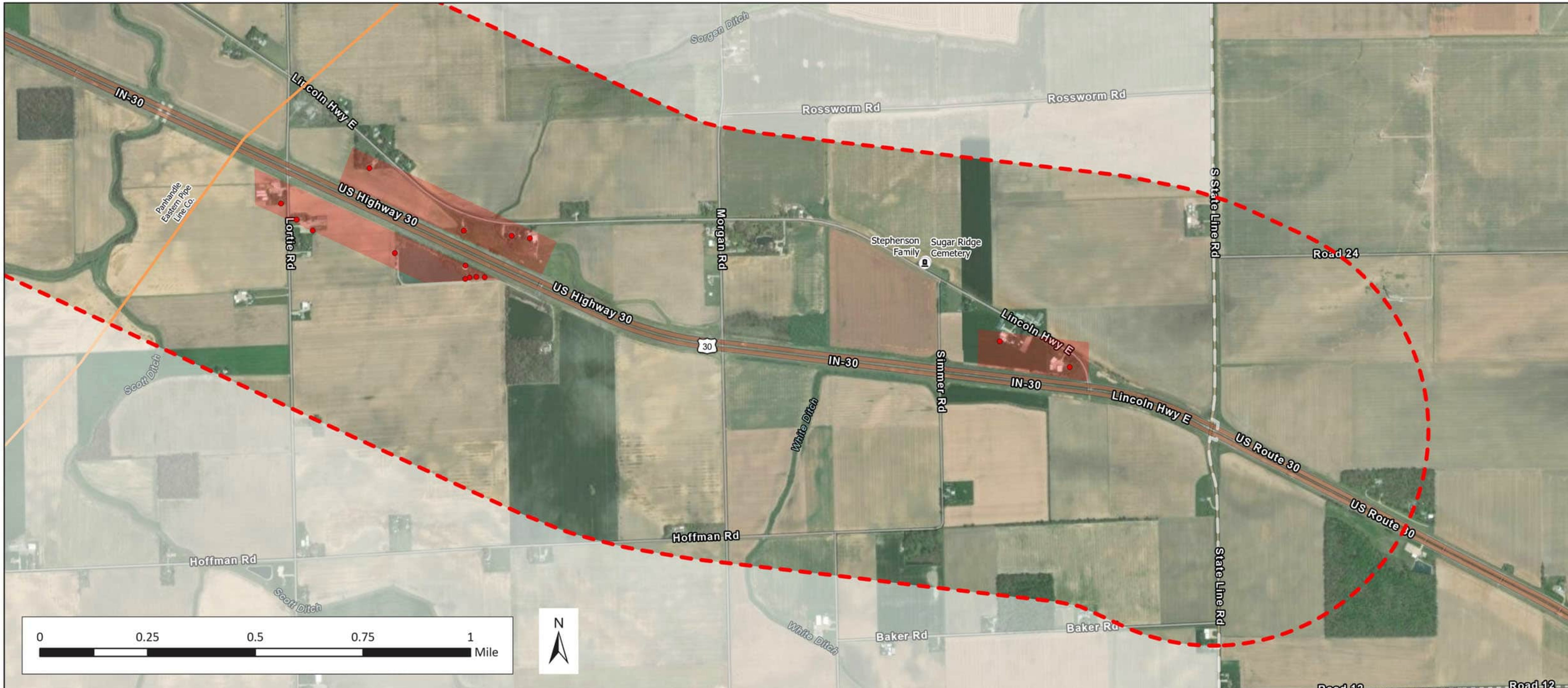

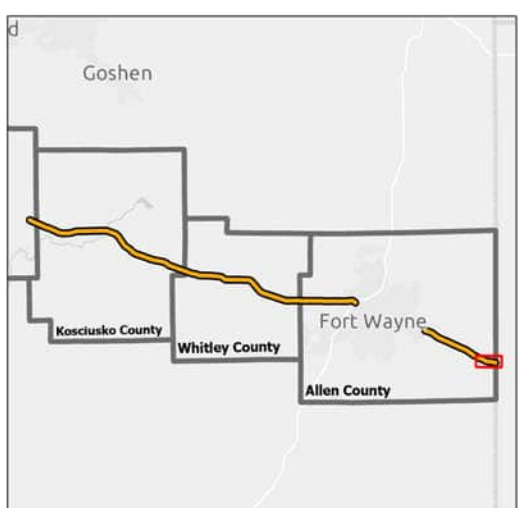

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Environmental Constraints Maps
Natural Resources Series

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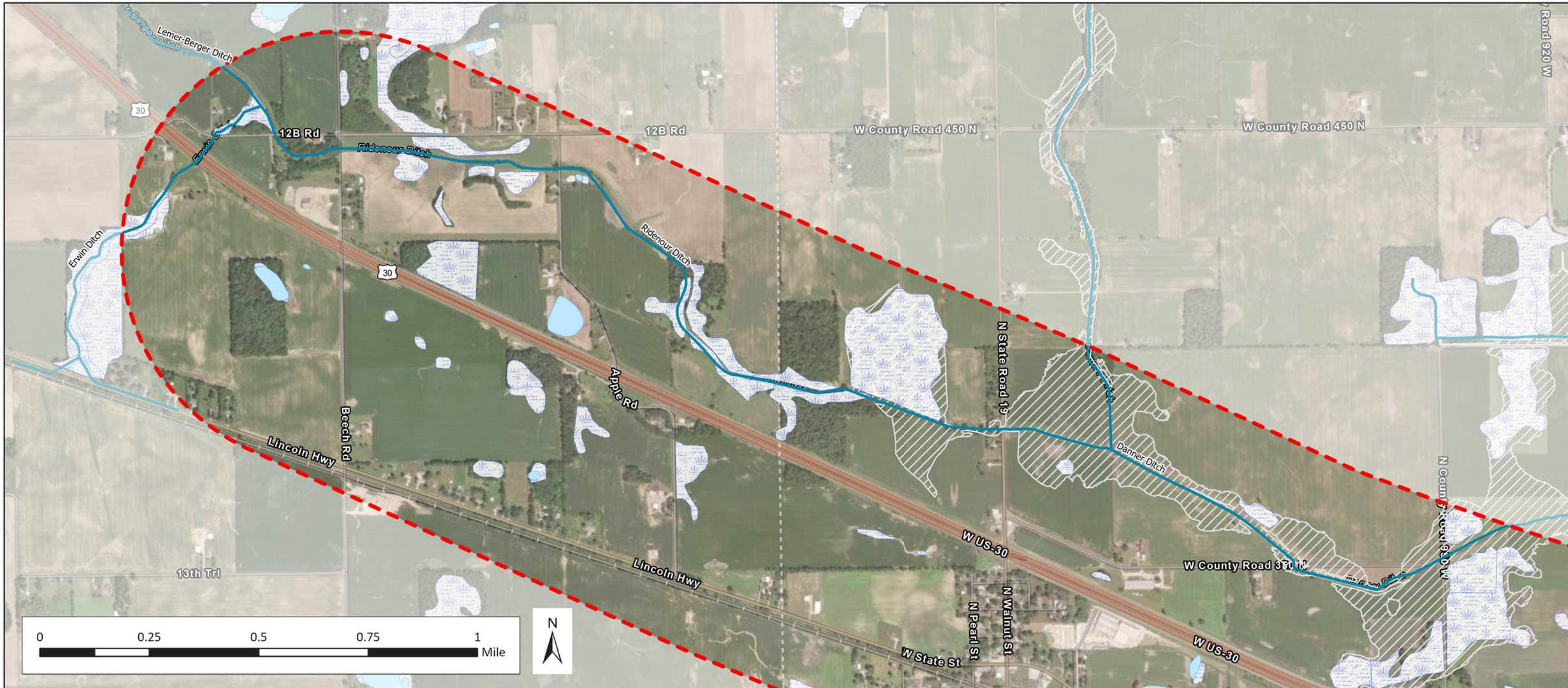
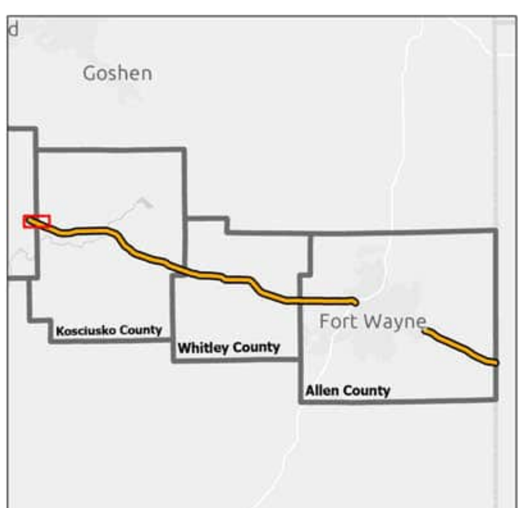
US 30





Legend

- Study area
- Managed Lands
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- Lake
- Wetlands
- Floodplain - DFIRM
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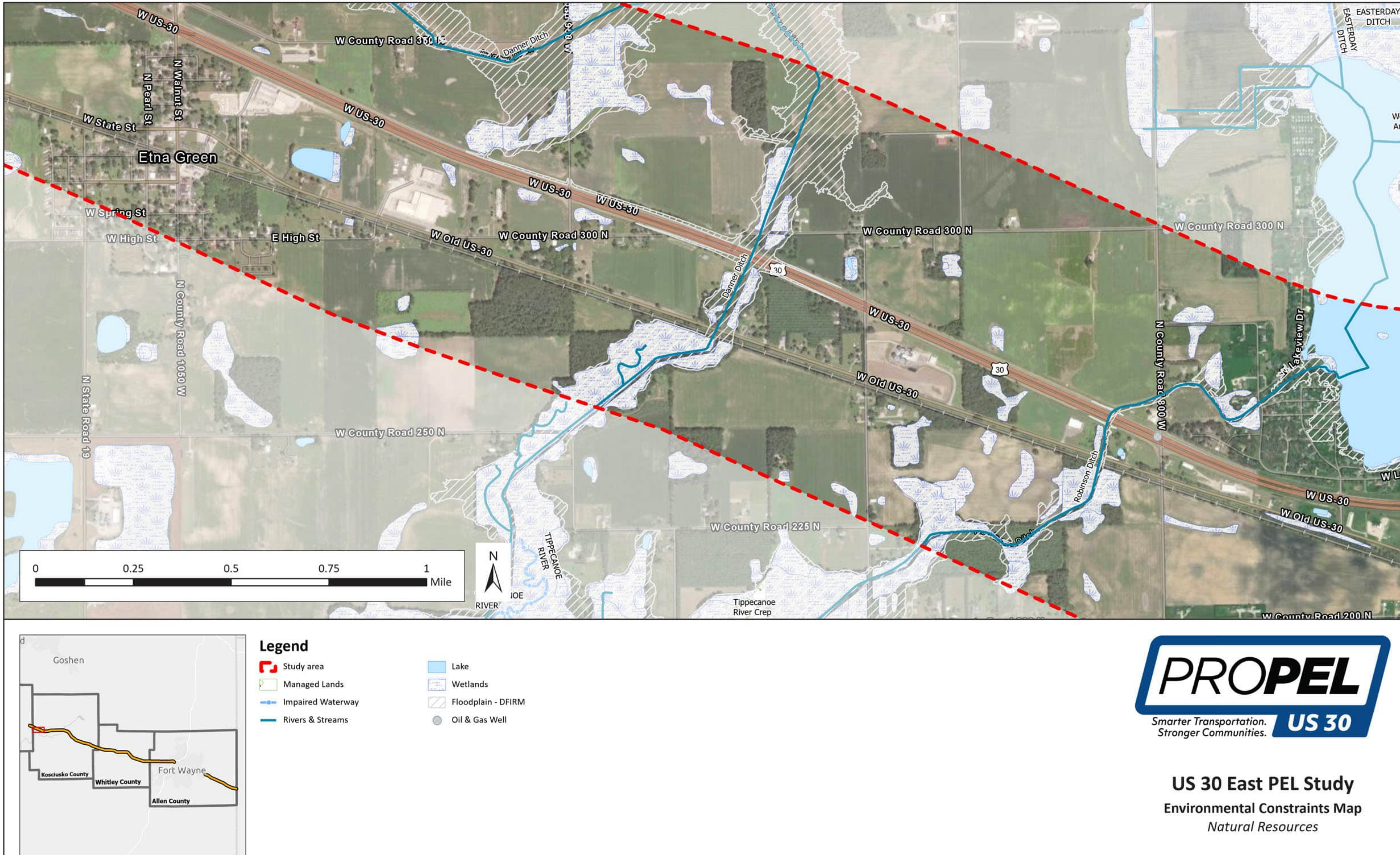

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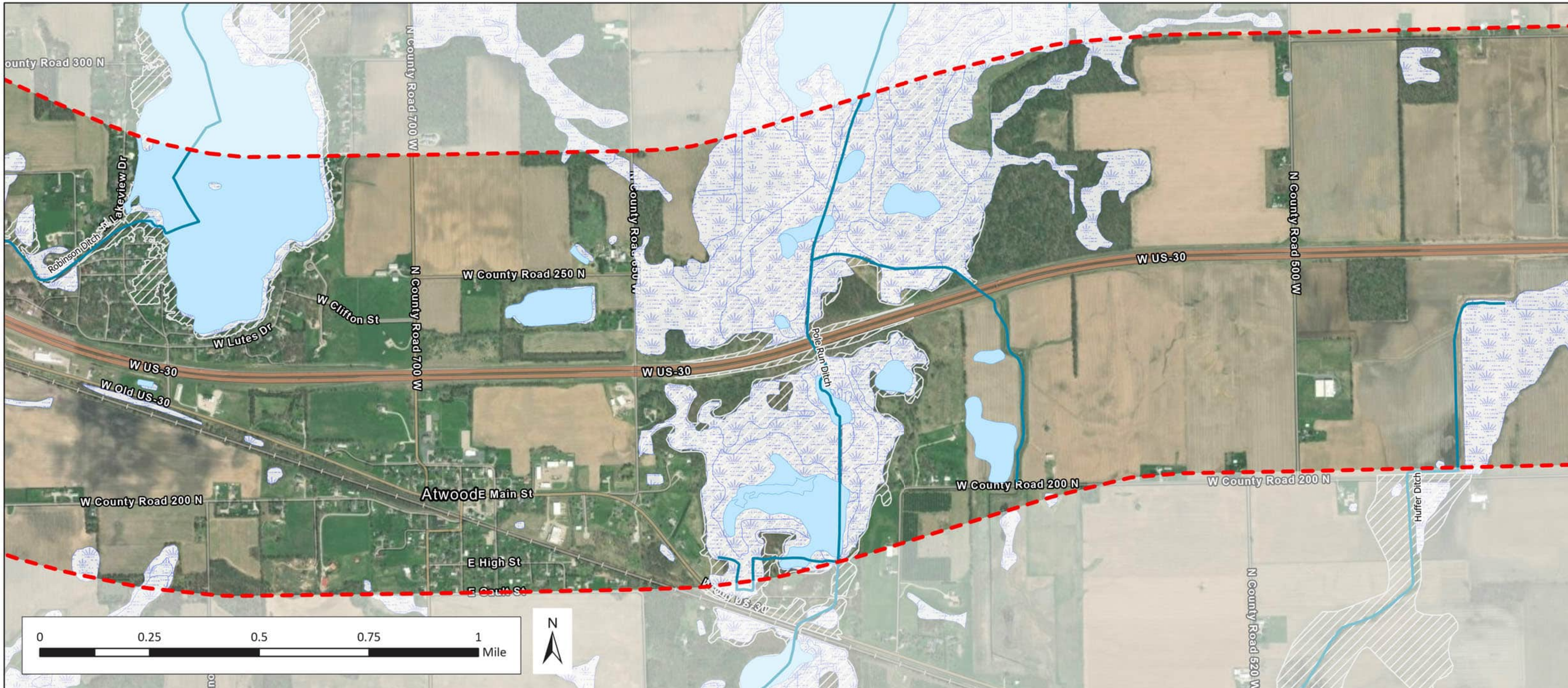

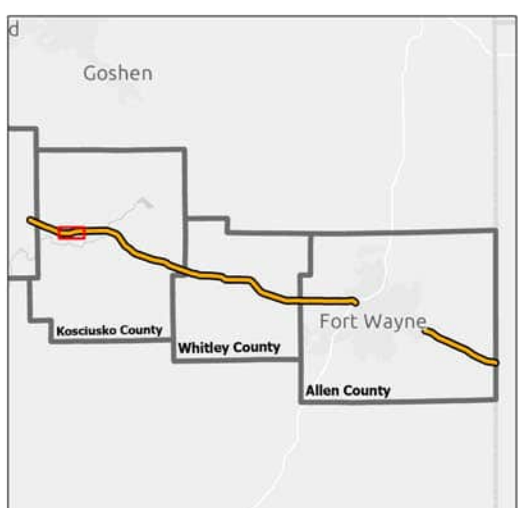

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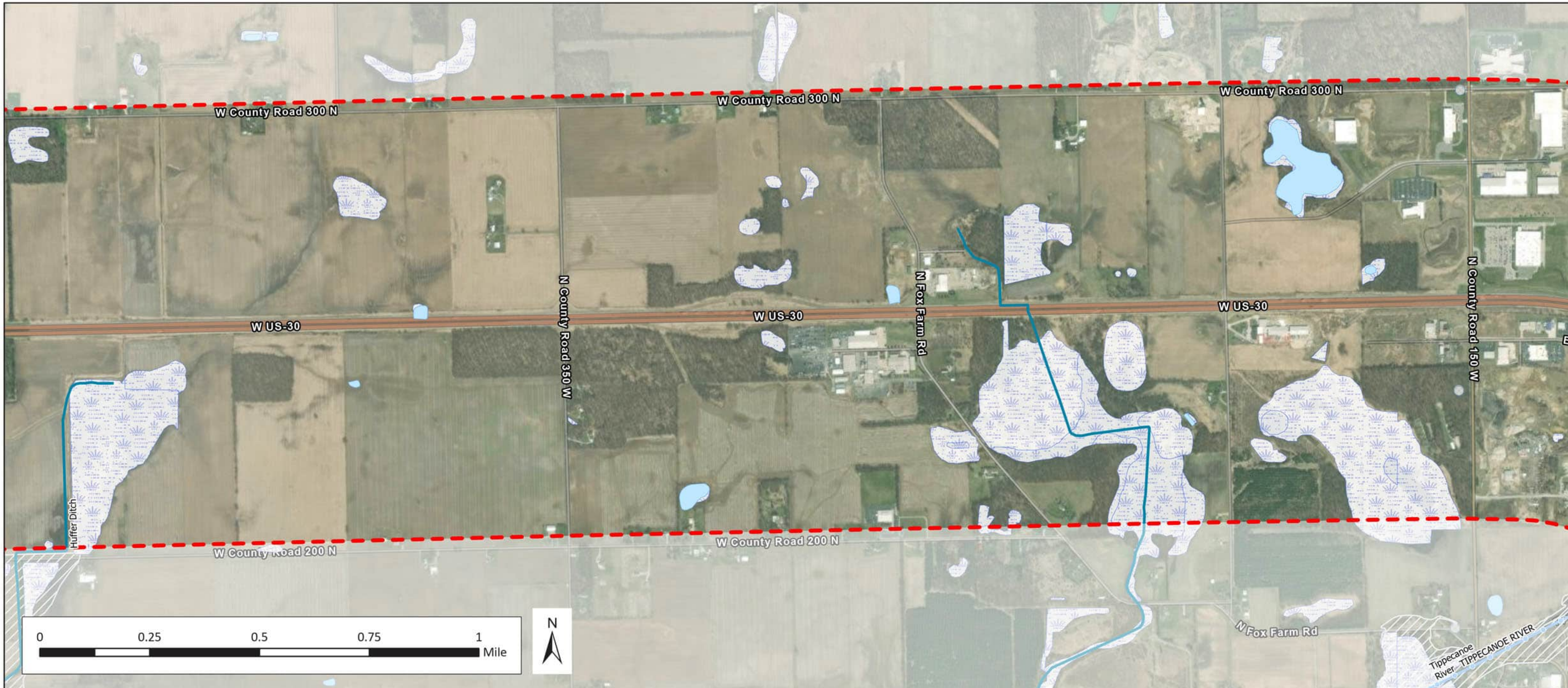

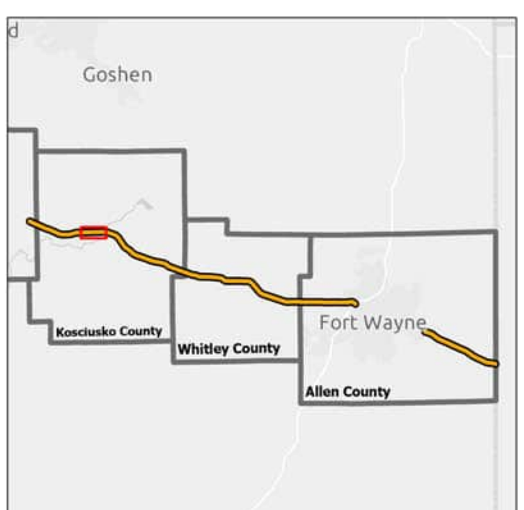

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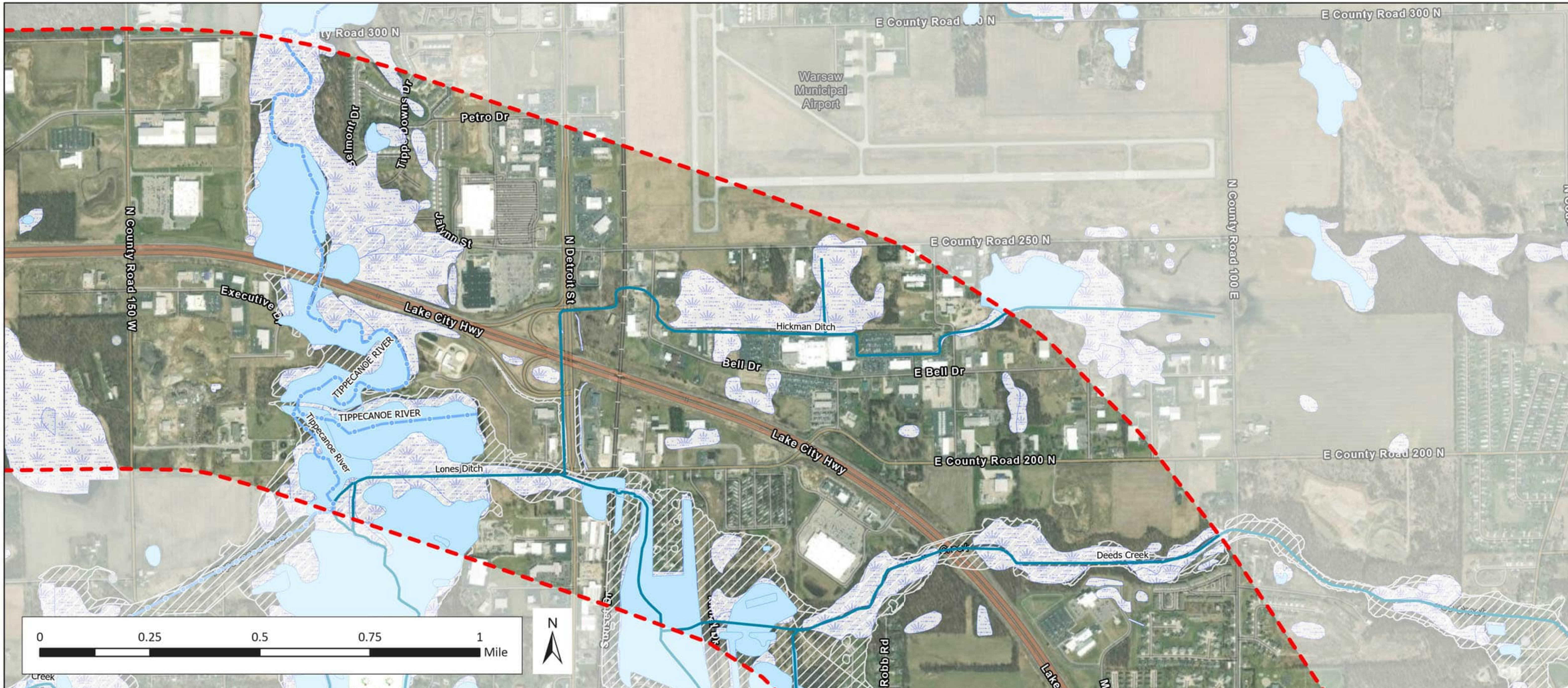

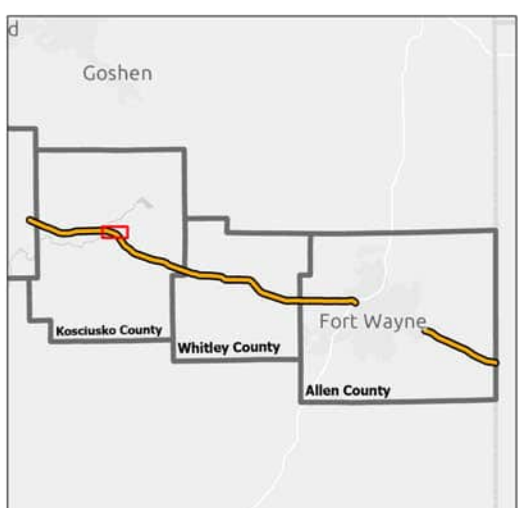

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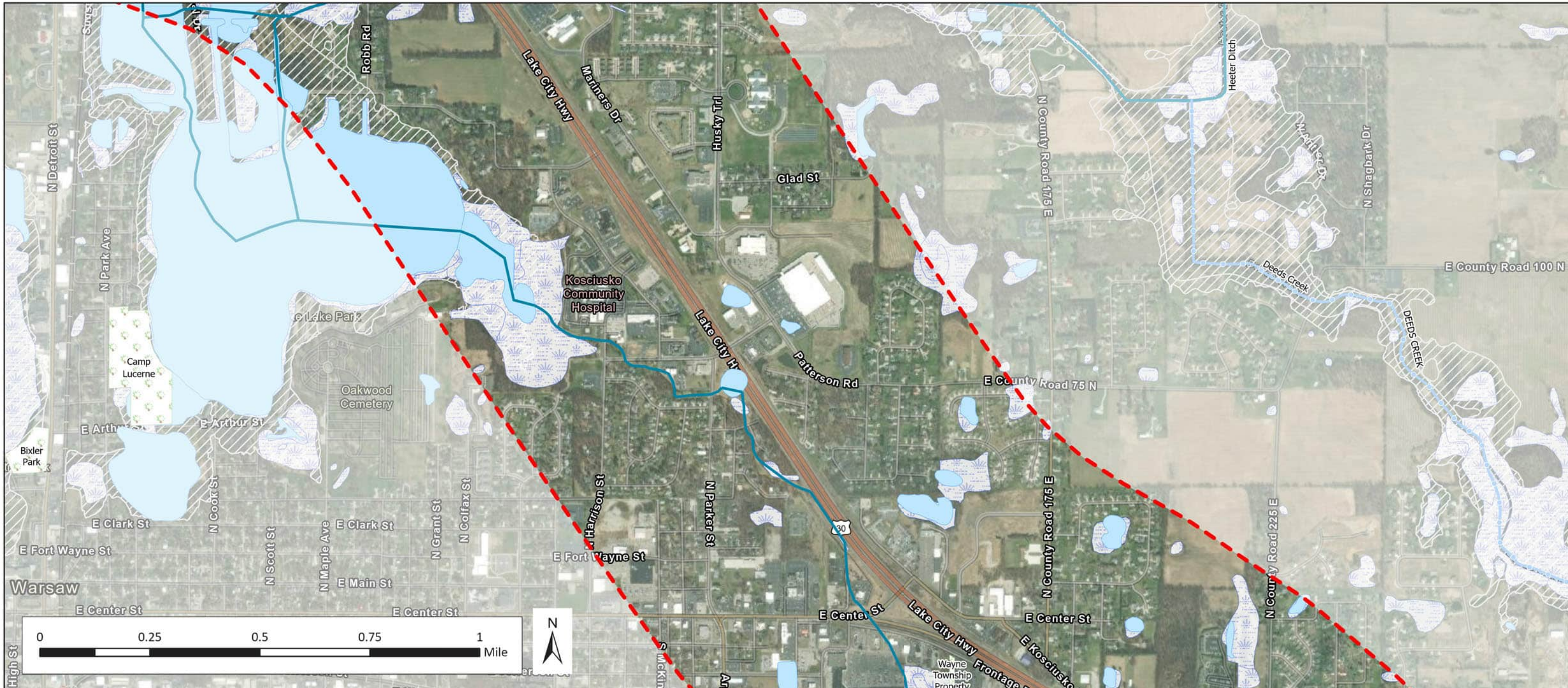

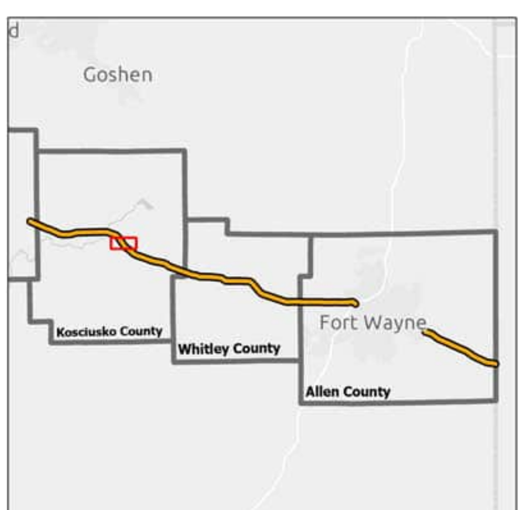

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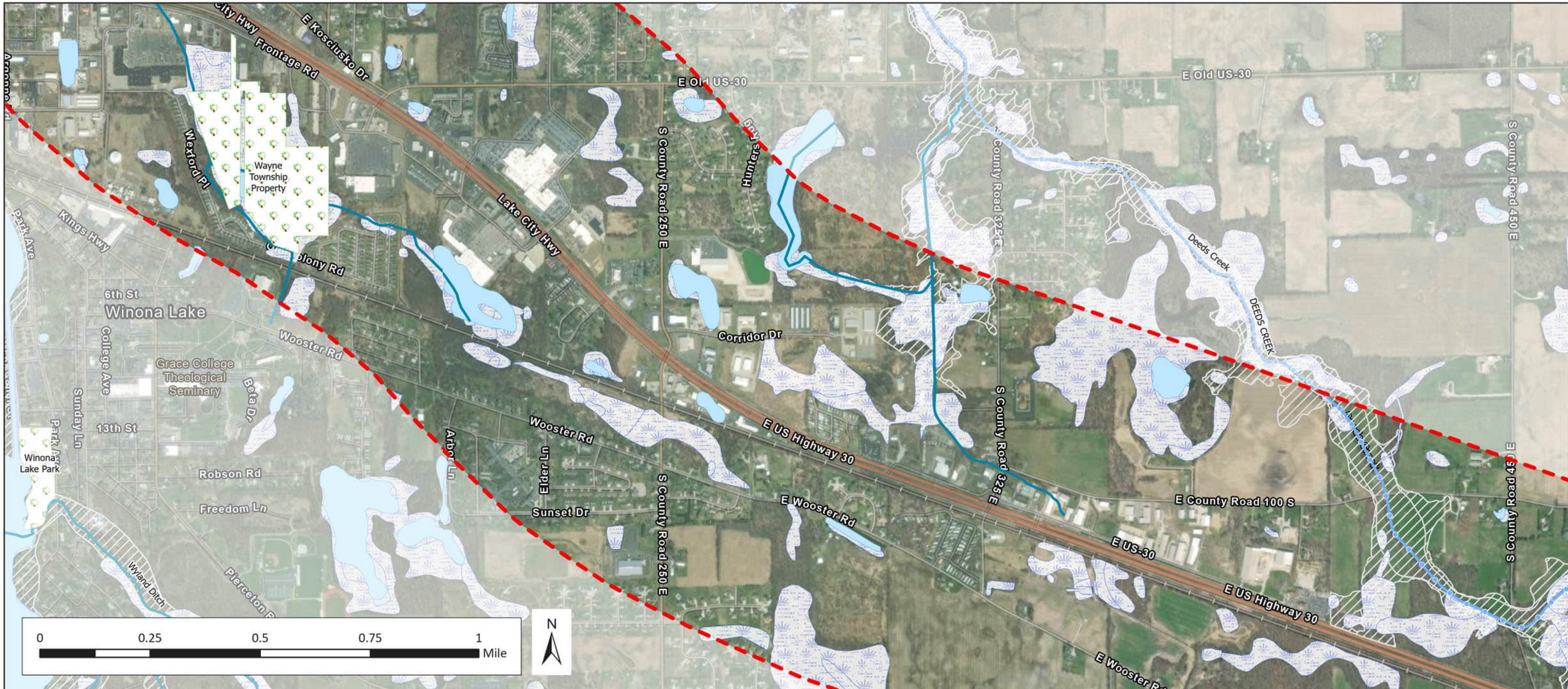

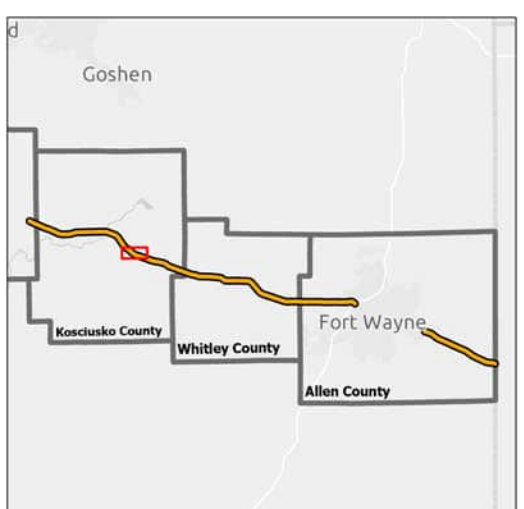

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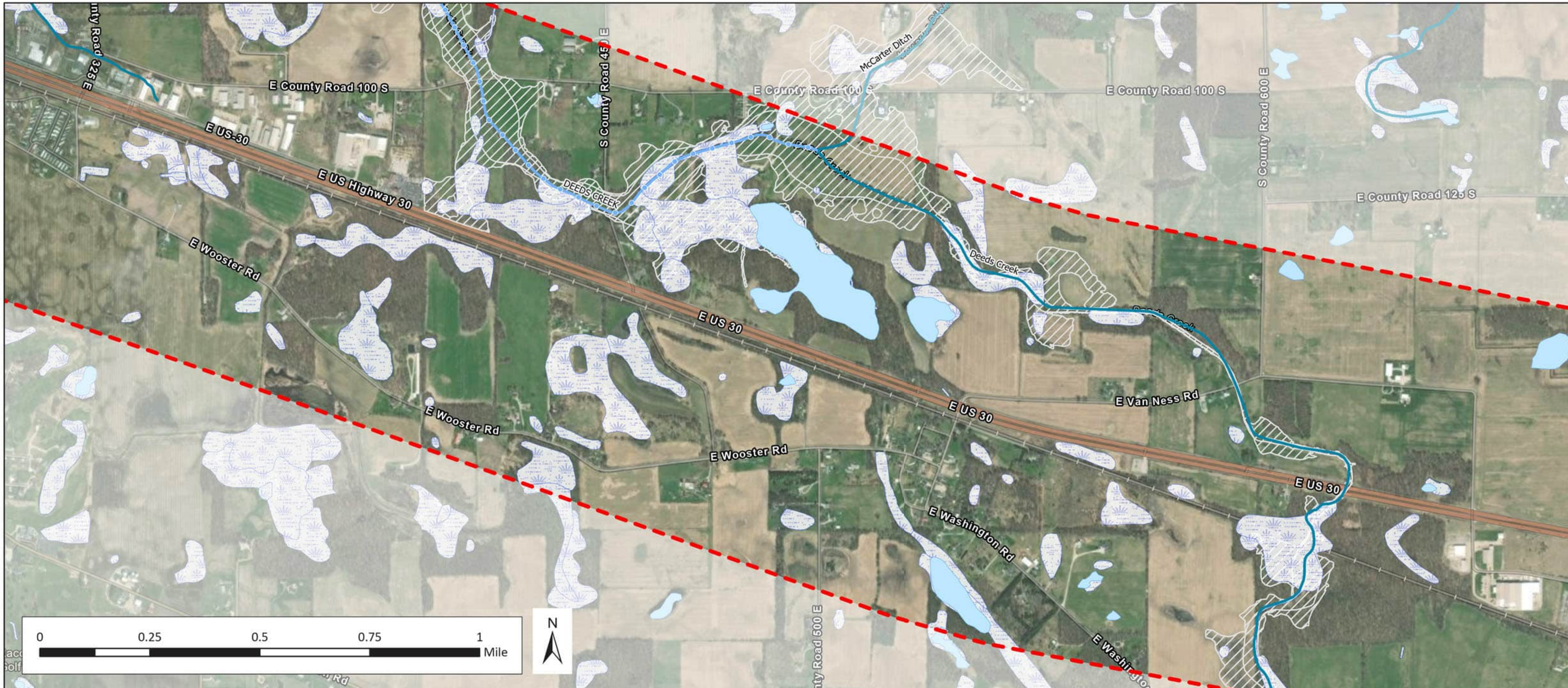

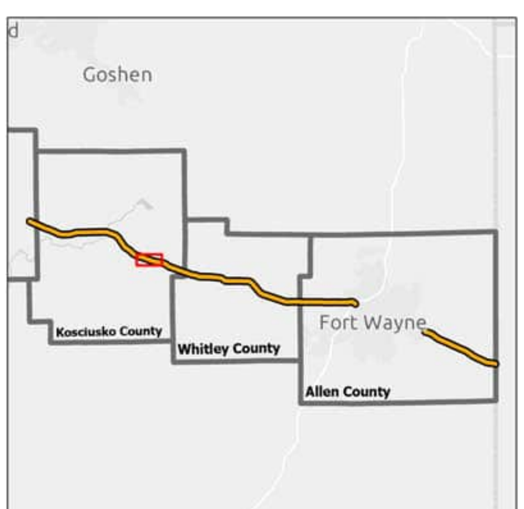

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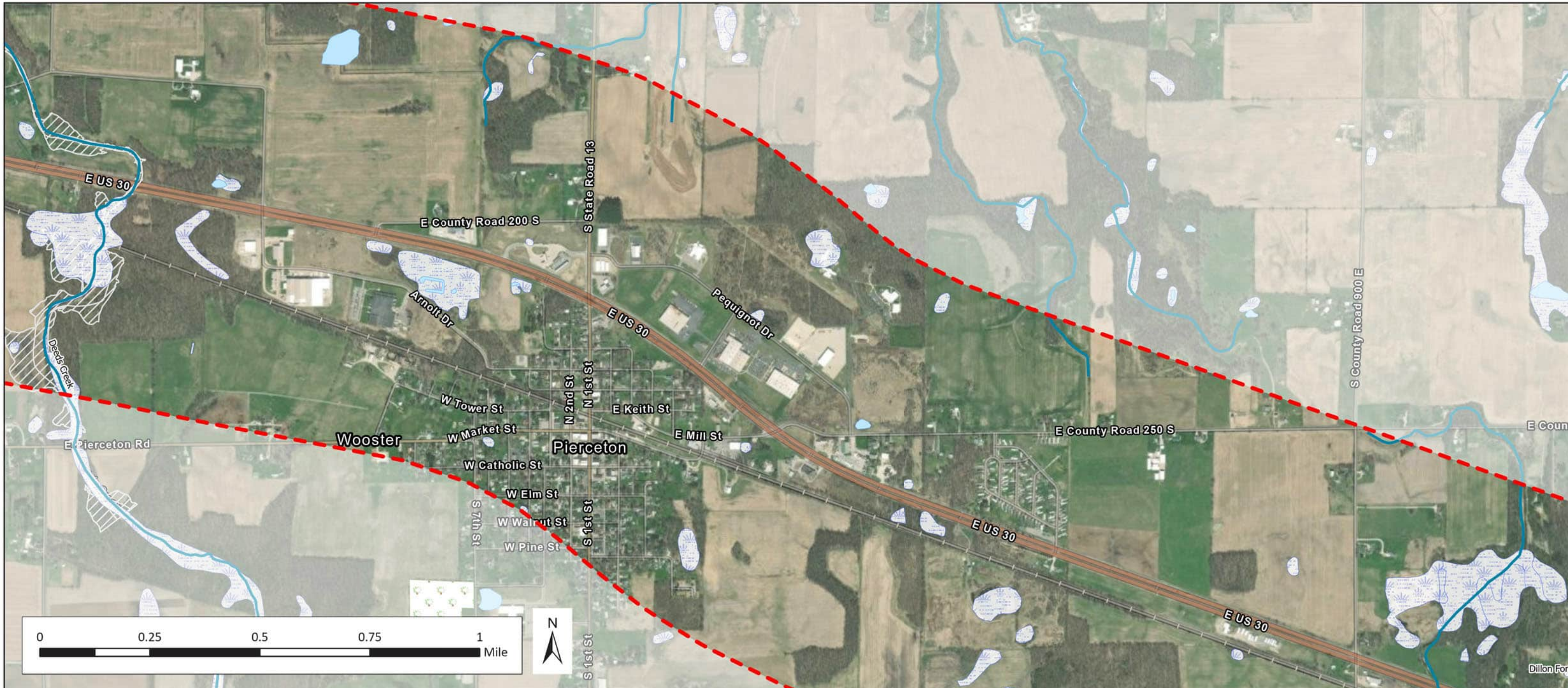

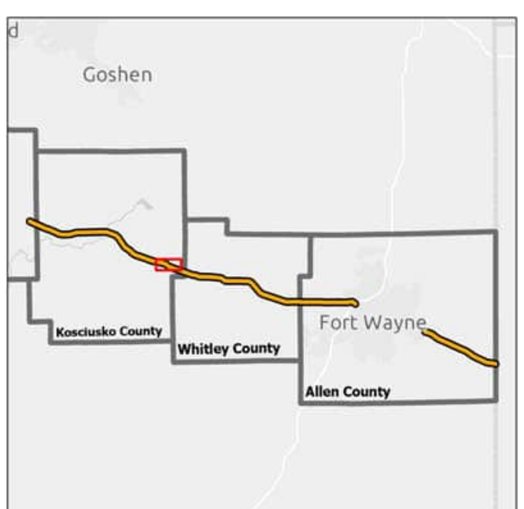

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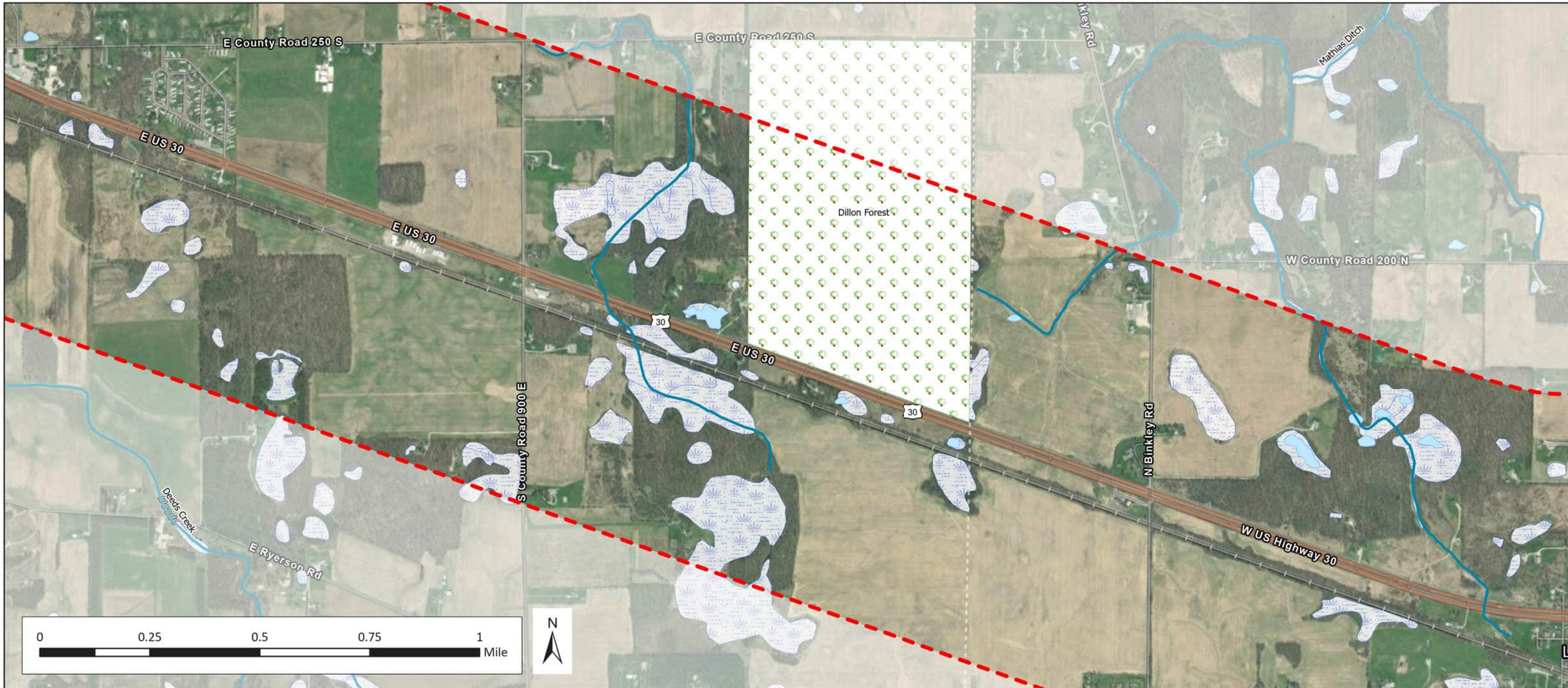

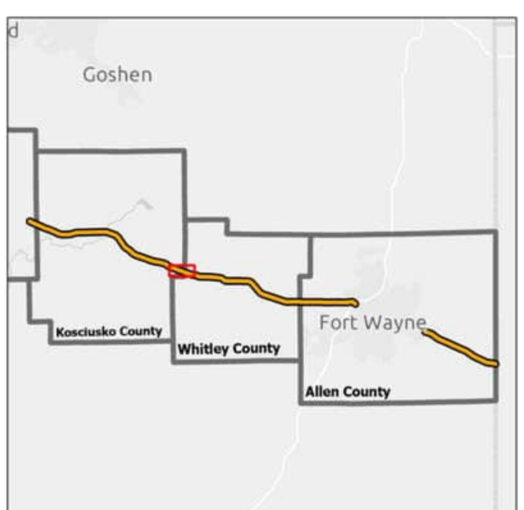

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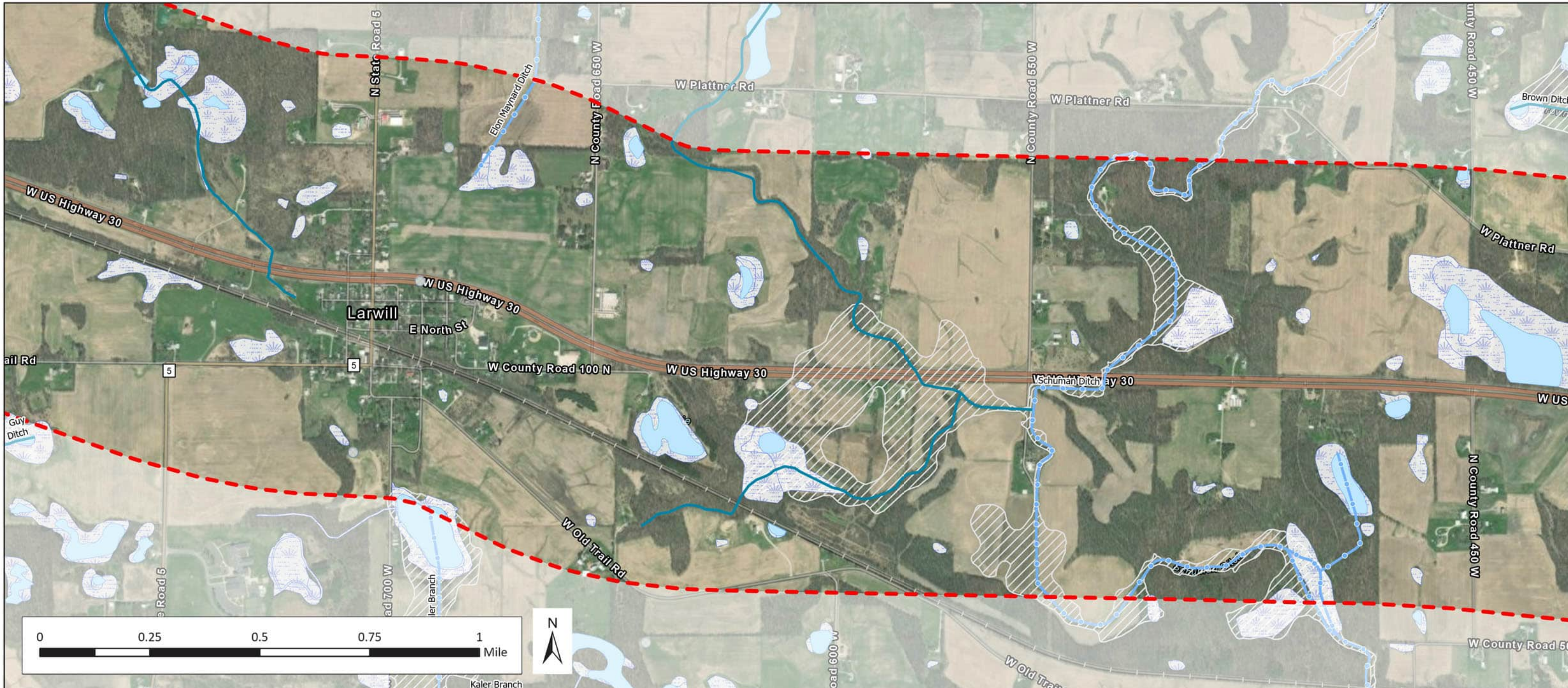

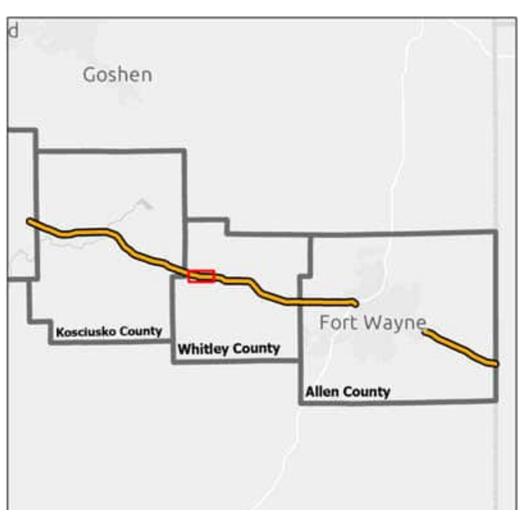

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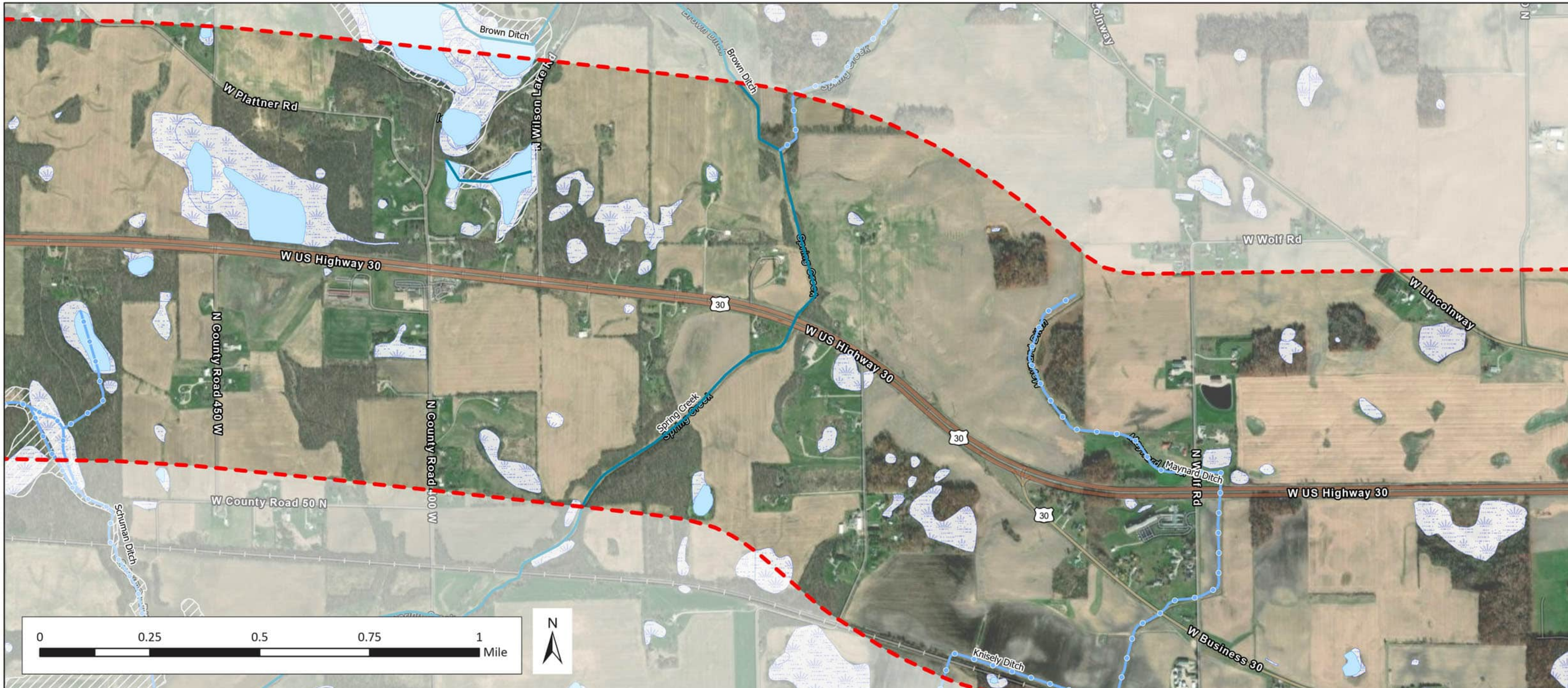

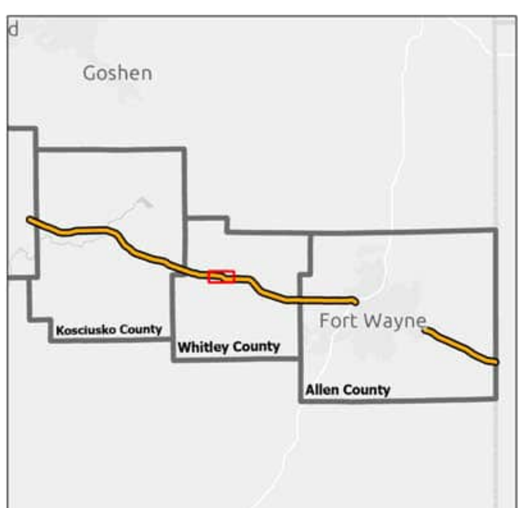

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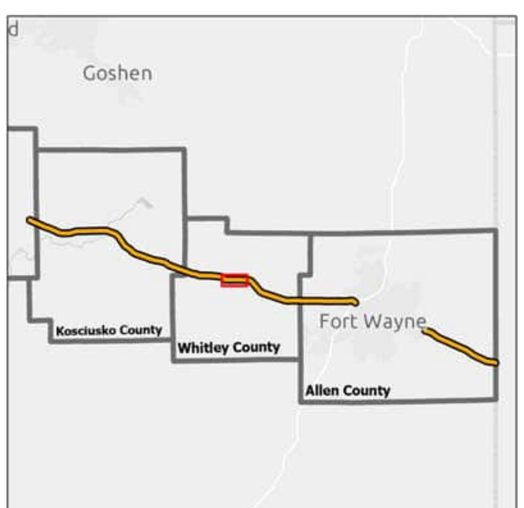

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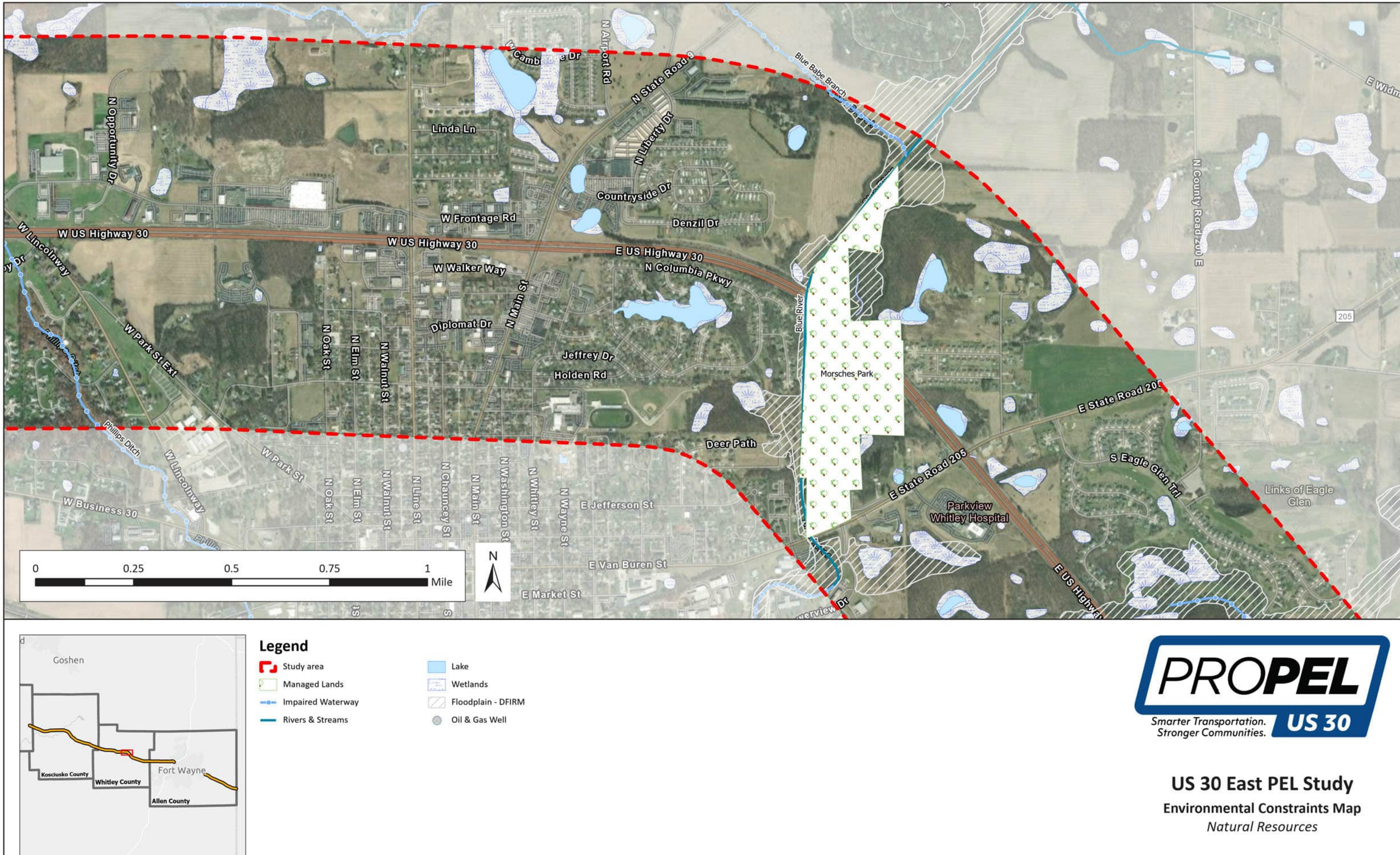

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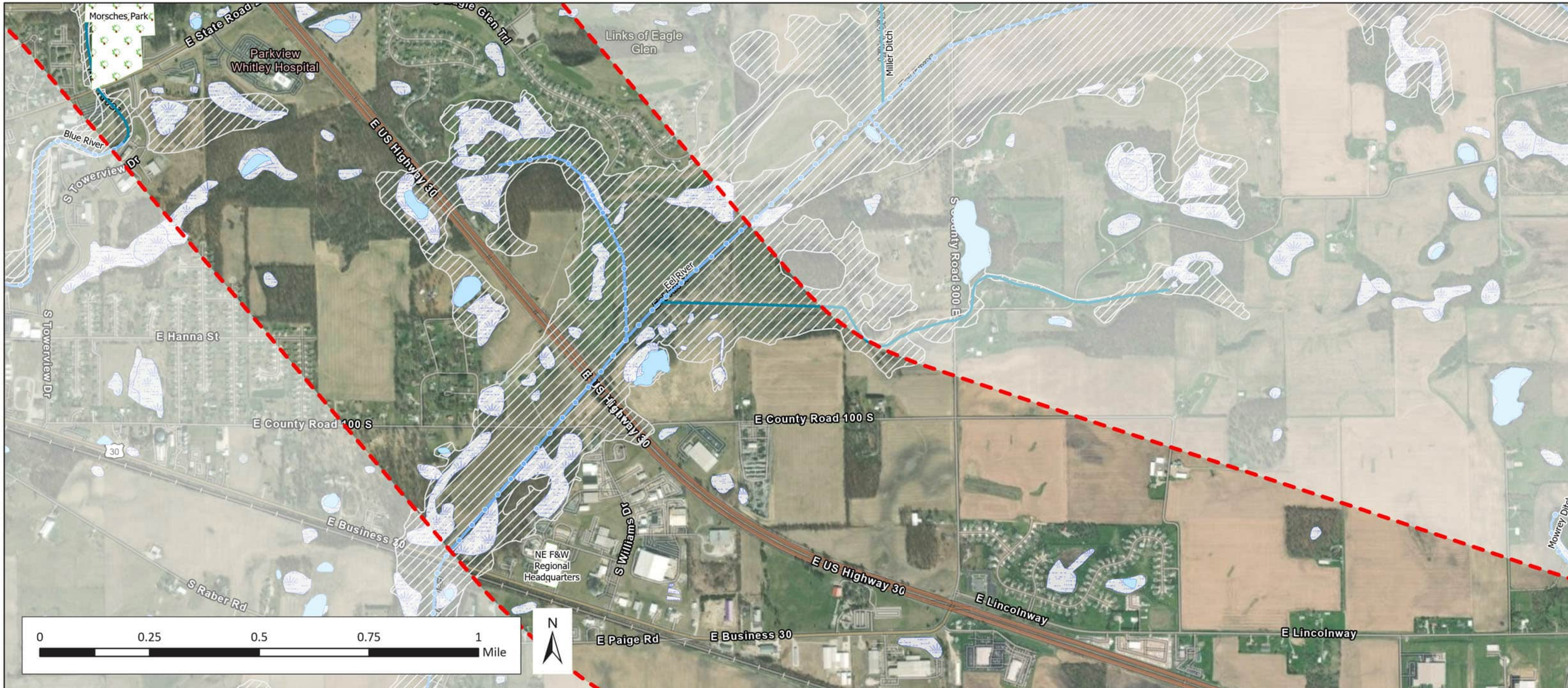

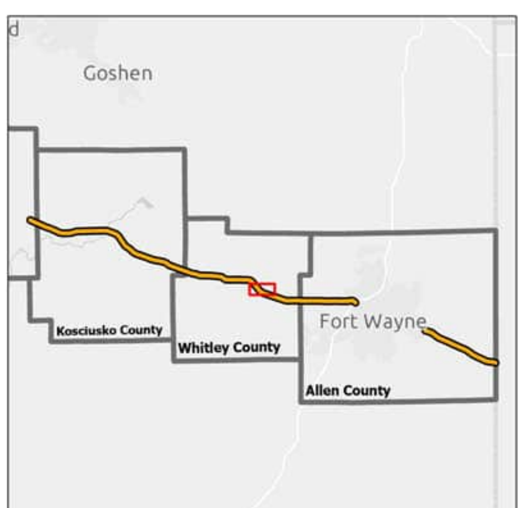

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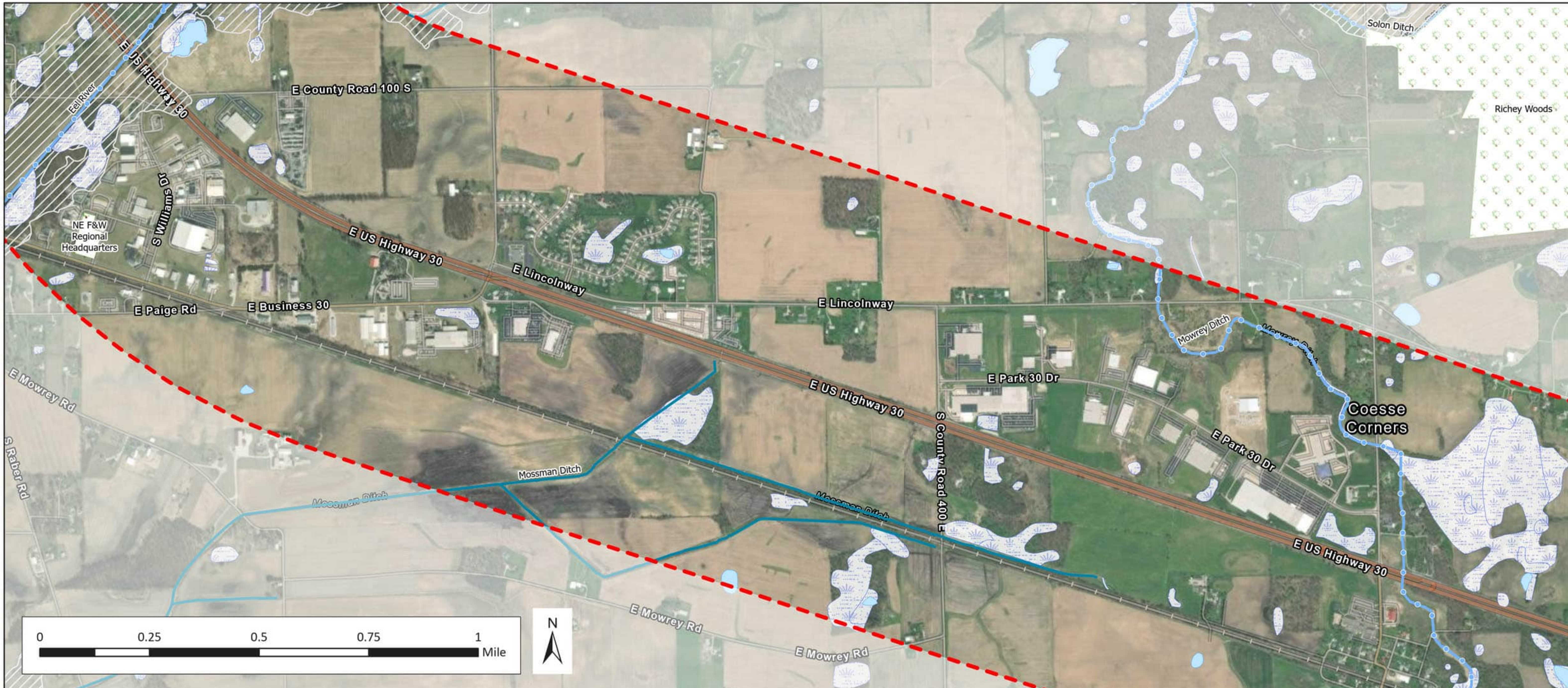

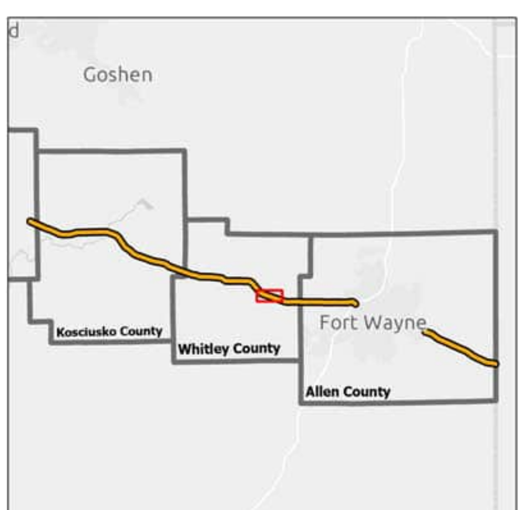

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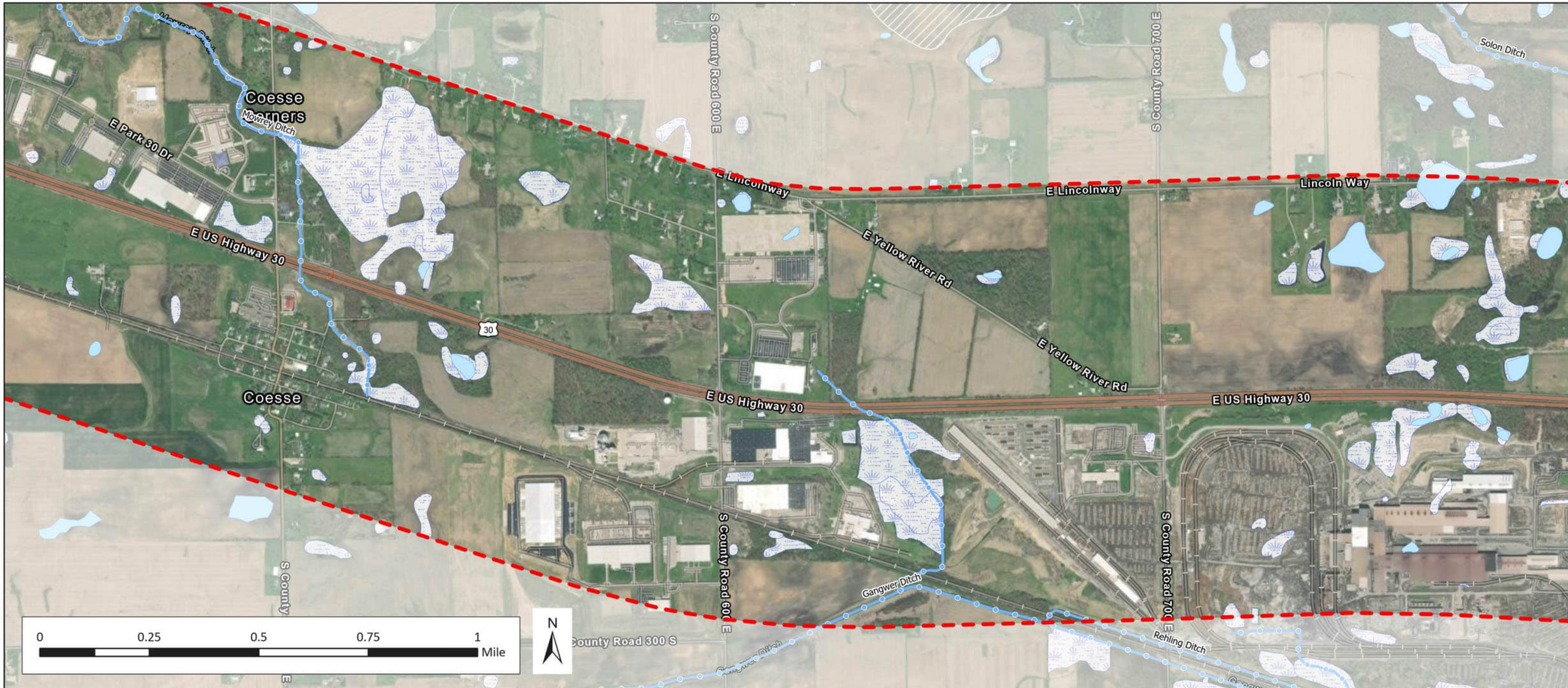

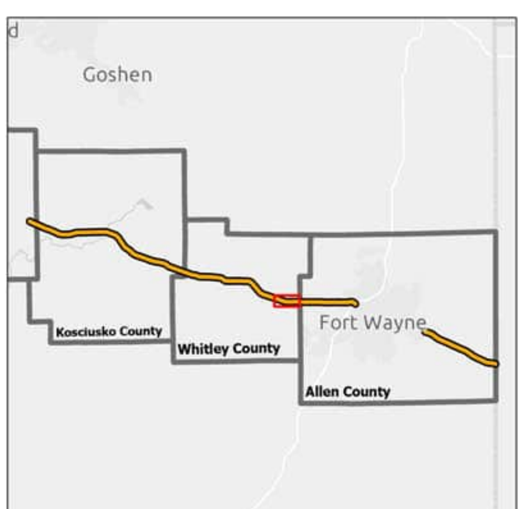

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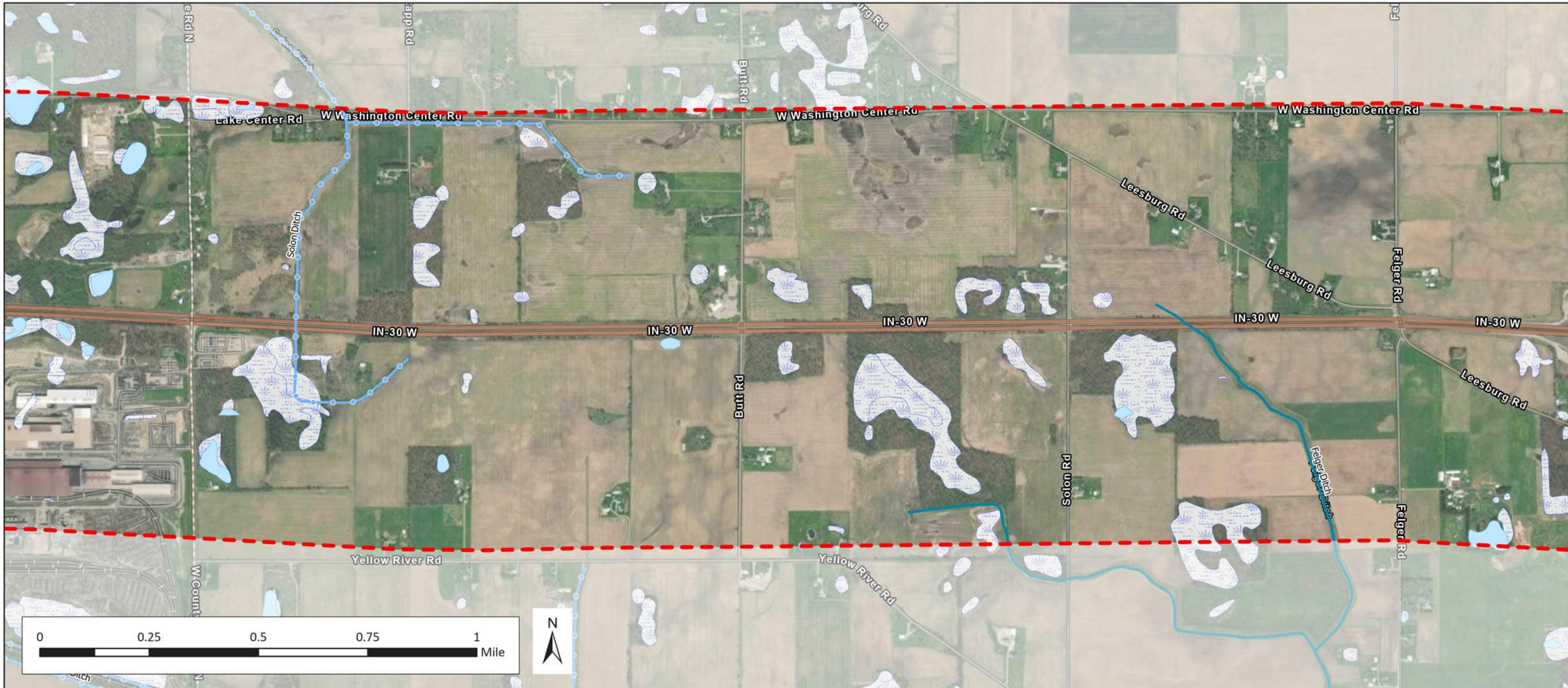

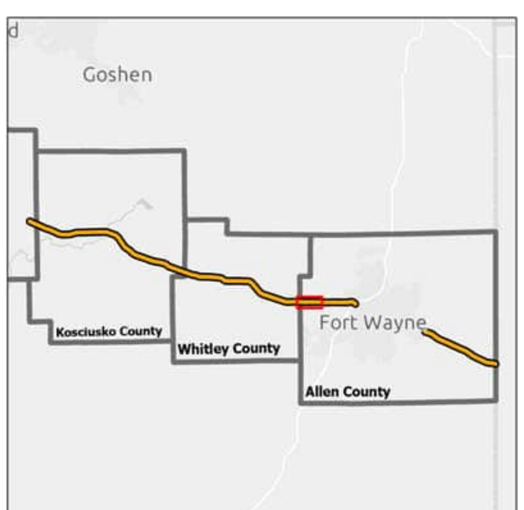

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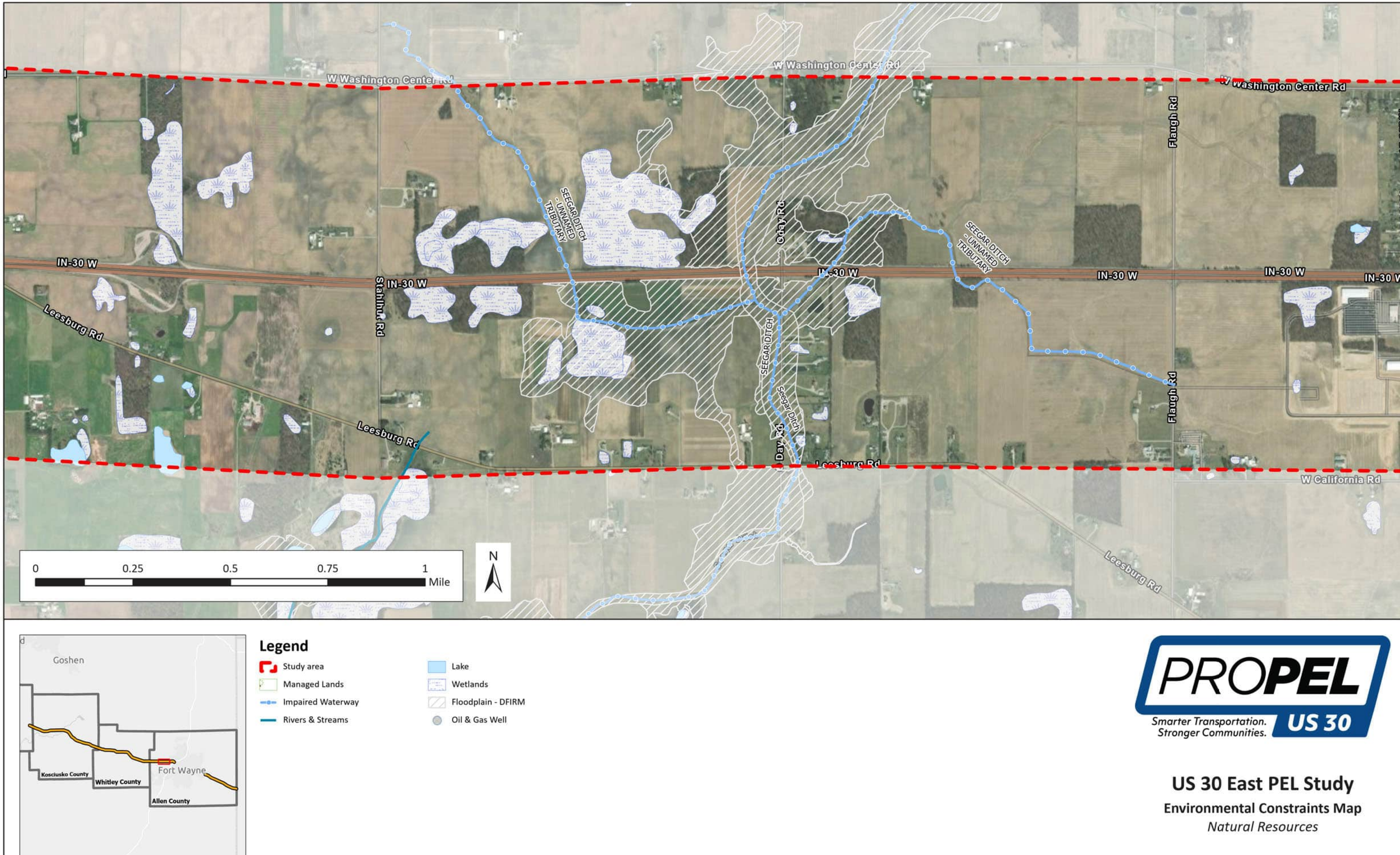

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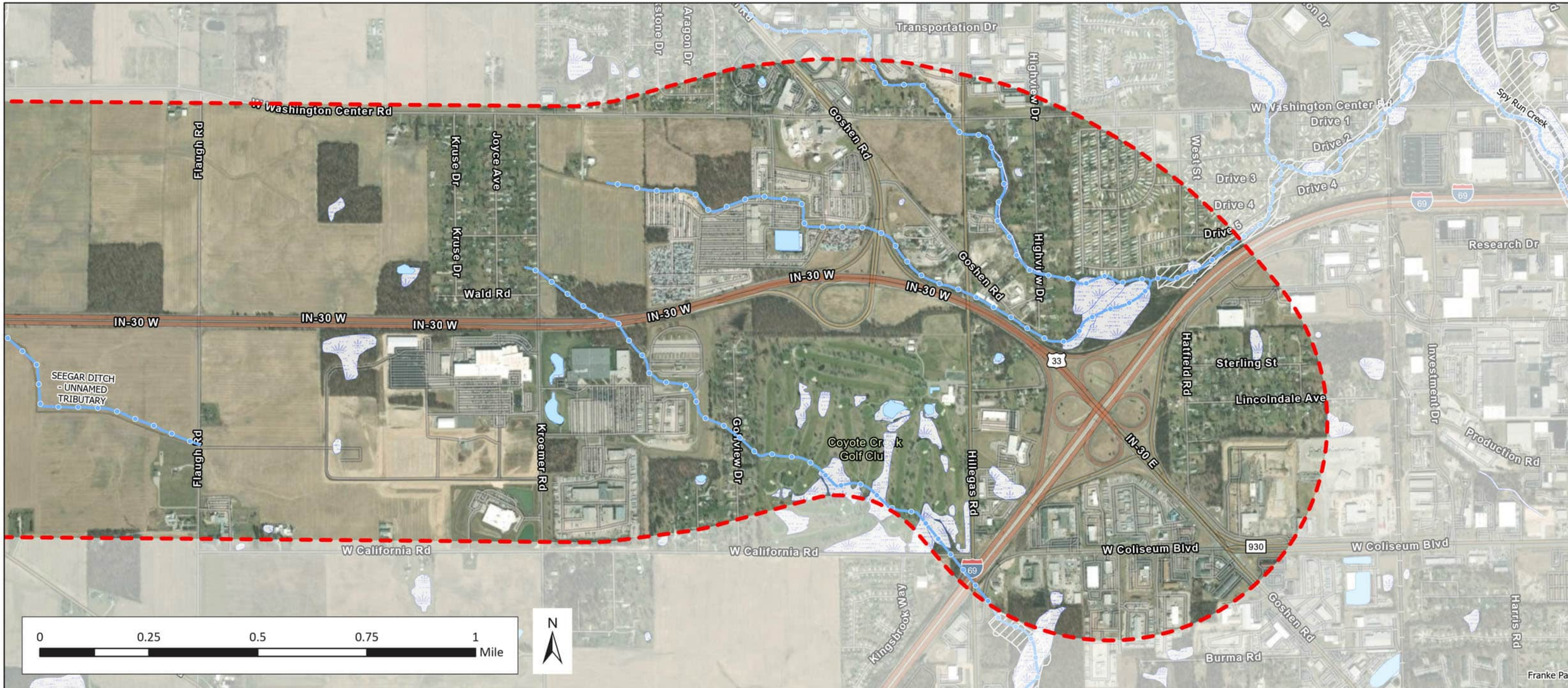

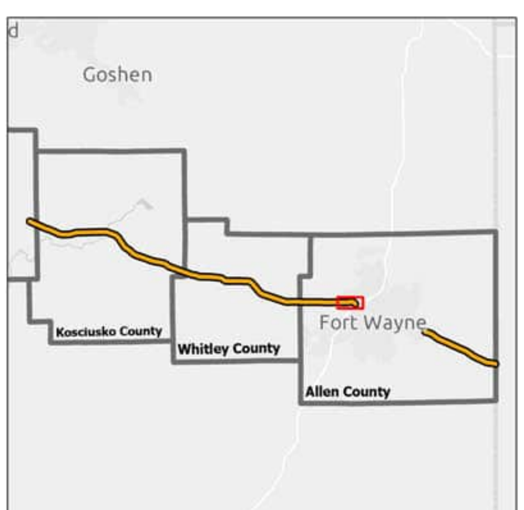

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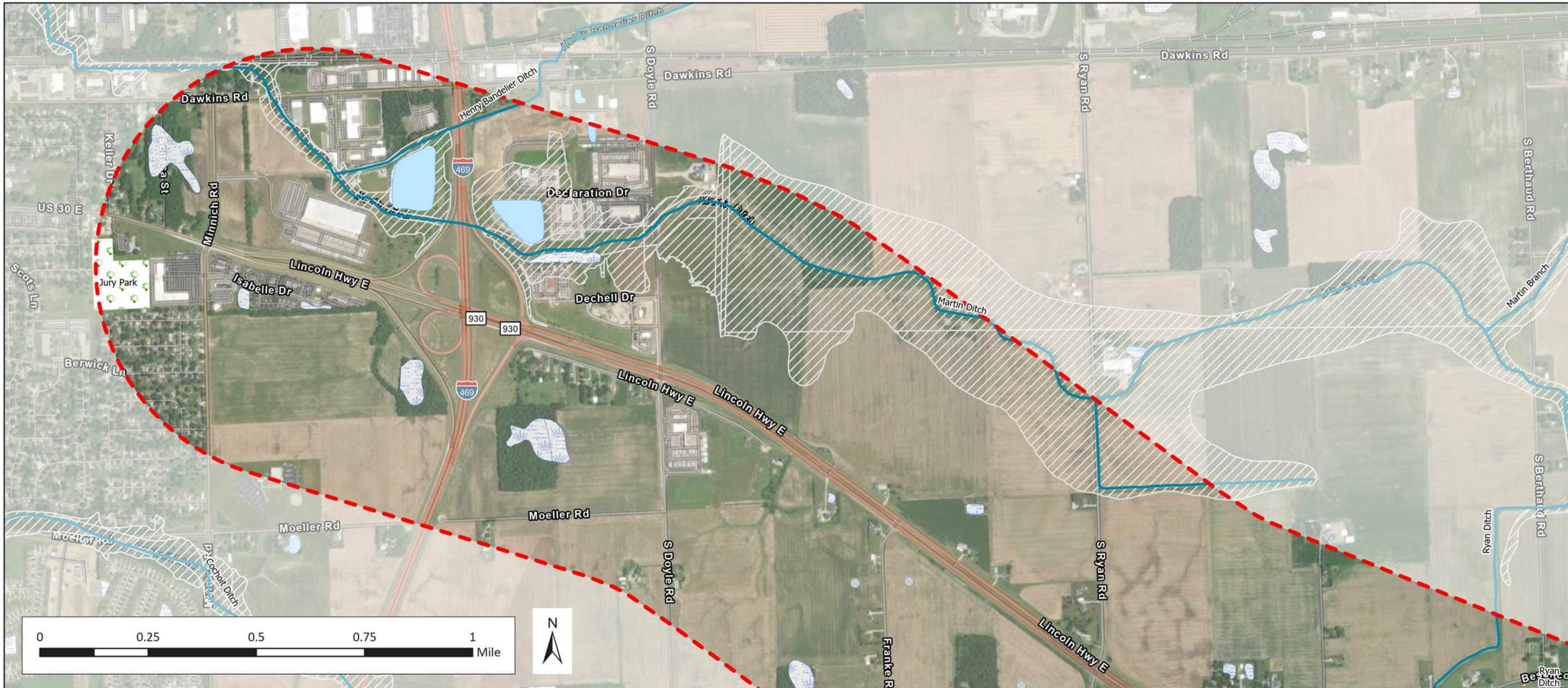

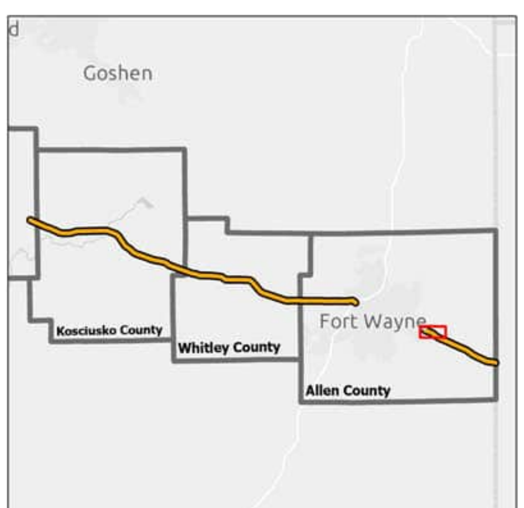

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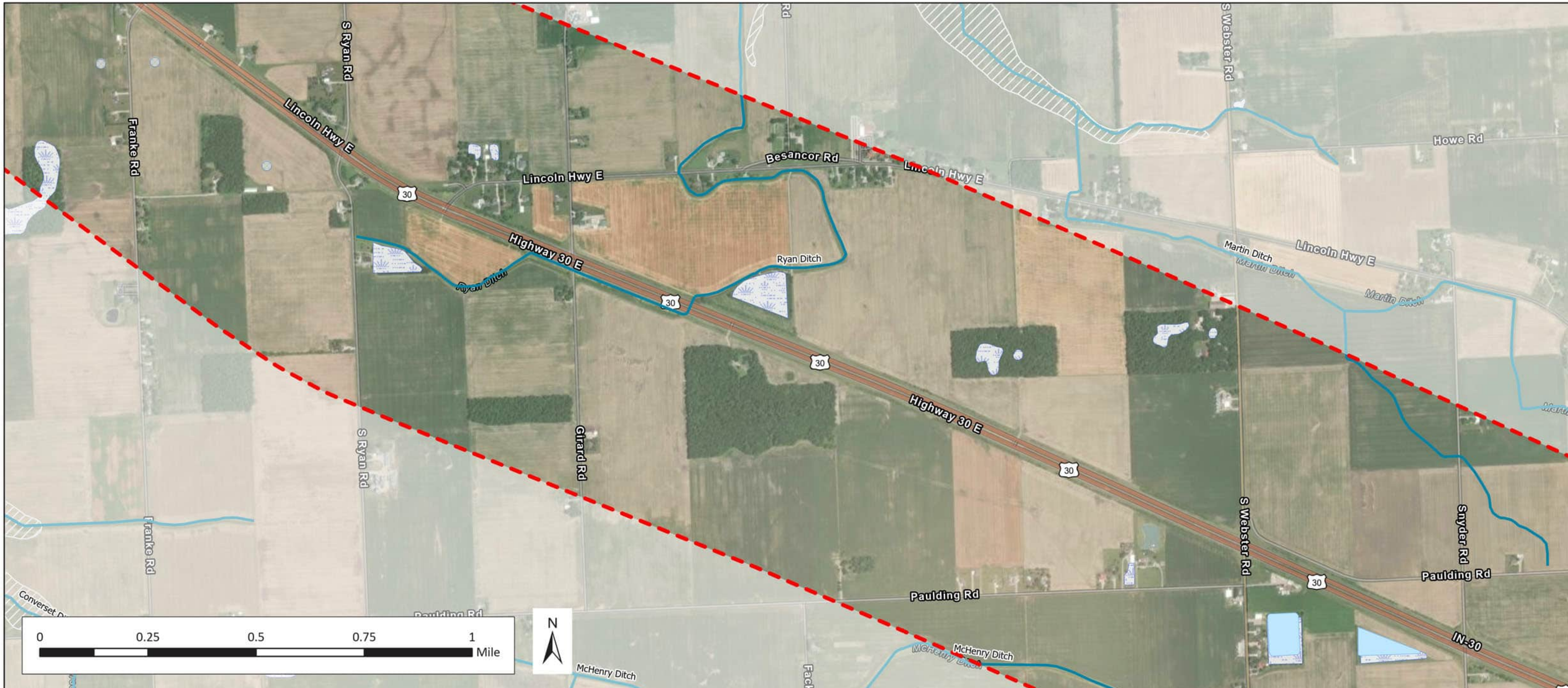

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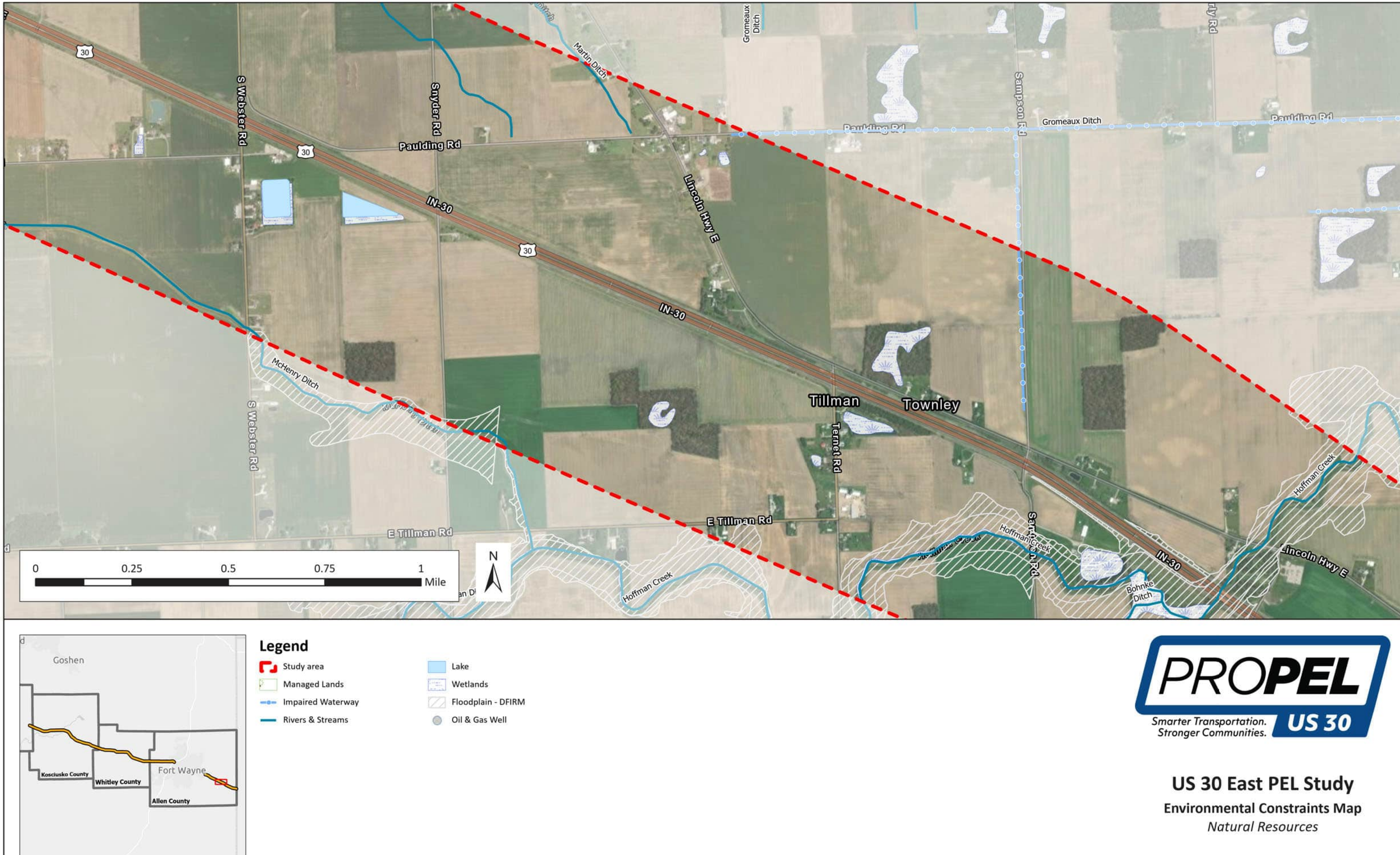

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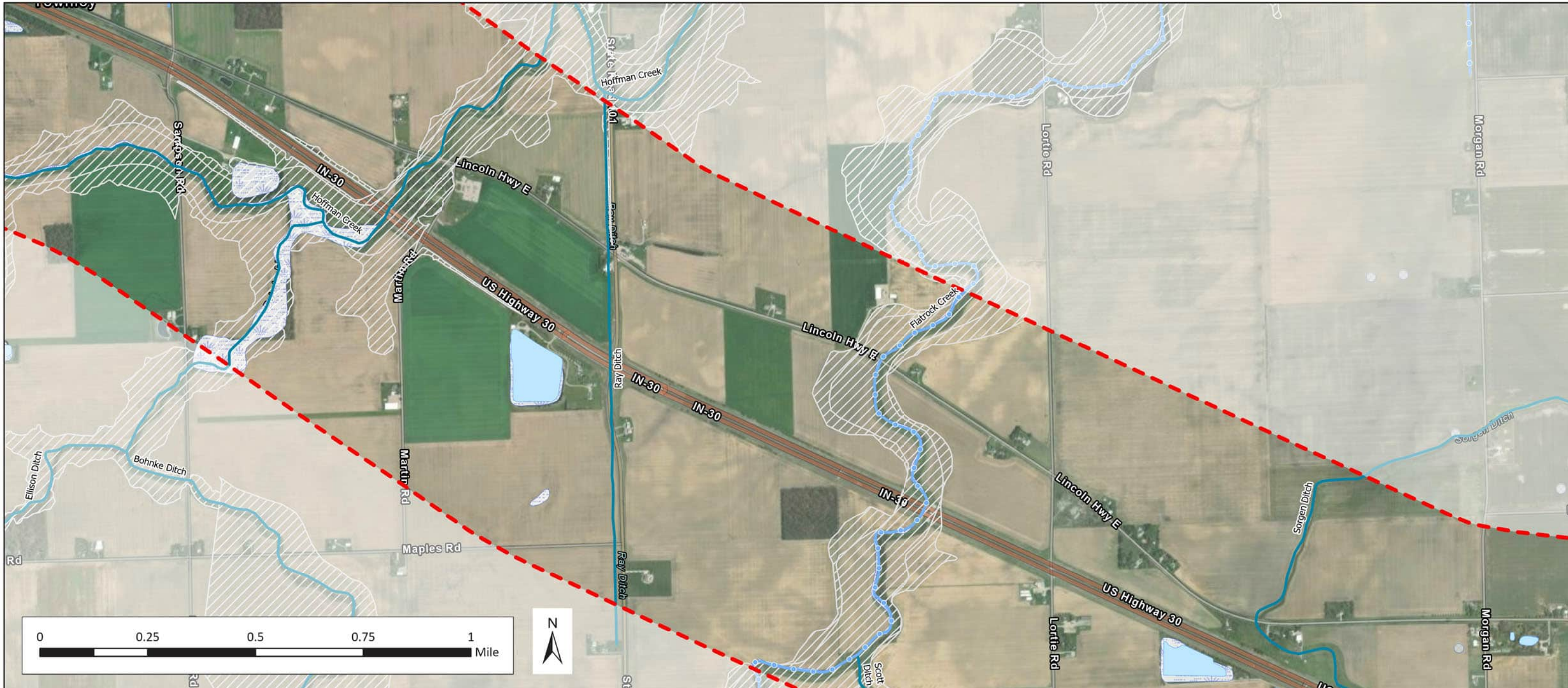

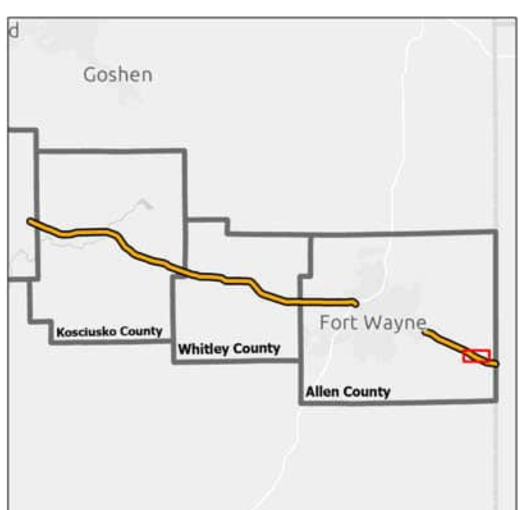

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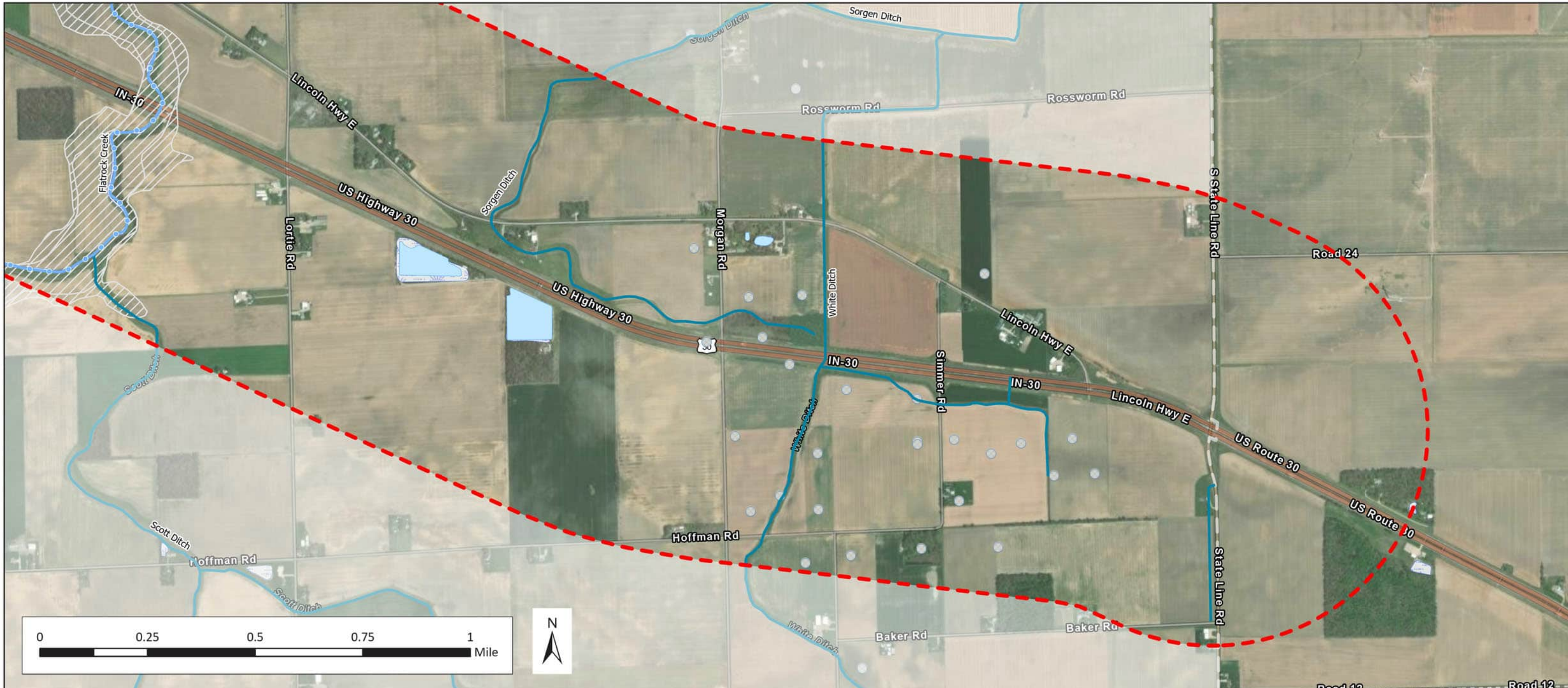

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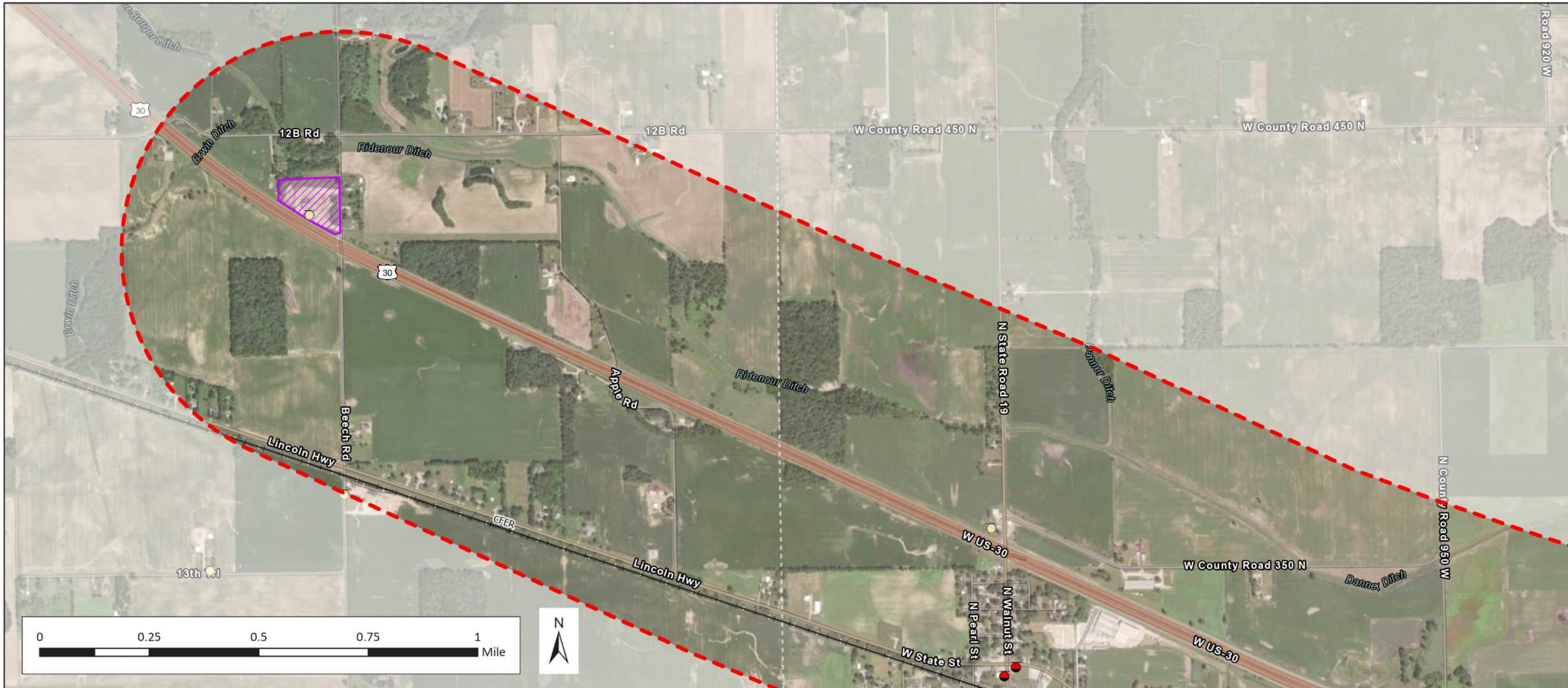
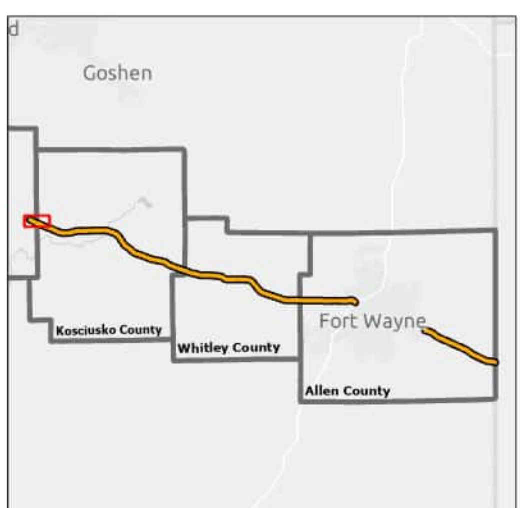
Environmental Constraints Maps
Hazardous Materials Series





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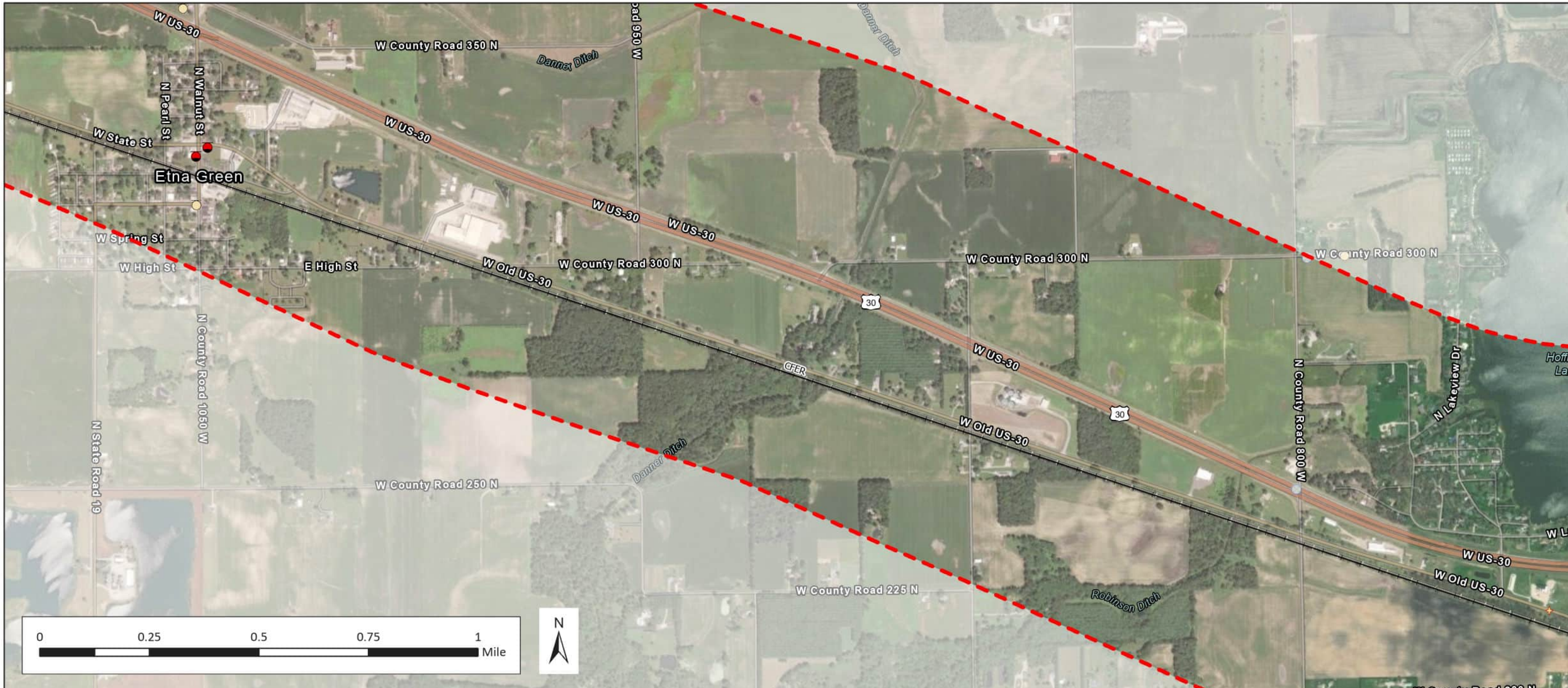

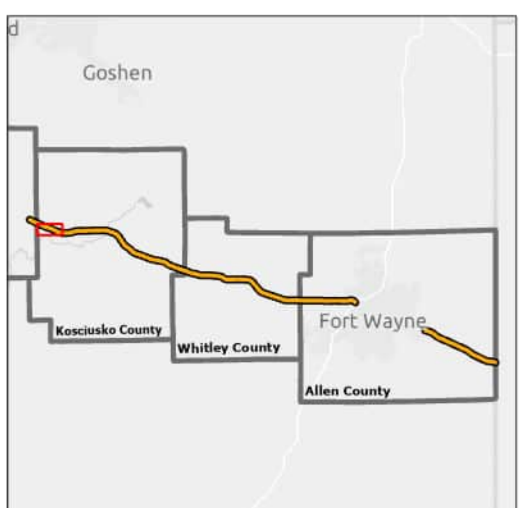

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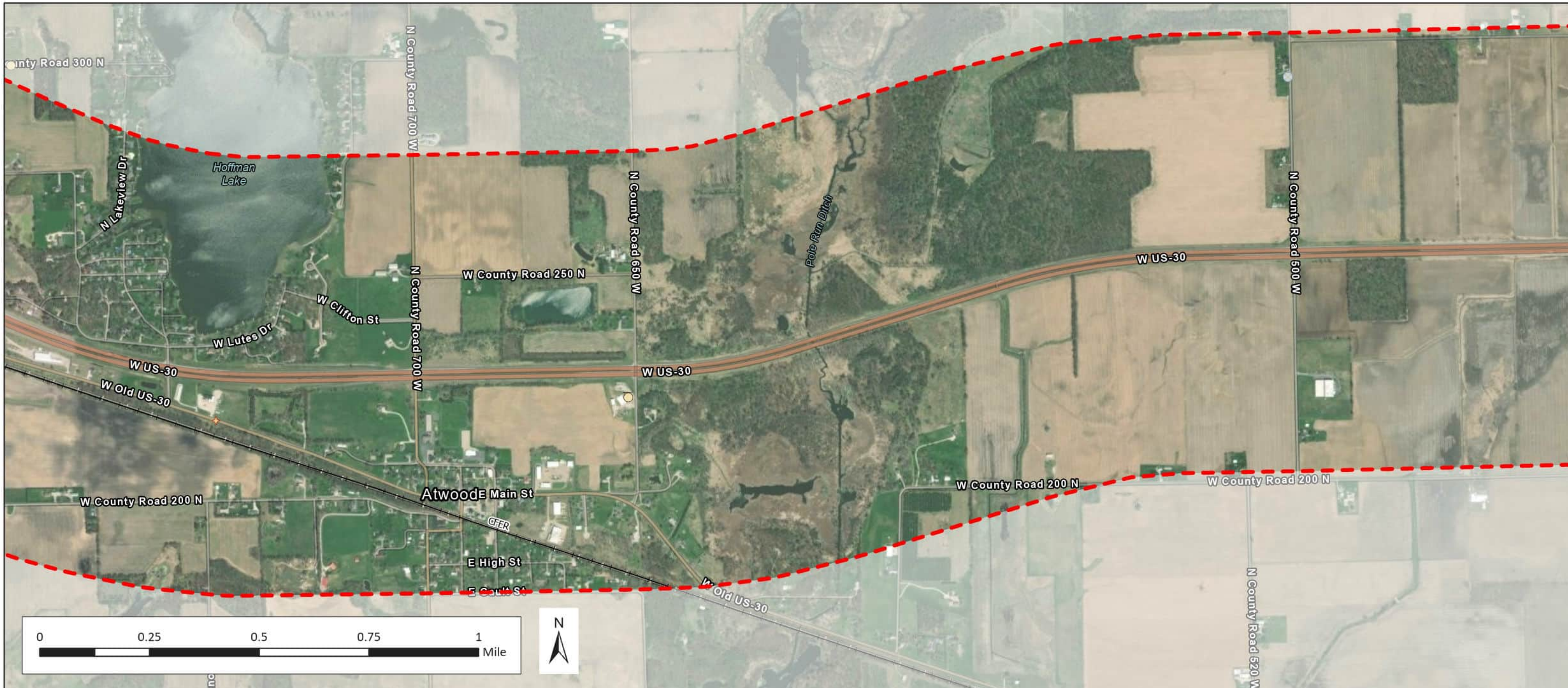

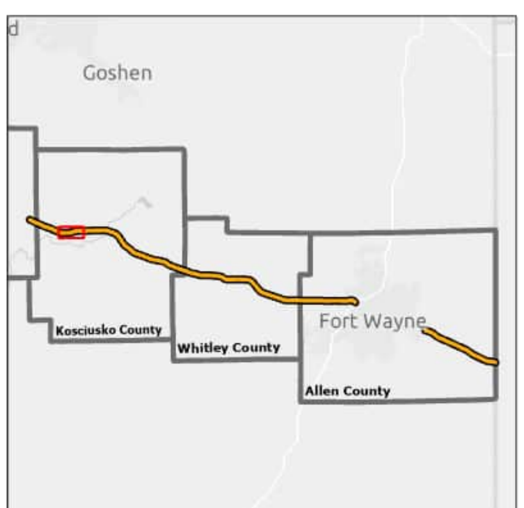

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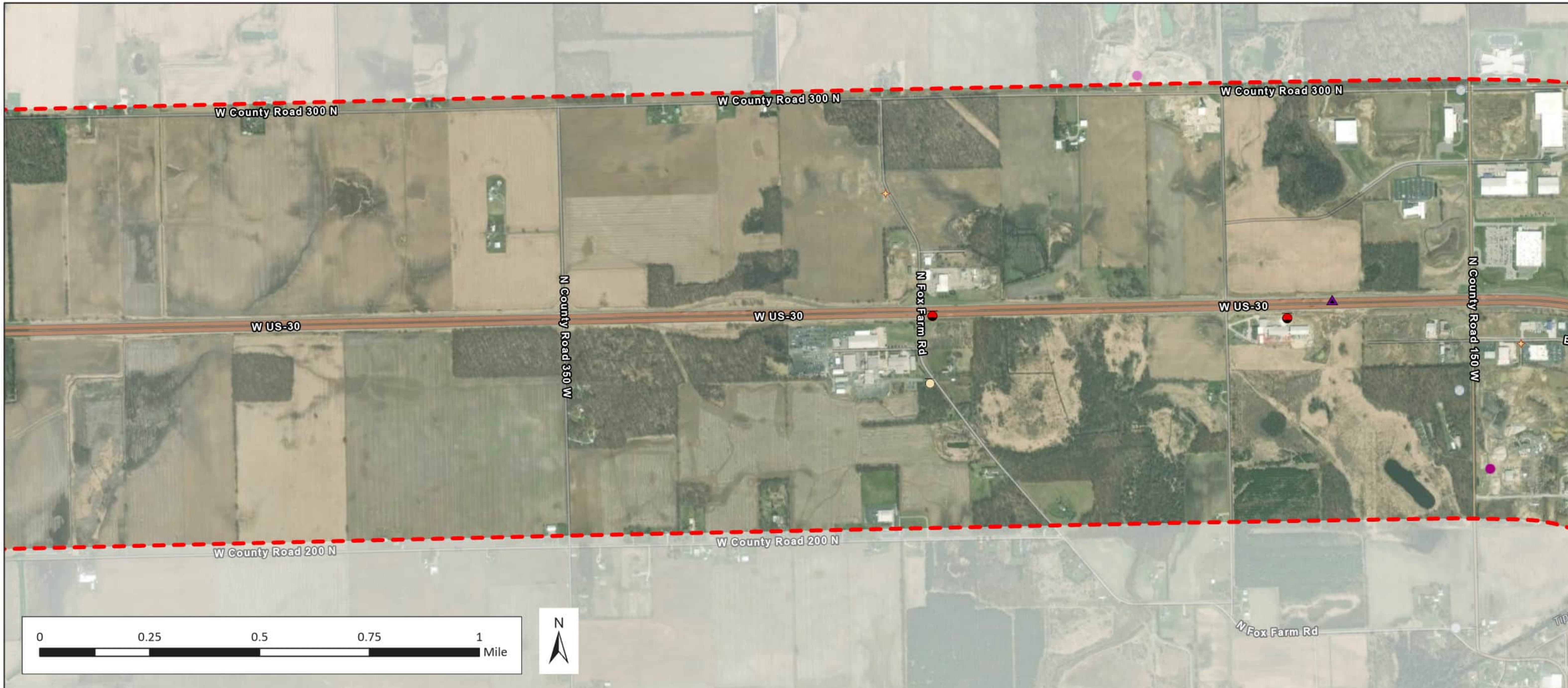

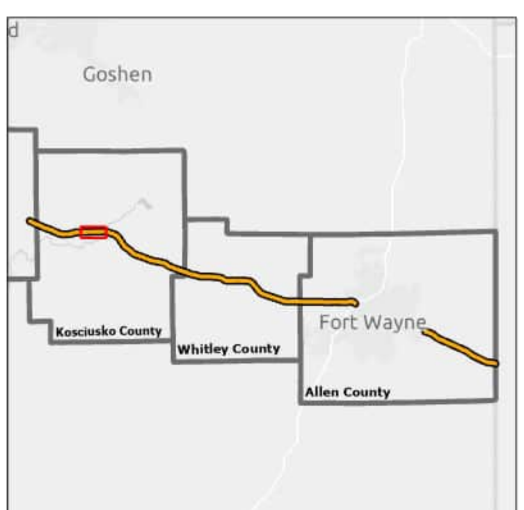

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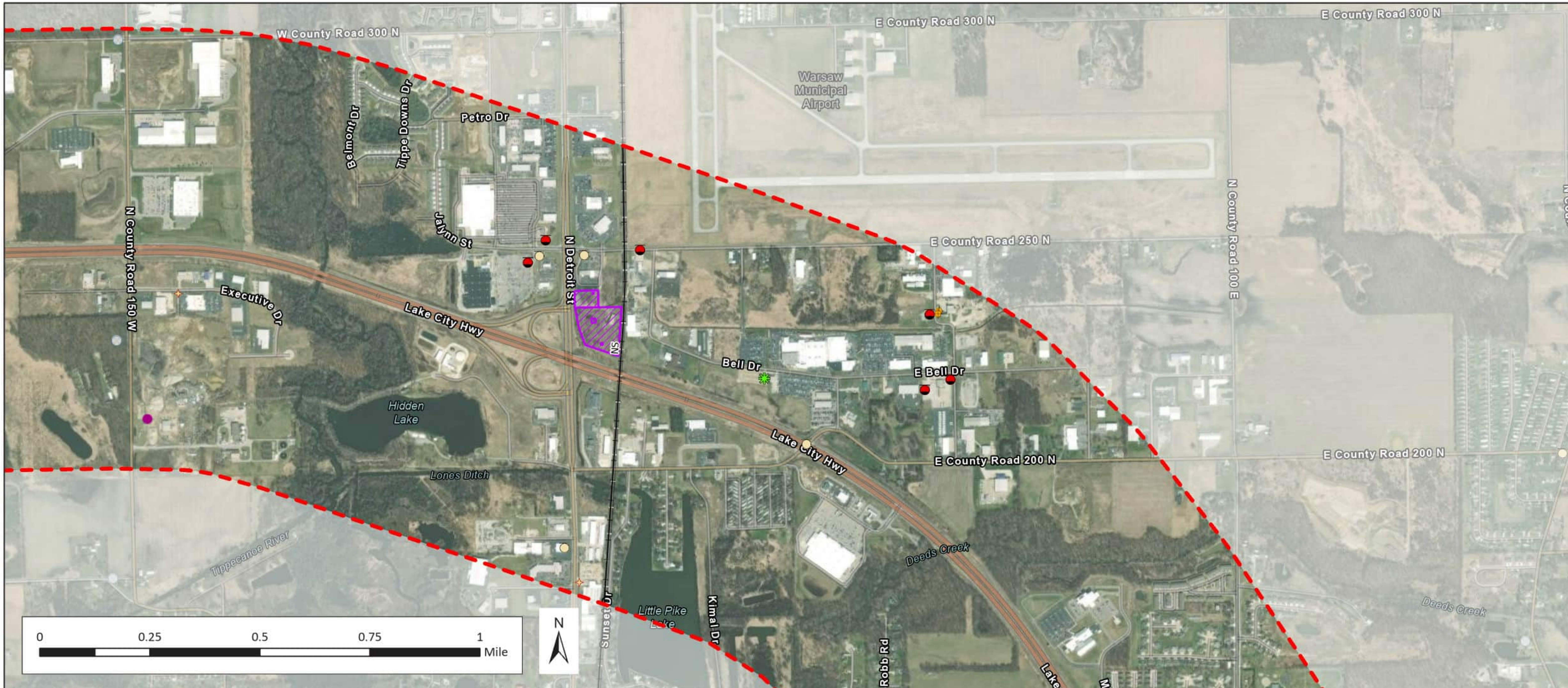

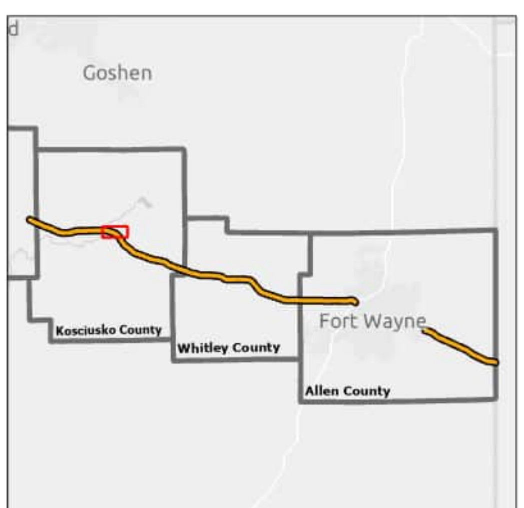

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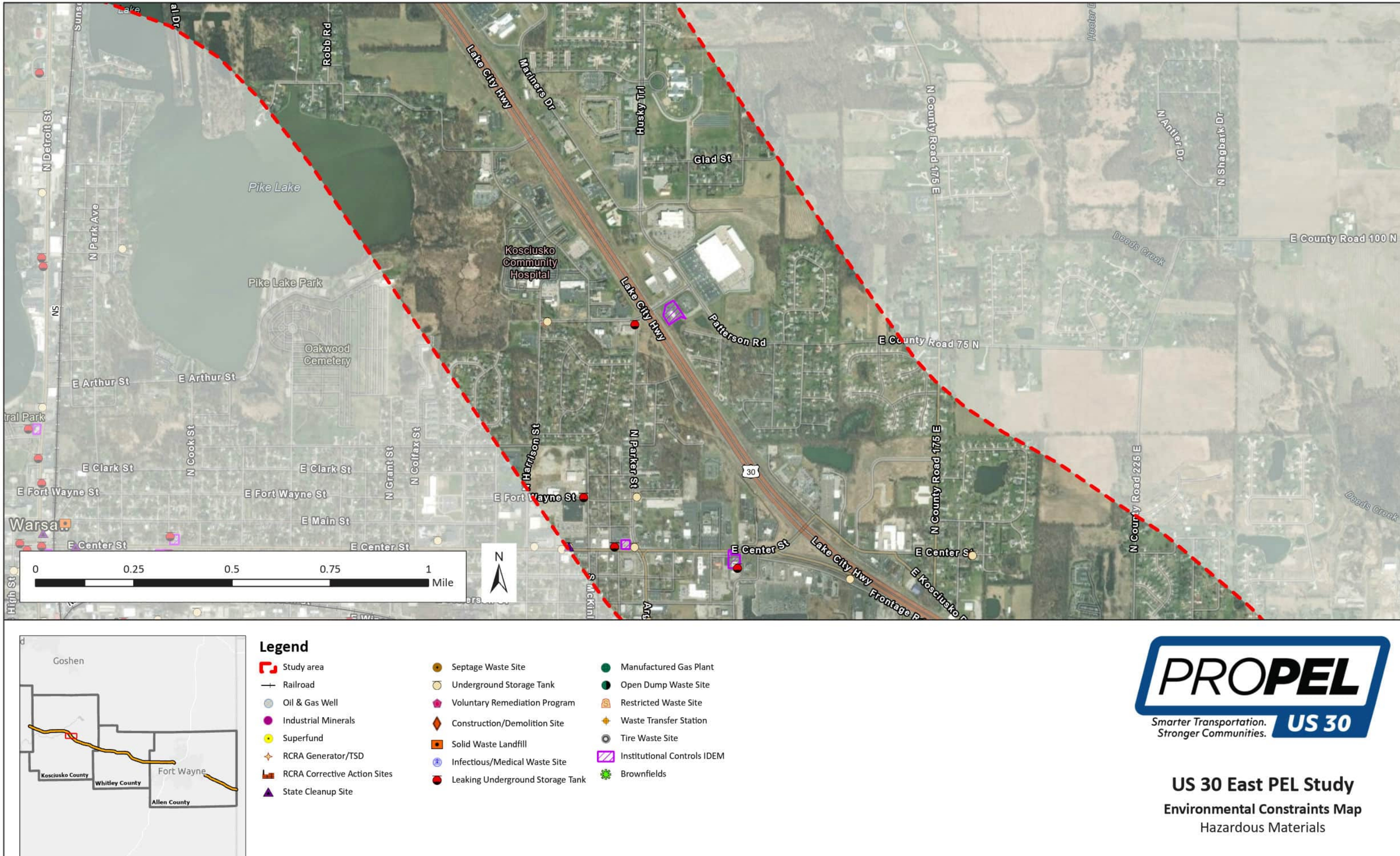

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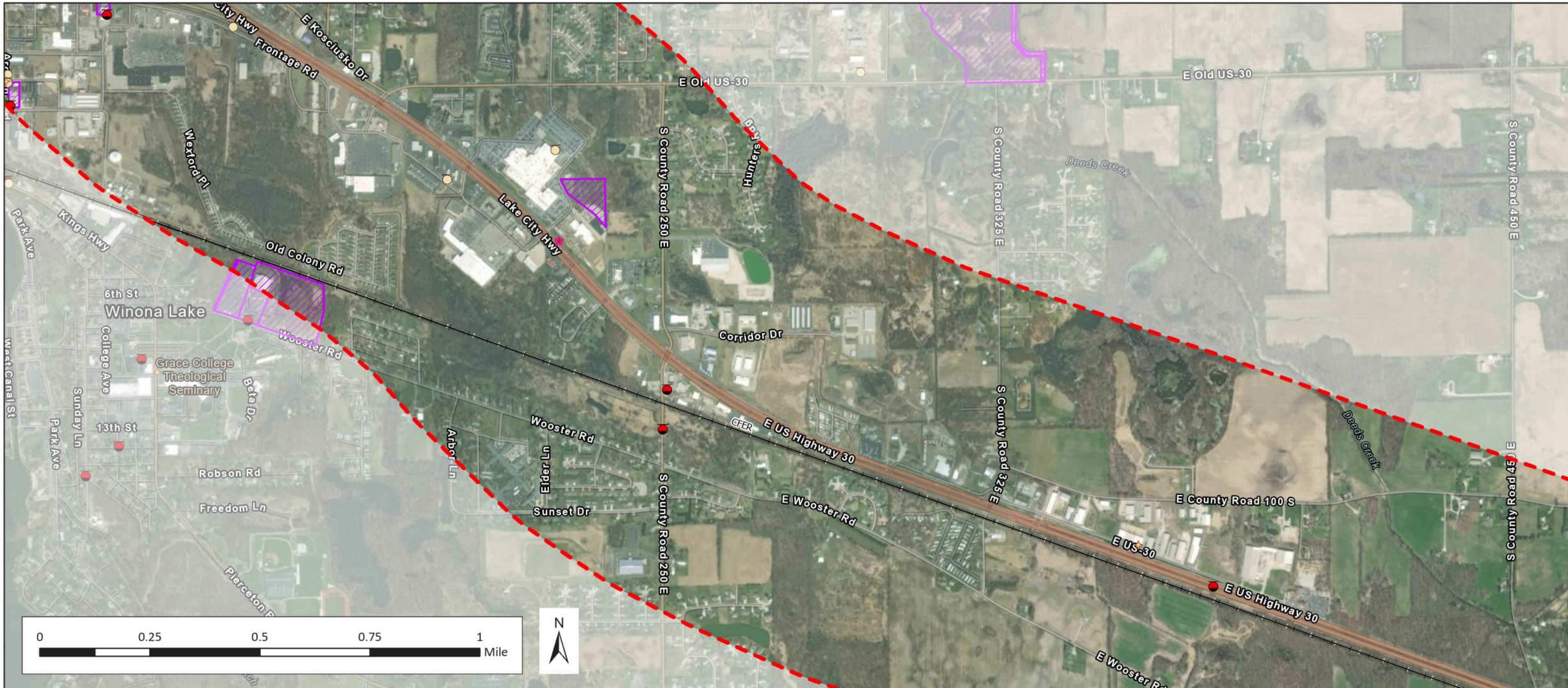

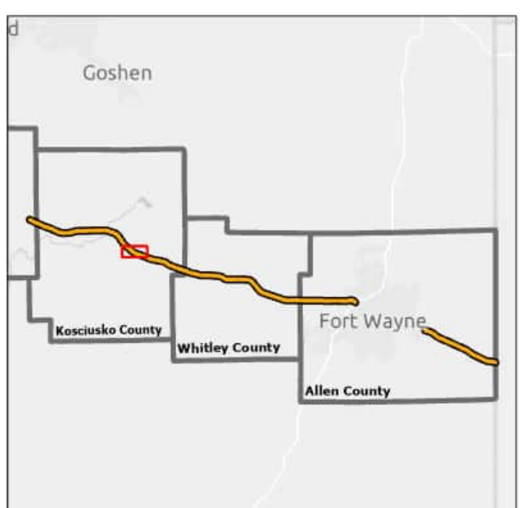

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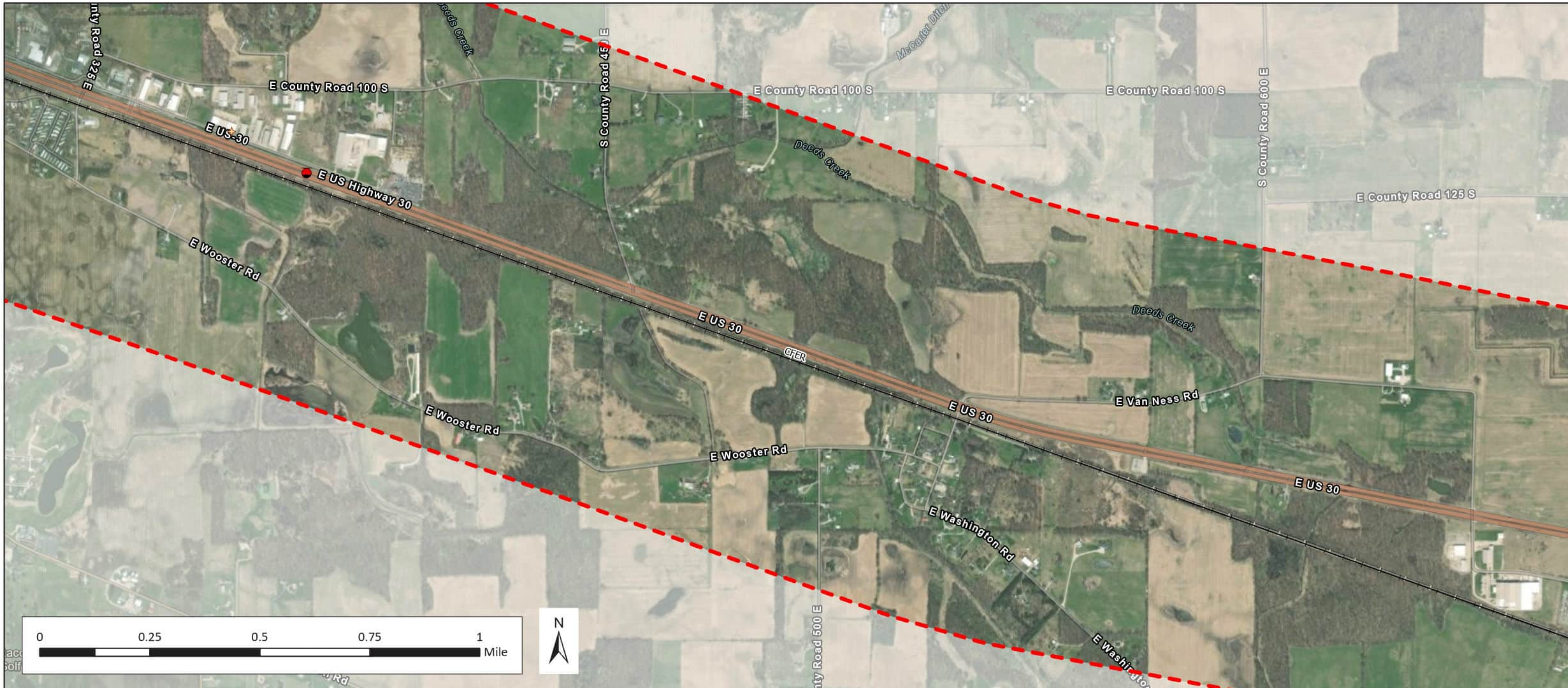

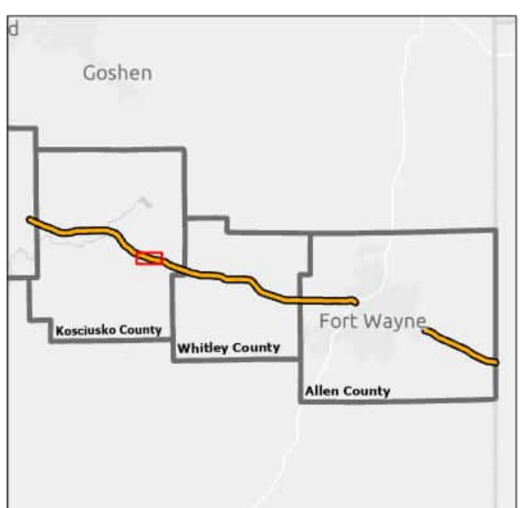

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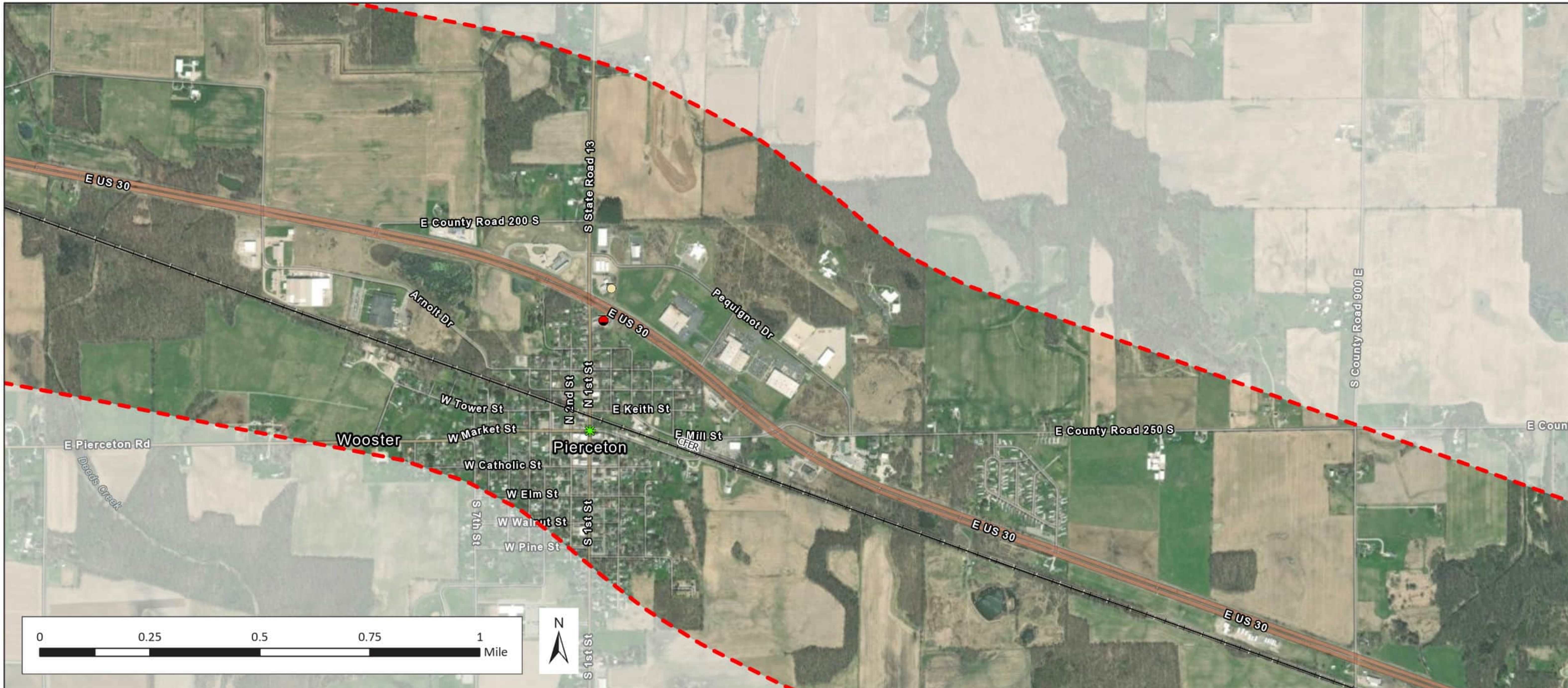

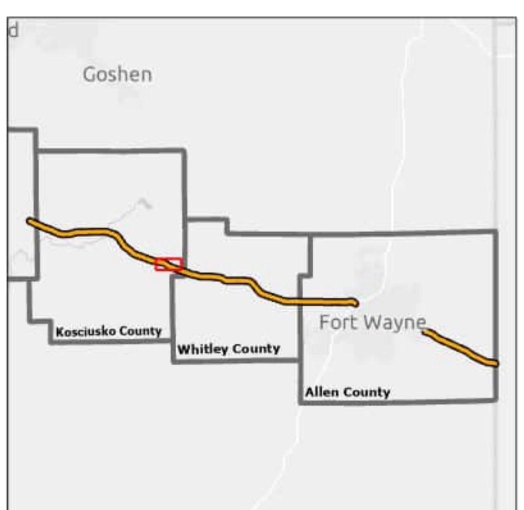

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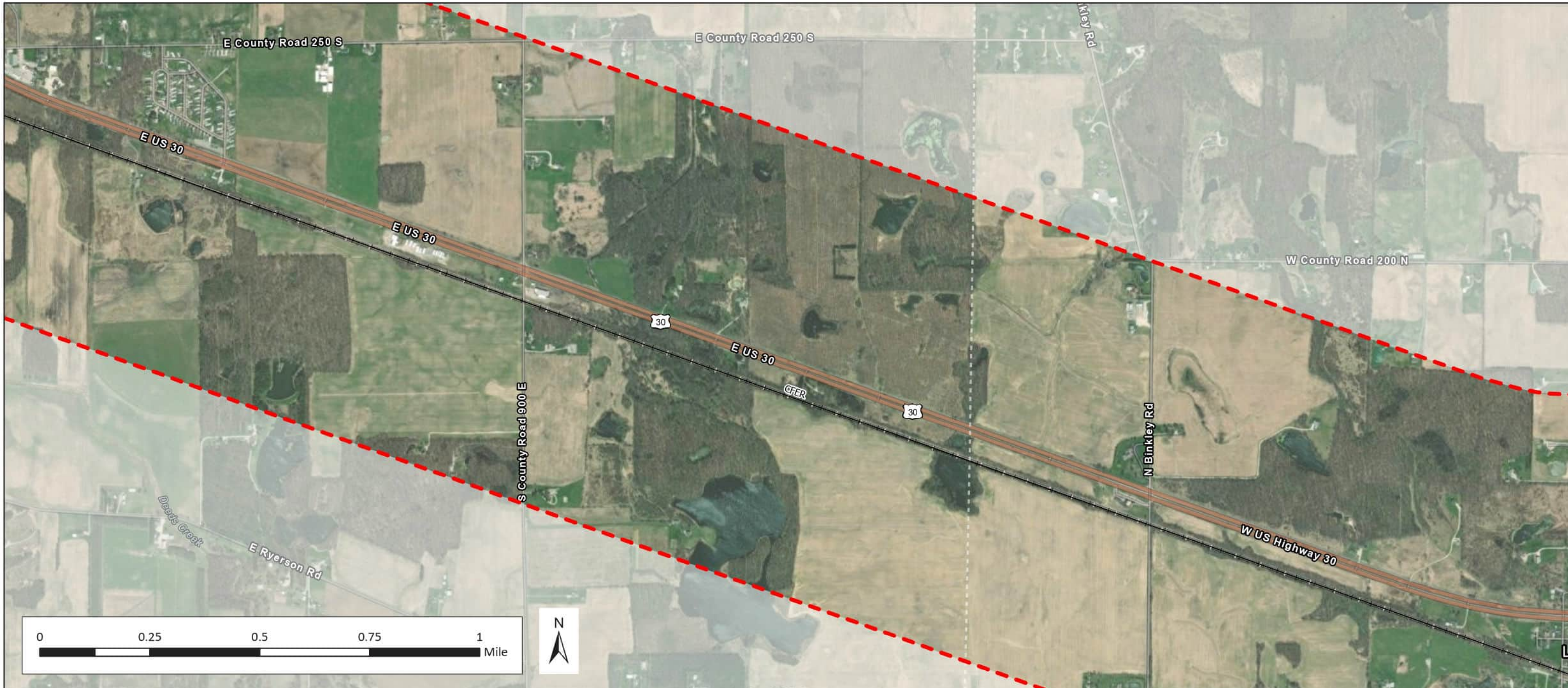

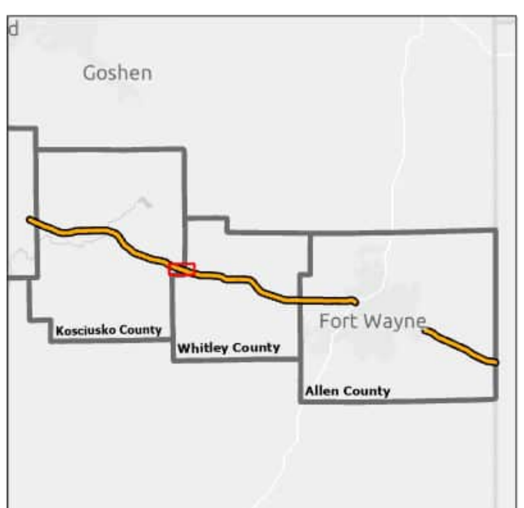

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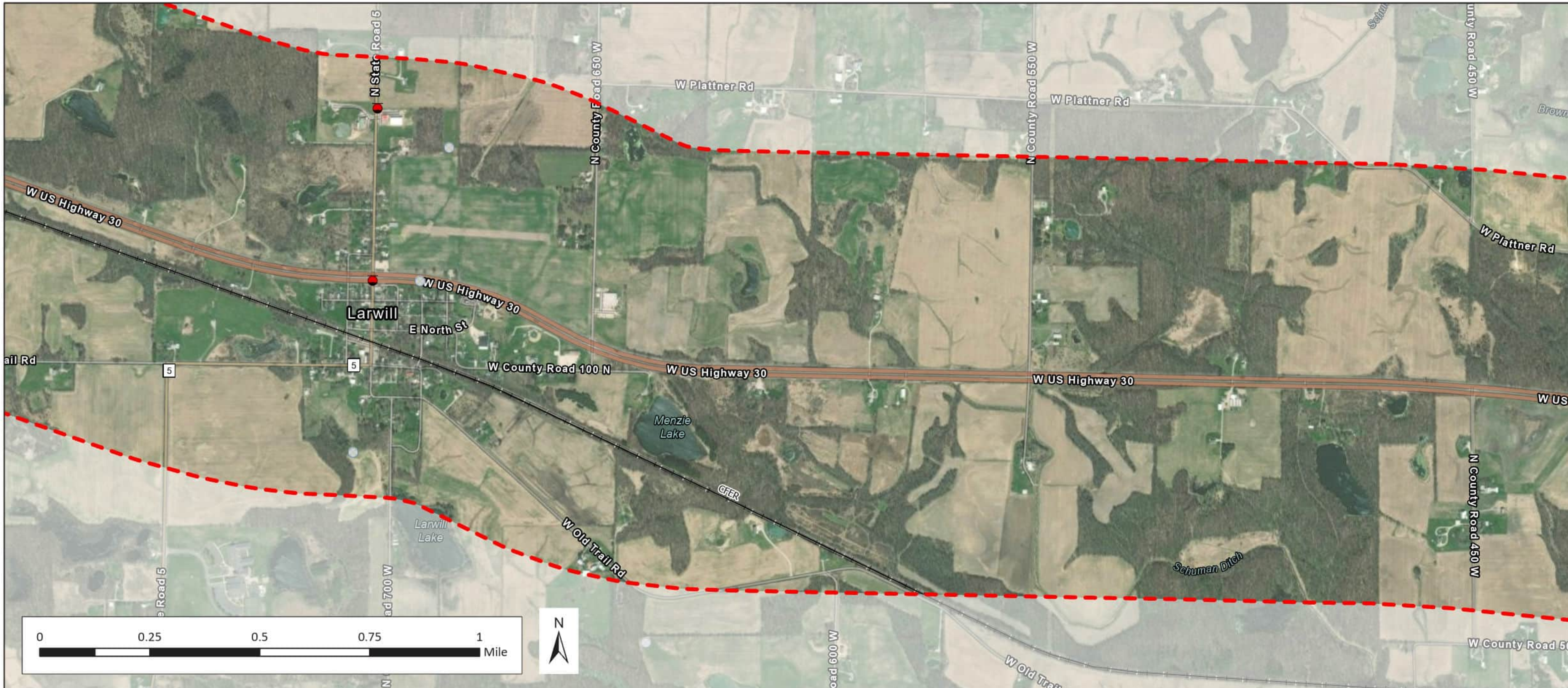

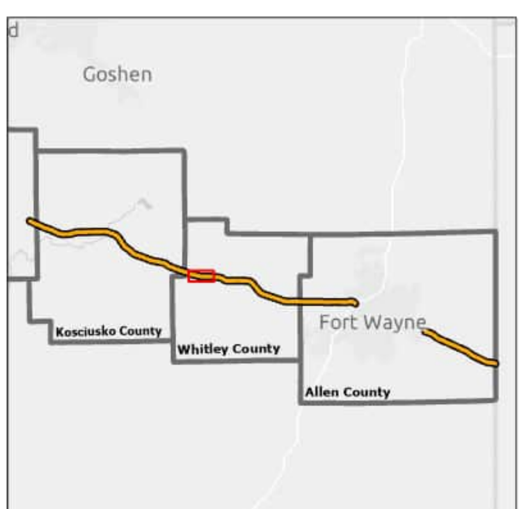

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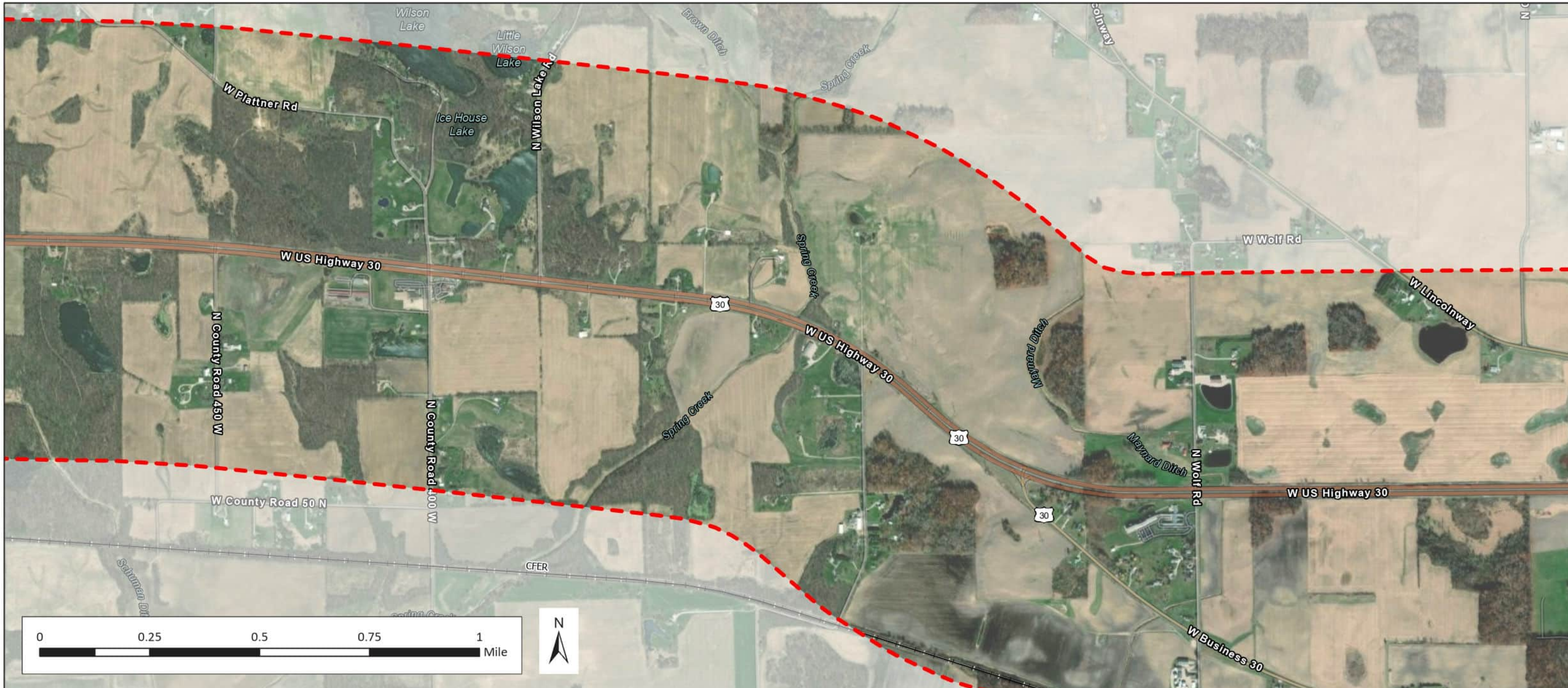

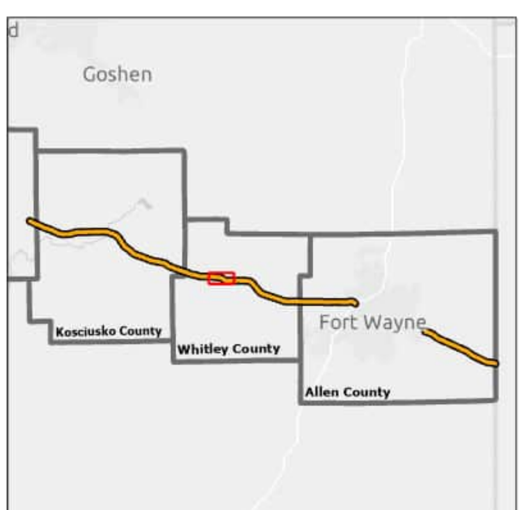

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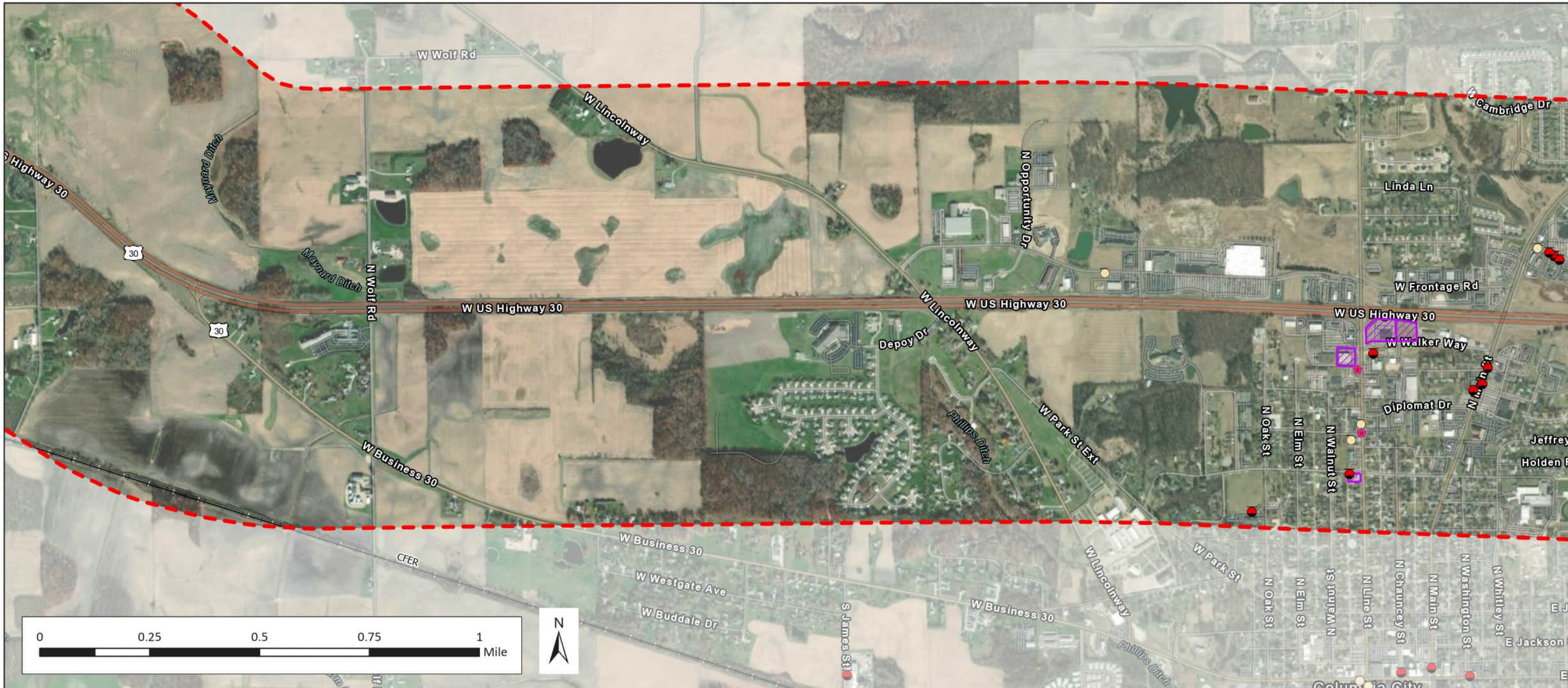

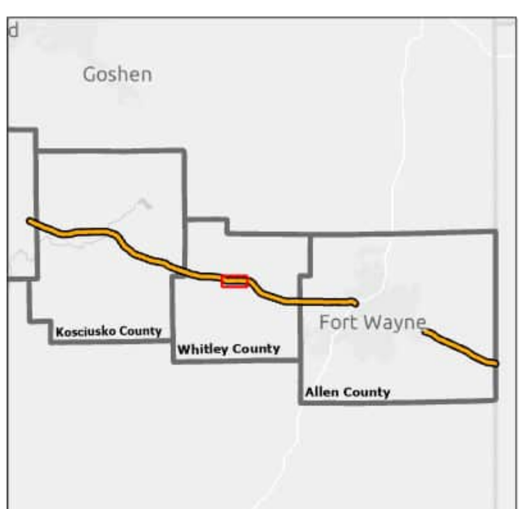

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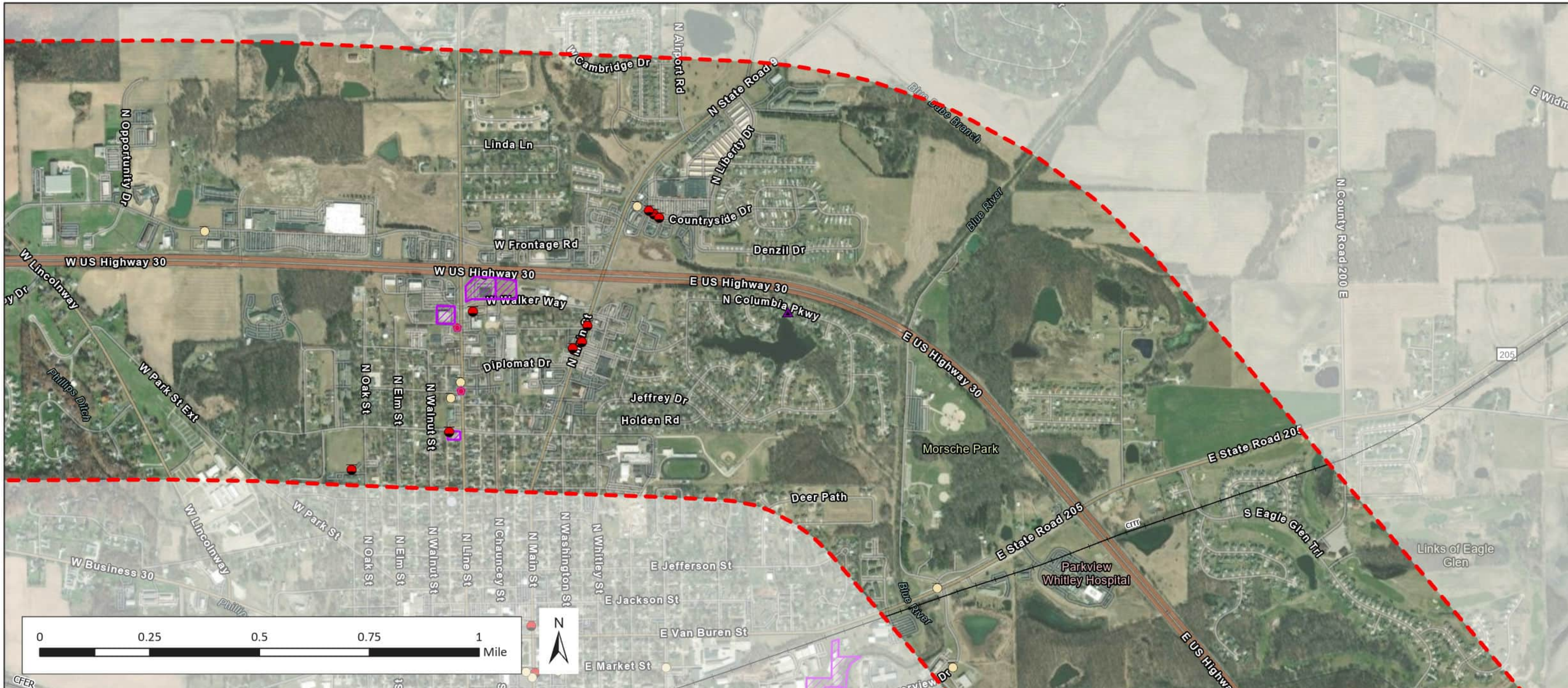

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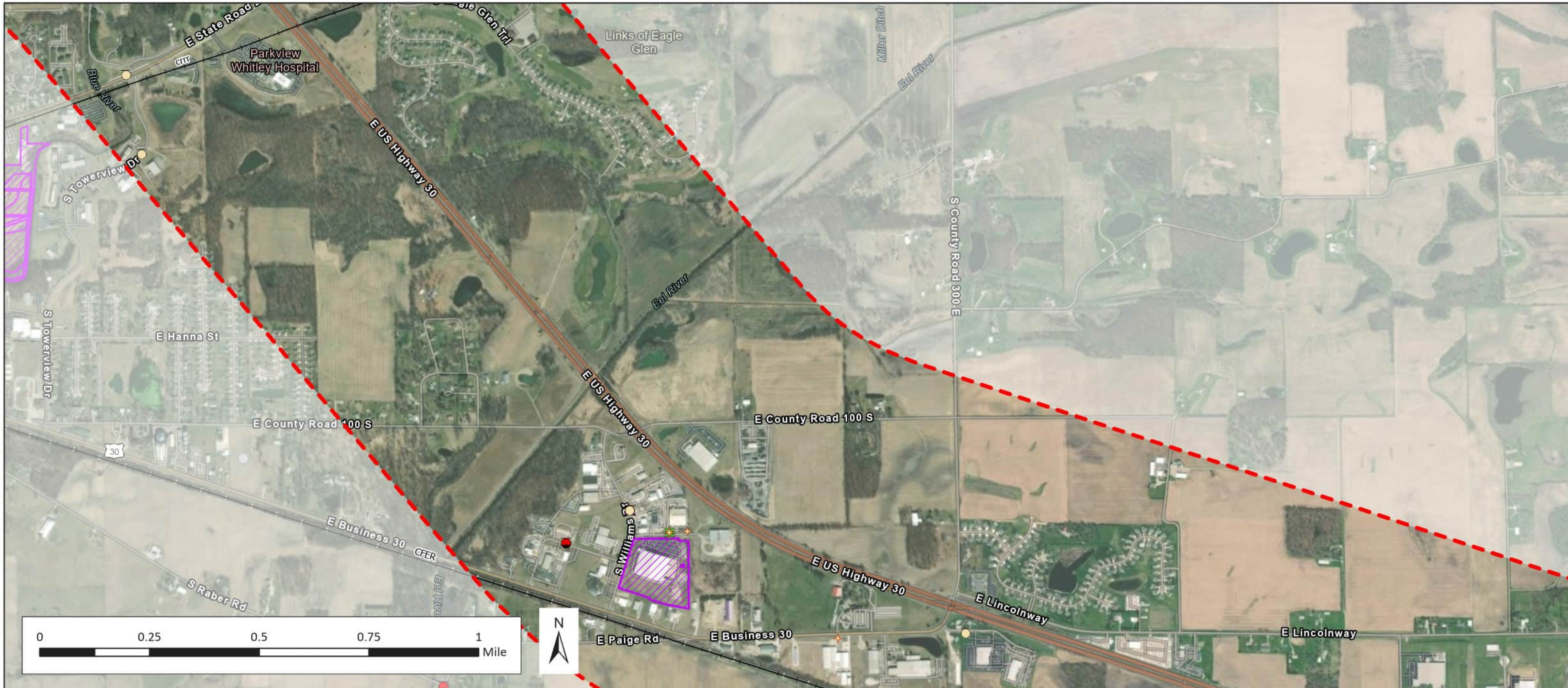

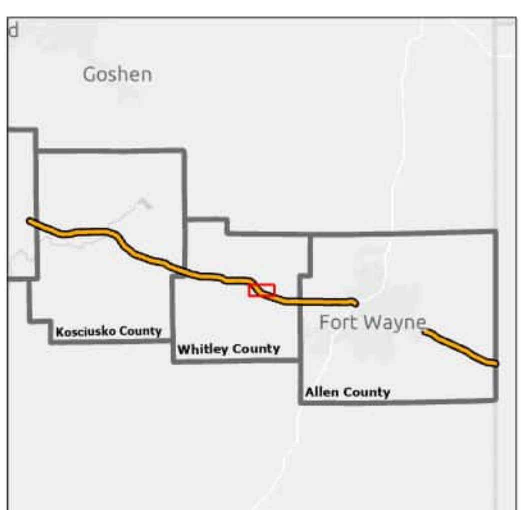

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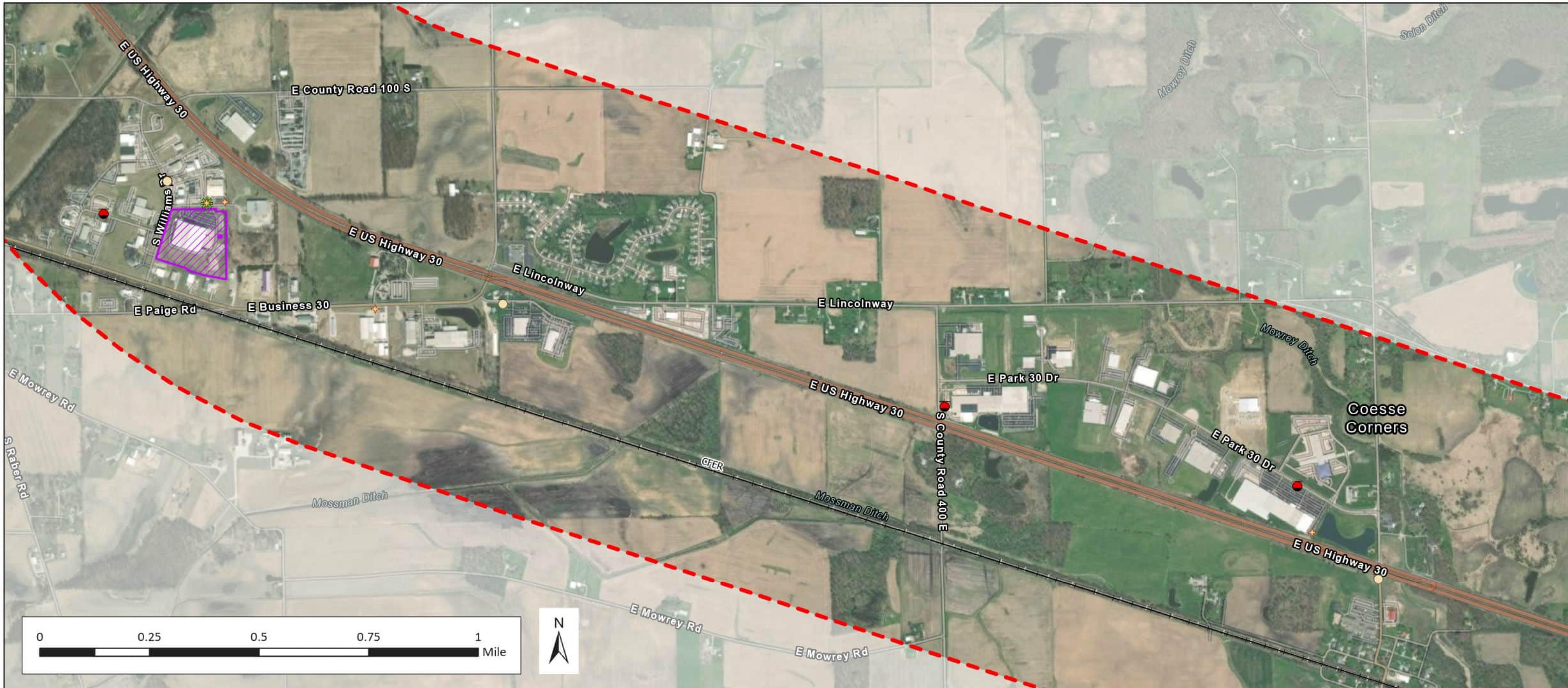

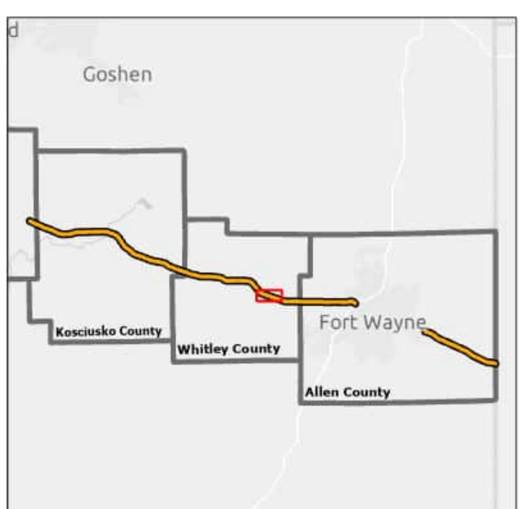

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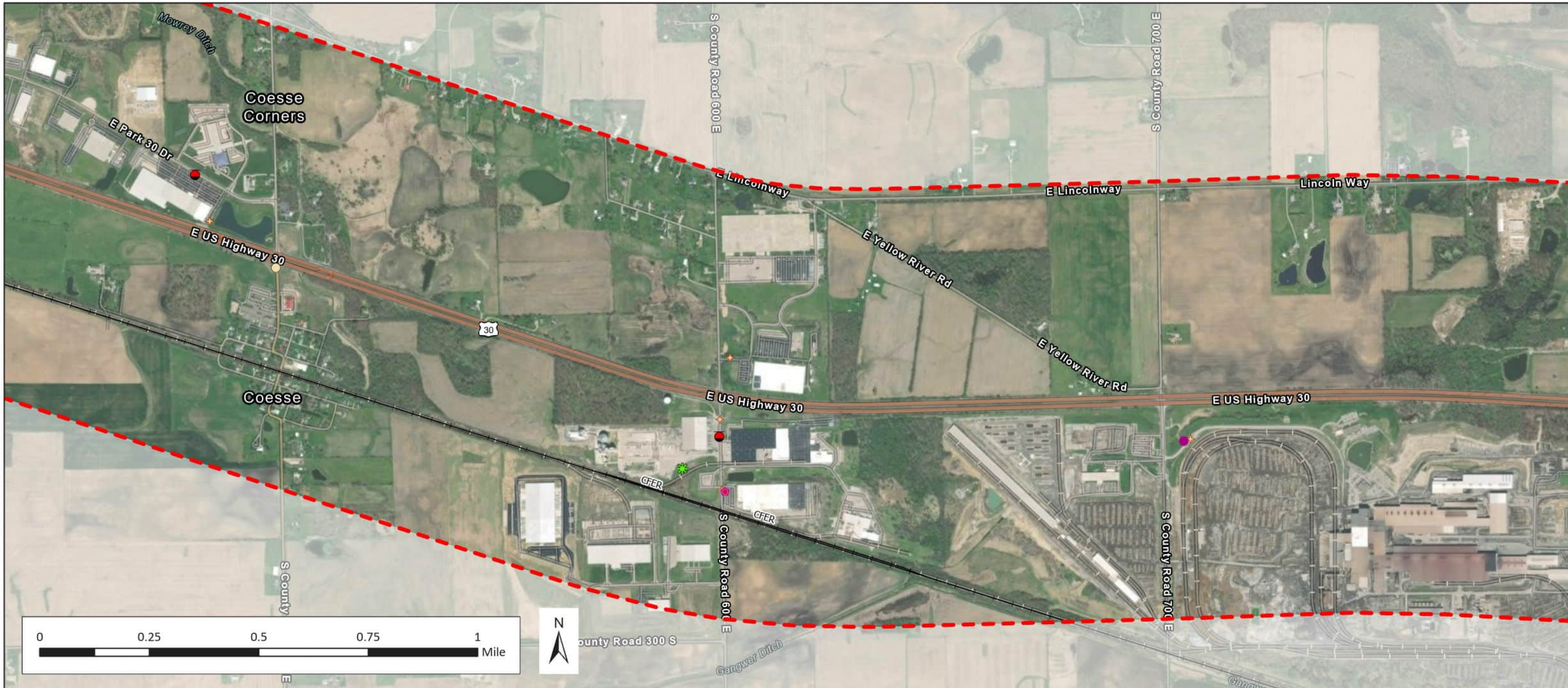

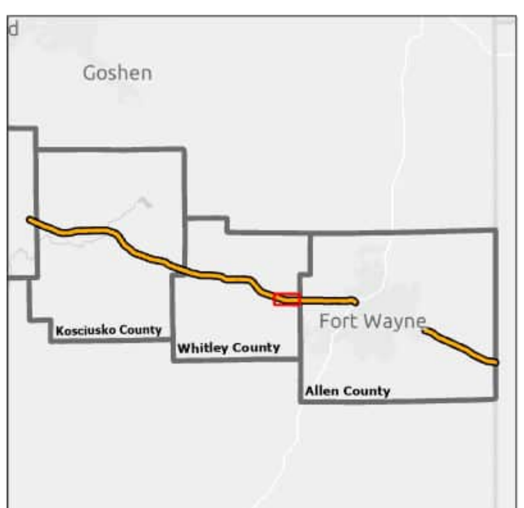

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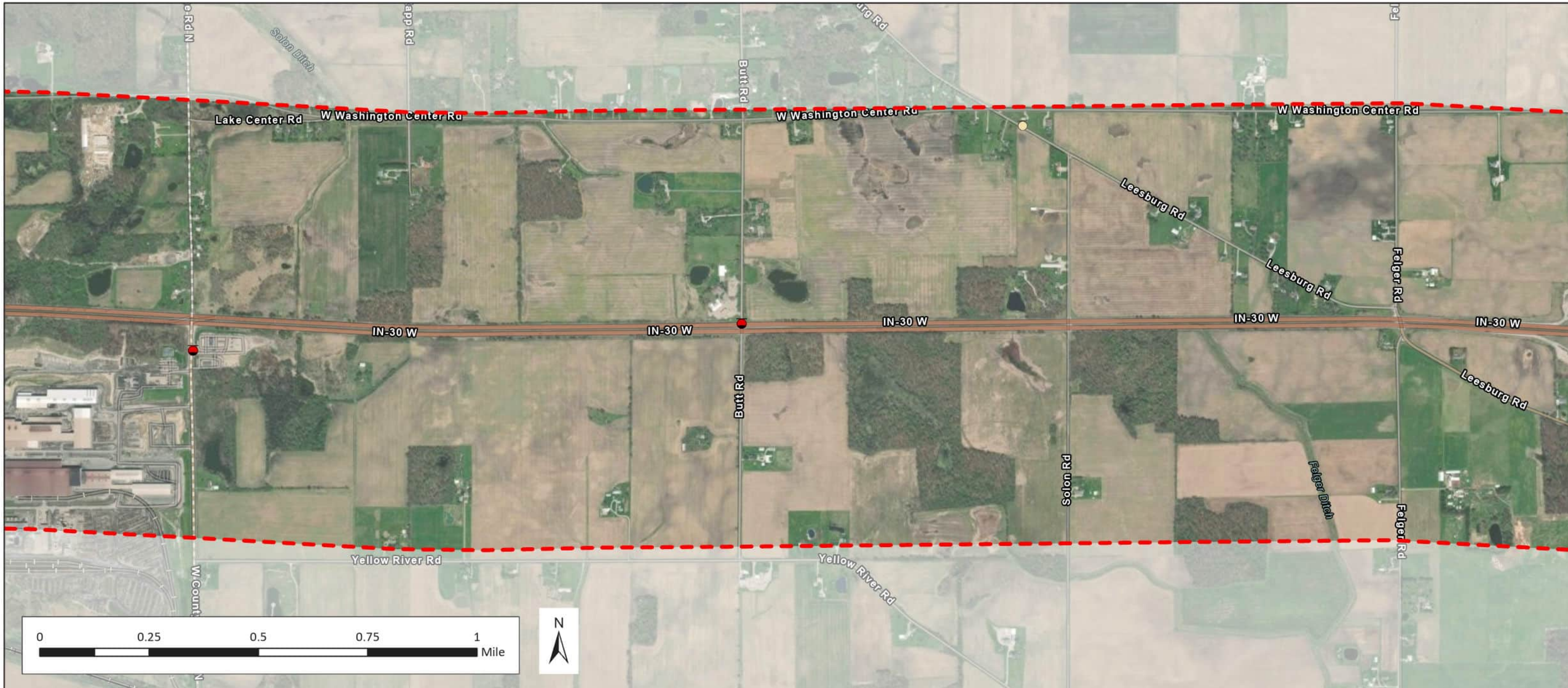

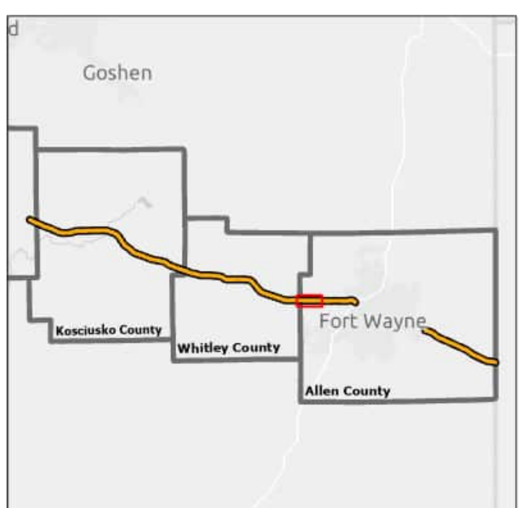

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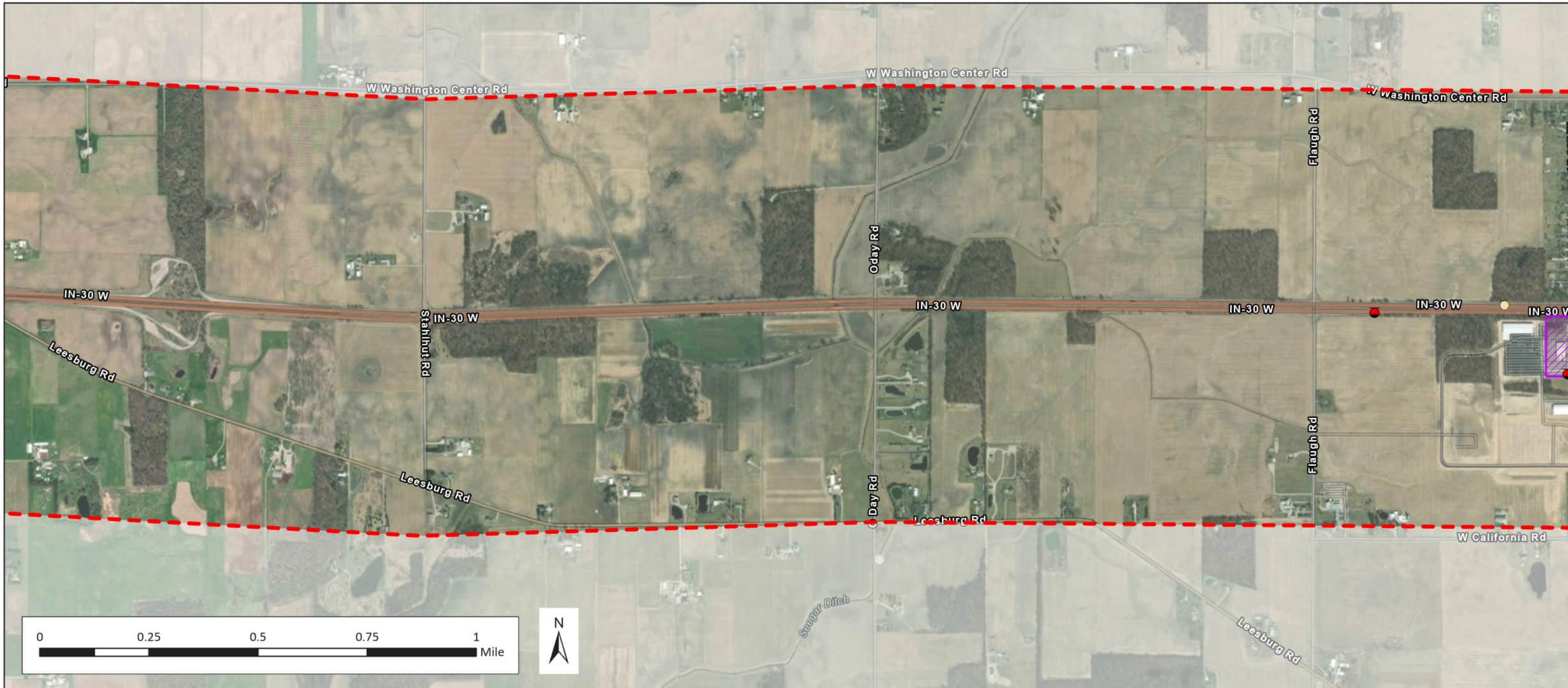

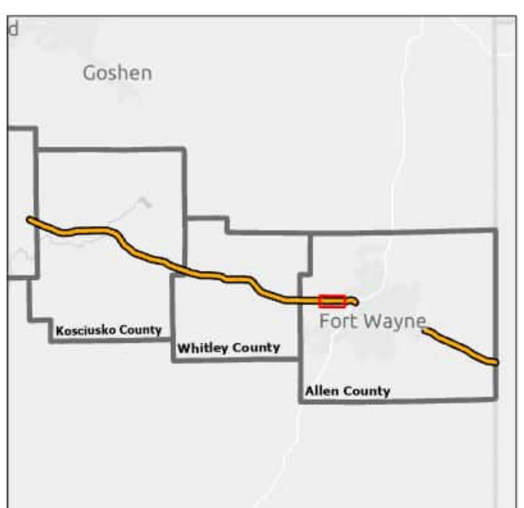

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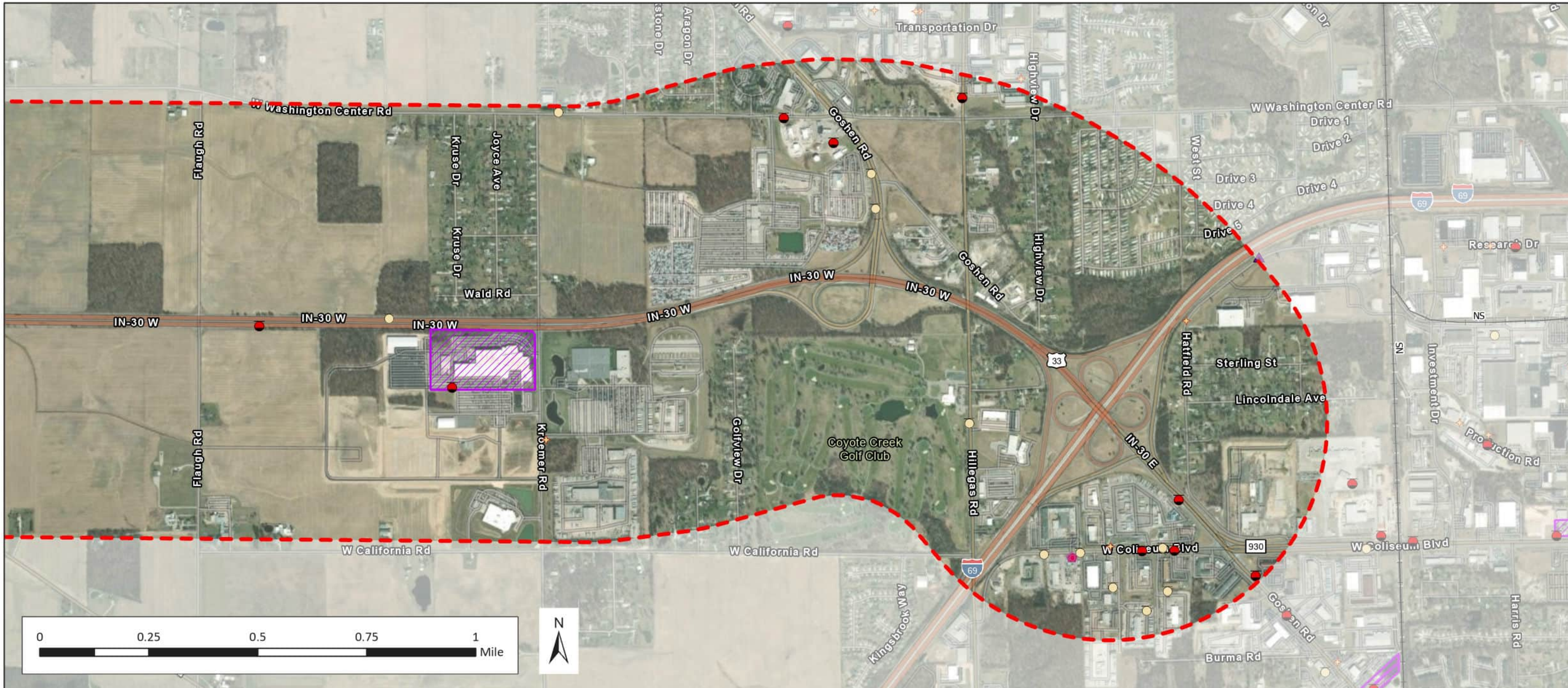

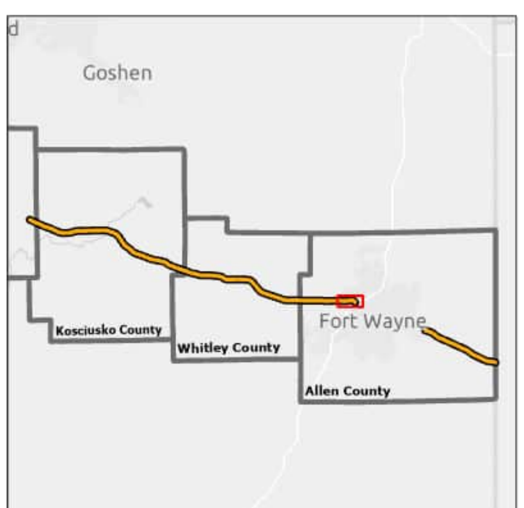

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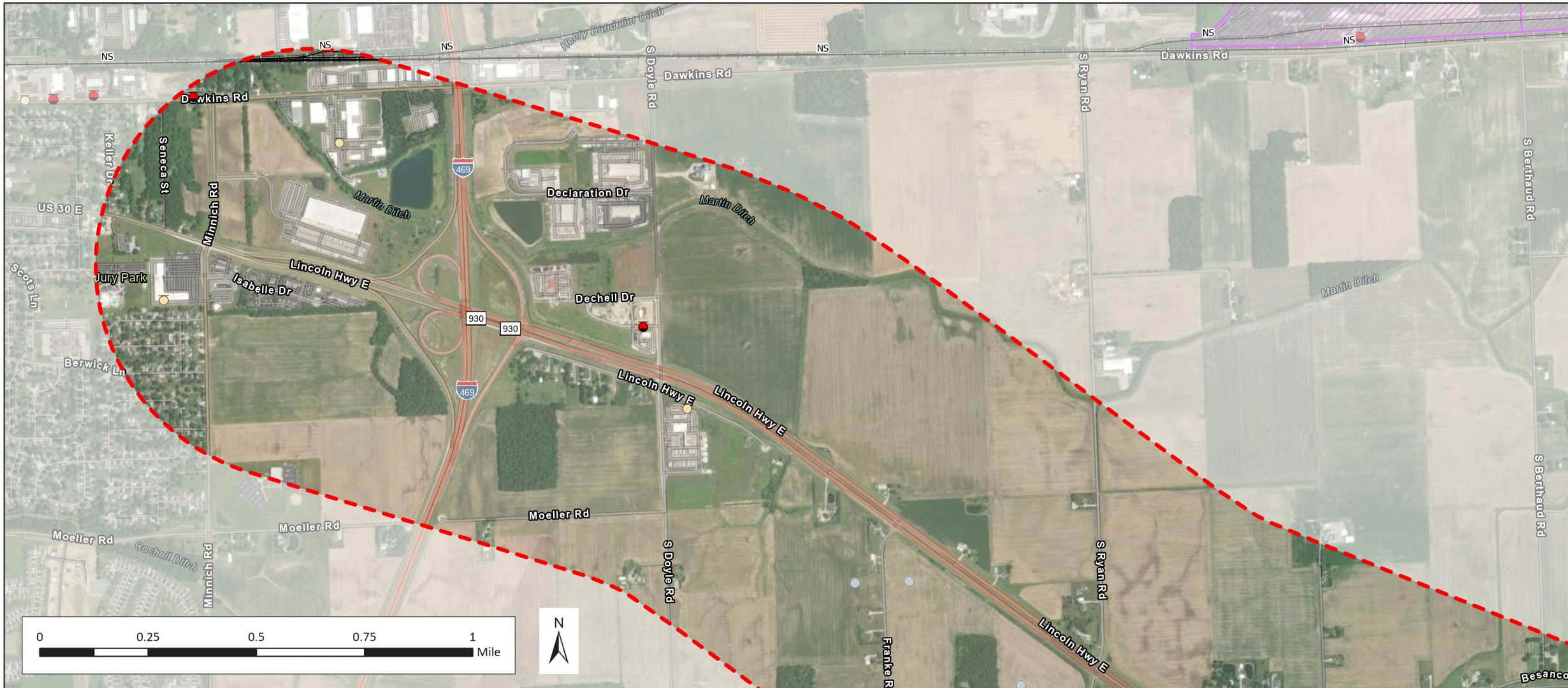

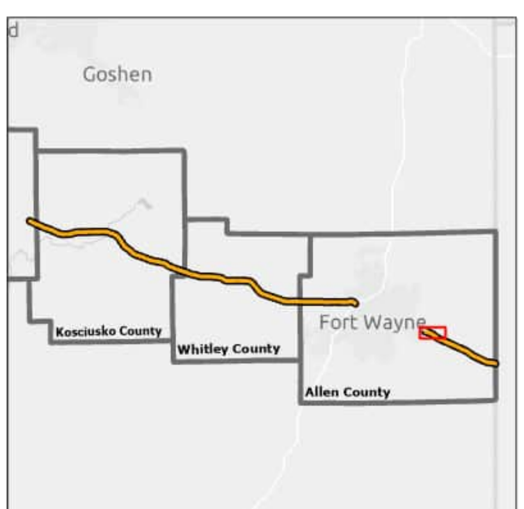

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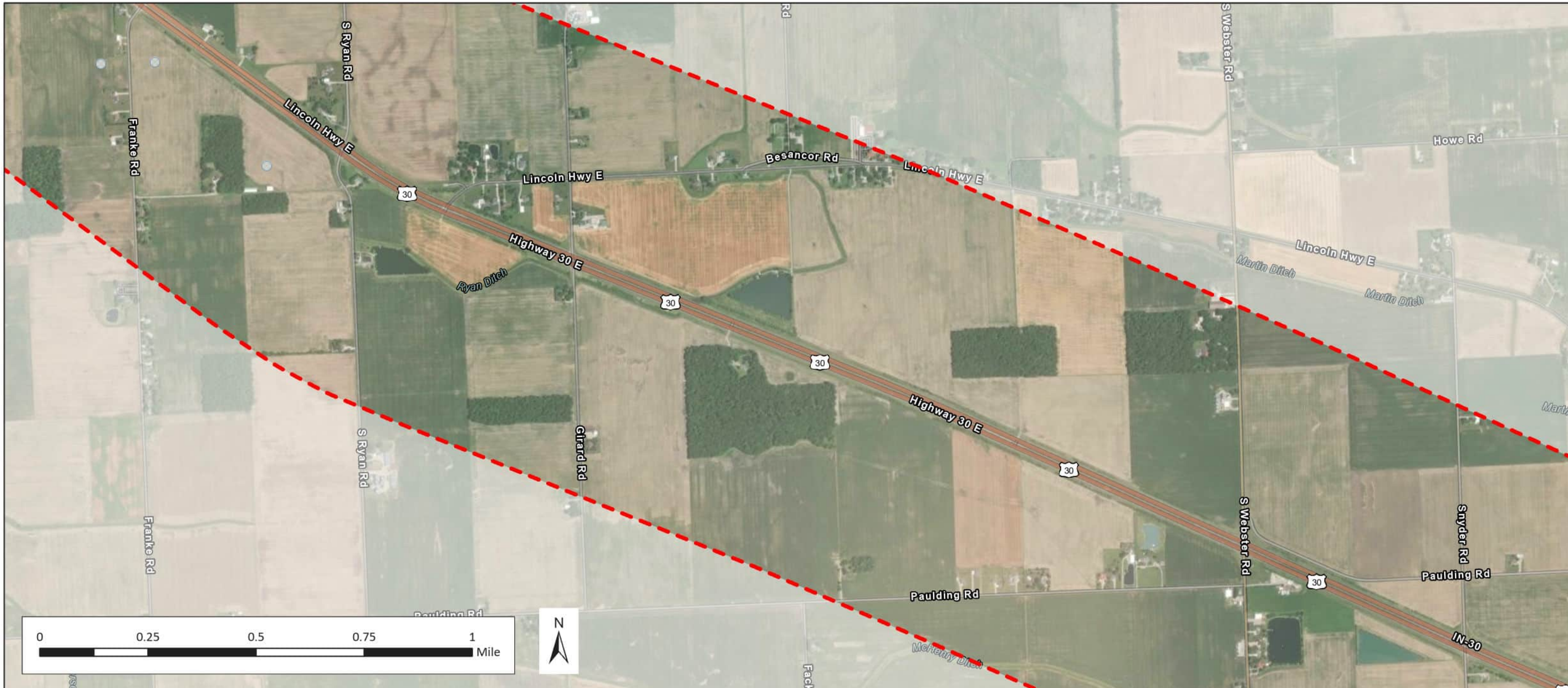

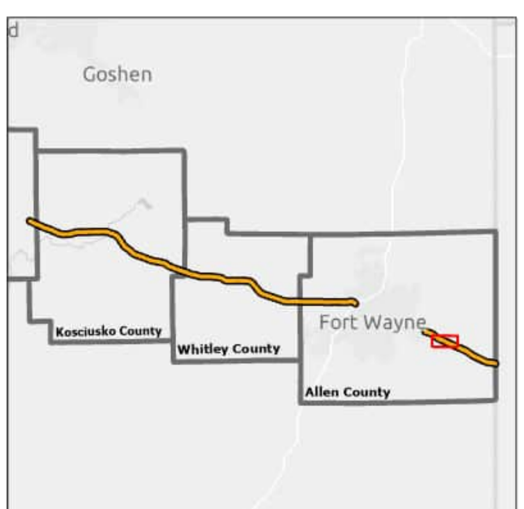

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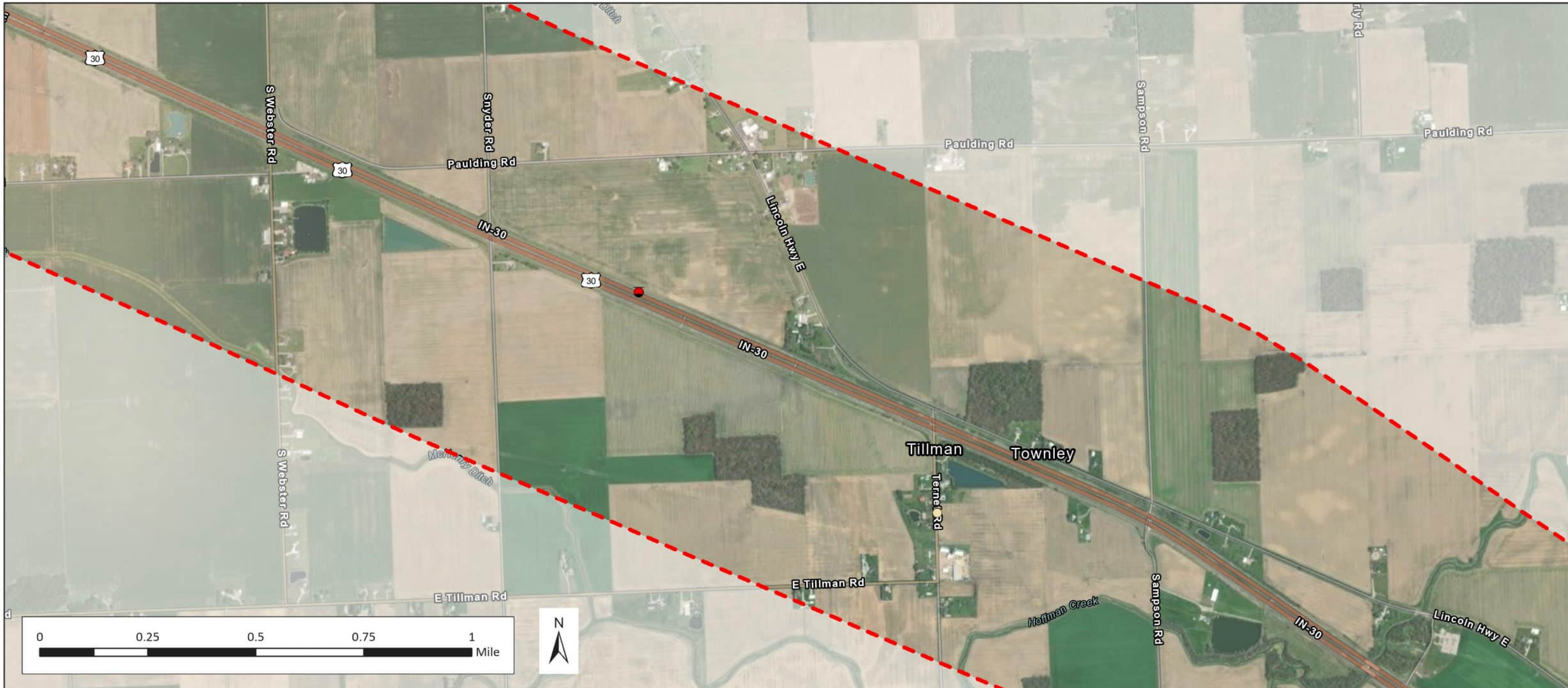

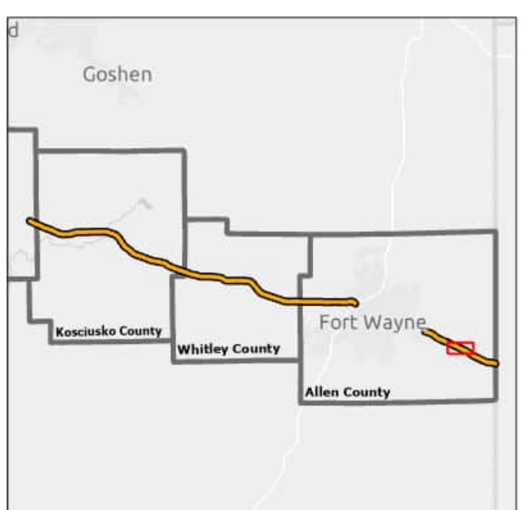

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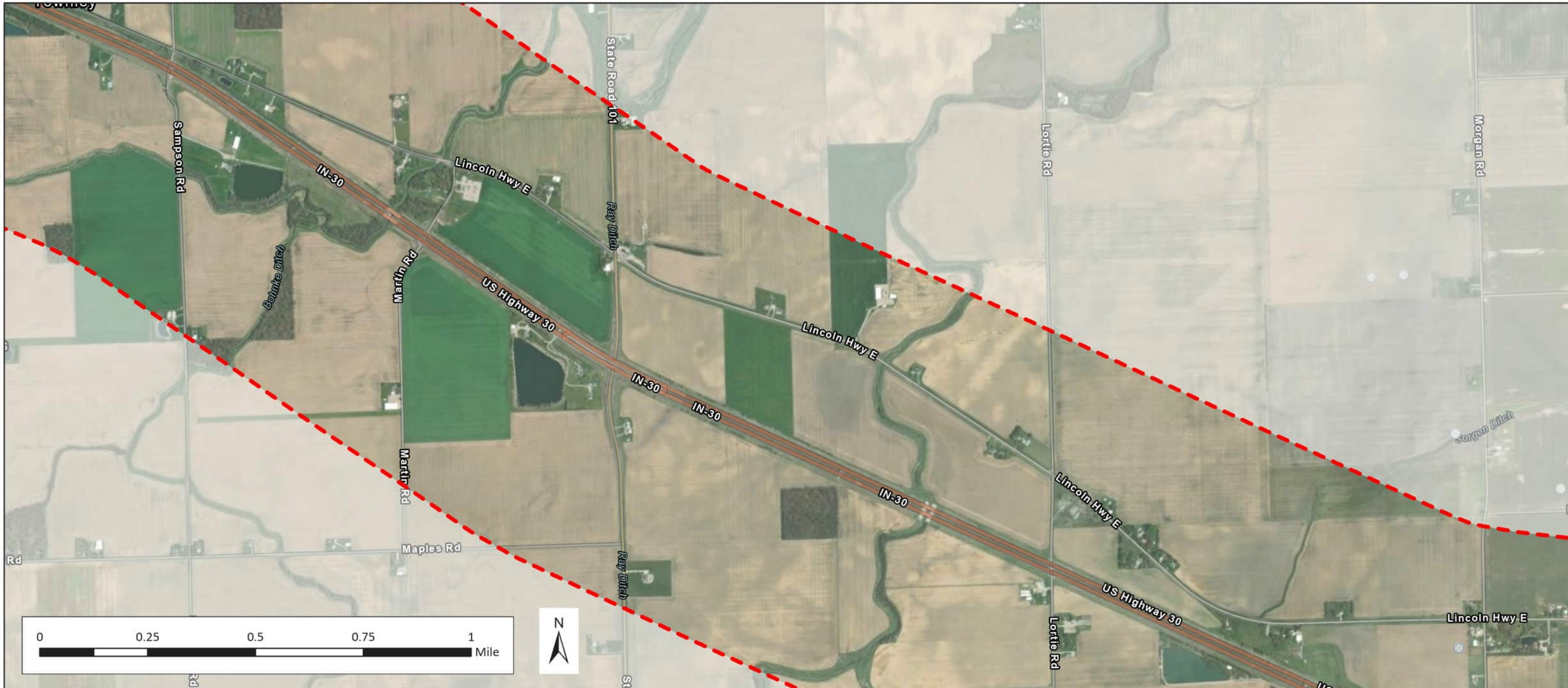

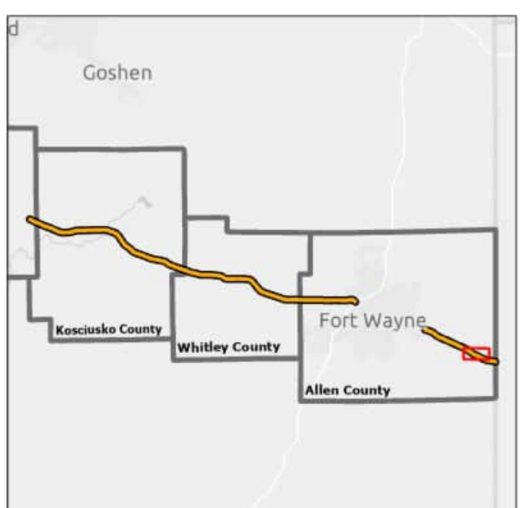

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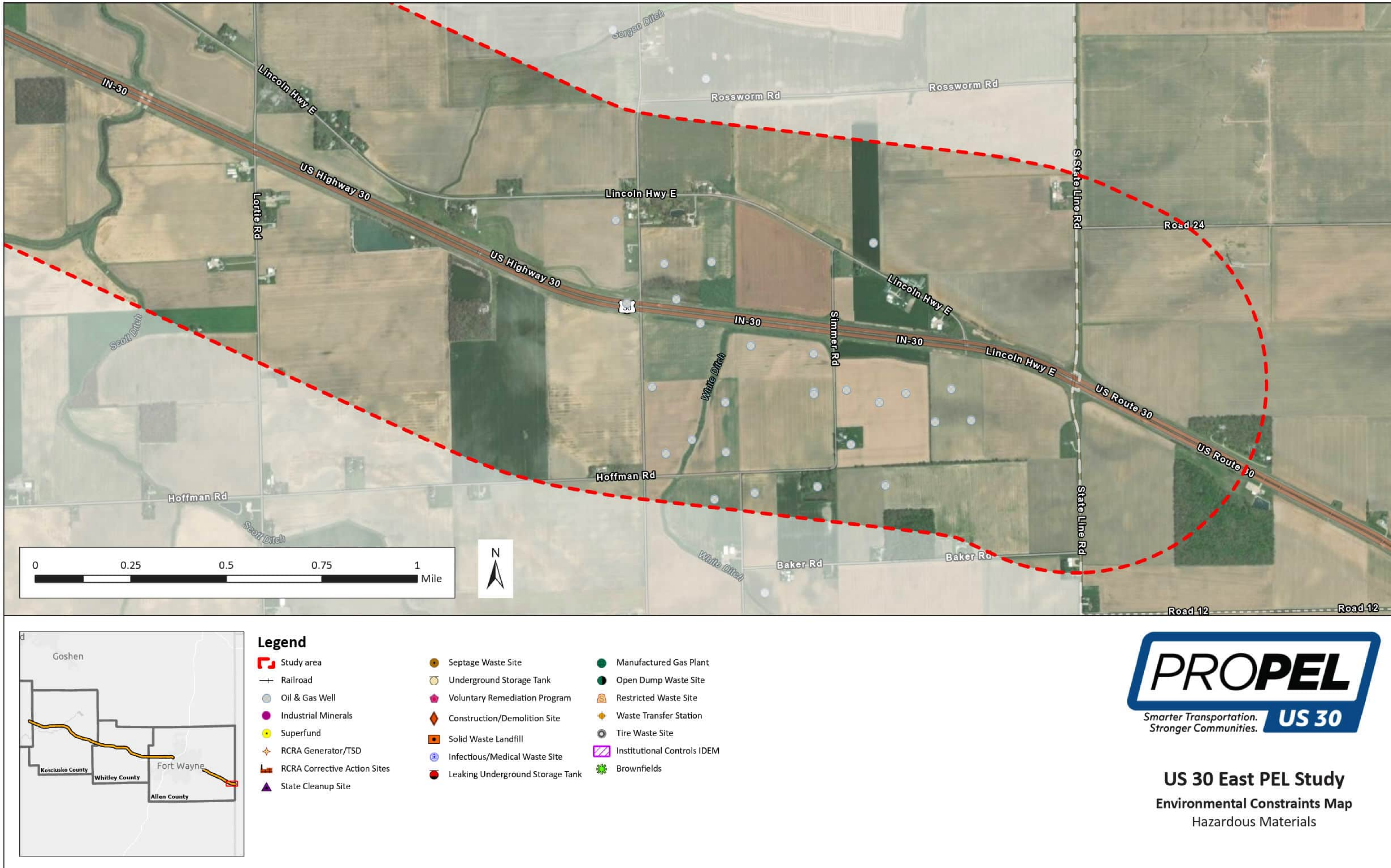

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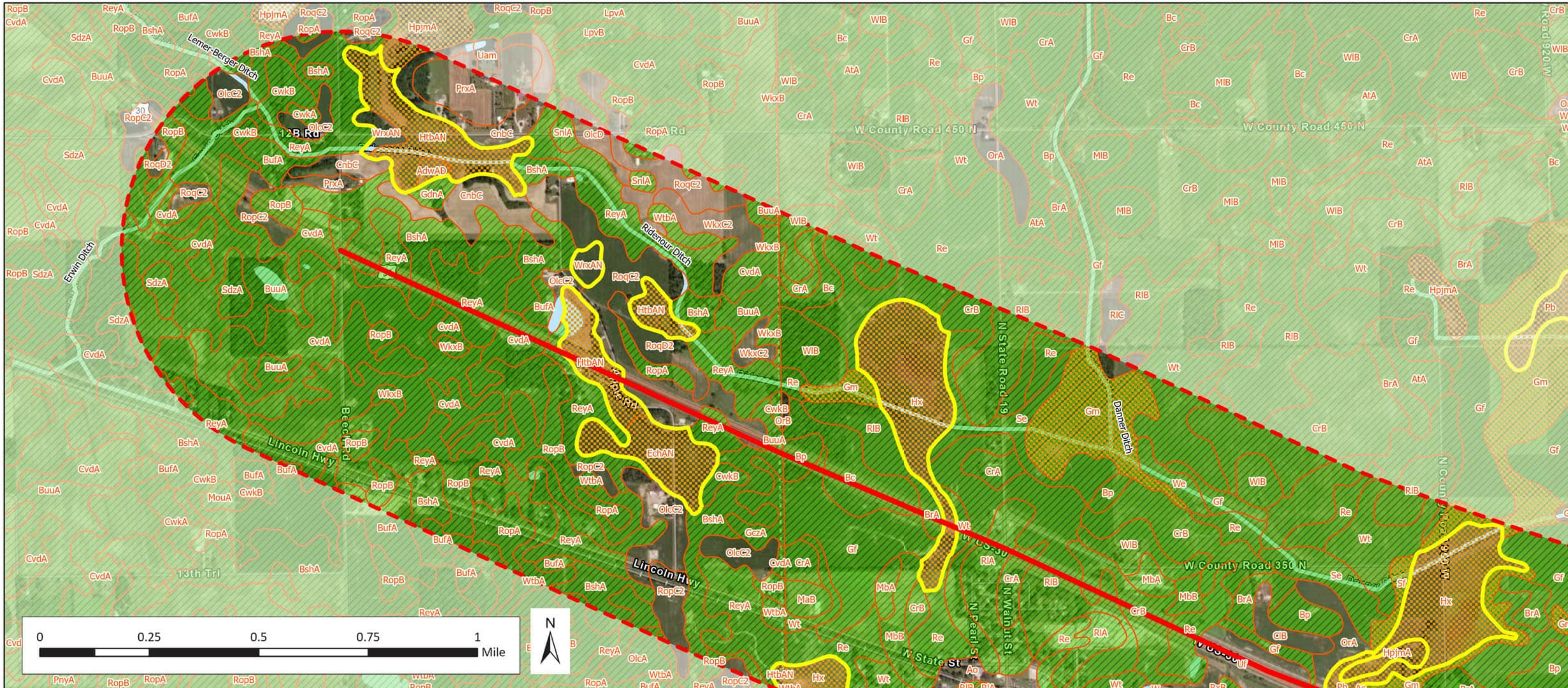
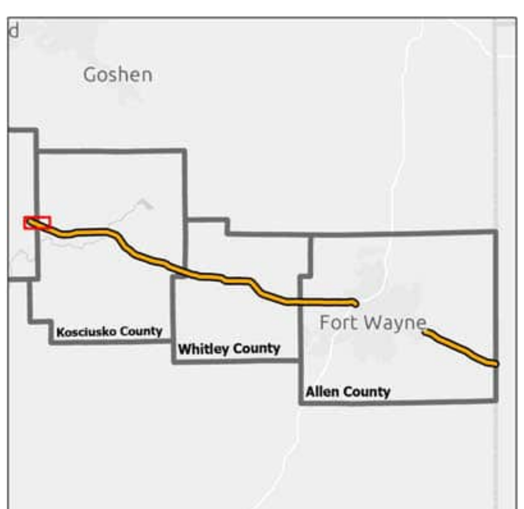
Soils and Prime Farmland Series





Legend

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- Prime Farmland
- Farmland of Statewide Importance
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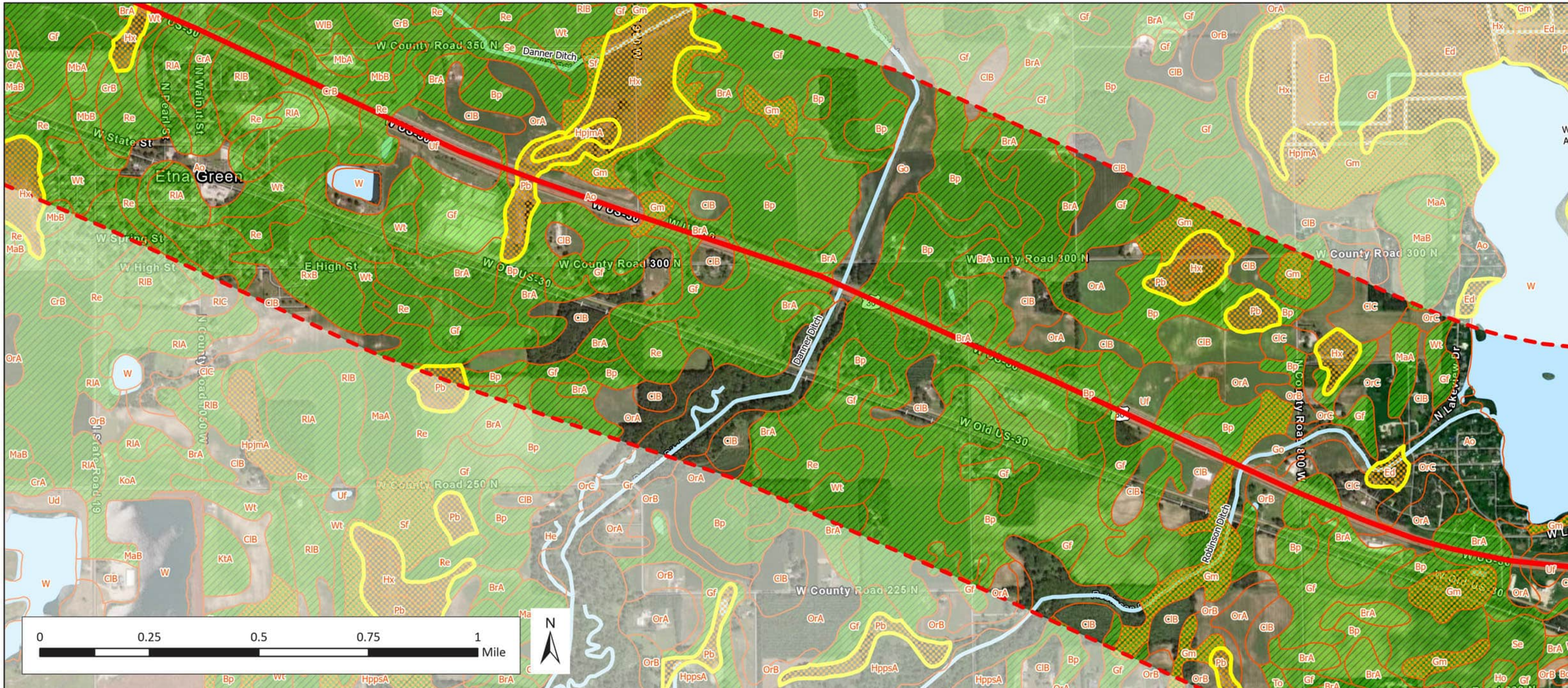

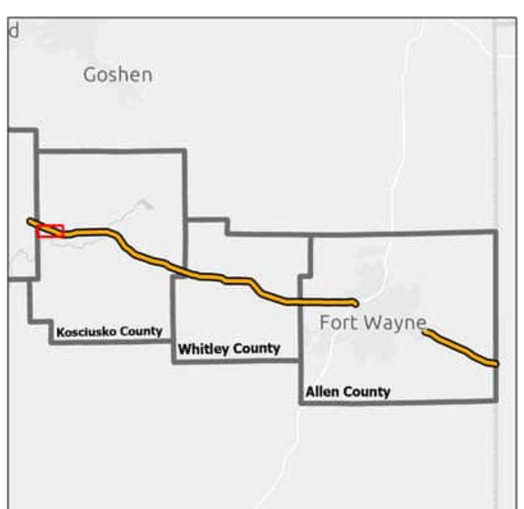

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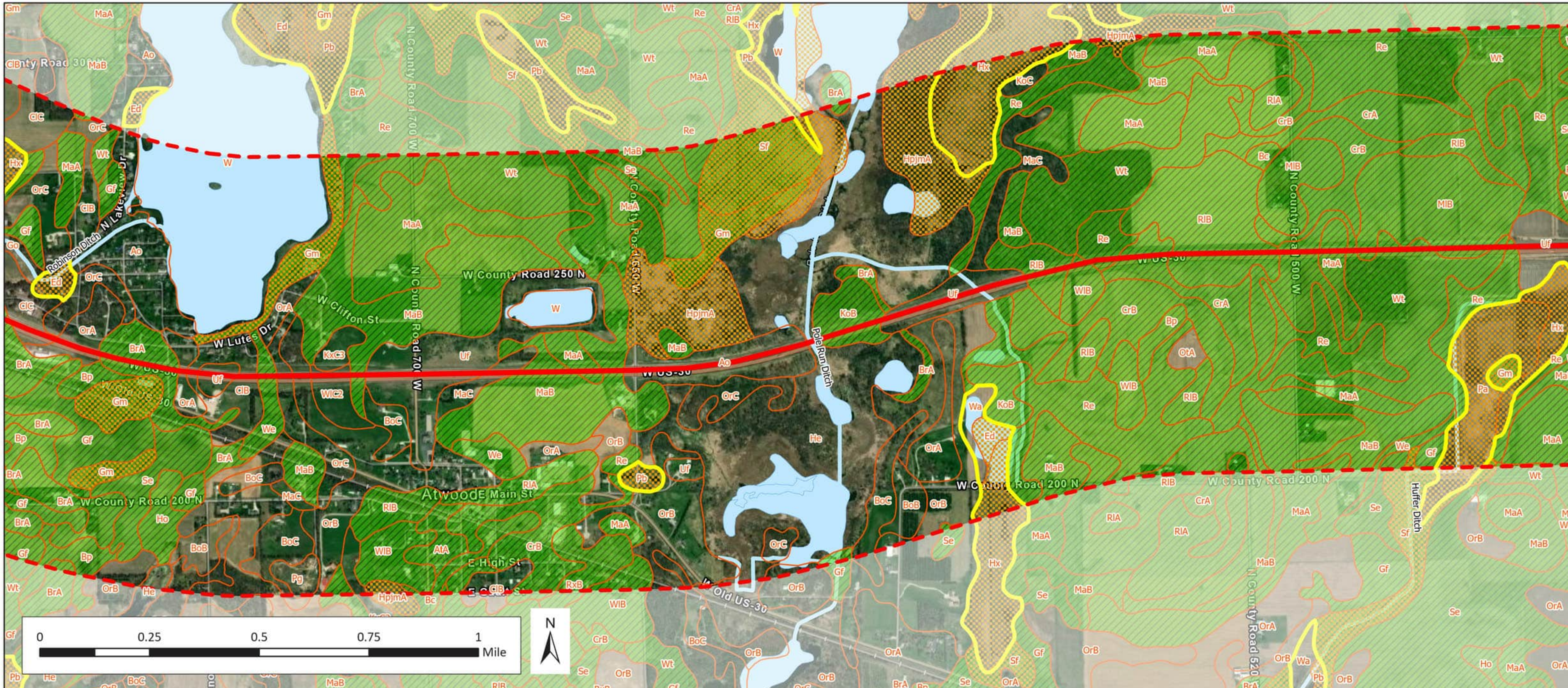

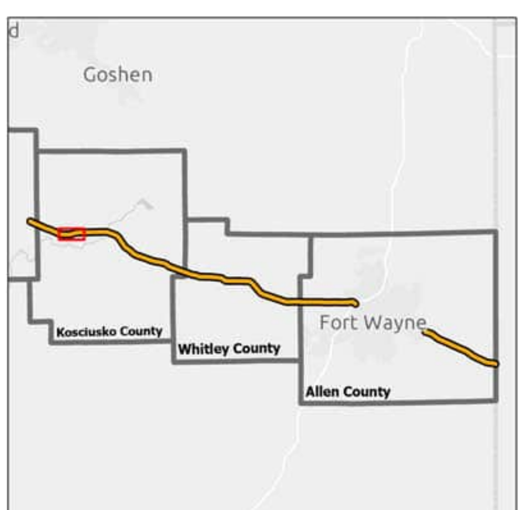

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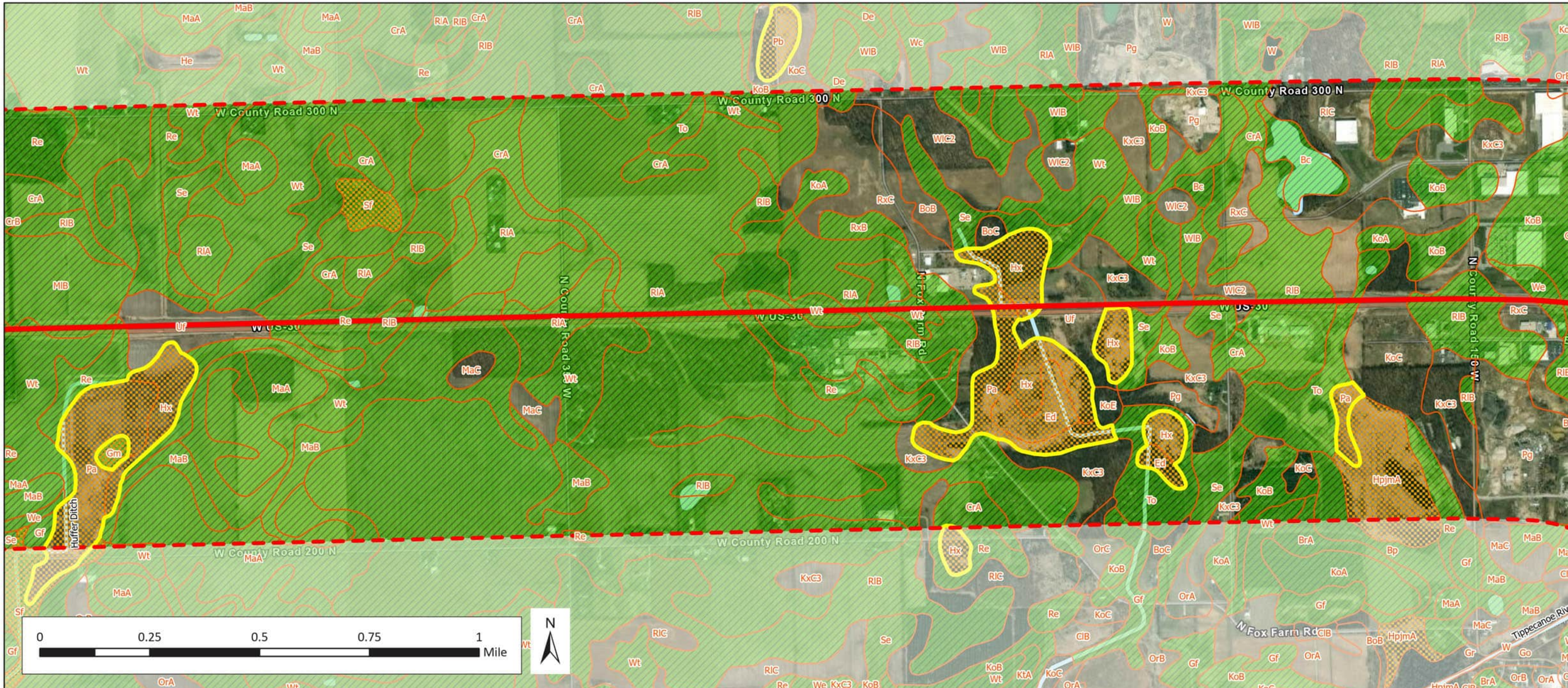

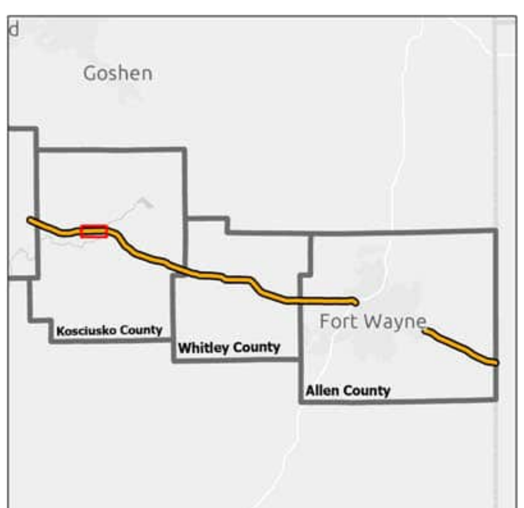

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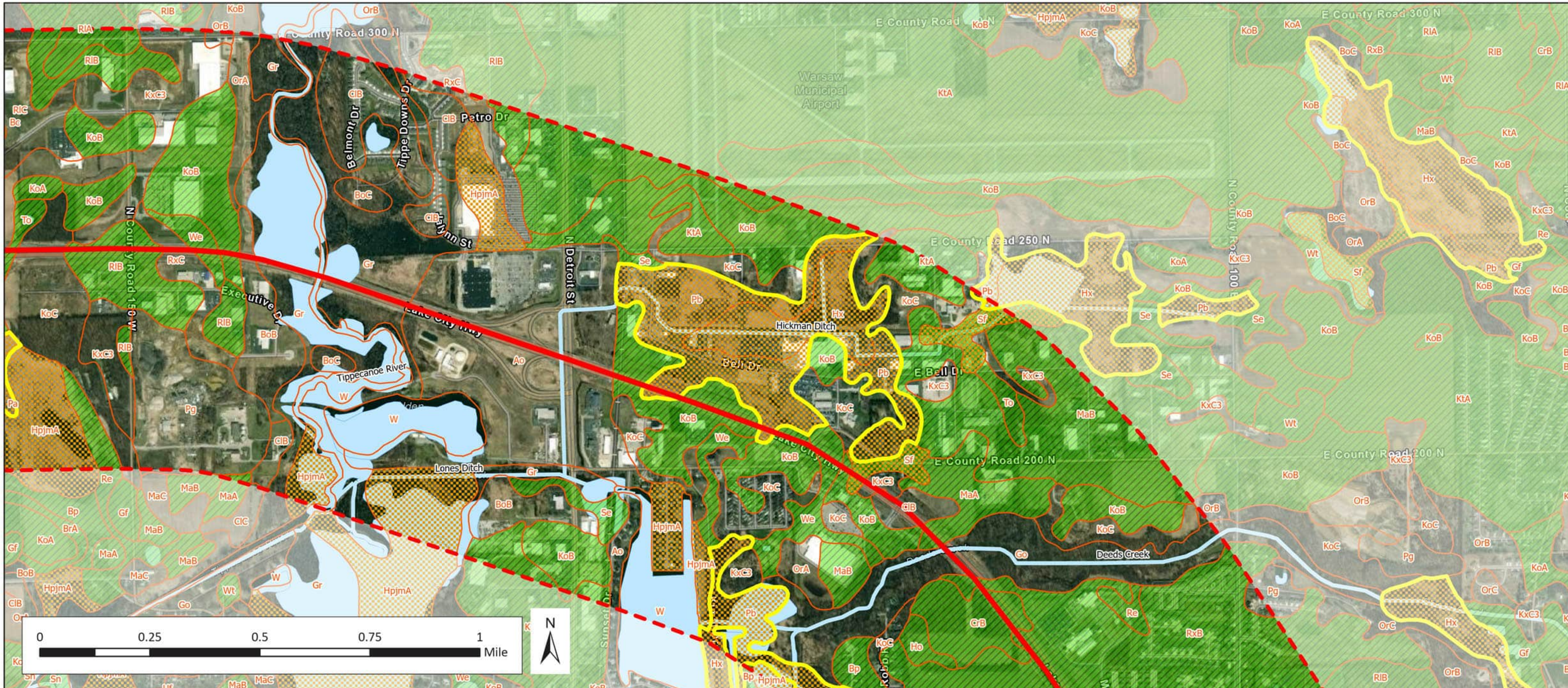

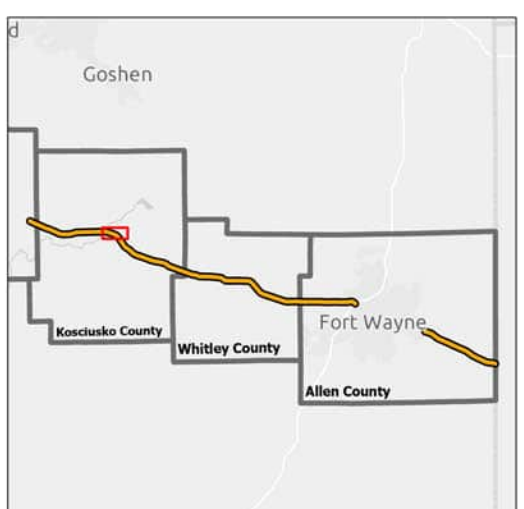

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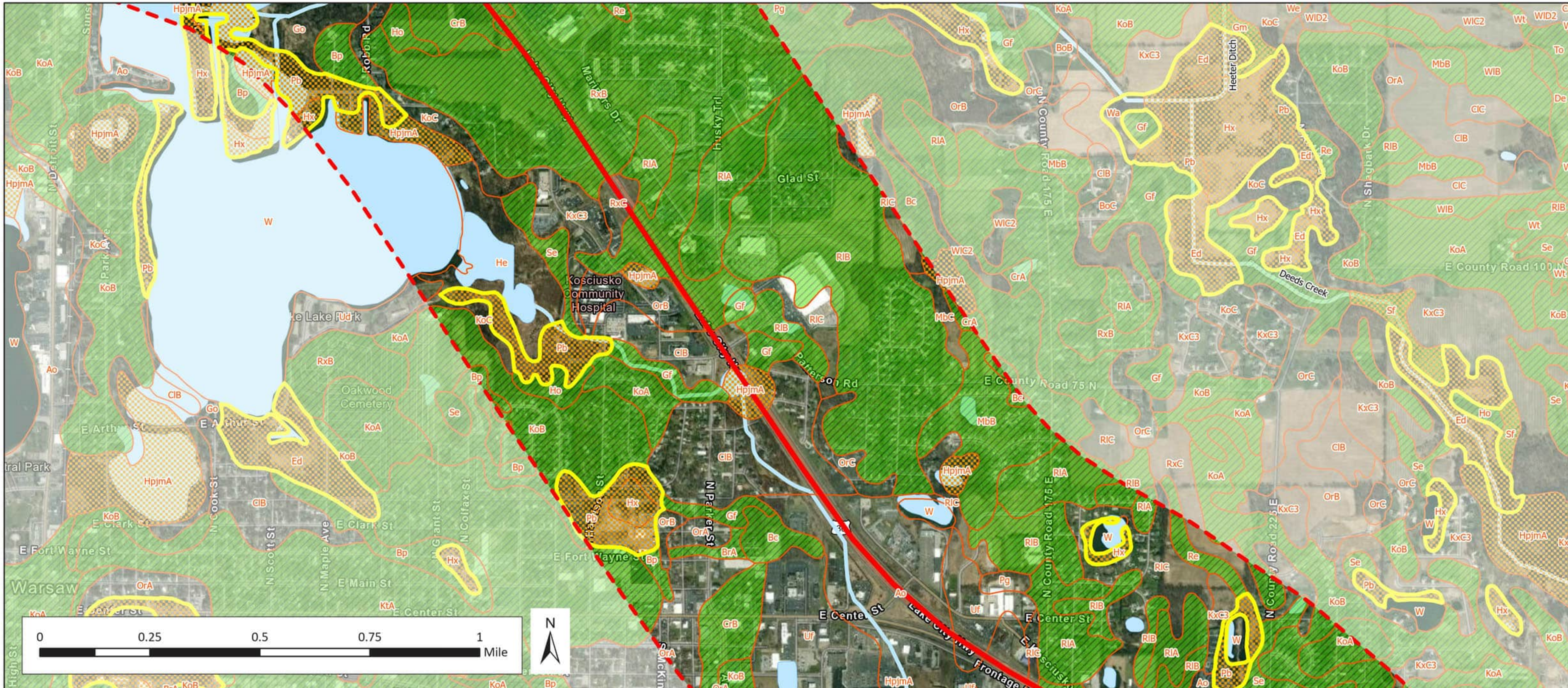

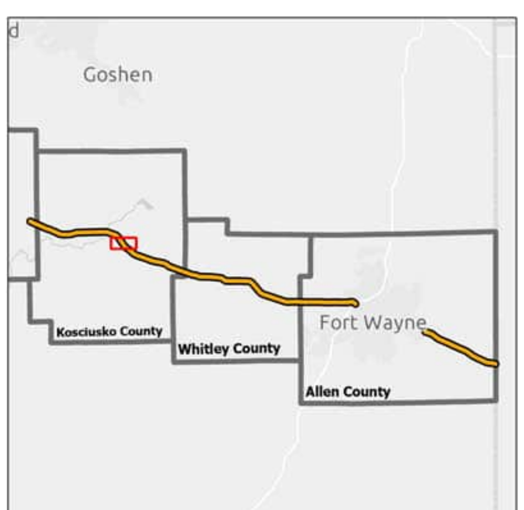

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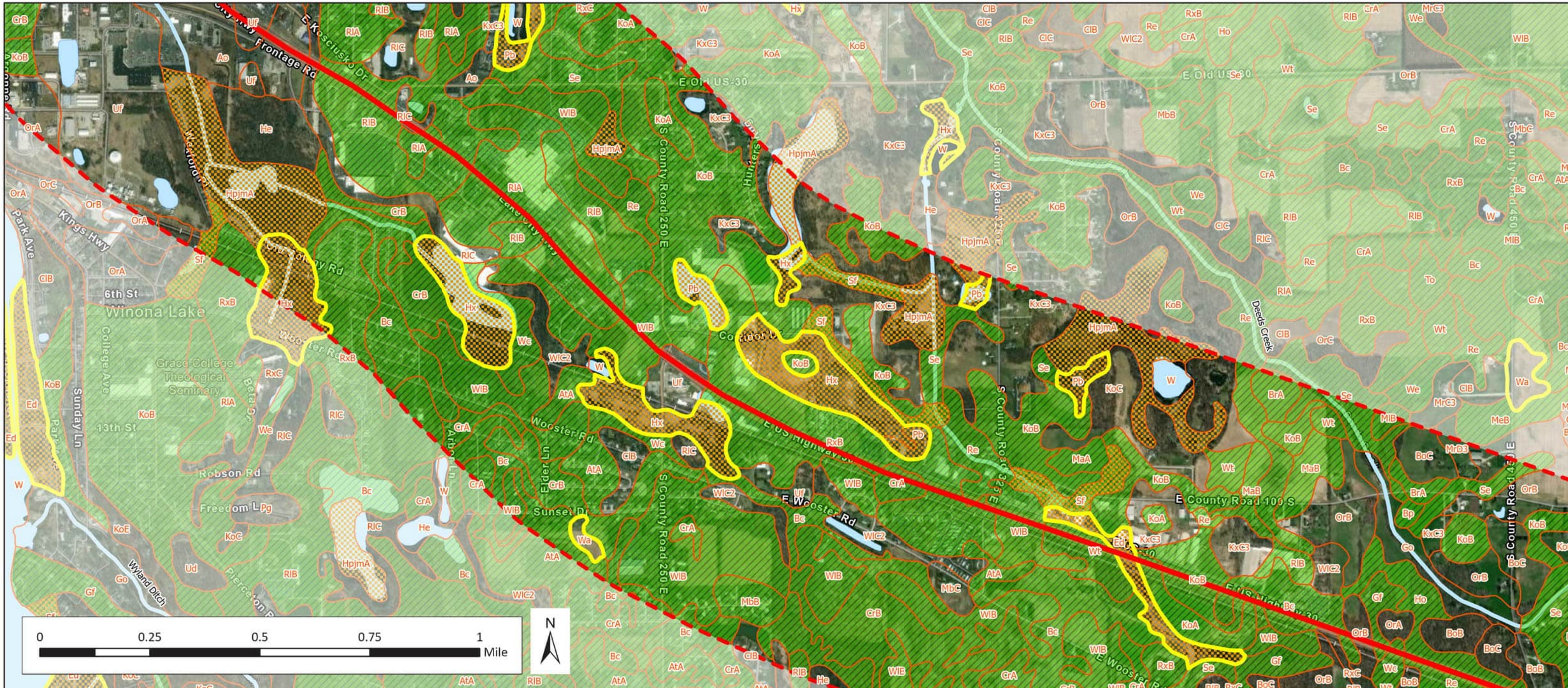

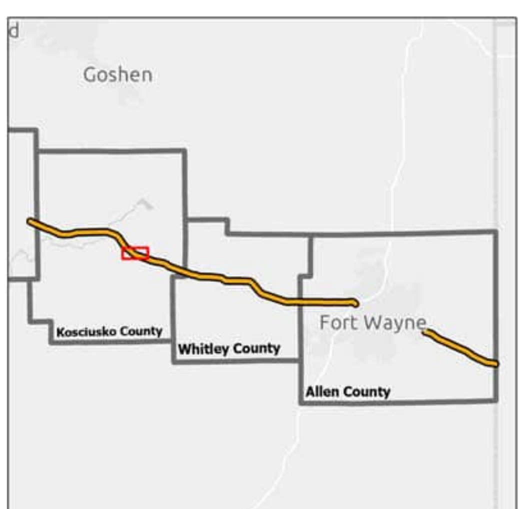

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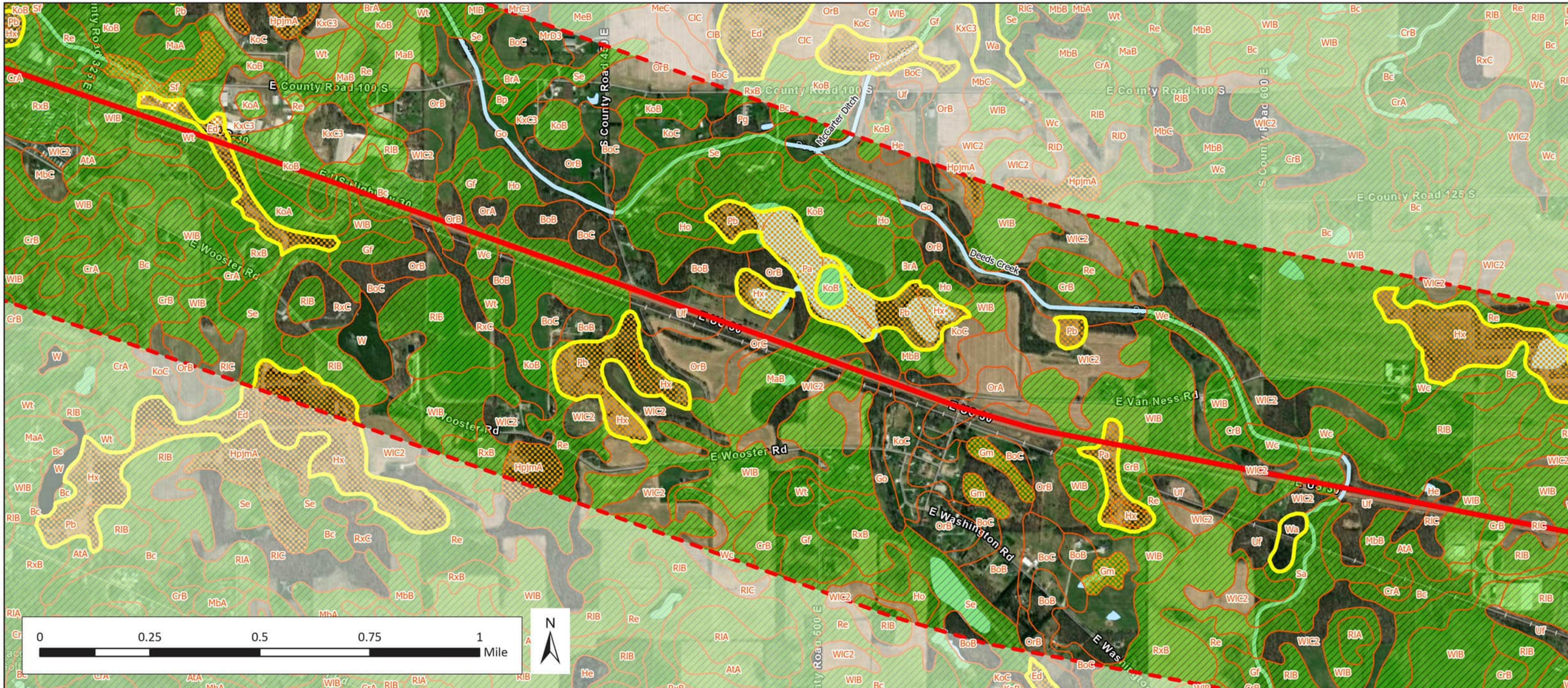

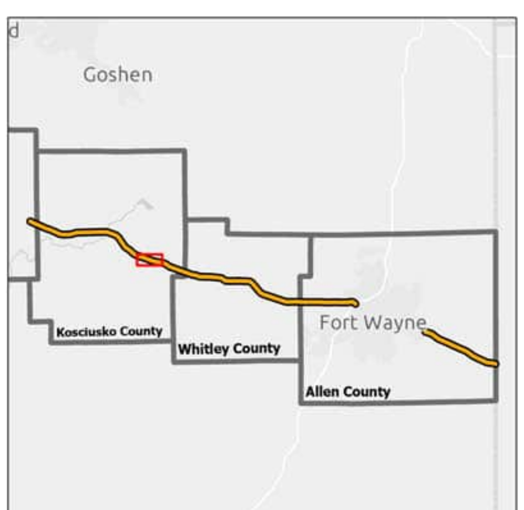

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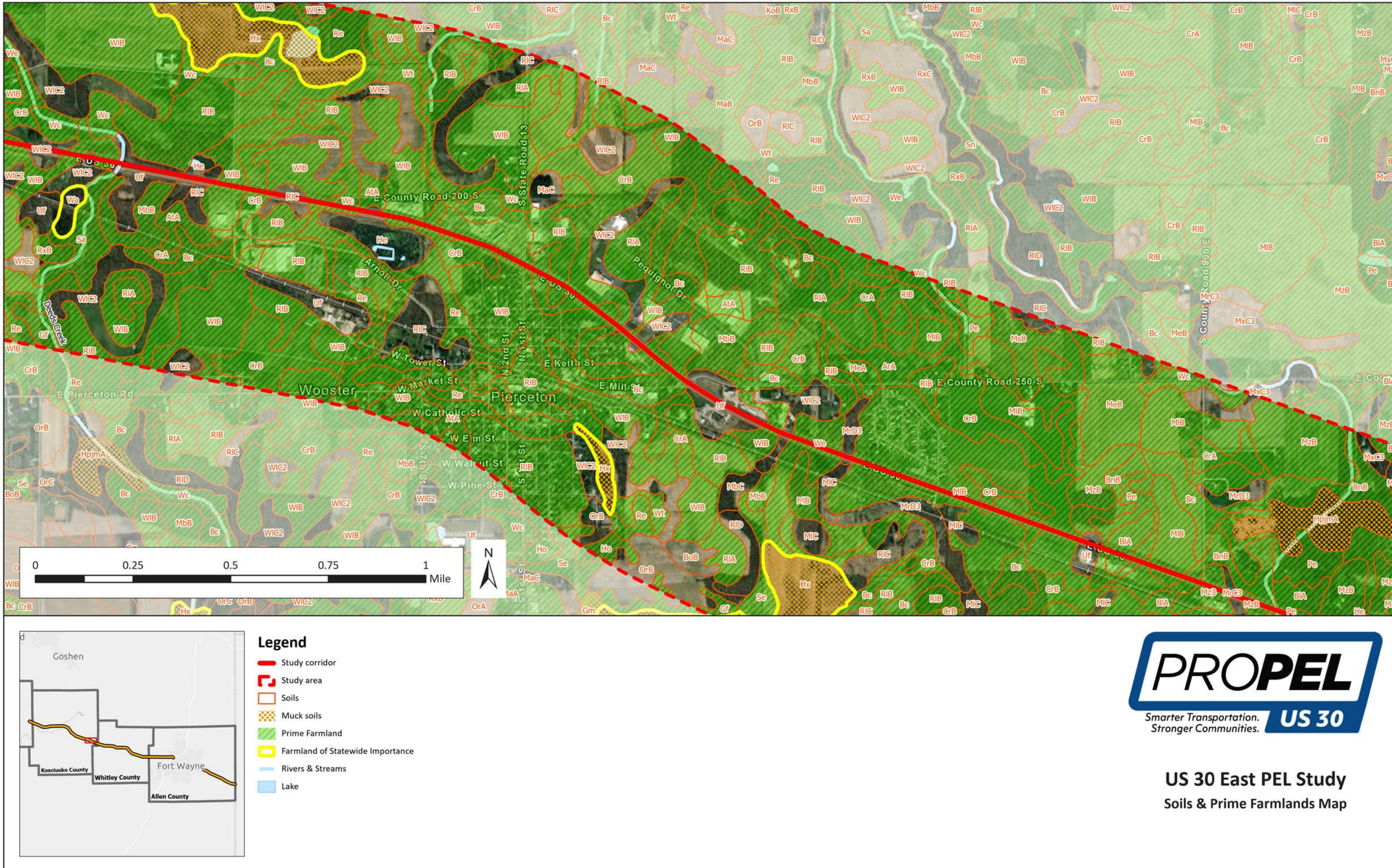
US 30
E County Road 200 S
S State Road 13
Armott Dr
Pequigno Dr
Deeds Creek
W Tower St
E Keith St
E Mill St
W Market St
E Pierceton Rd
Wooster
Pierceton
W Catholic St
W Elm St
W Walnut St
W Pine St
N 2nd St
N 1st St
S 1st St
S 7th St
E County Road 250 S
S County Road 900 E
0
0.25
0.5
0.75
1
Mile
N
Goshen
Kosciusko County
Whitley County
Fort Wayne
Allen County
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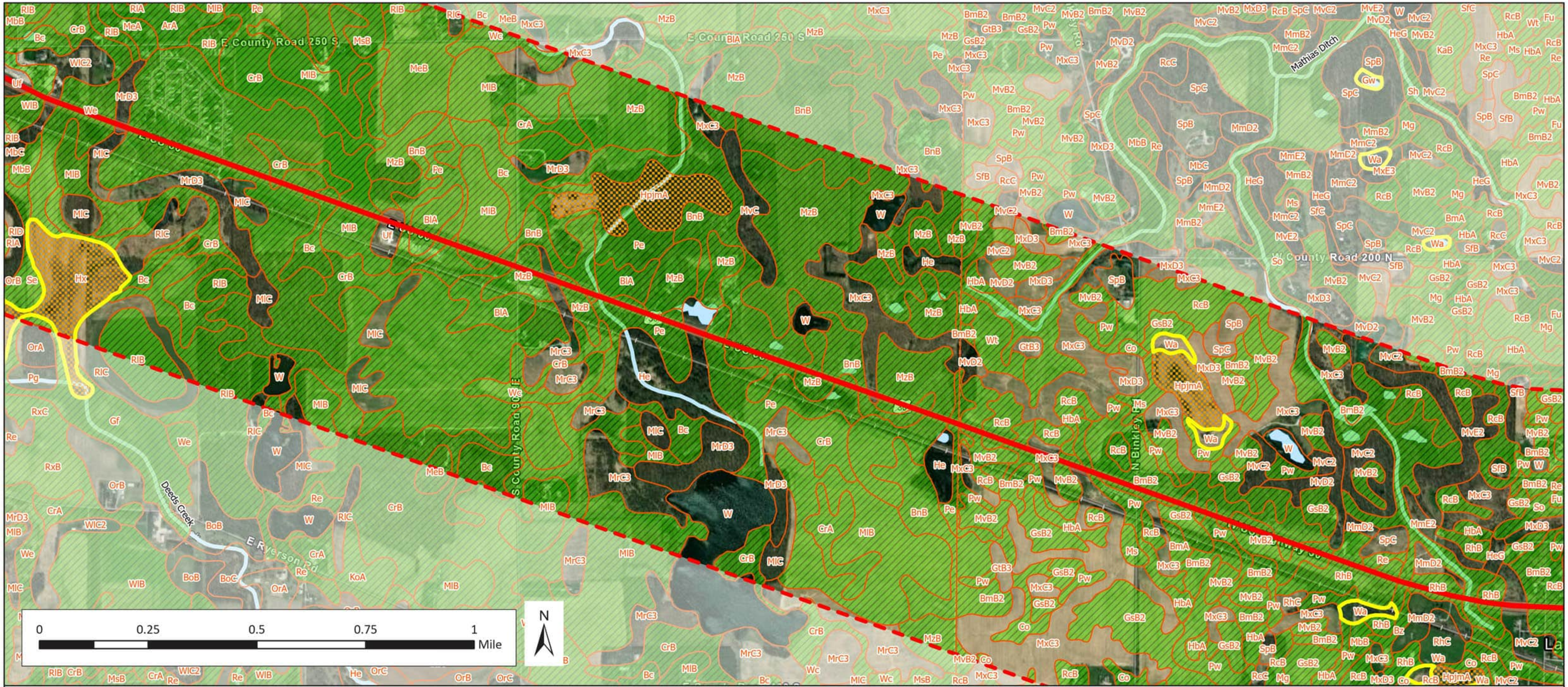

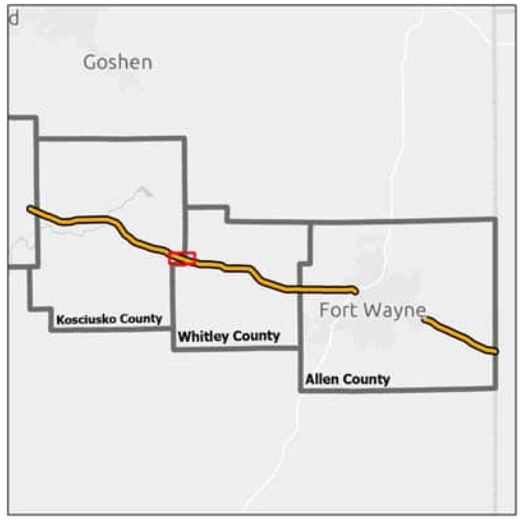

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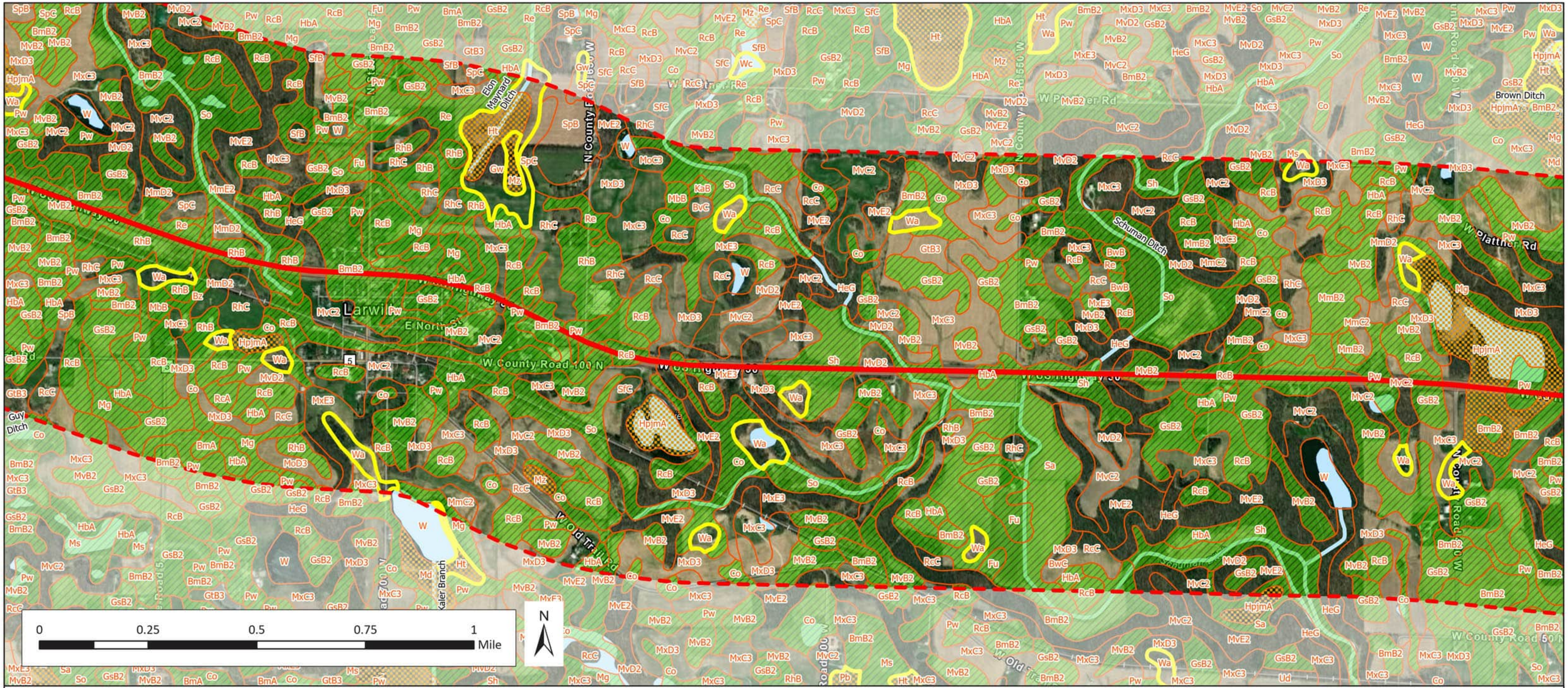

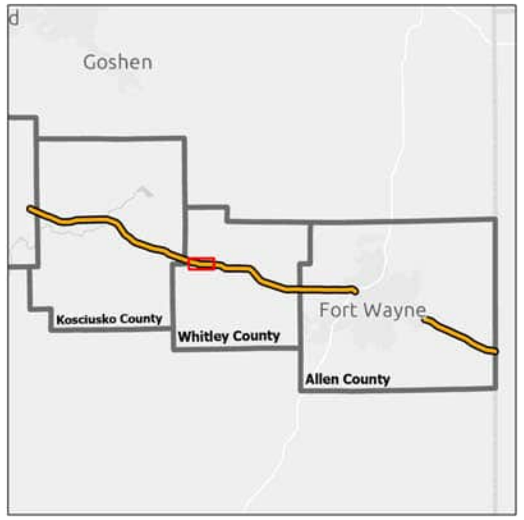

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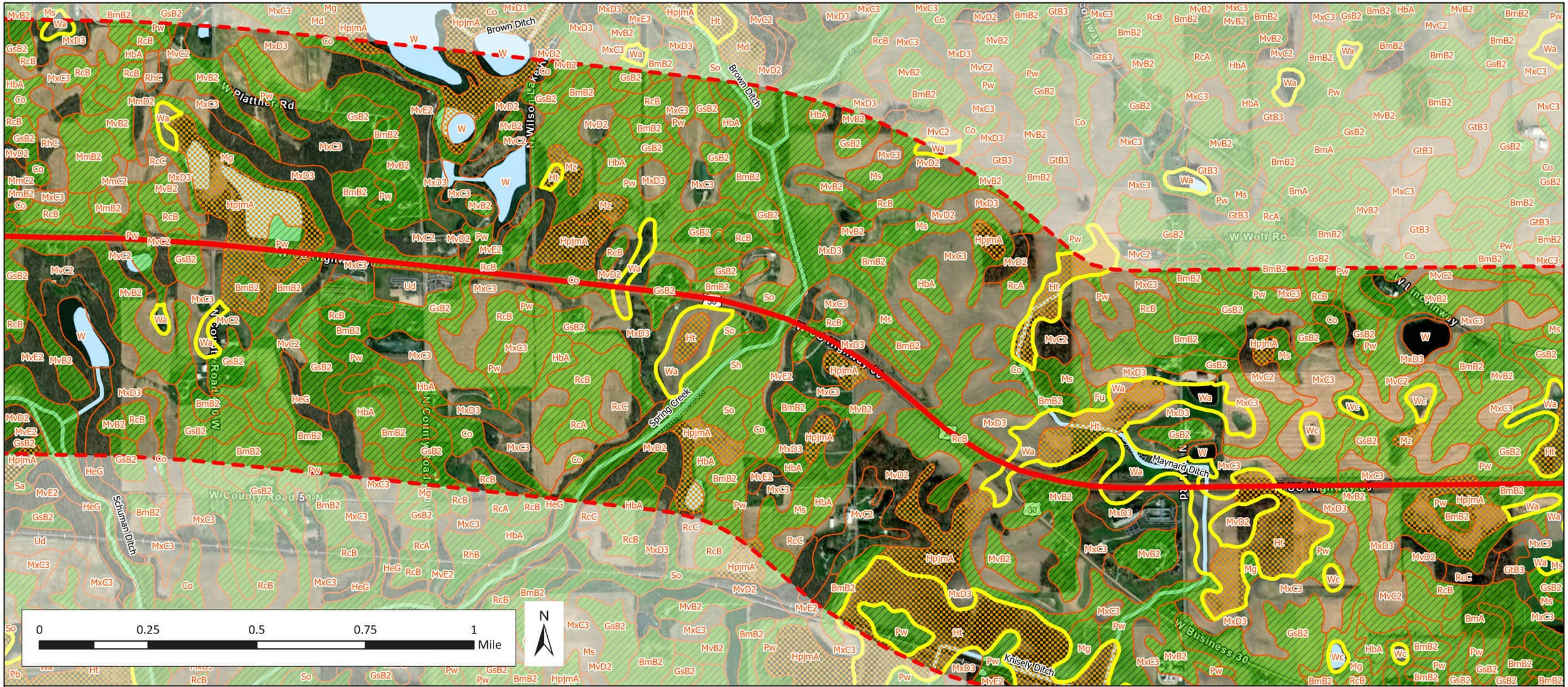

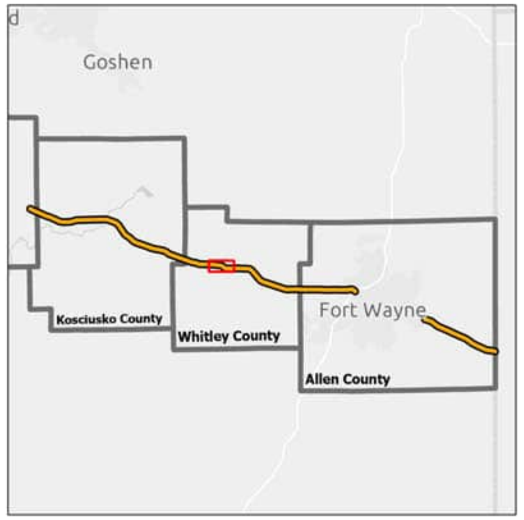

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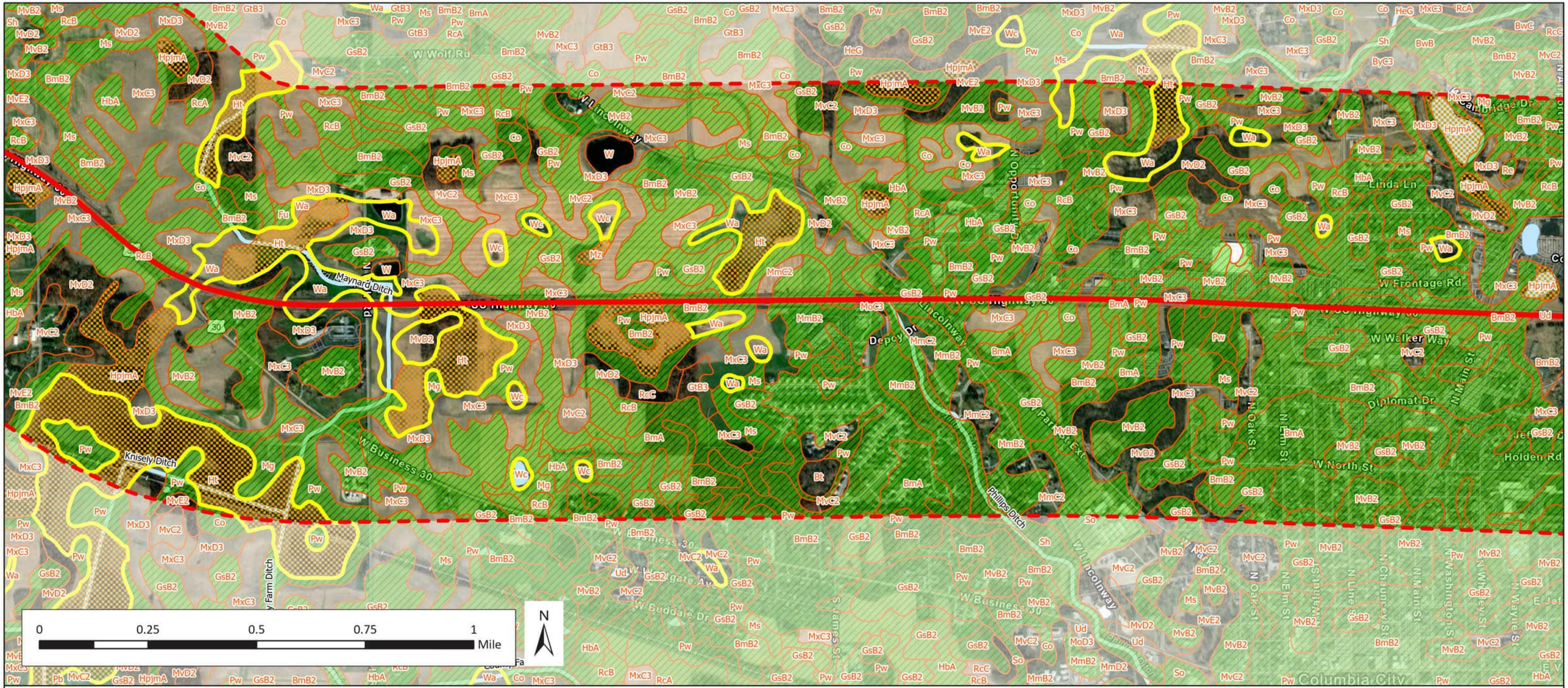

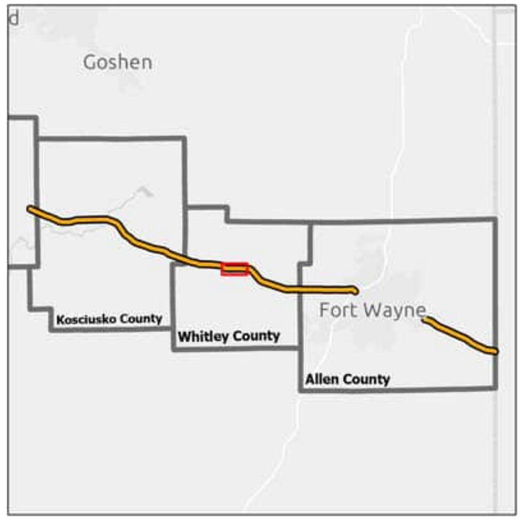

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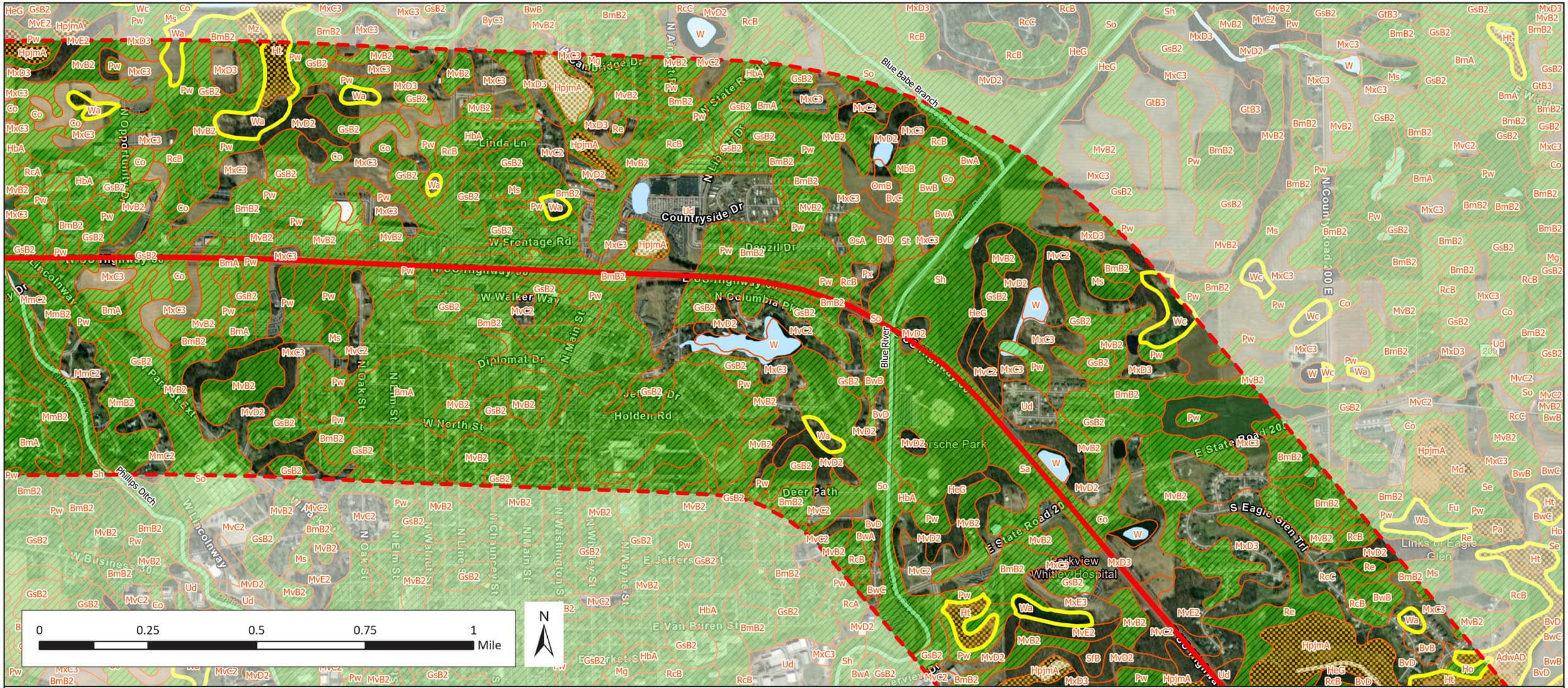

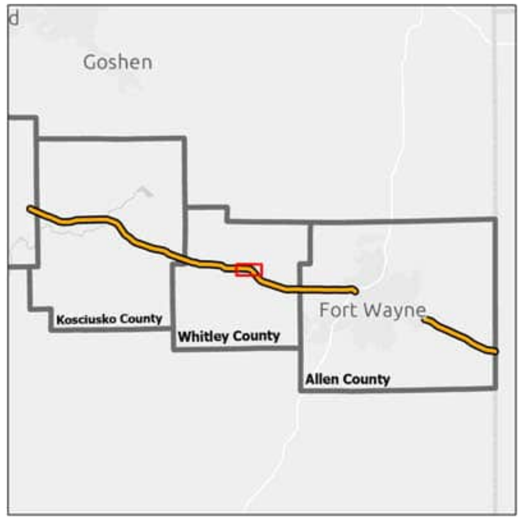

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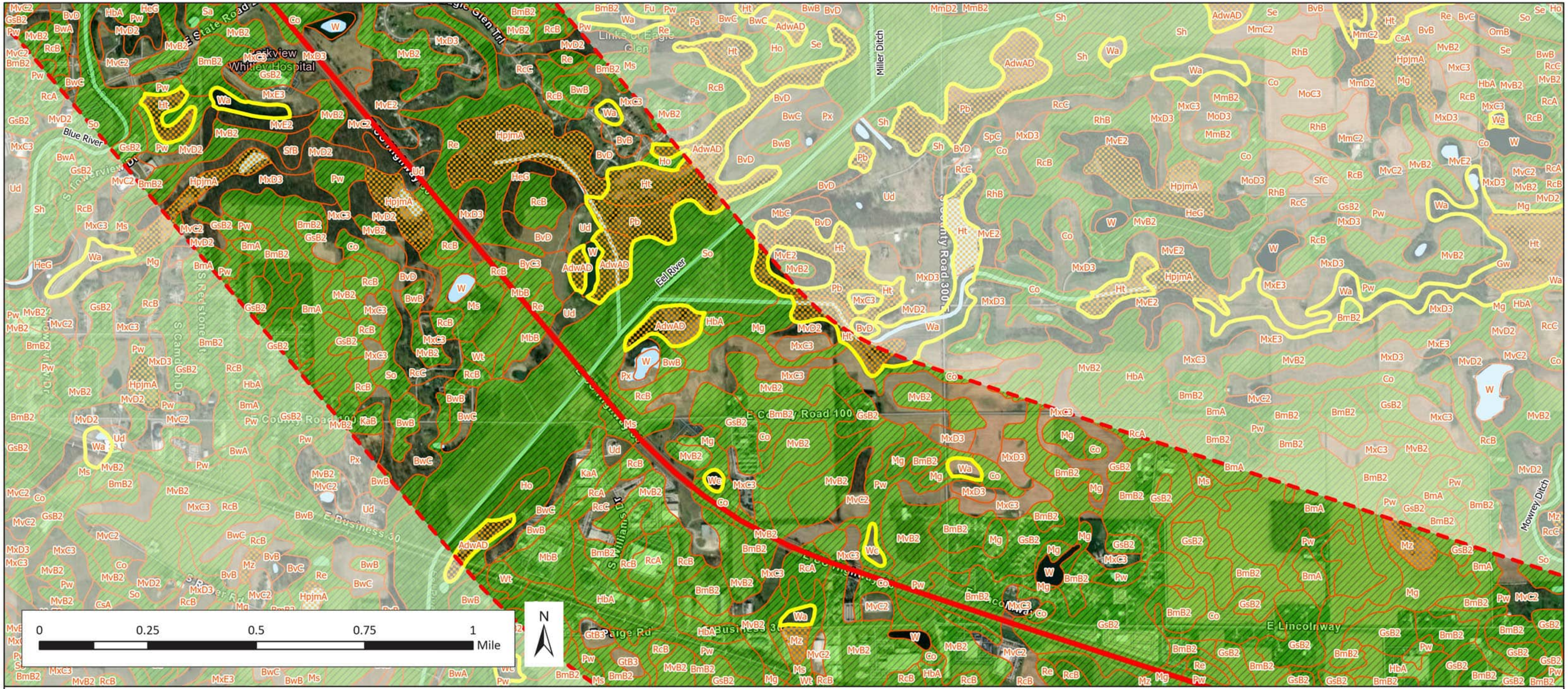

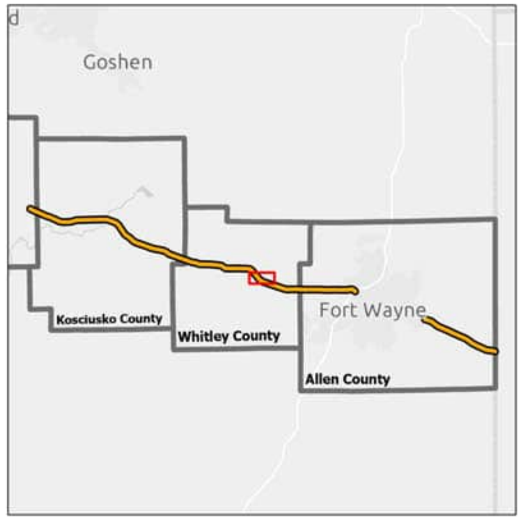

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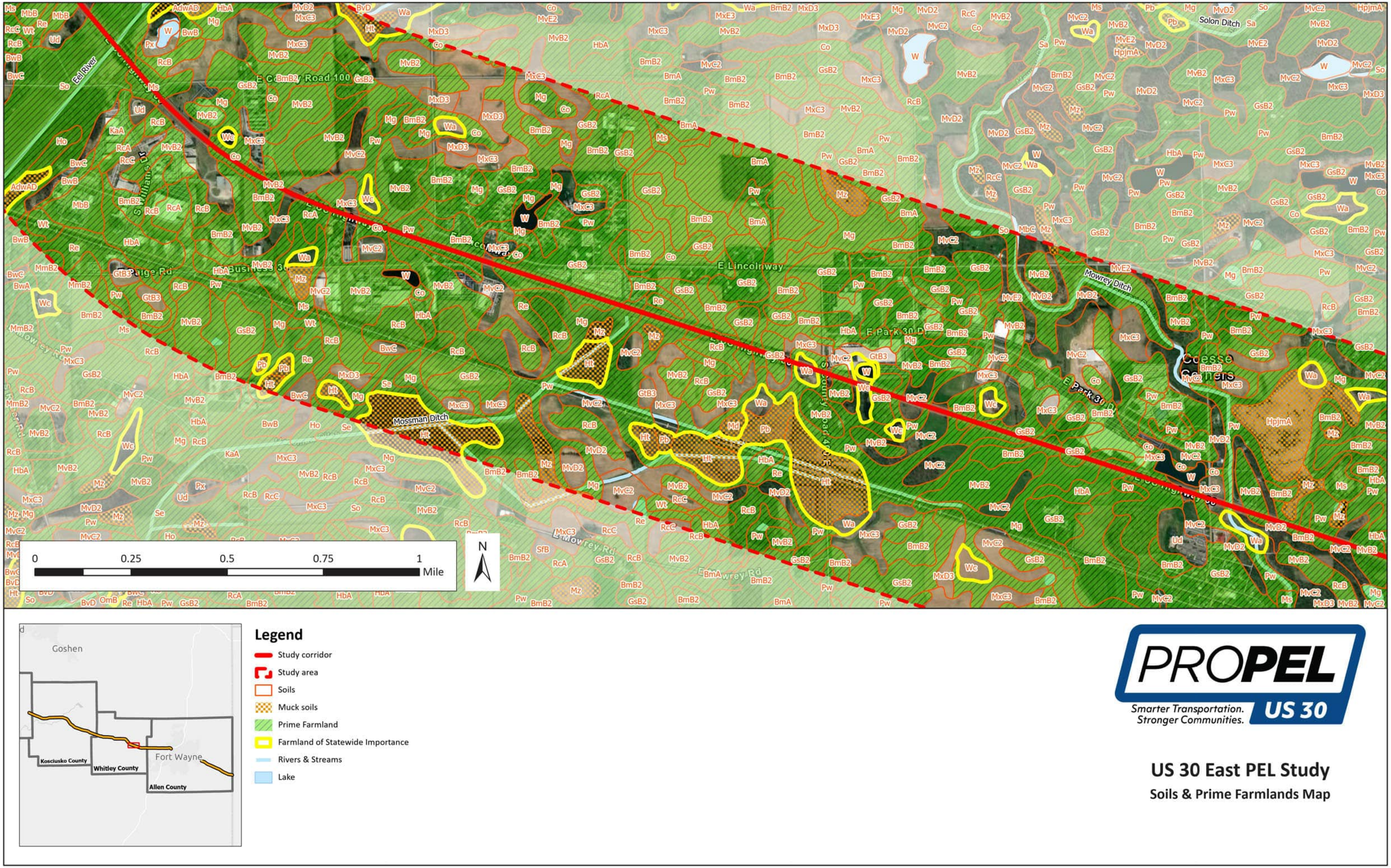

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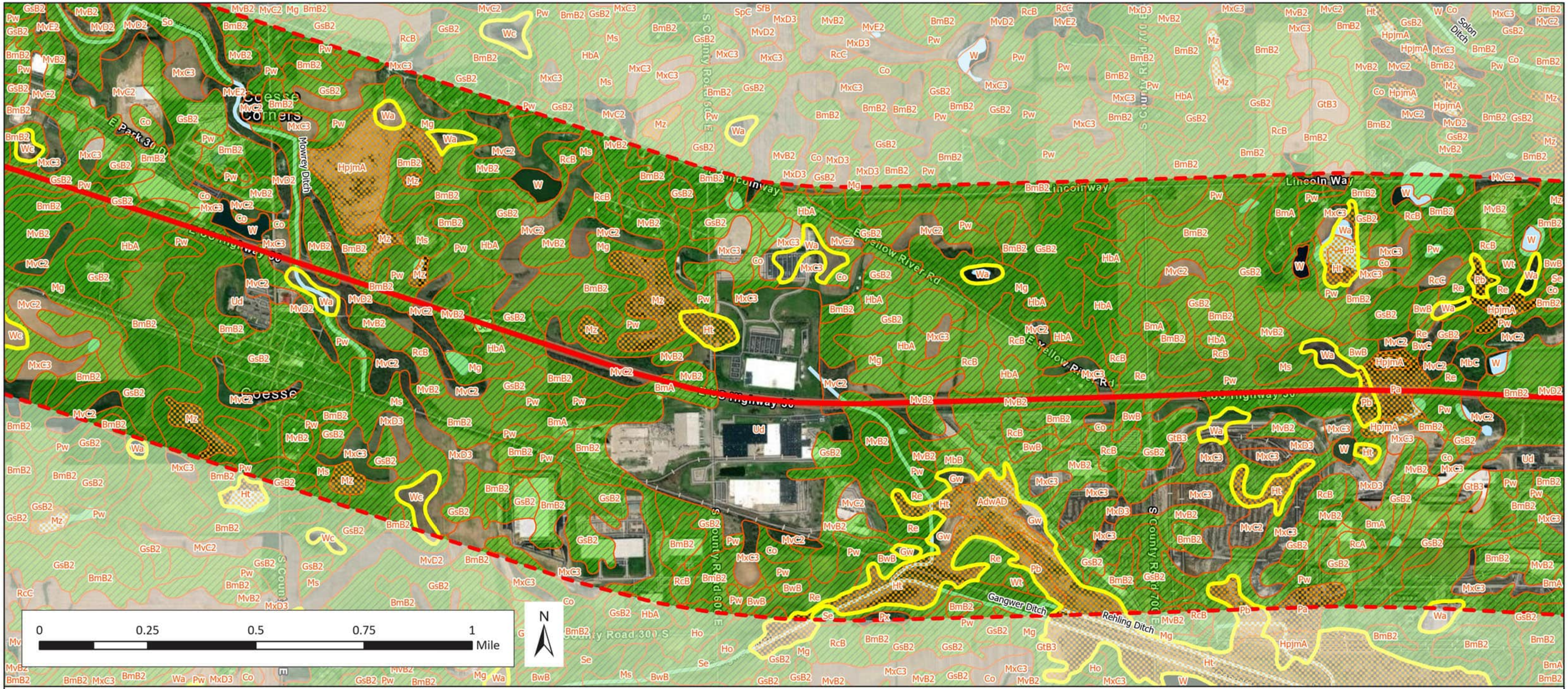

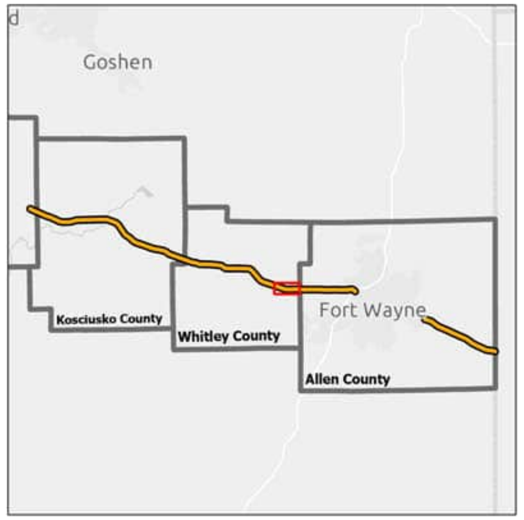

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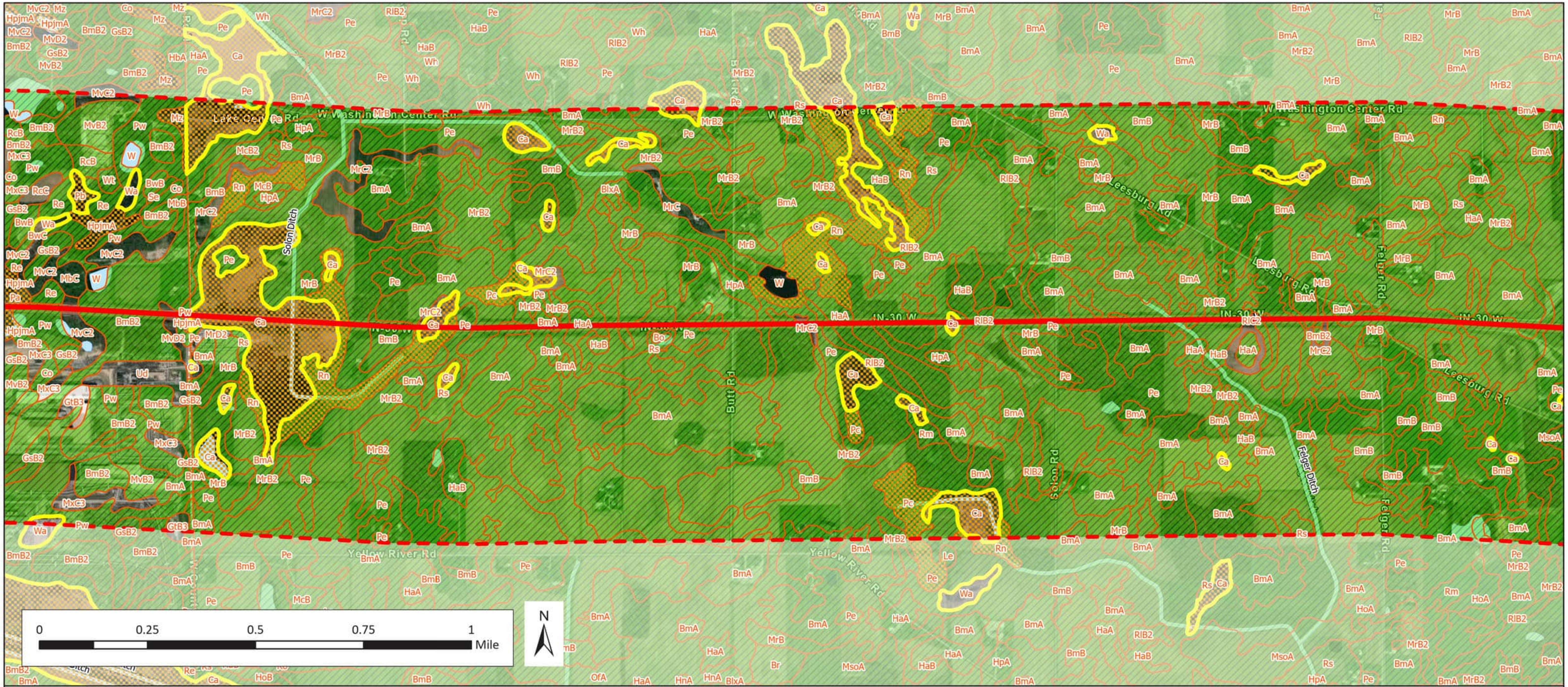

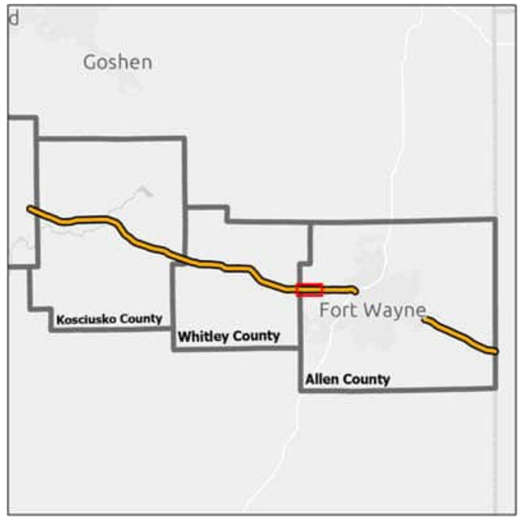

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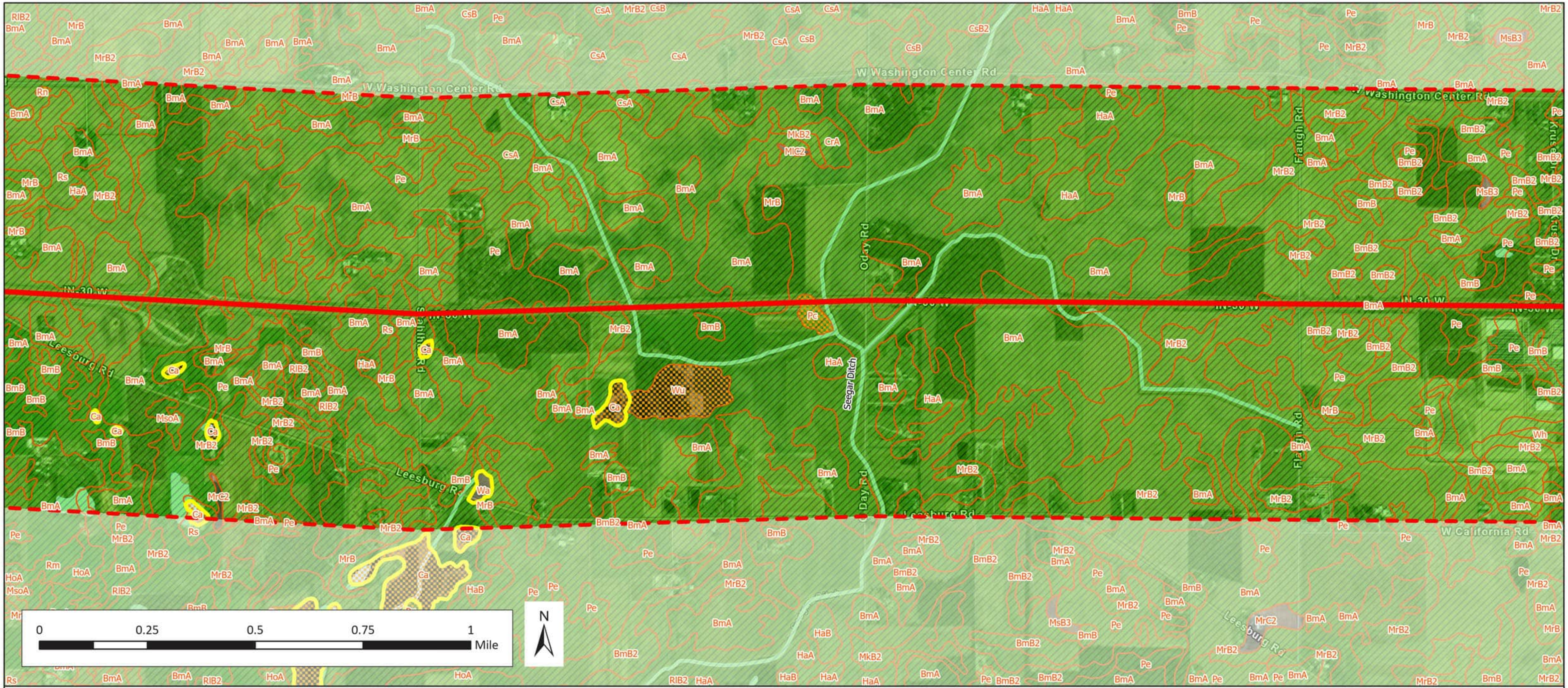

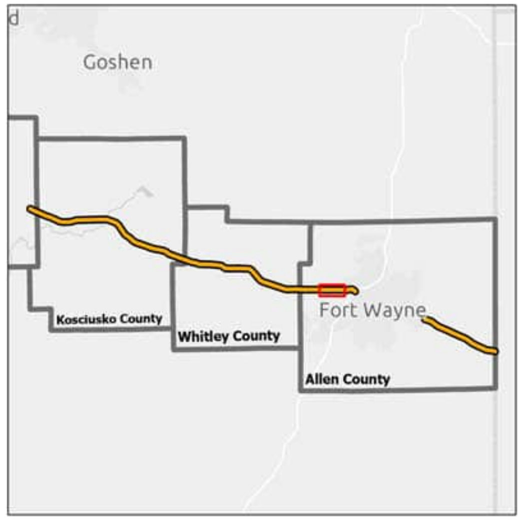

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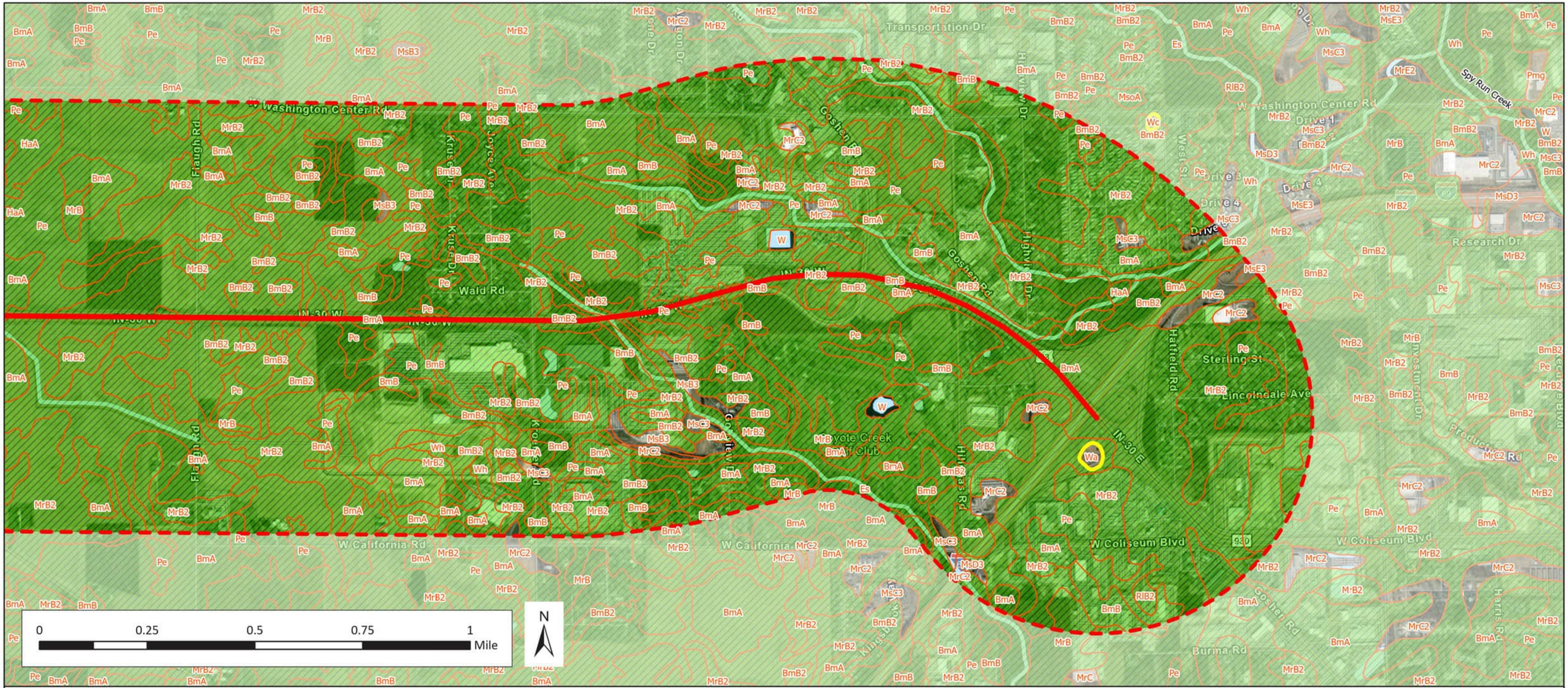

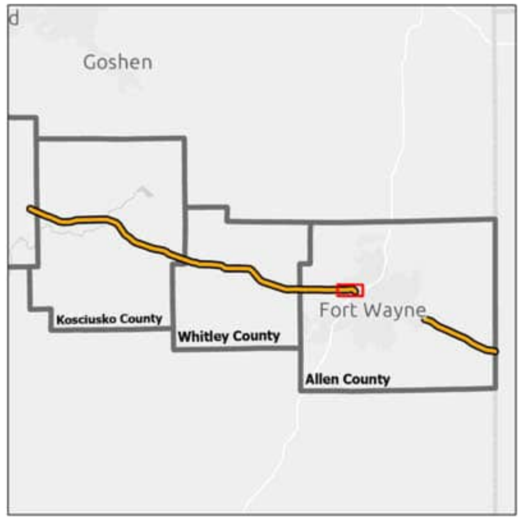

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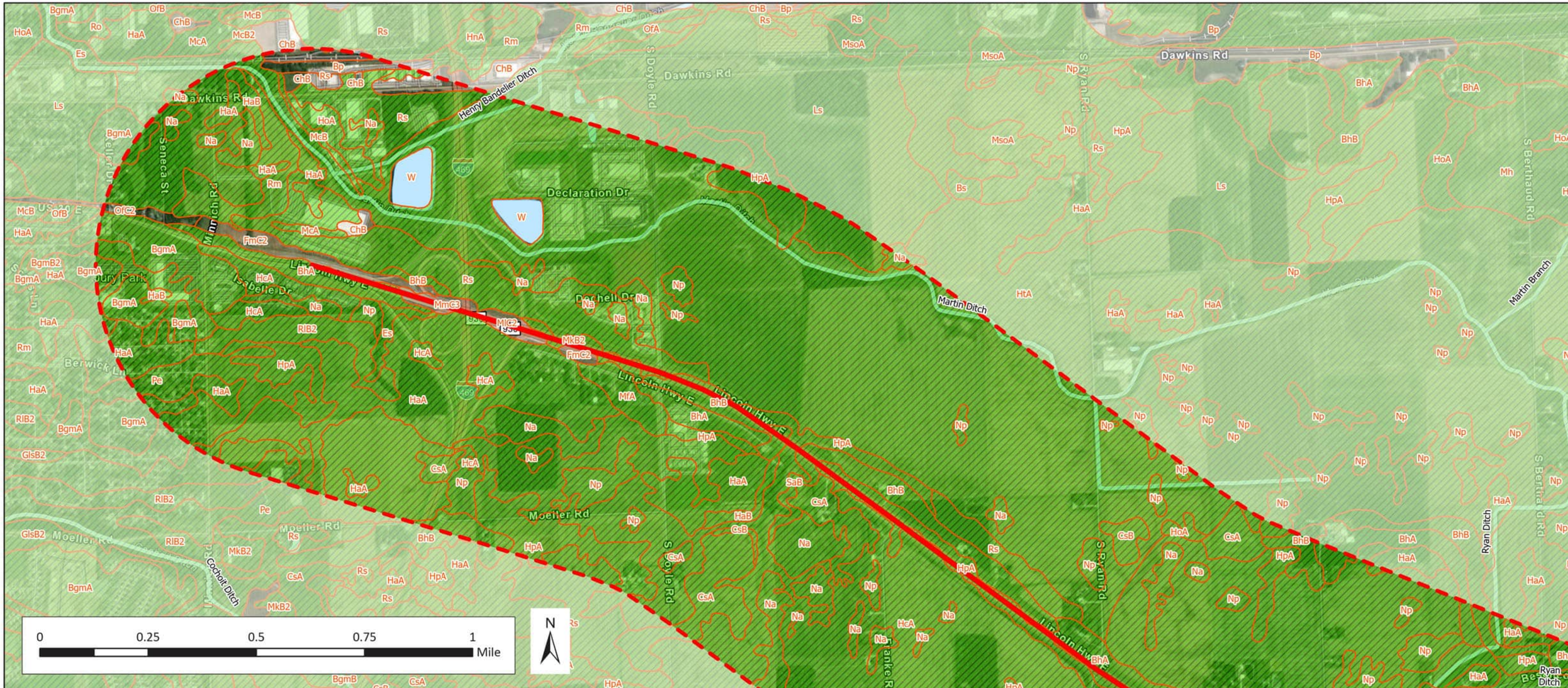

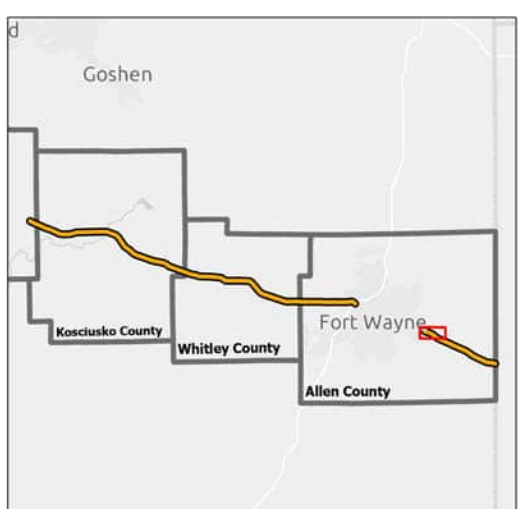

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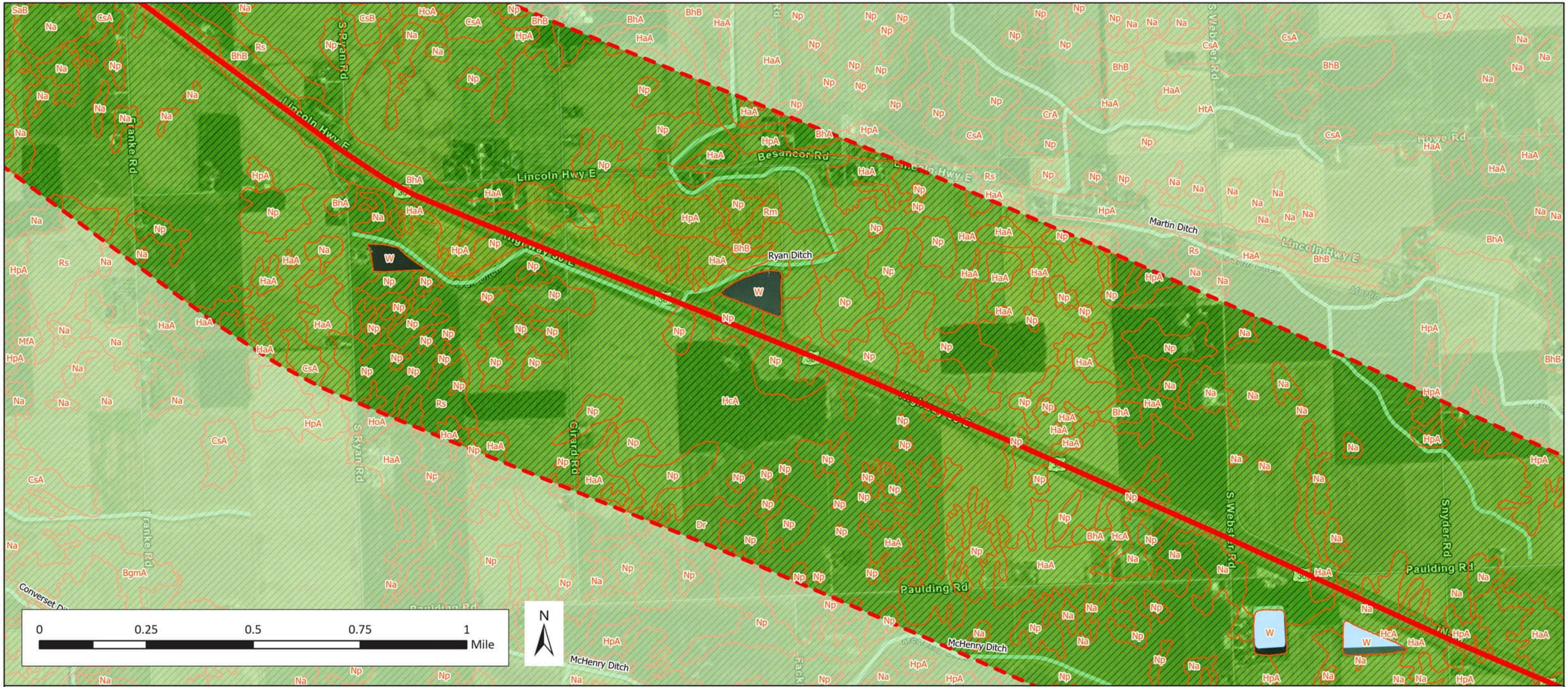

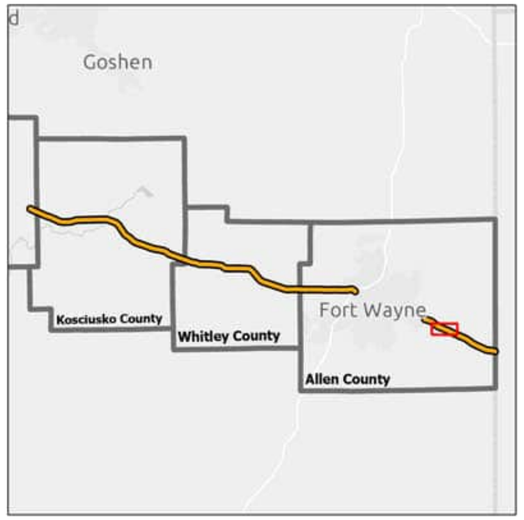

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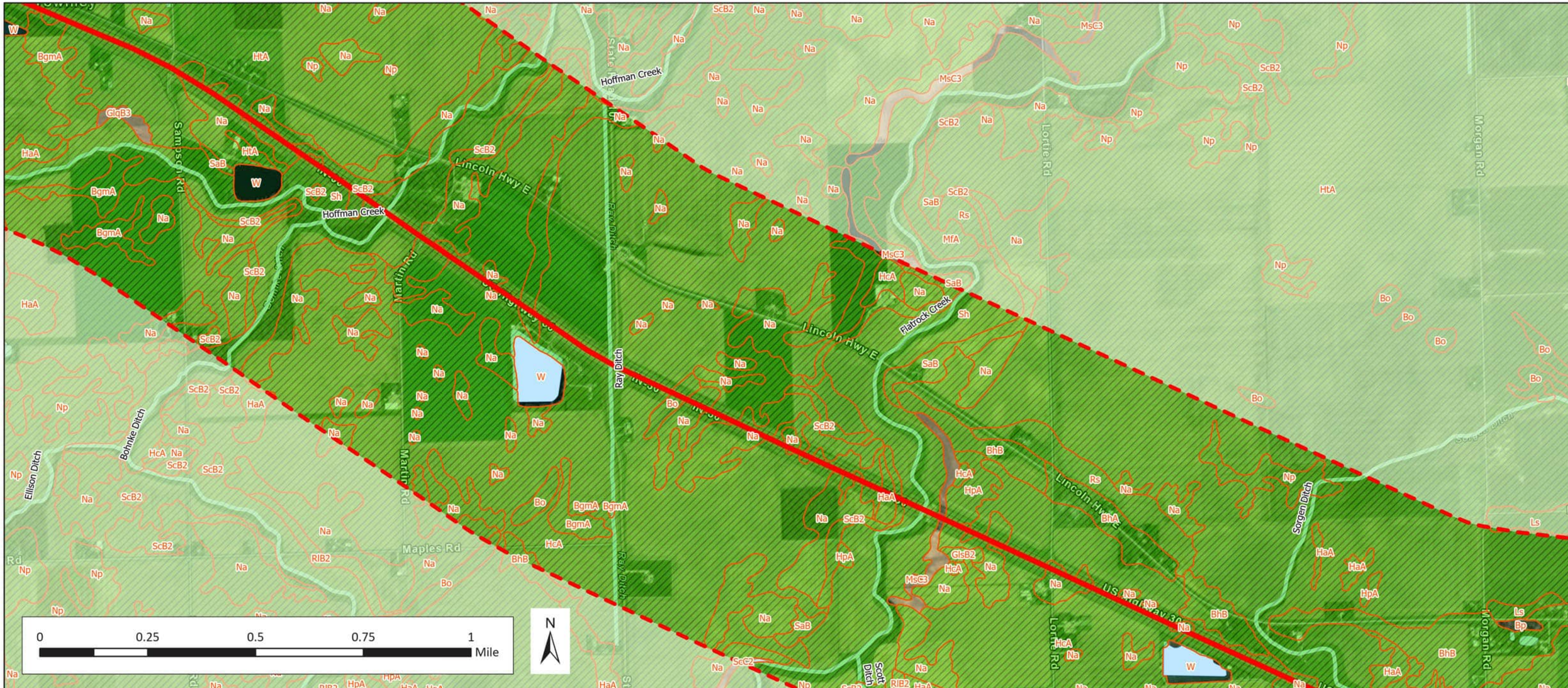

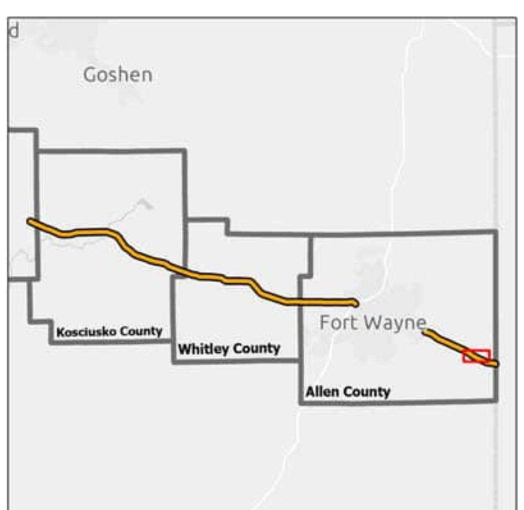

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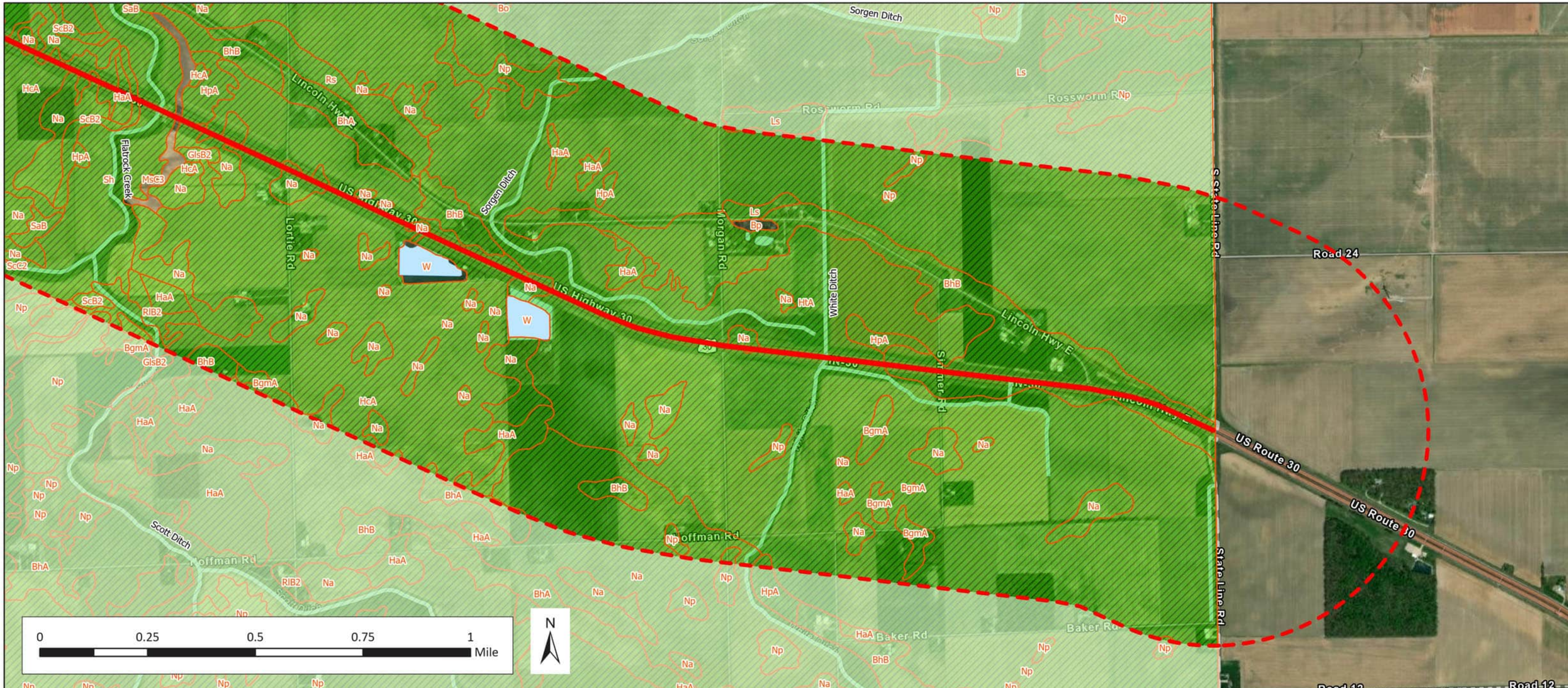

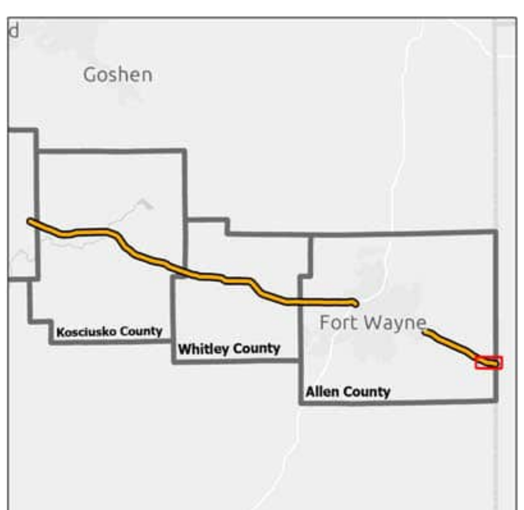

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Environmental Constraints Maps
Topographic Series

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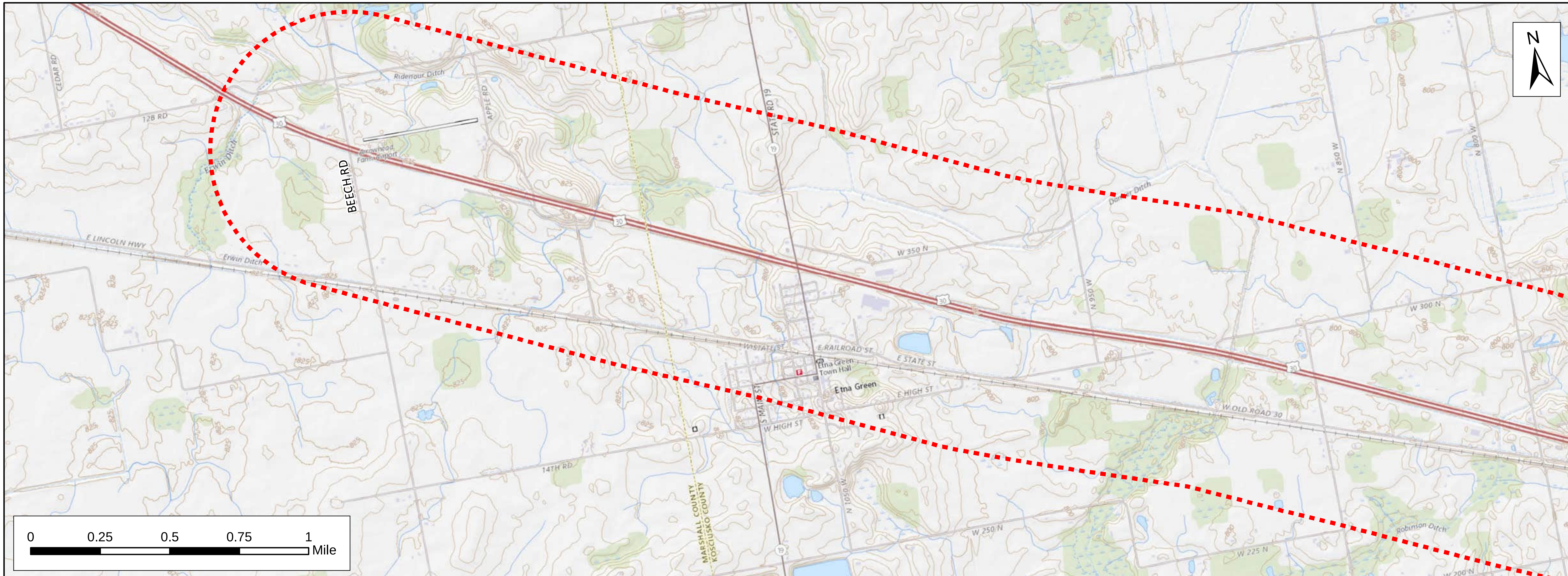

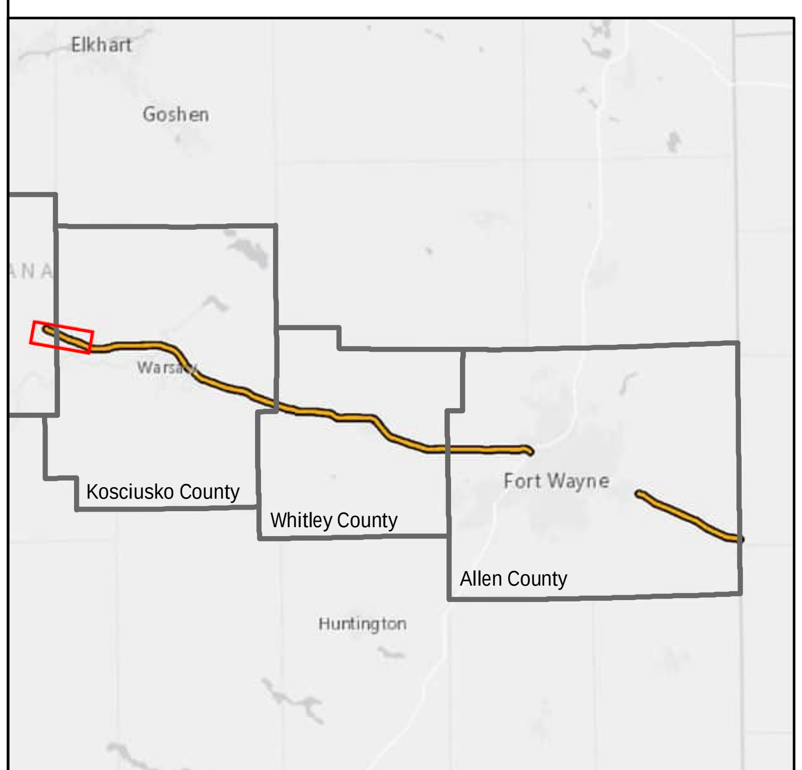

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Topographic Map Series

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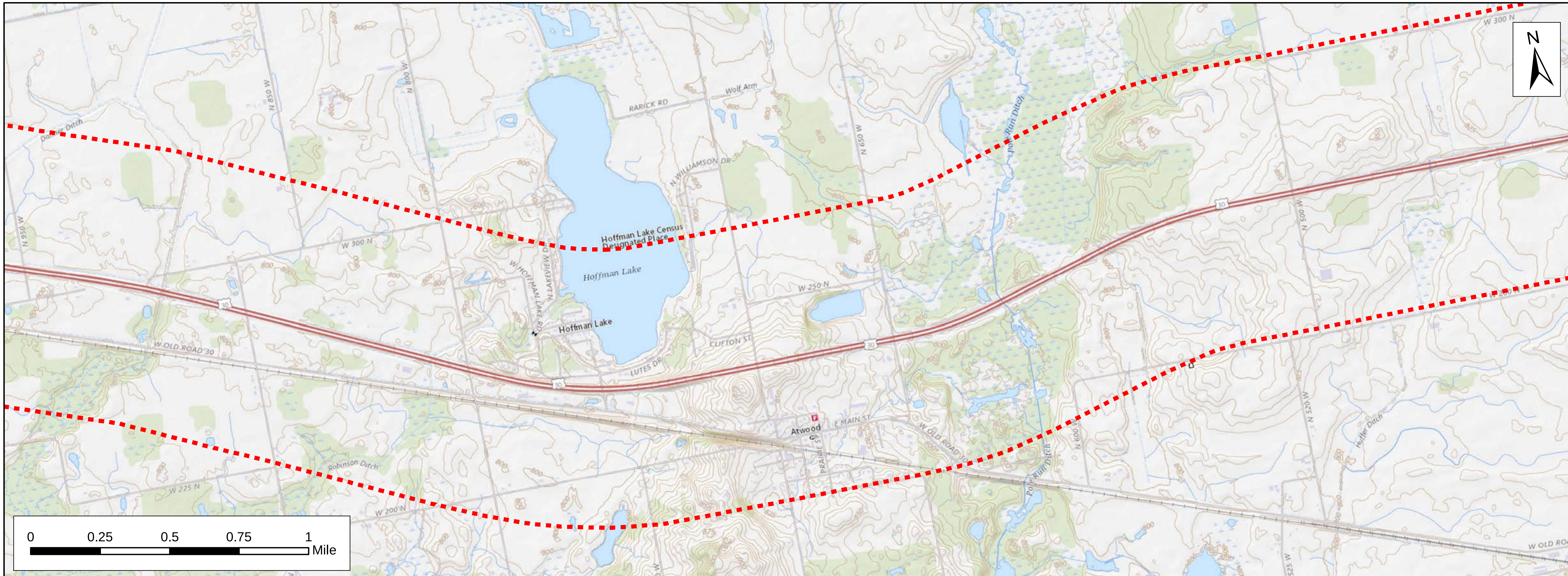

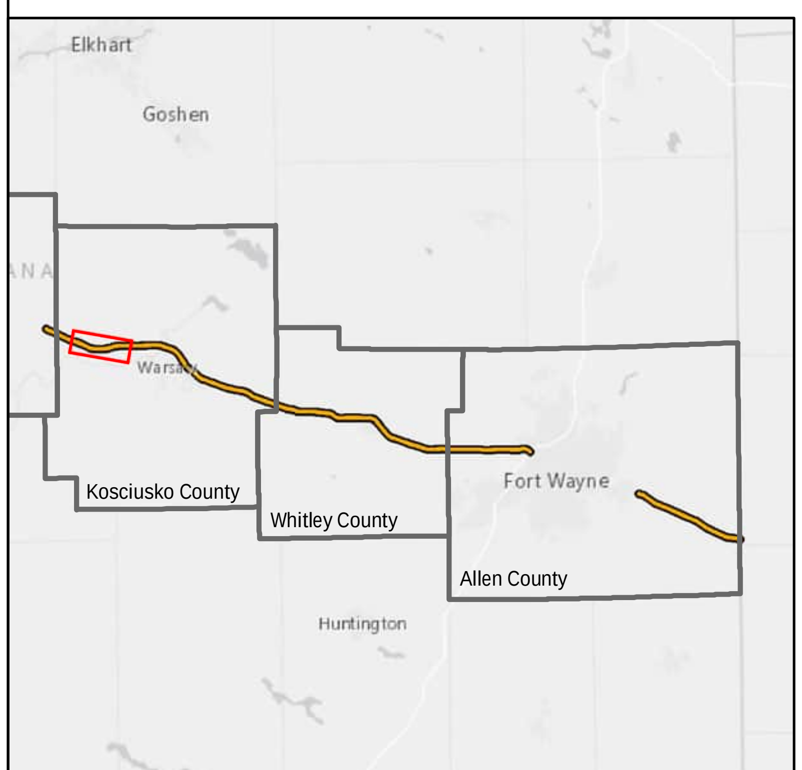

Study Area

PROPEL

Smarter Transportation. Stronger Communities.

US 30

US 30 East PEL Study

Topographic Map Series

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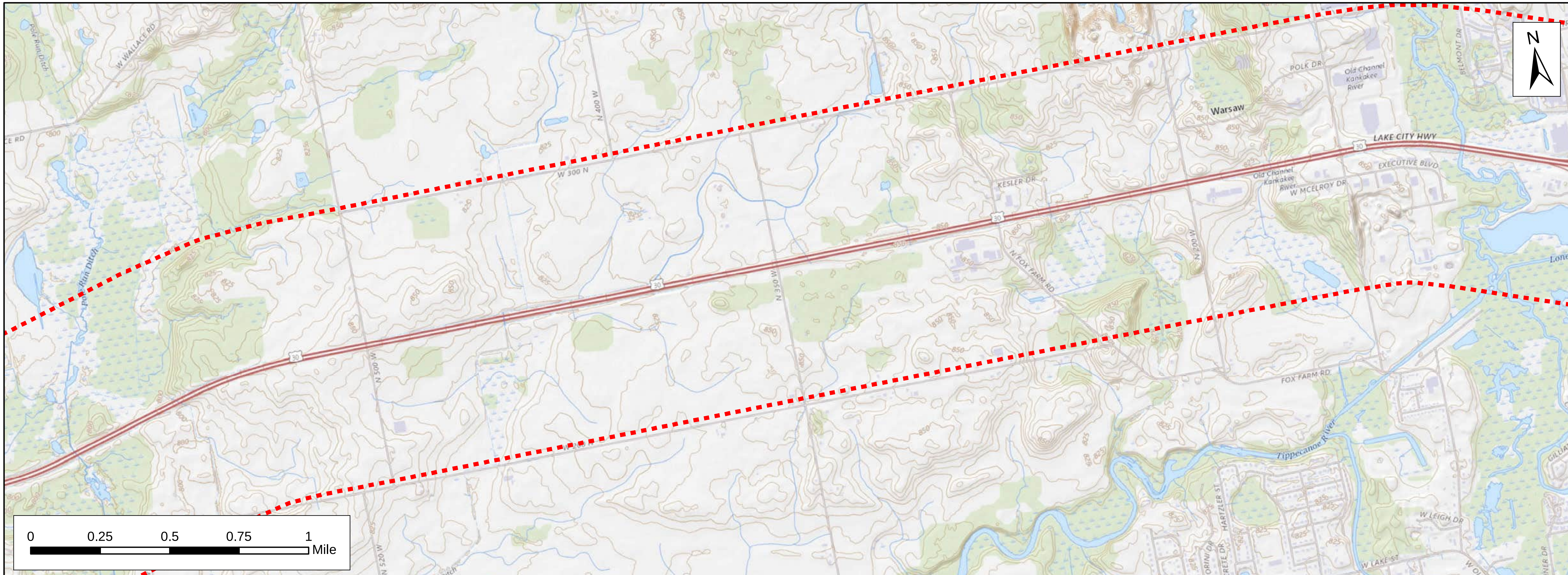

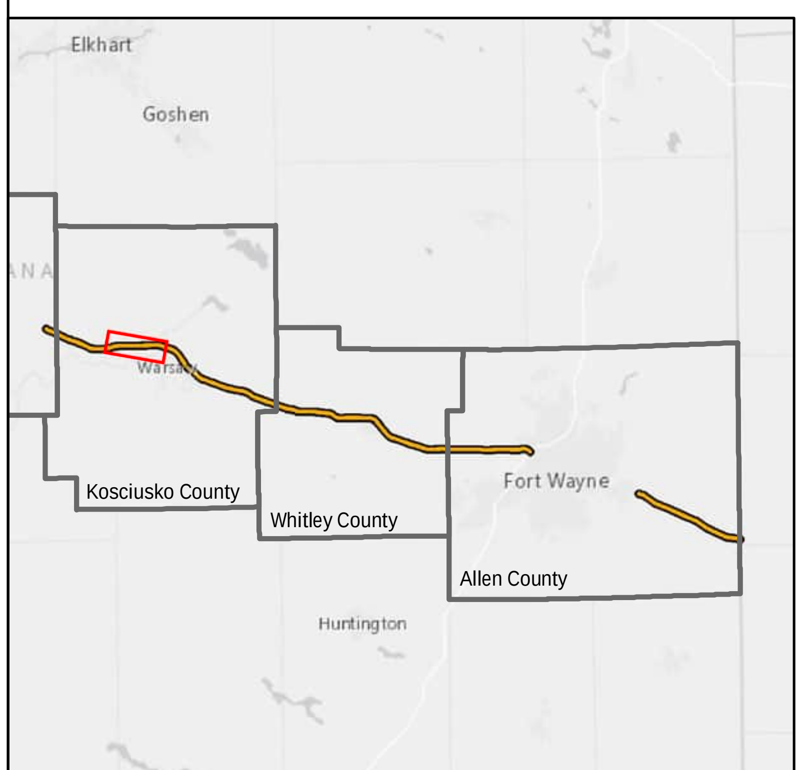

Study Area

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Stronger Communities.
US 30

US 30 East PEL Study

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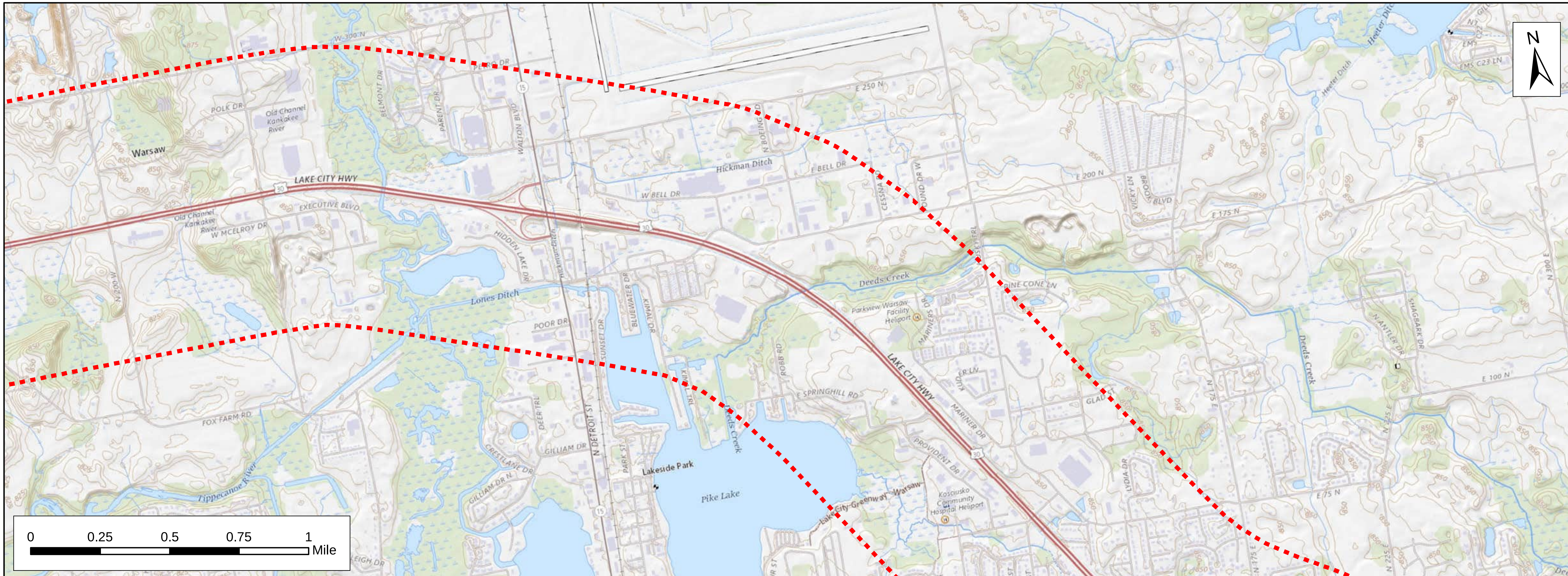

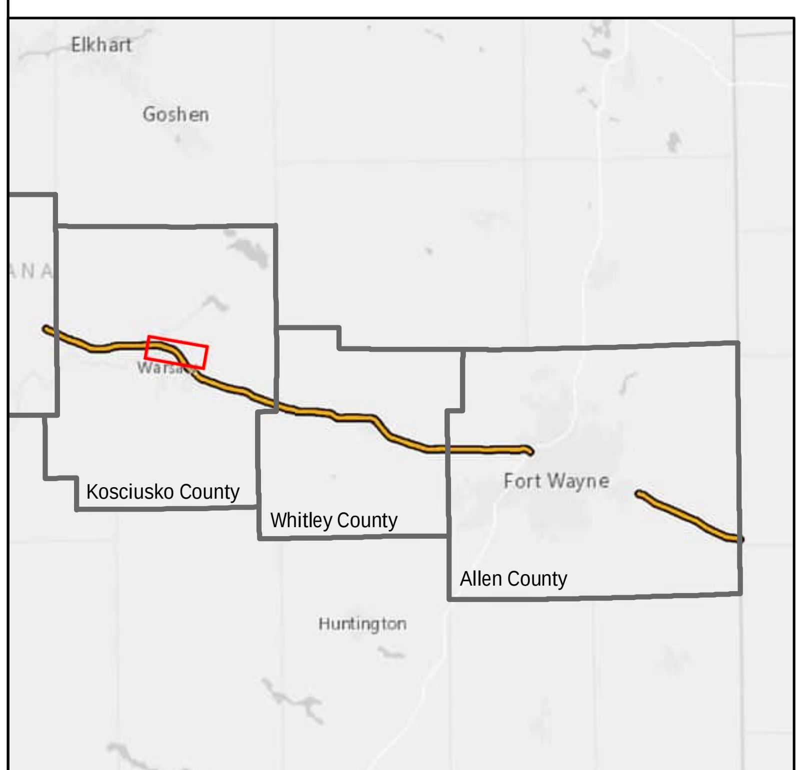

Study Area

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East PEL Study

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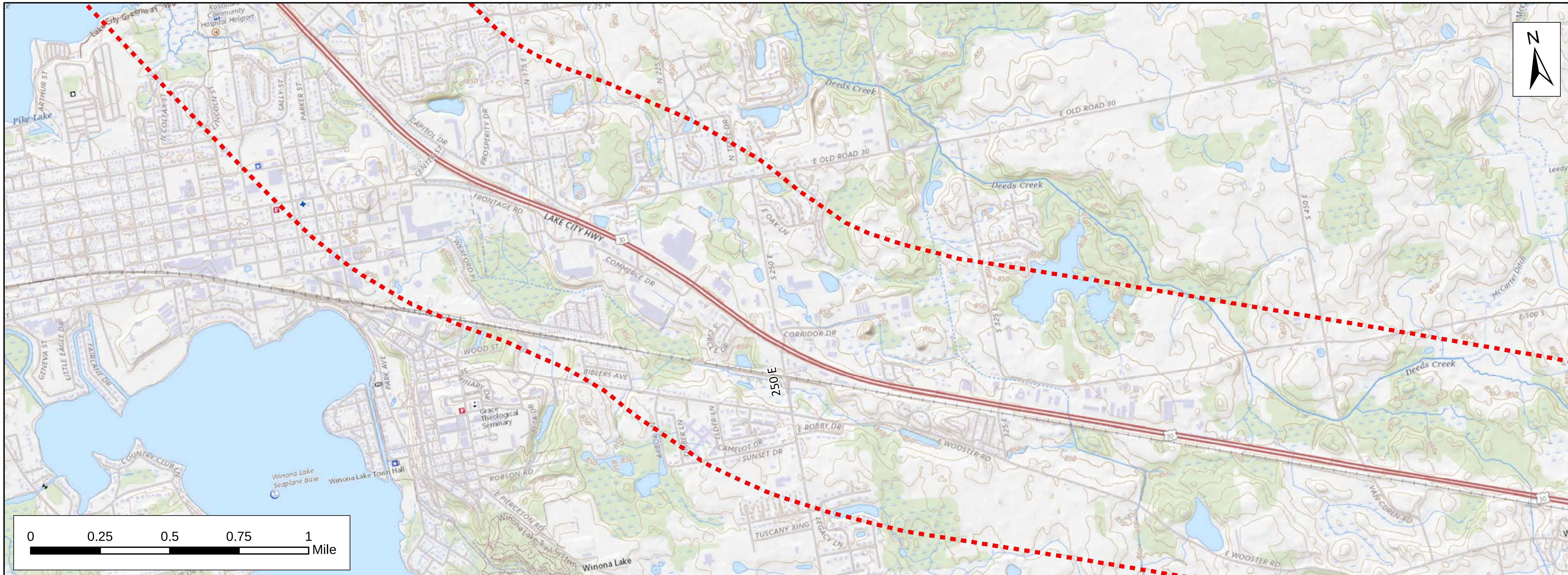

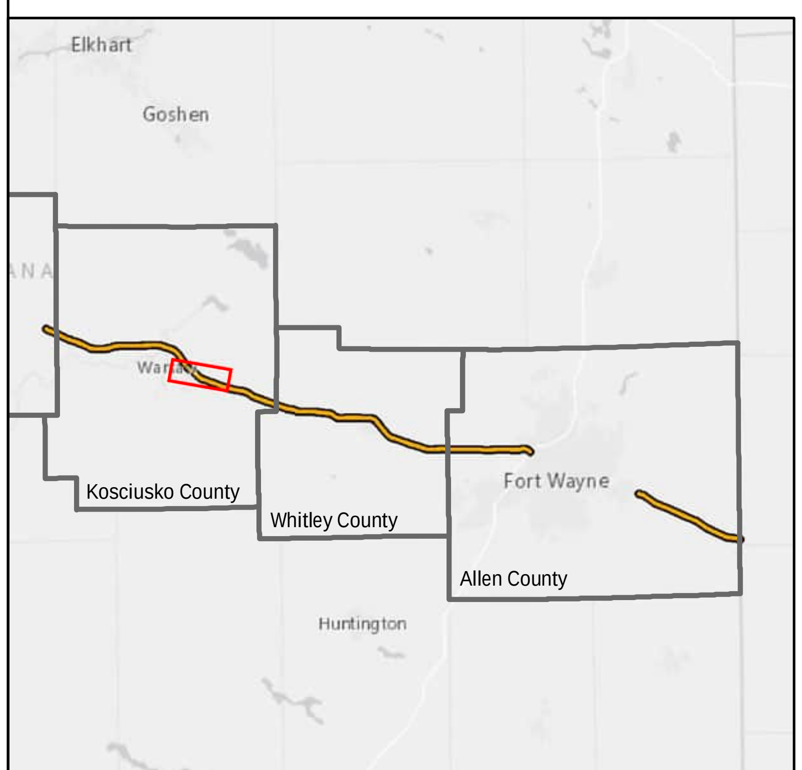

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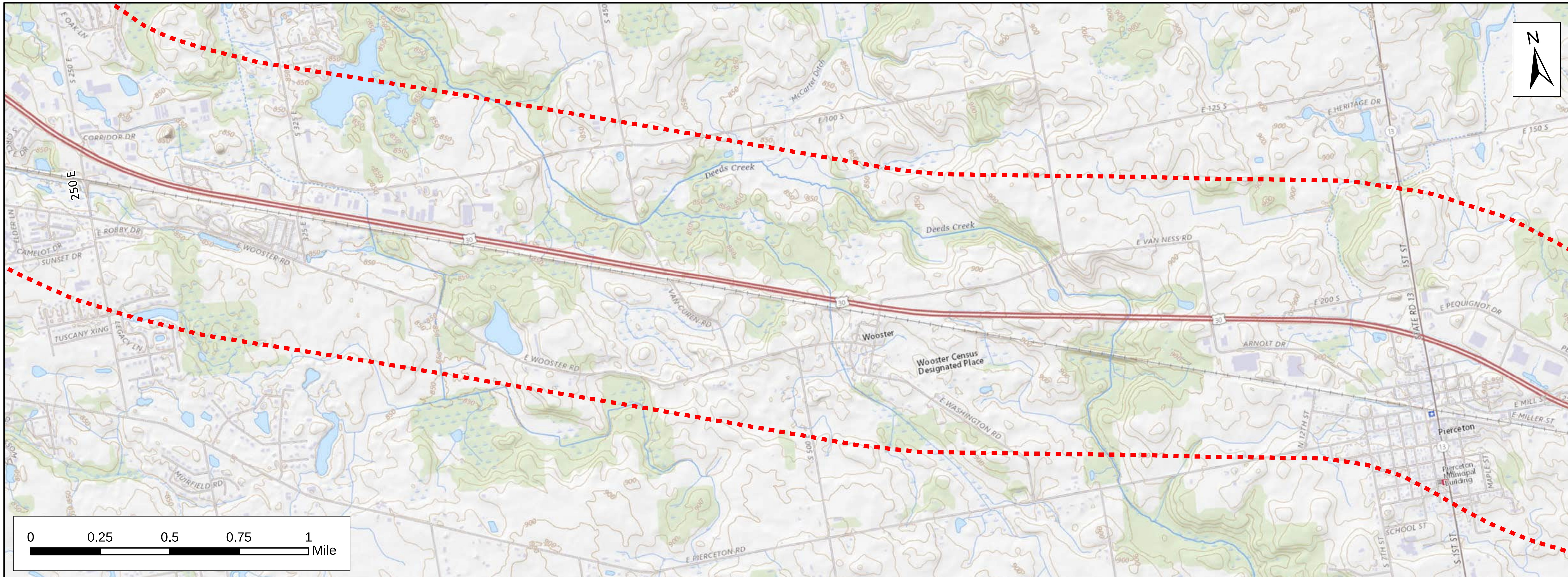

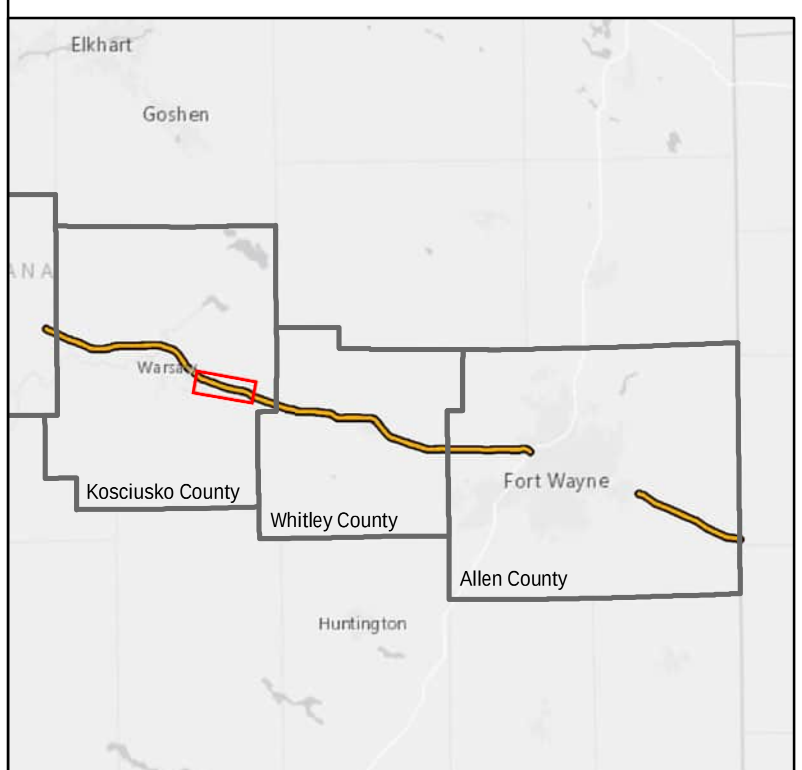

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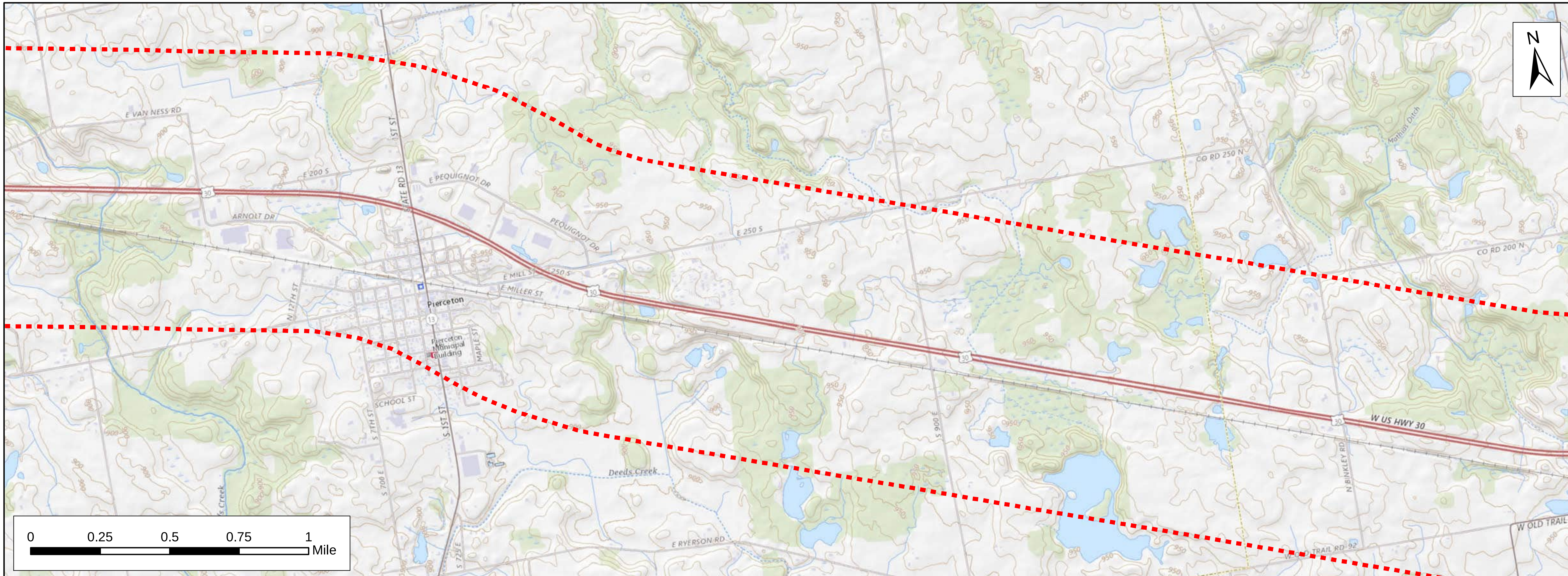

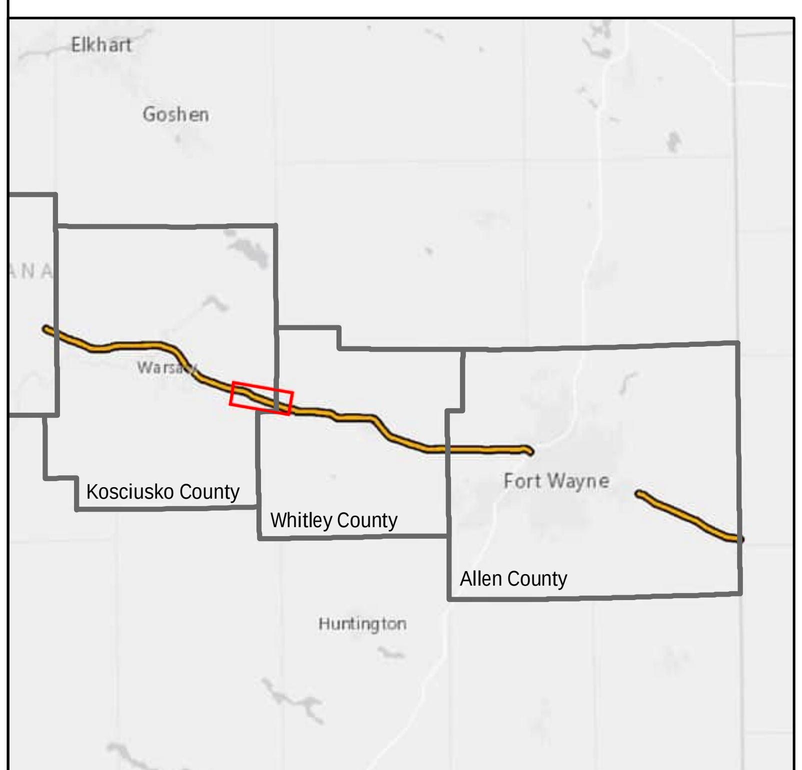

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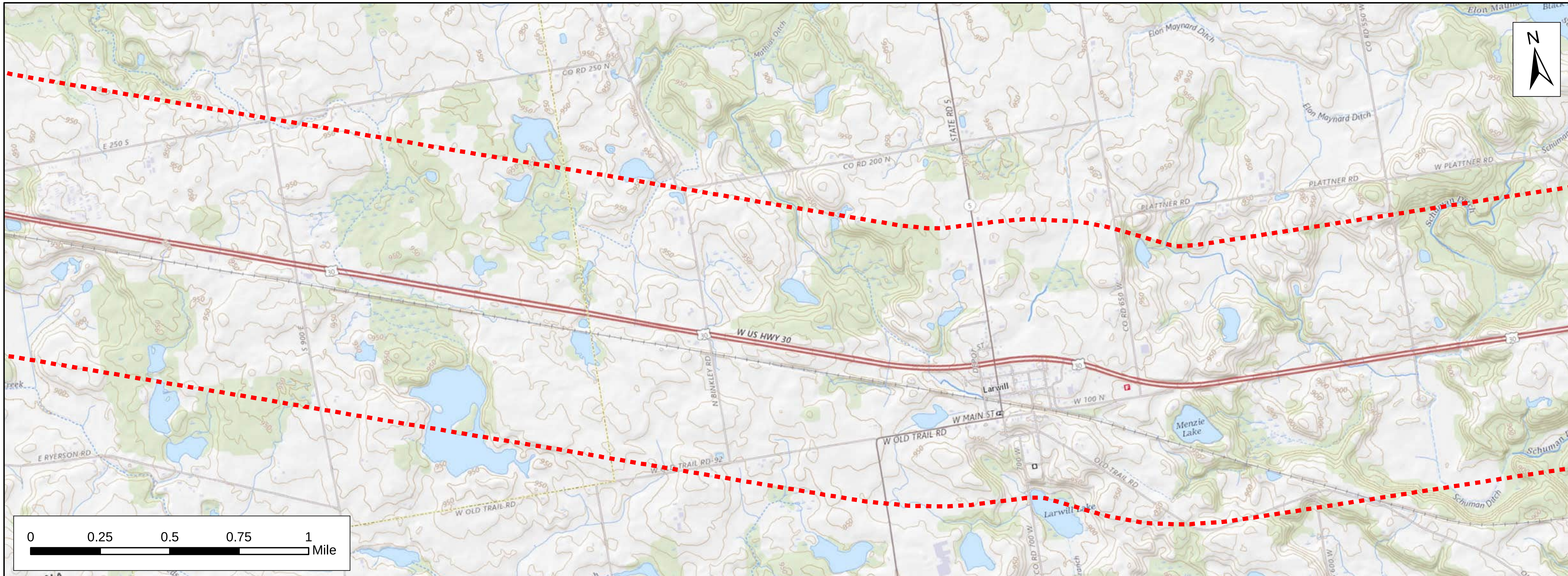

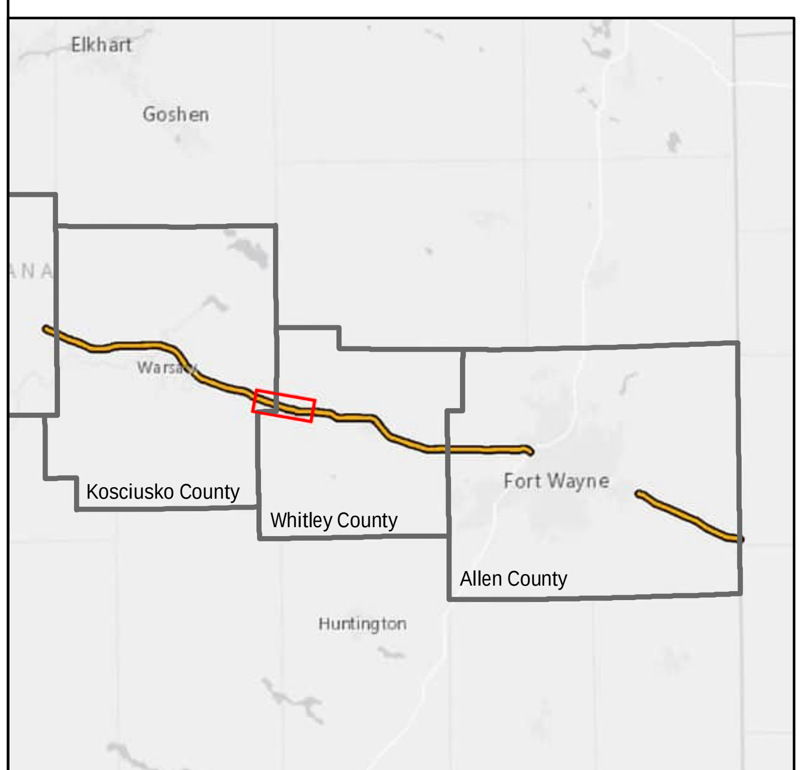

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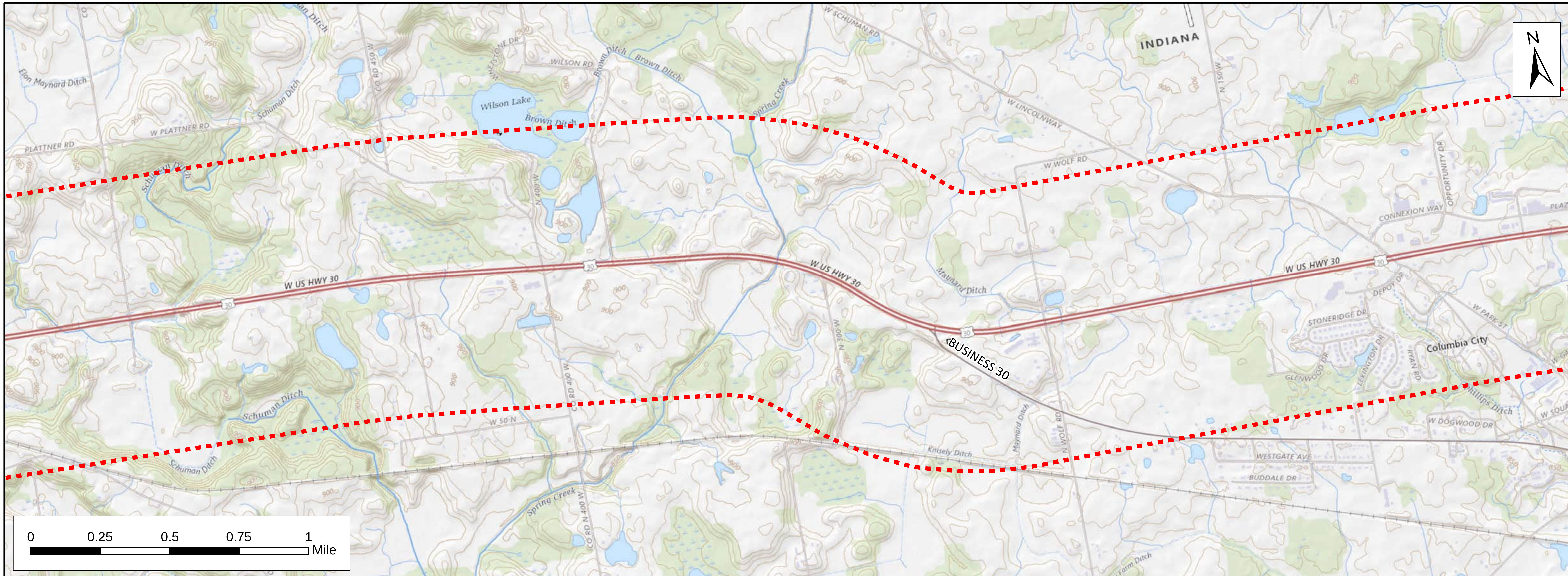

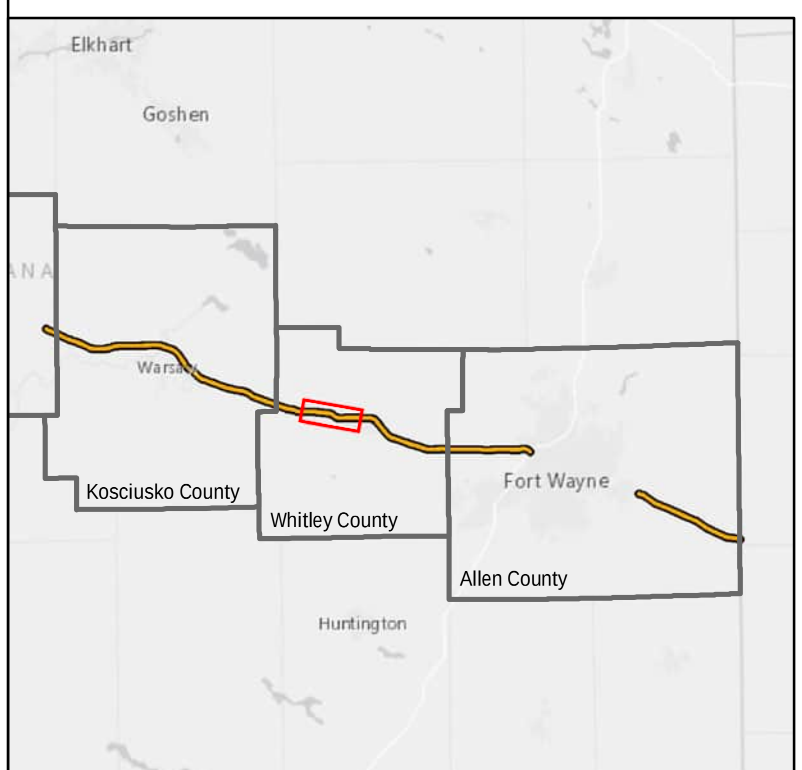

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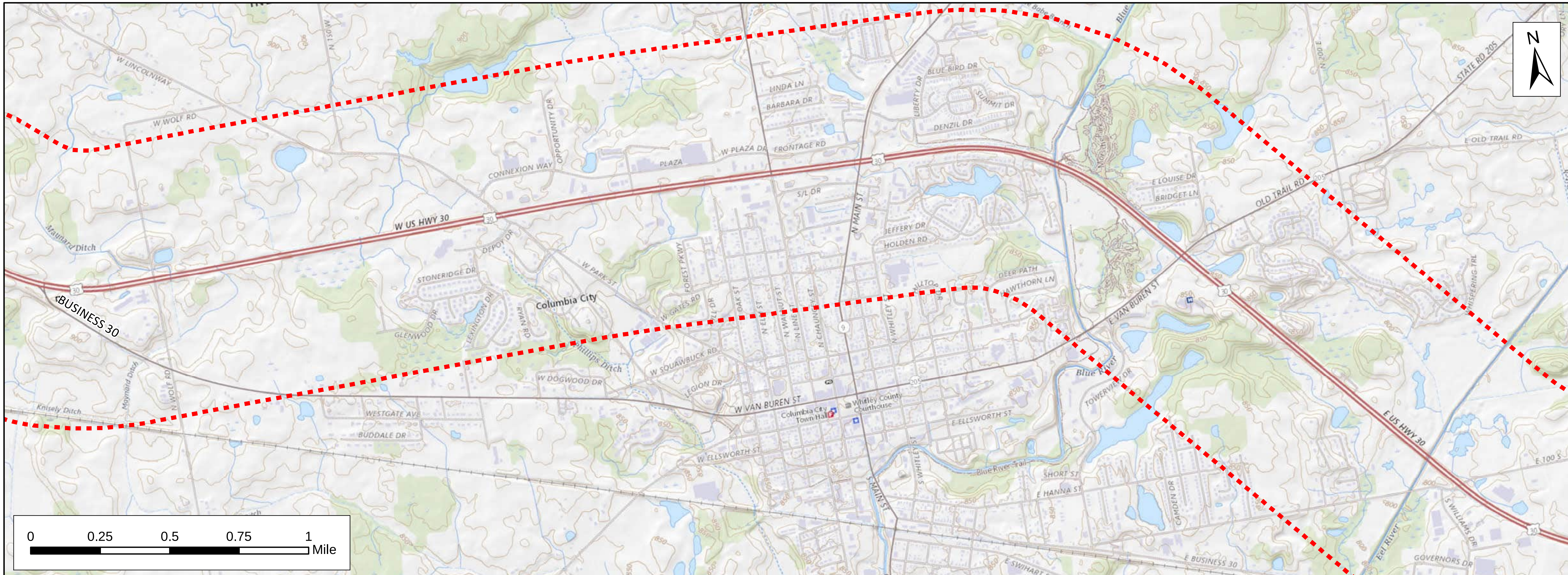

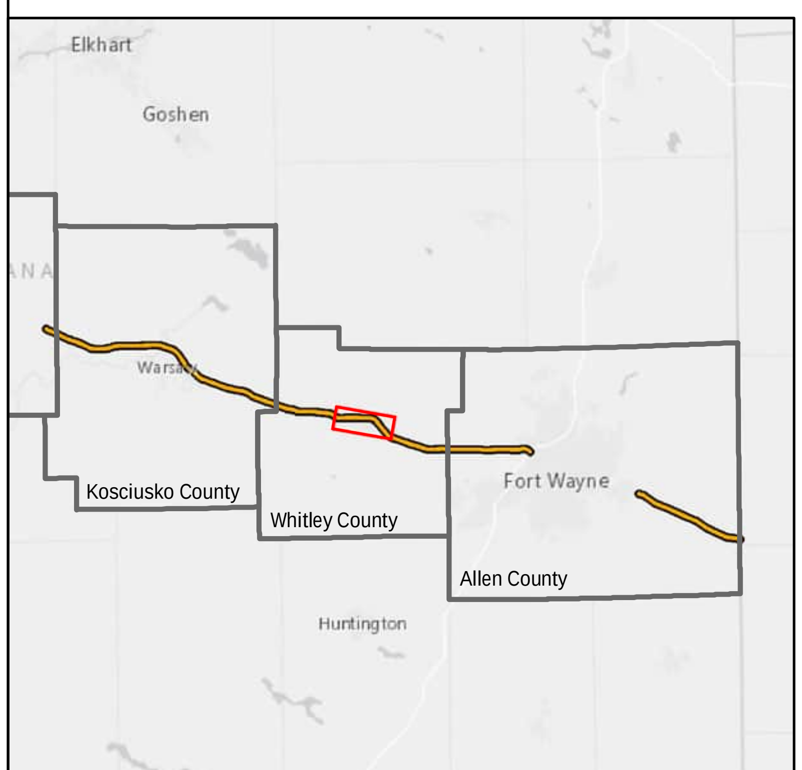

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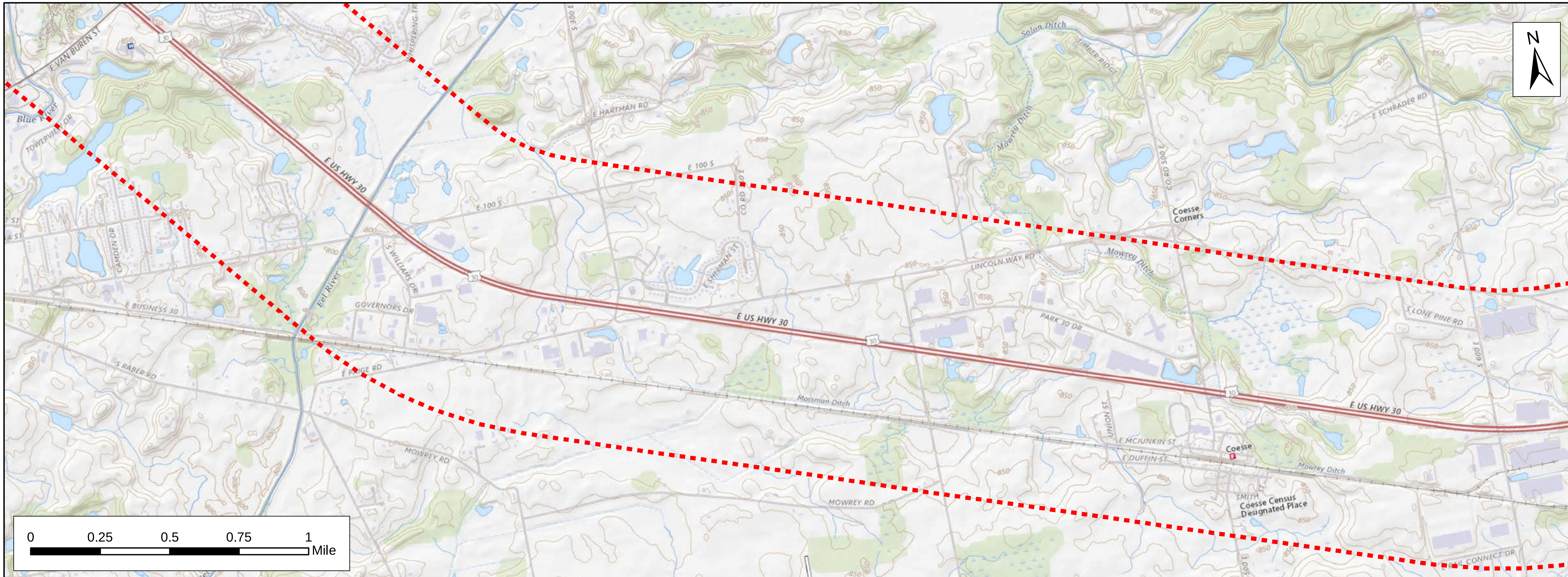

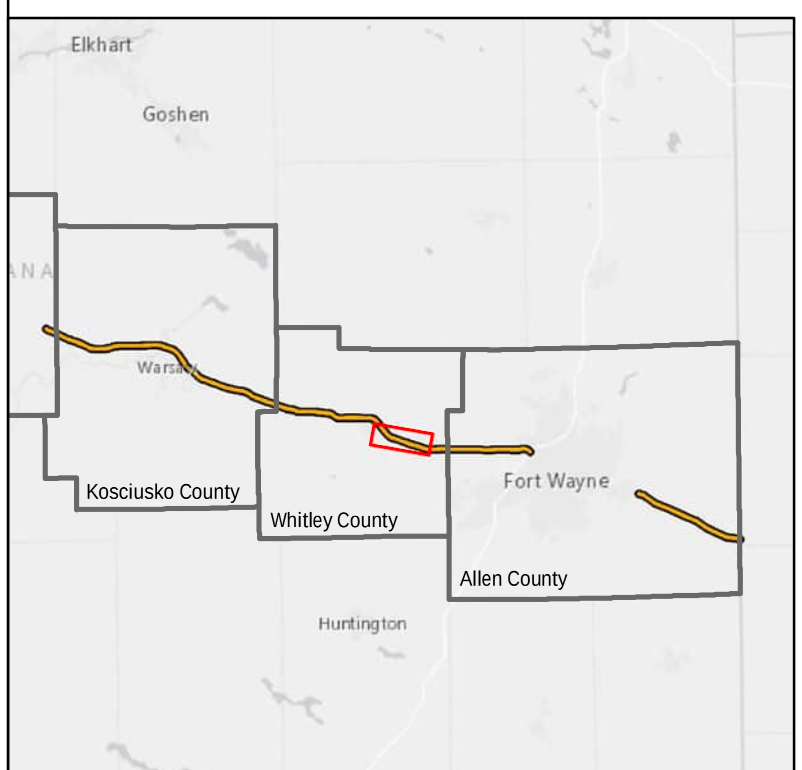

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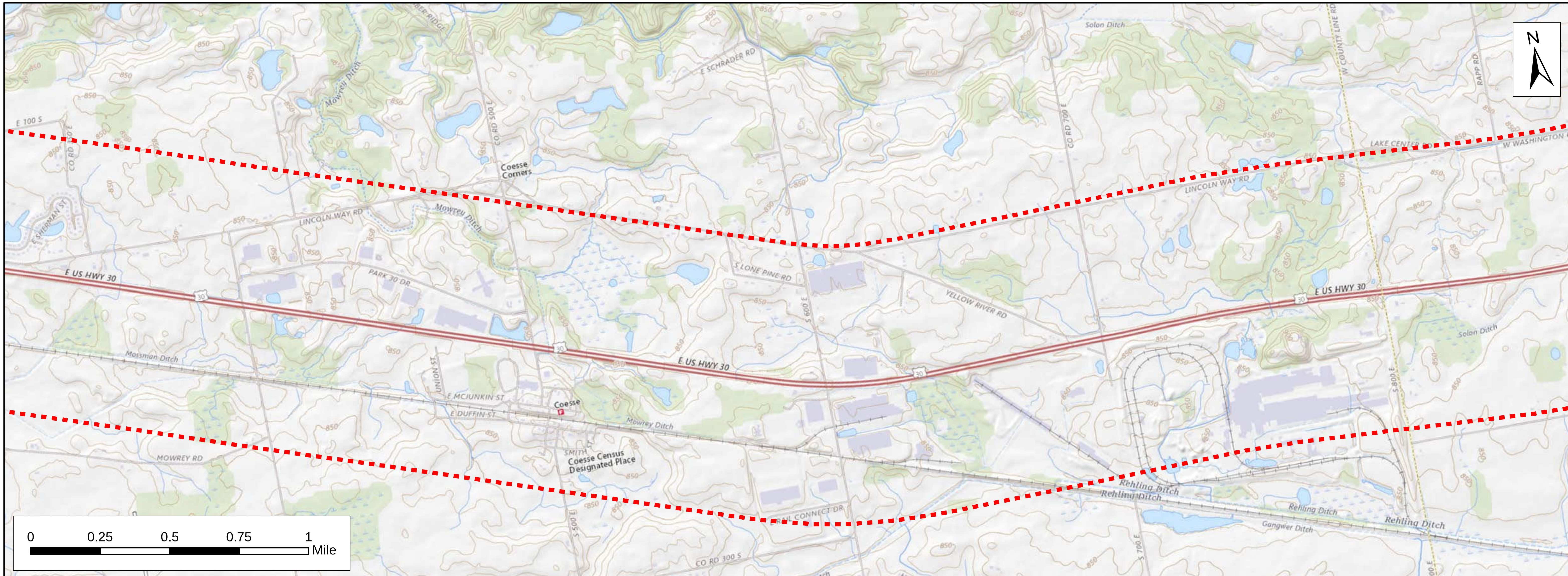

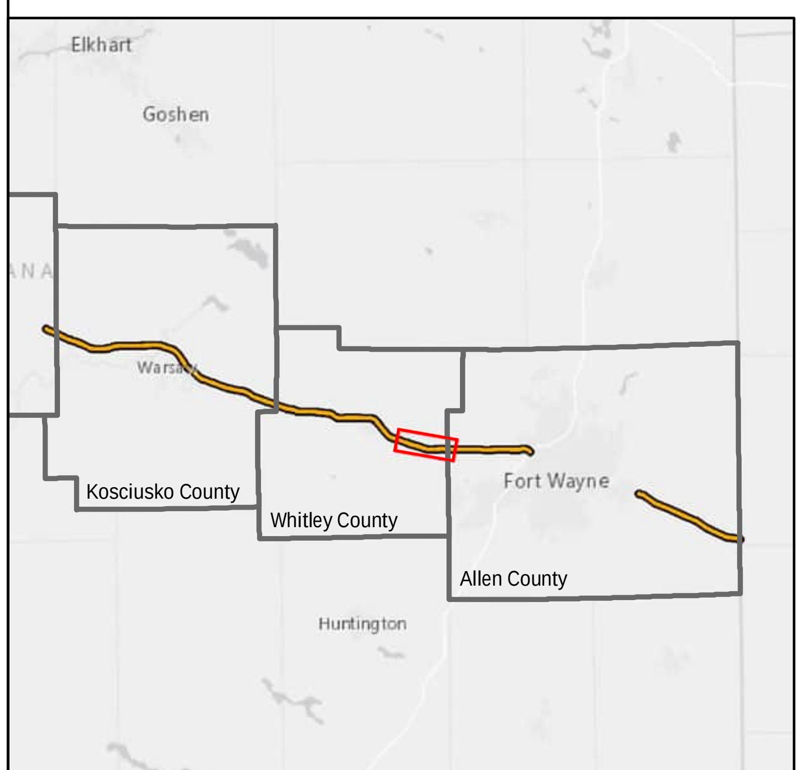

Study Area

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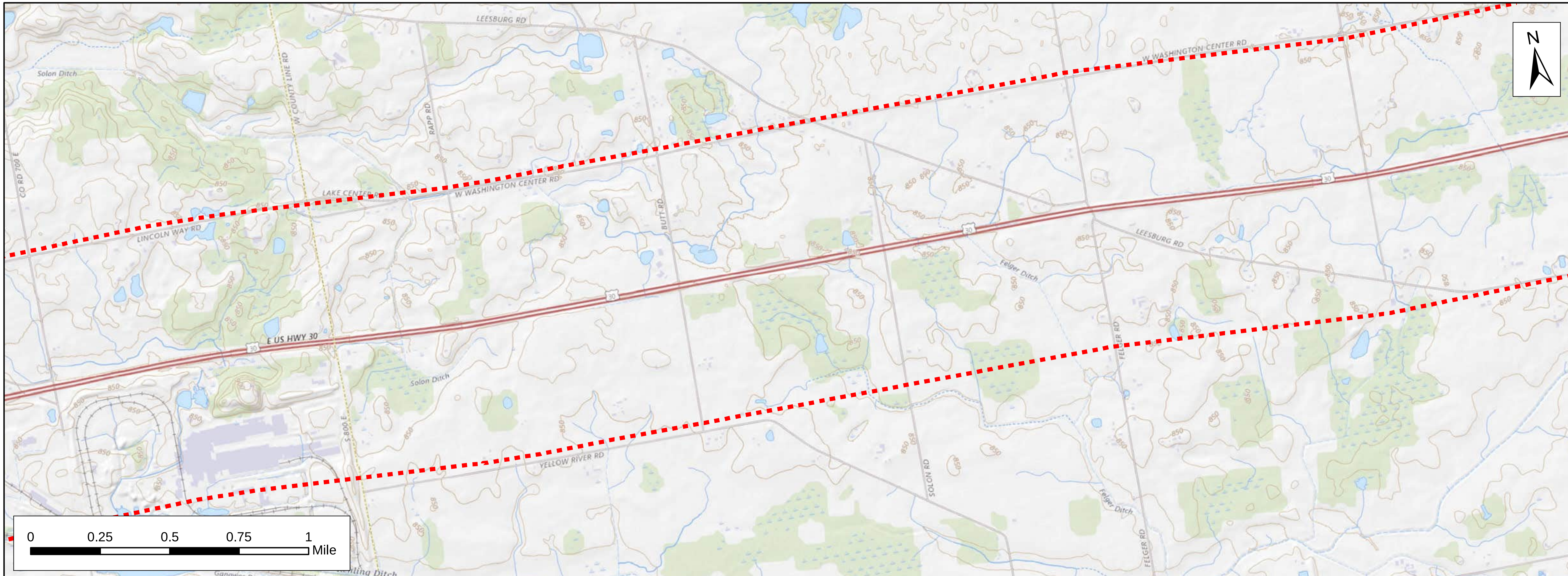

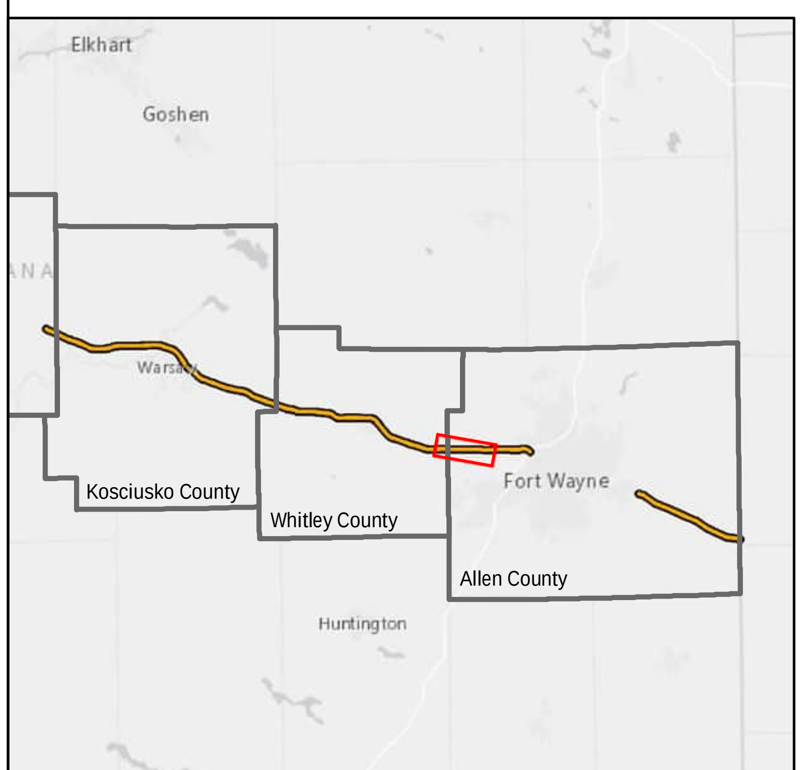

Study Area

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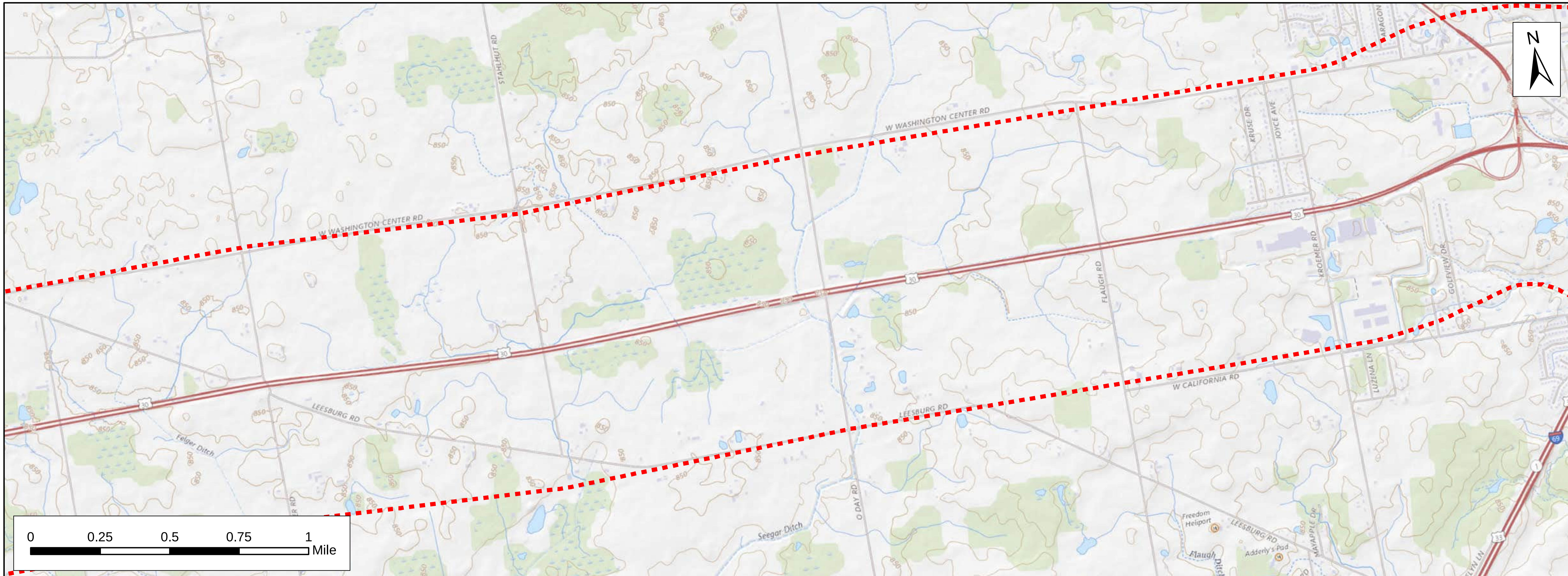

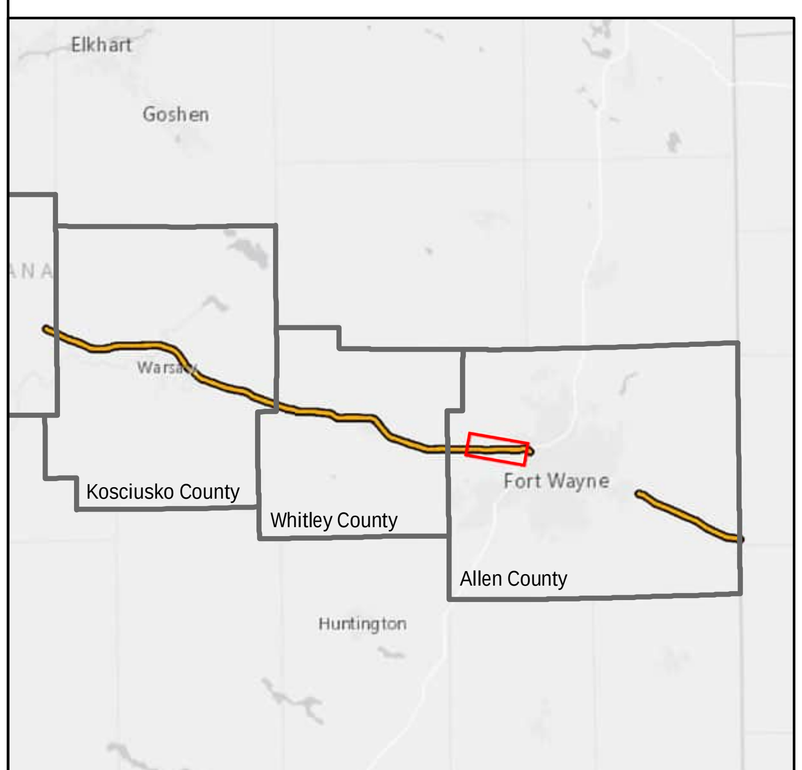

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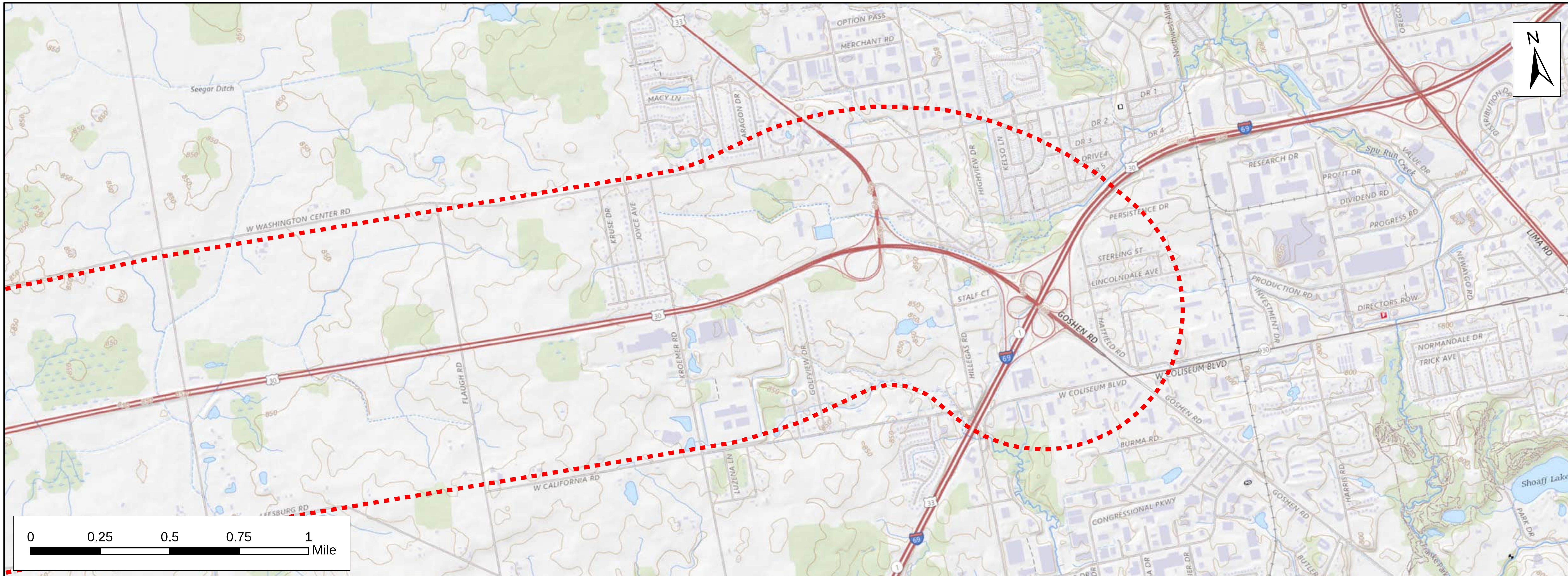

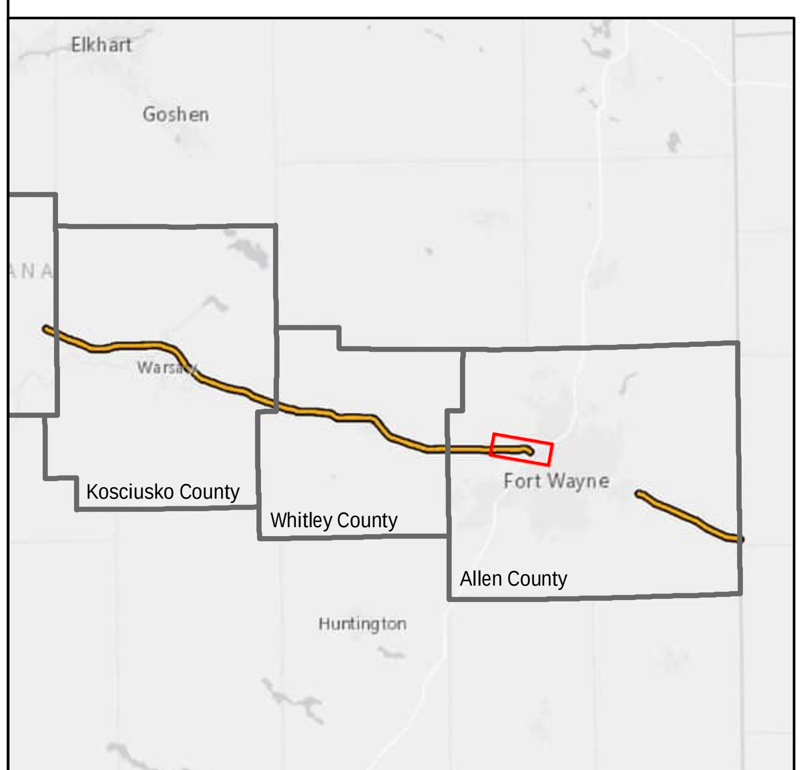

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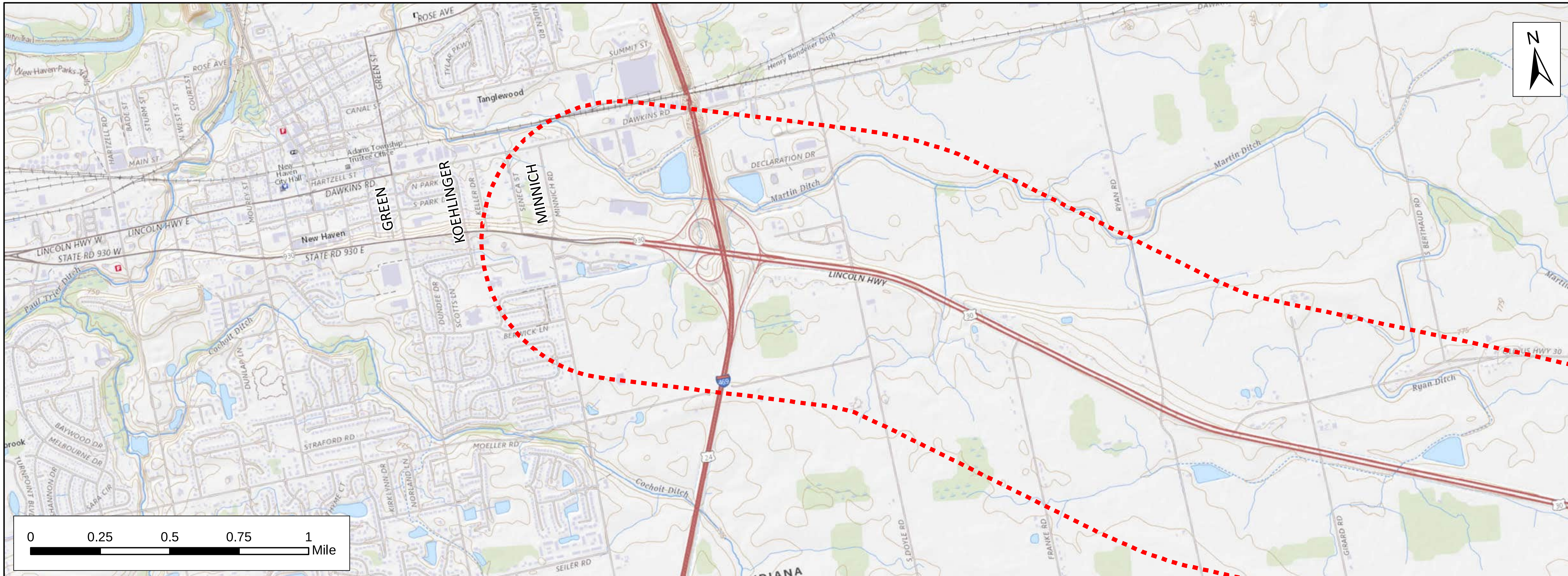

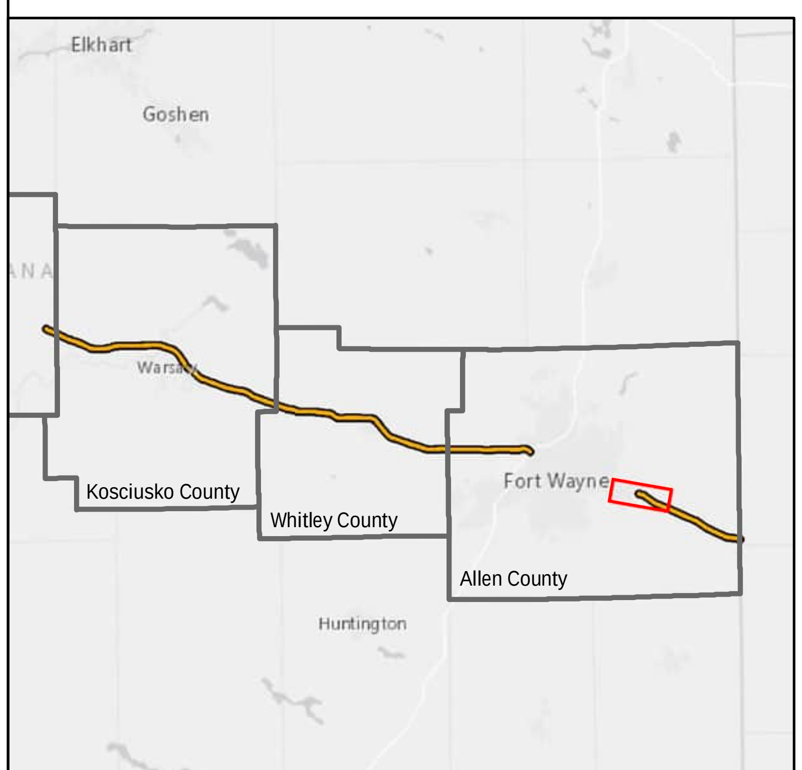

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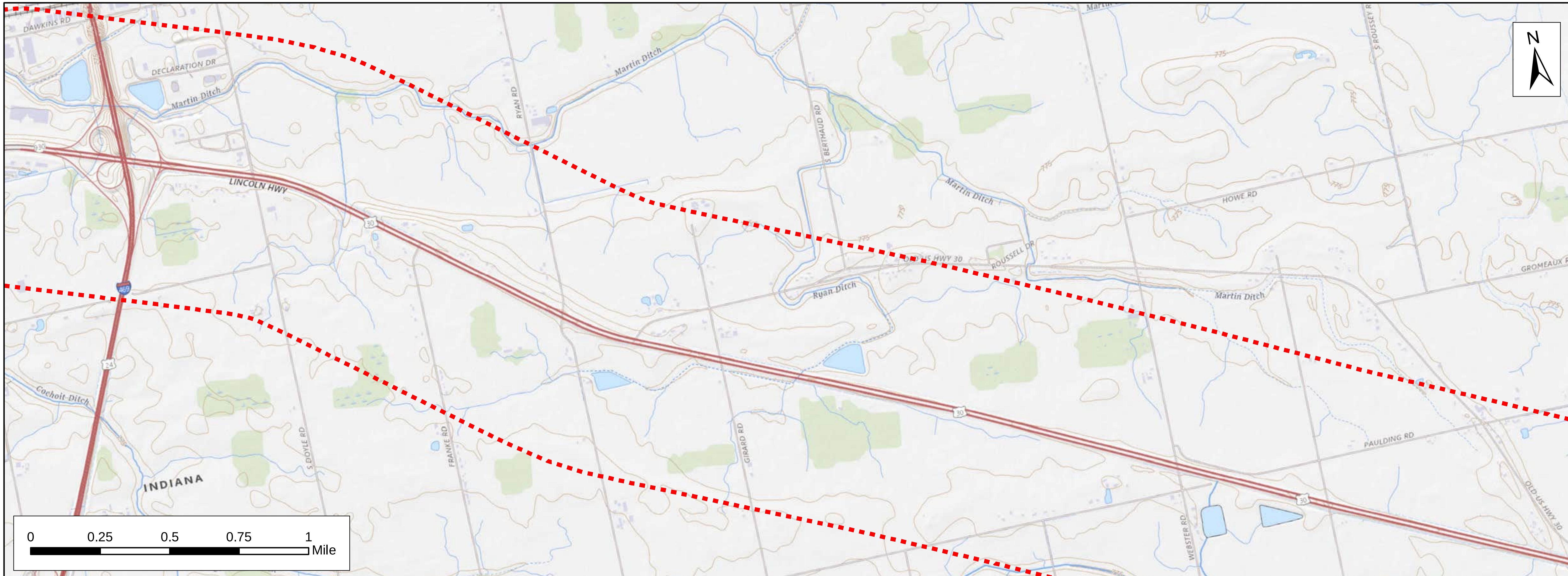

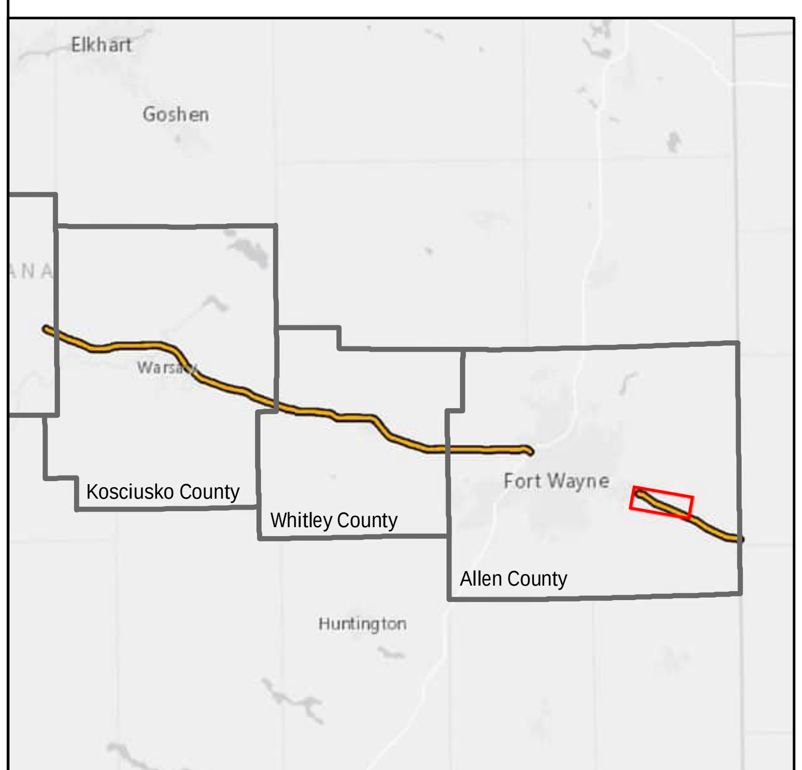

Study Area

Smarter Transportation. Stronger Communities. US 30

US 30 East PEL Study

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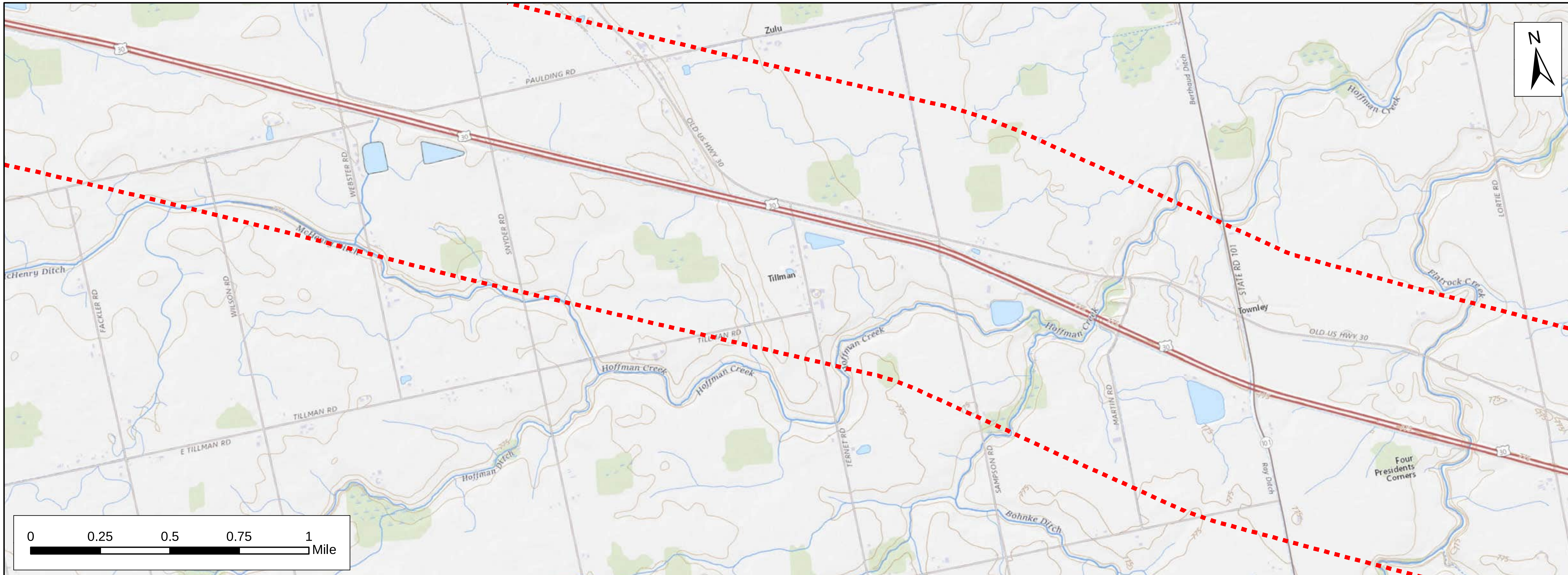

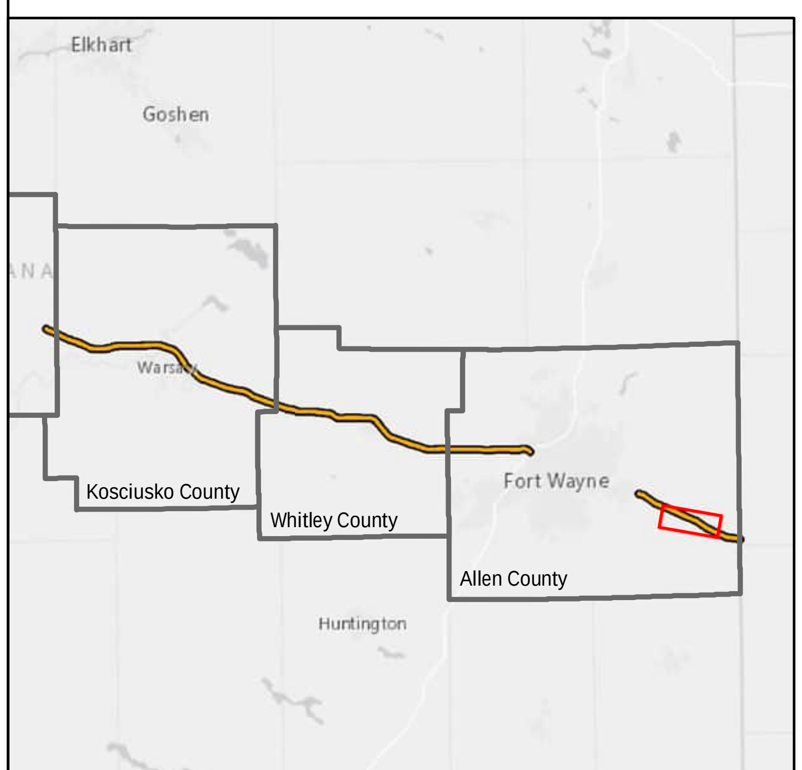

Study Area

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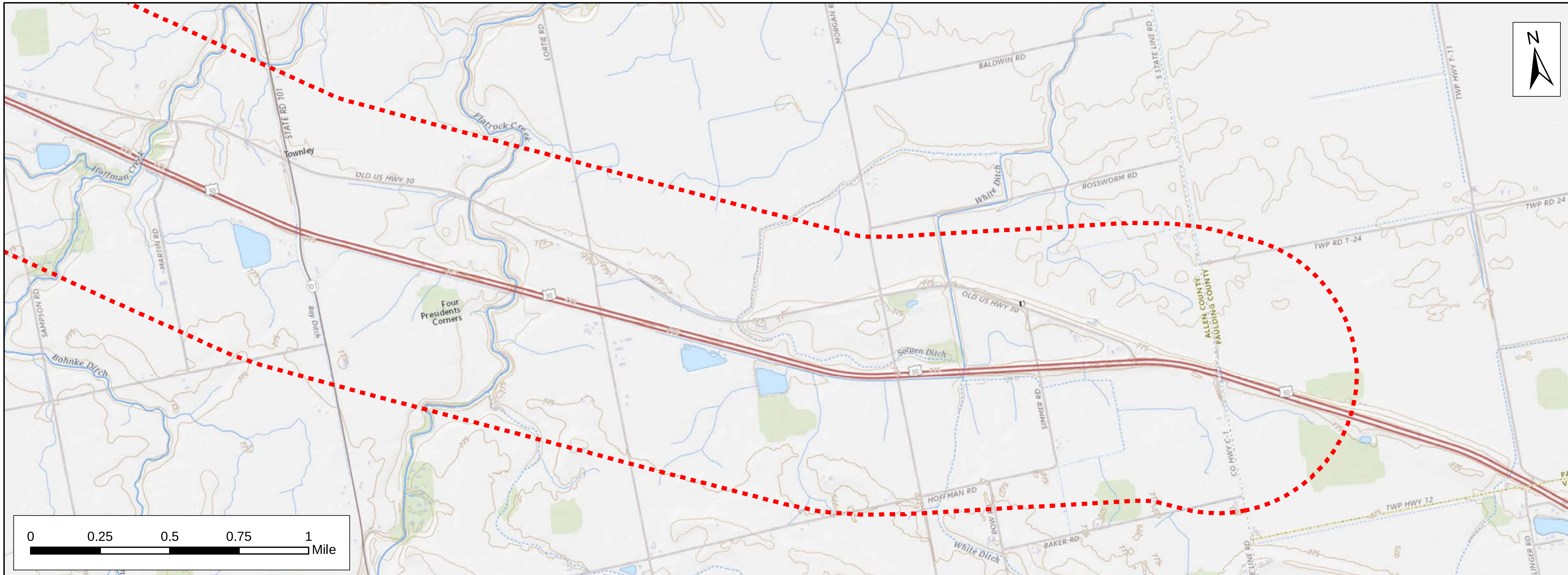

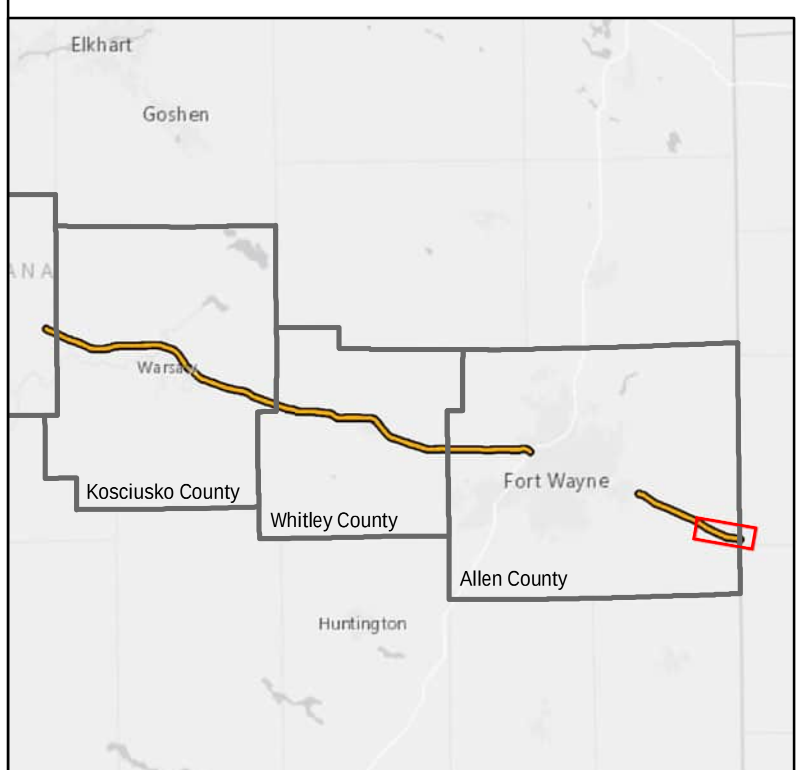

Study Area

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Stronger Communities.
US 30

US 30 East PEL Study

Topographic Map Series

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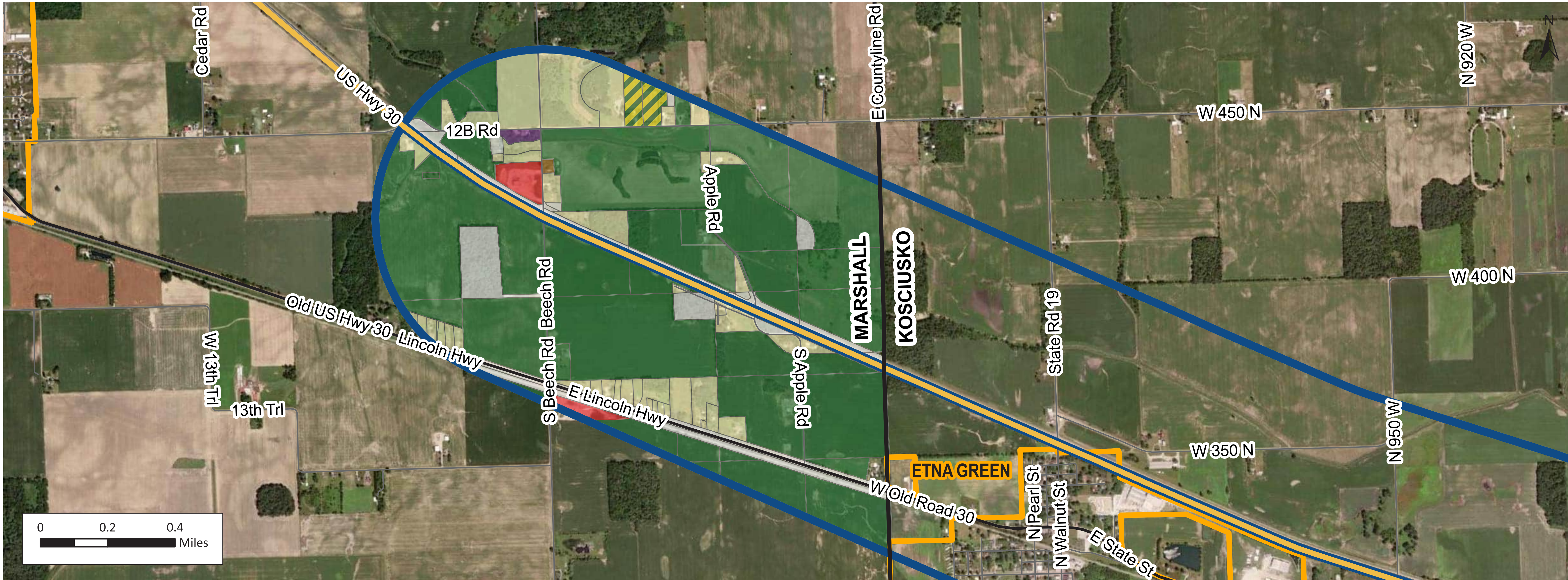
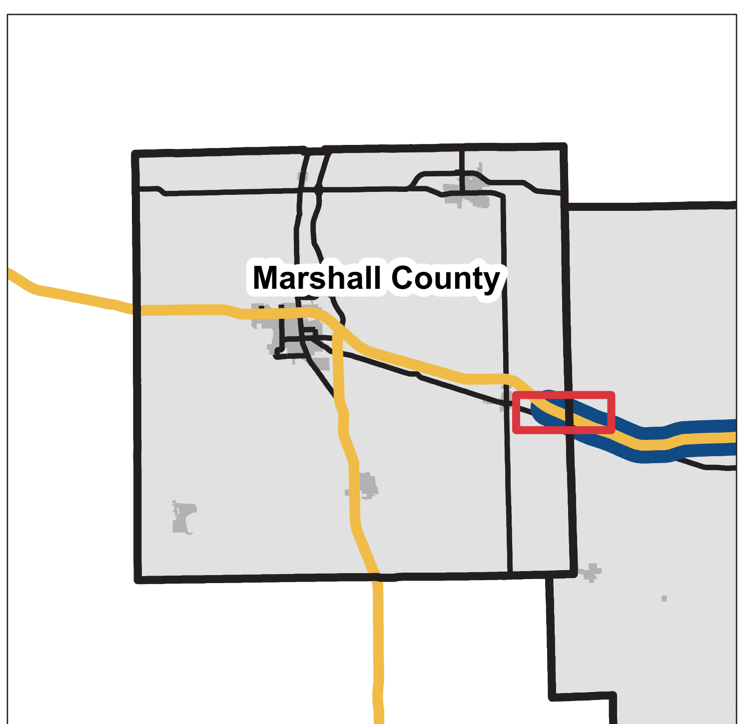
Environmental Constraints Maps
Existing Land Use Series





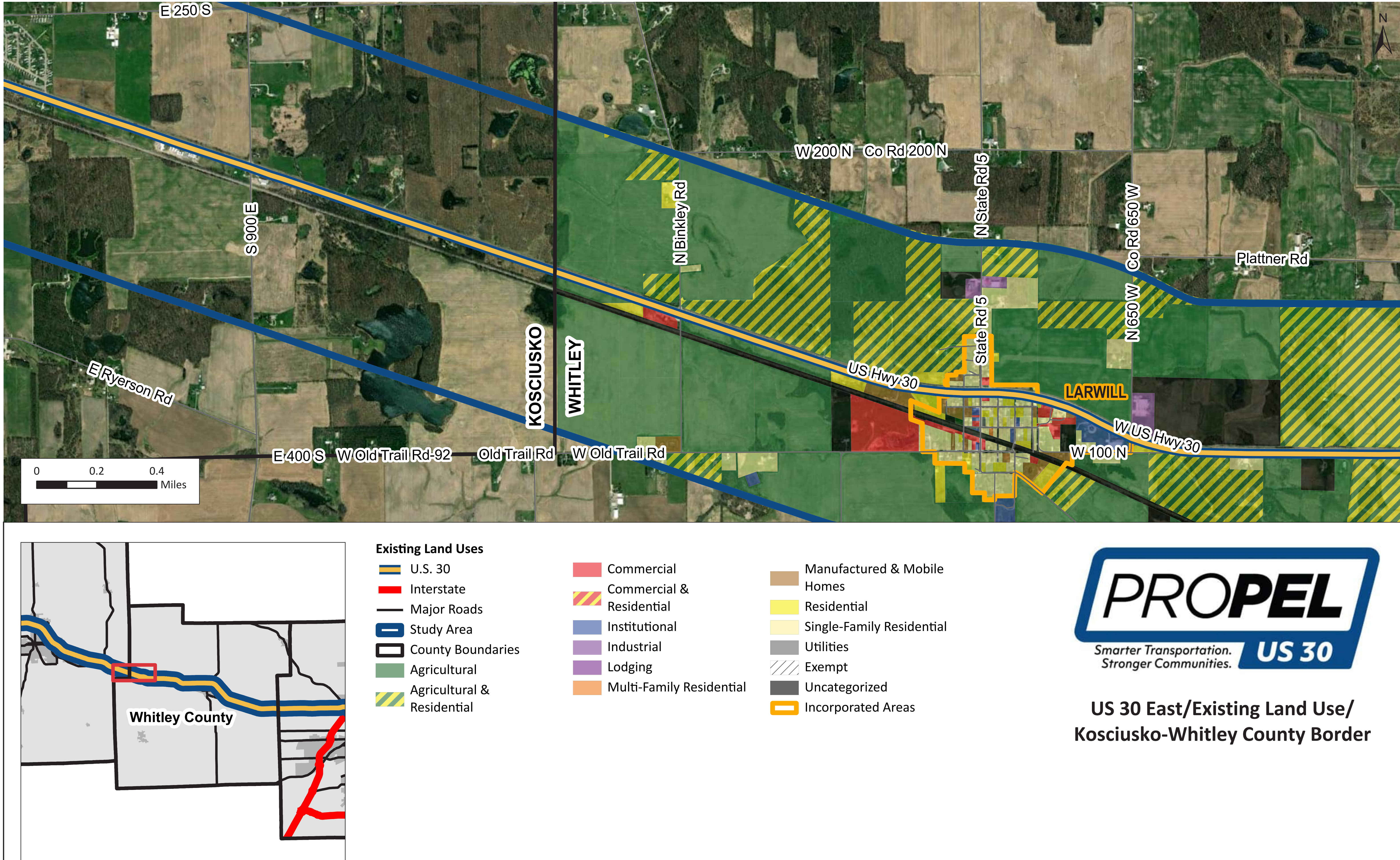
Existing Land Uses

- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Industrial
- Manufactured & Mobile Home
- Single-Family Residential
- Vacant
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Marshall County

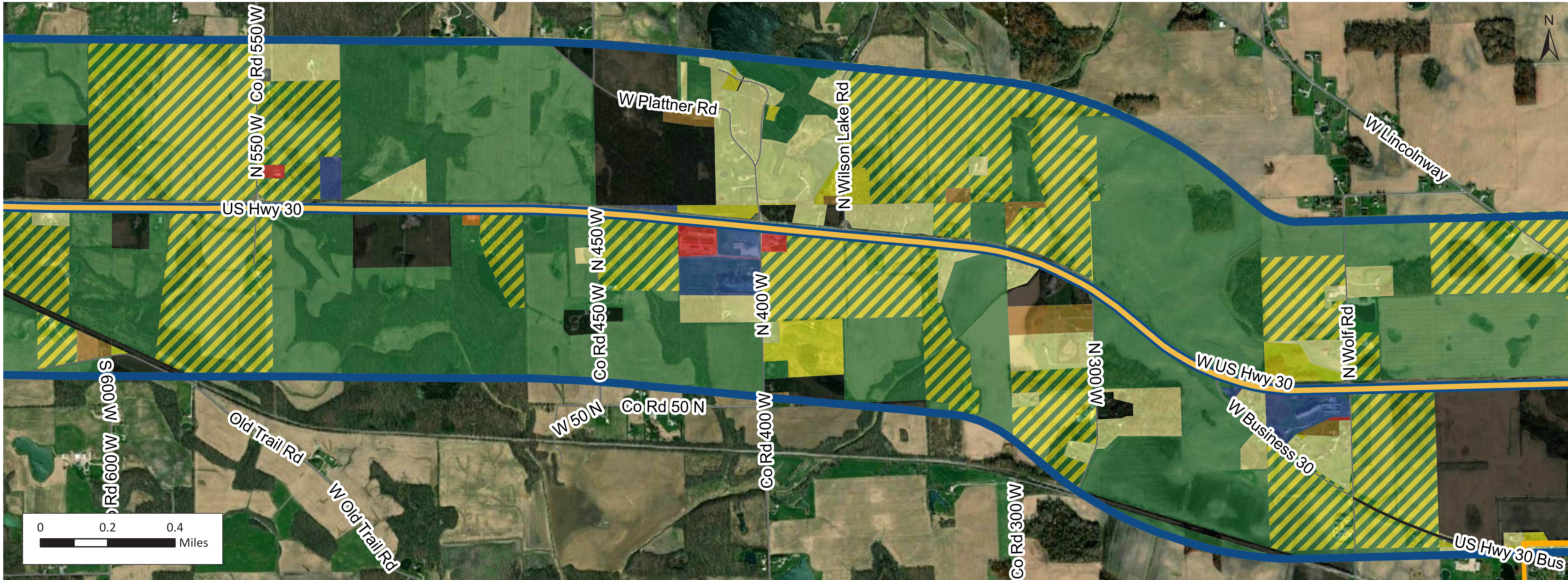
Earthstar Geographics, Maxar

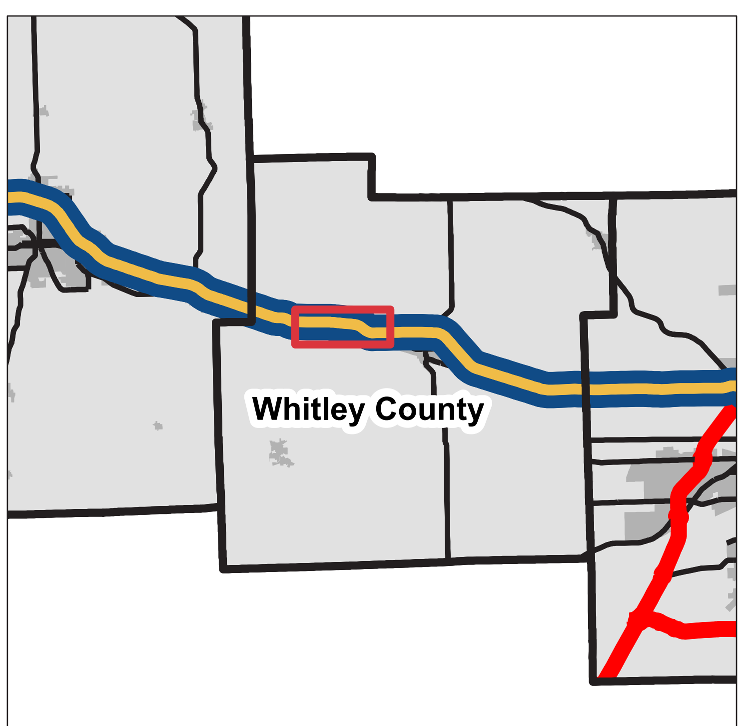


PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Kosciusko-Whitley County Border

Earthstar Geographics, Maxar





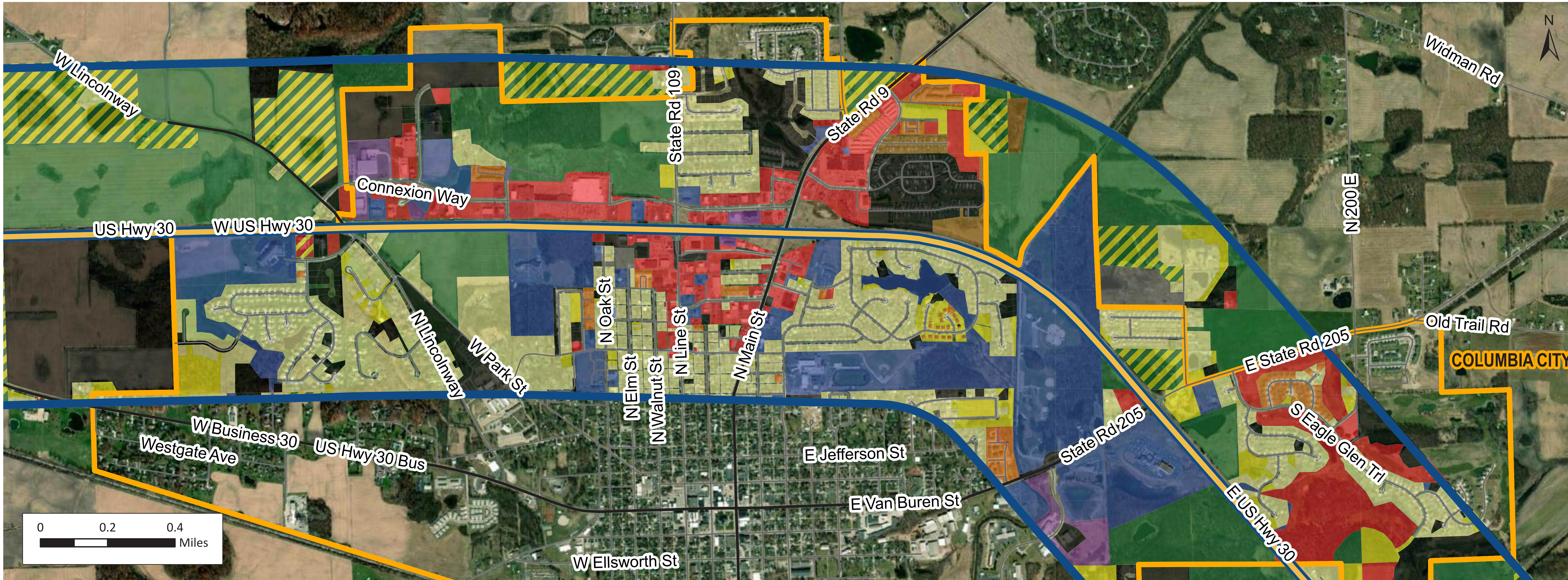
Existing Land Uses

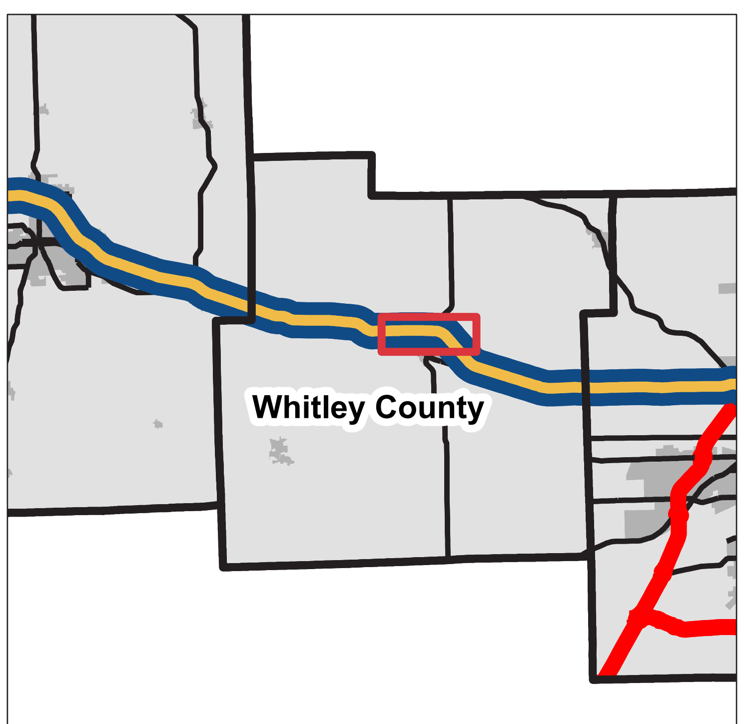
- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Commercial & Residential
- Institutional
- Industrial
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Homes
- Residential
- Single-Family Residential
- Utilities
- Exempt
- Uncategorized
- Incorporated Areas

PROPEL
Smarter Transportation. Stronger Communities.
US 30

US 30 East/Existing Land Use/ Whitley County-West

Earthstar Geographics, Maxar





Existing Land Uses

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- County Boundaries
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- Commercial
- Commercial & Residential
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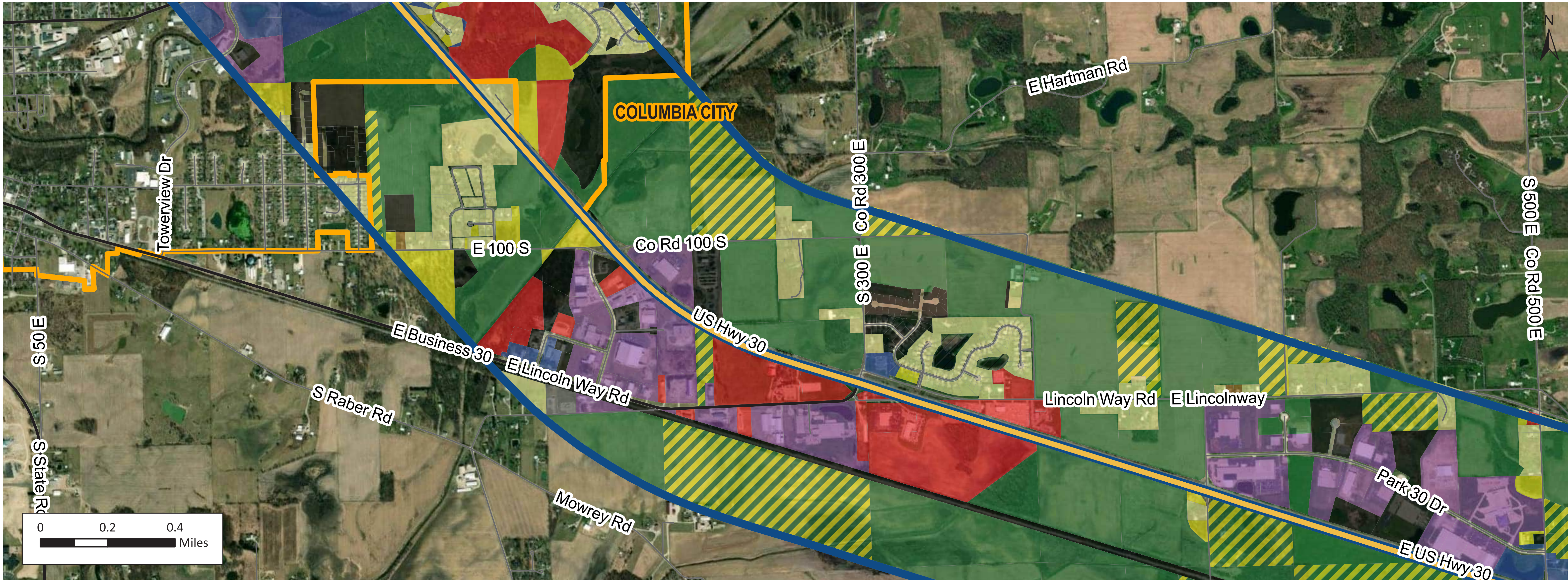
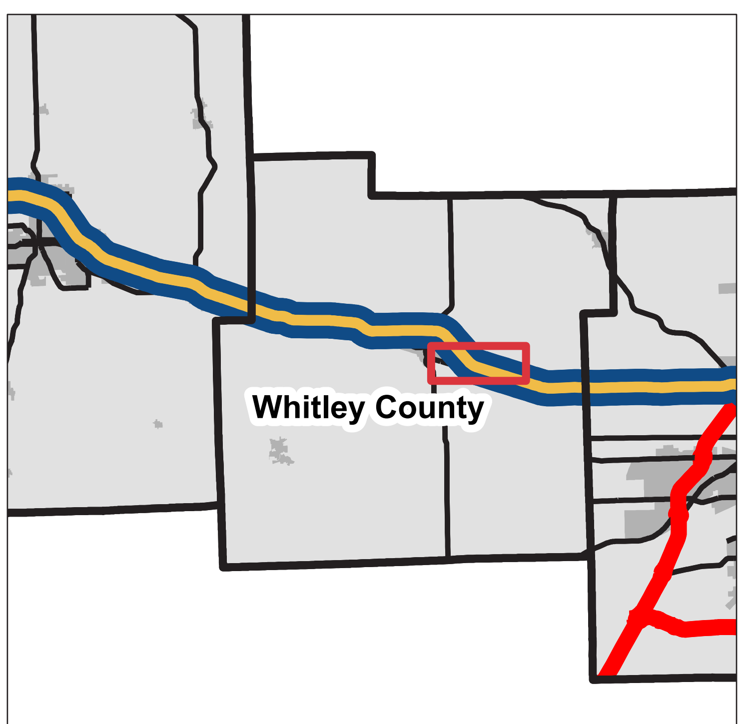
- Manufactured & Mobile Homes
- Residential
- Single-Family Residential
- Utilities
- Exempt
- Uncategorized
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Whitley County-Columbia City

Earthstar Geographics, Maxar





Existing Land Uses

- U.S. 30
- Interstate
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- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Commercial & Residential
- Institutional
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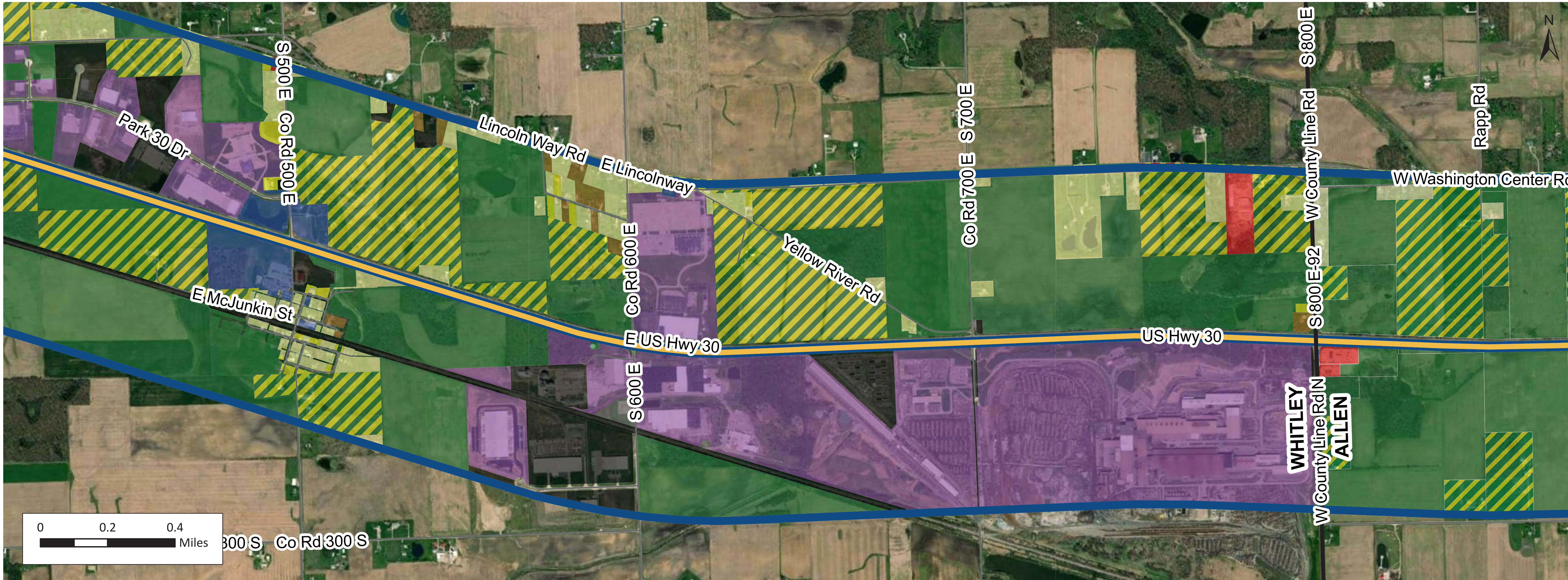
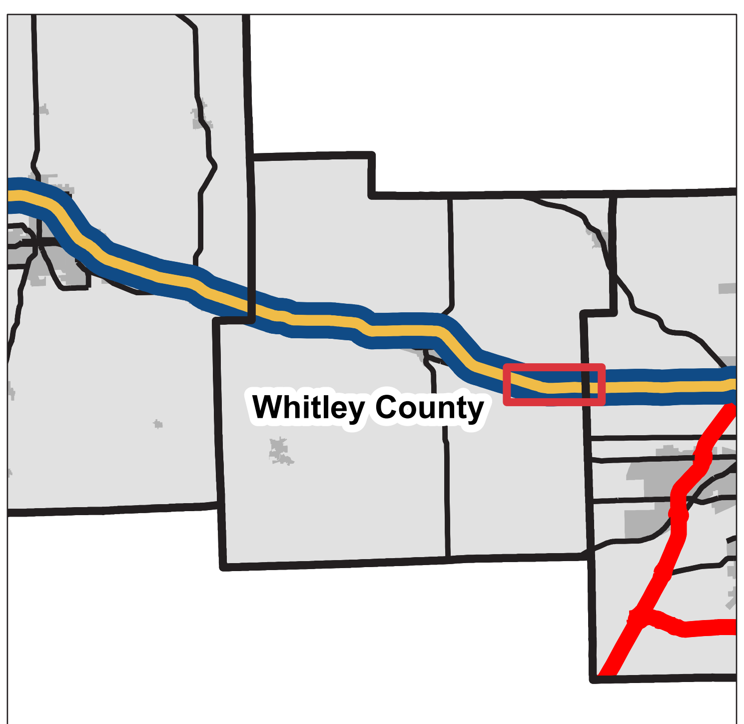
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Homes
- Residential
- Single-Family Residential
- Utilities
- Exempt
- Uncategorized
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Whitley County-East Central

Earthstar Geographics, Maxar





Existing Land Uses

- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Commercial & Residential
- Institutional
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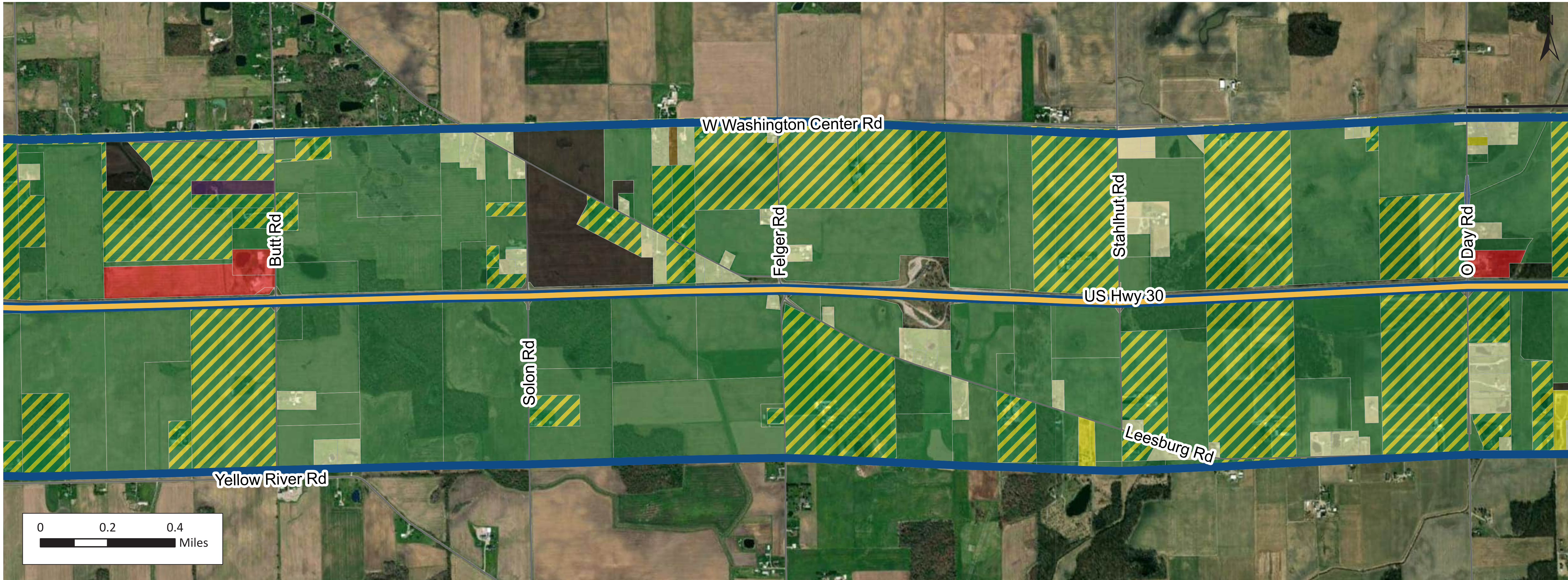
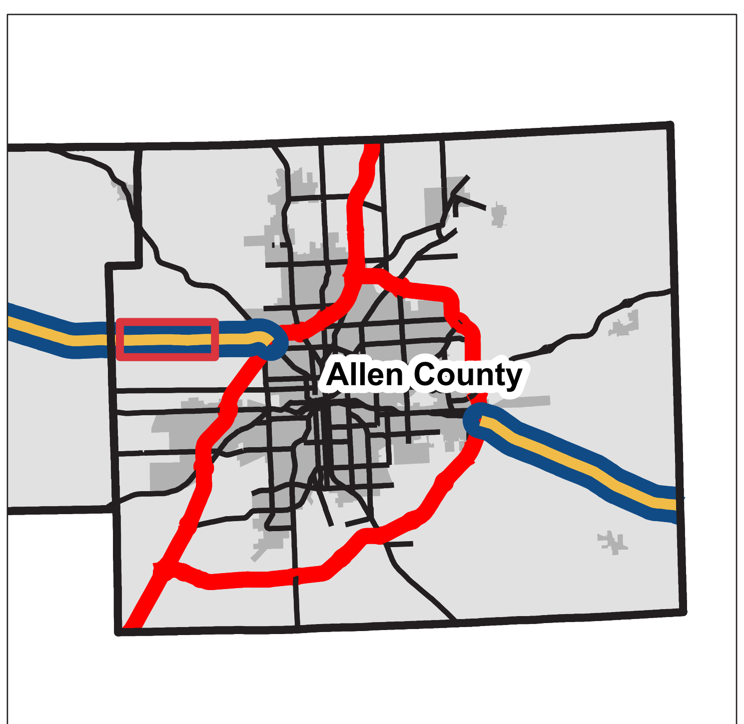
- Manufactured & Mobile Homes
- Residential
- Single-Family Residential
- Utilities
- Exempt
- Uncategorized
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Whitley-Allen County Border

Earthstar Geographics, Maxar





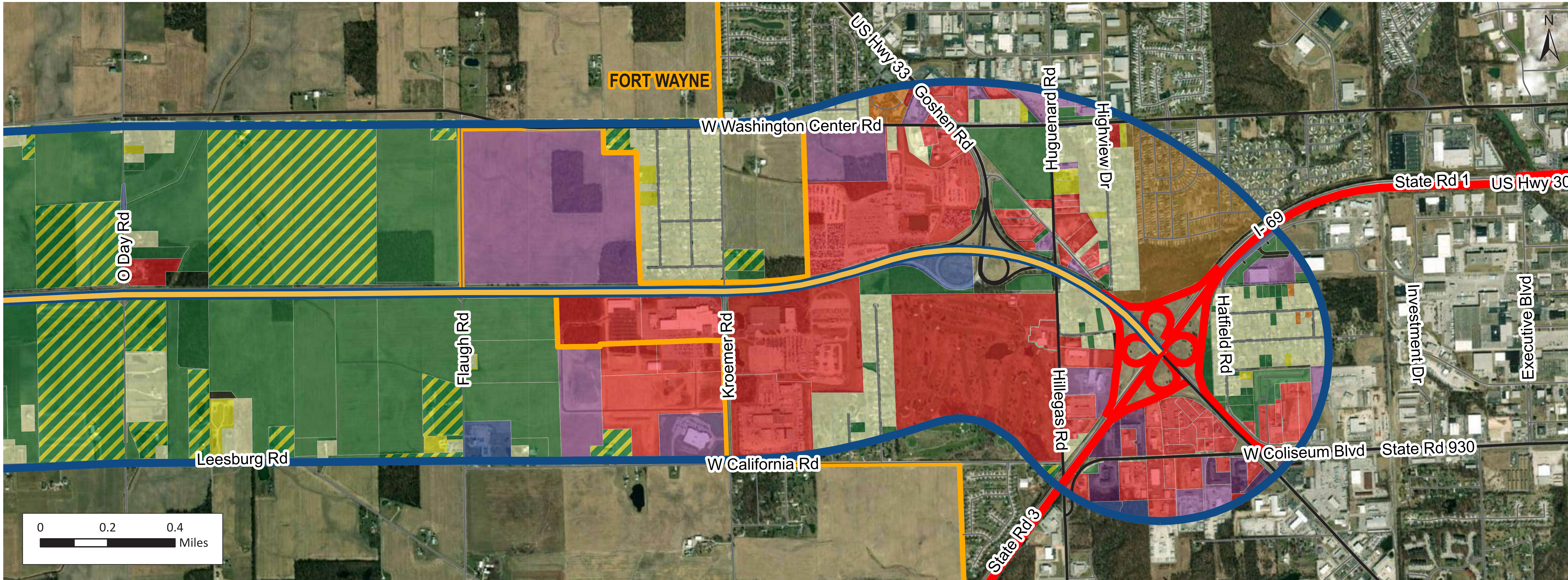
Existing Land Uses

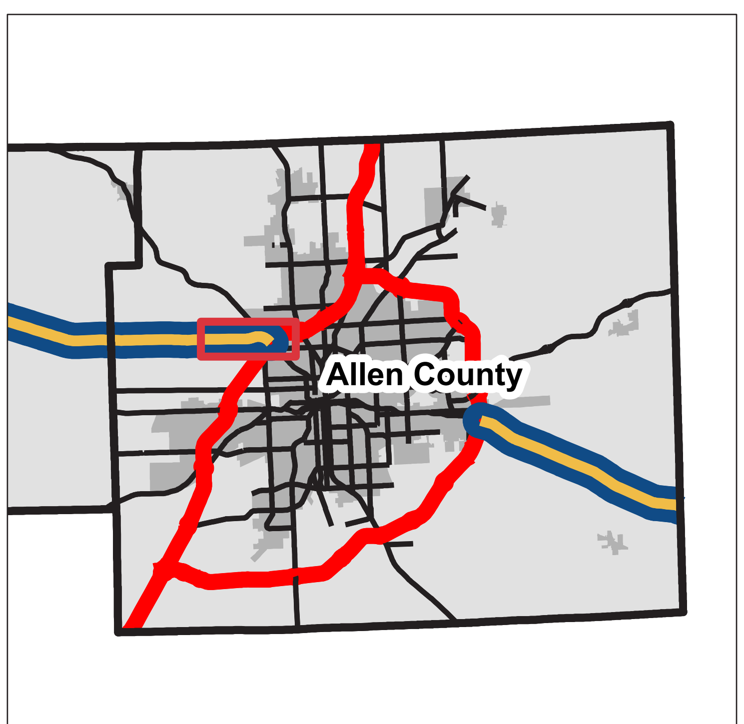
- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Institutional
- Industrial
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Home
- Residential
- Single-Family Residential
- Utilities
- Uncategorized
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Allen County-West

Earthstar Geographics, Maxar





Existing Land Uses

- U.S. 30
- Interstate
- Major Roads
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- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Institutional
- Industrial
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- Multi-Family Residential
- Manufactured & Mobile Home
- Residential
- Single-Family Residential
- Utilities
- Uncategorized
- Incorporated Areas

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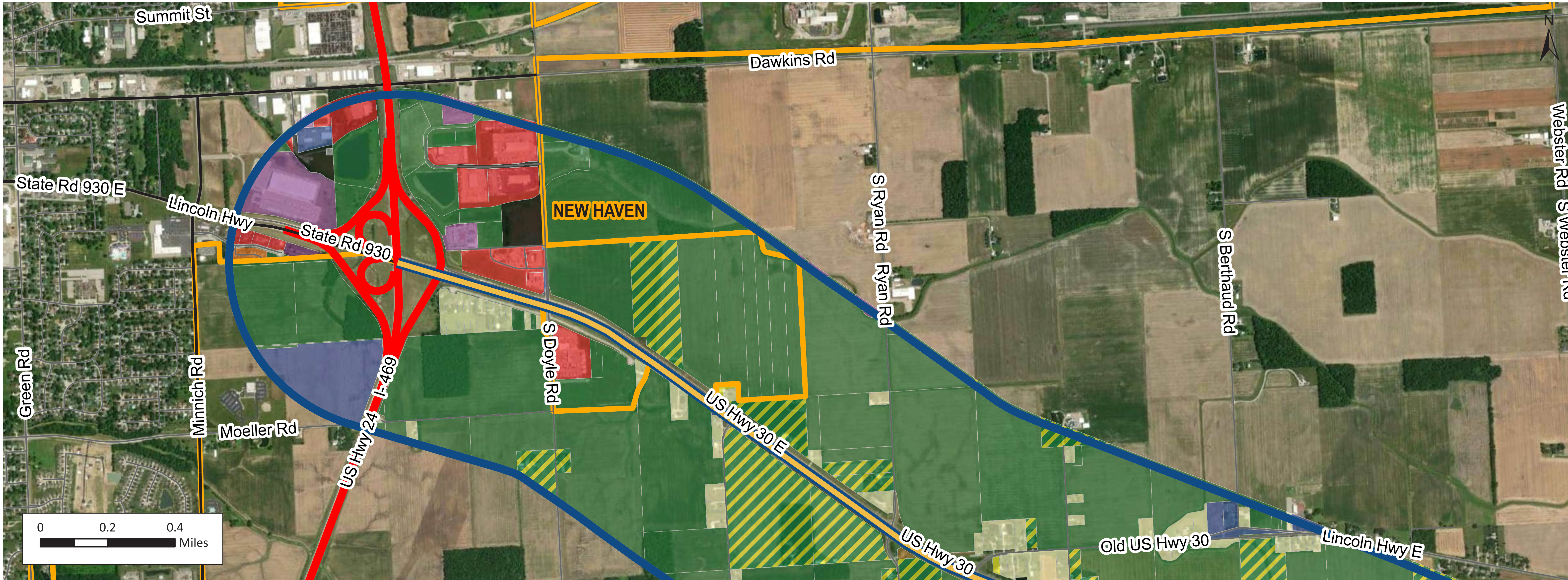
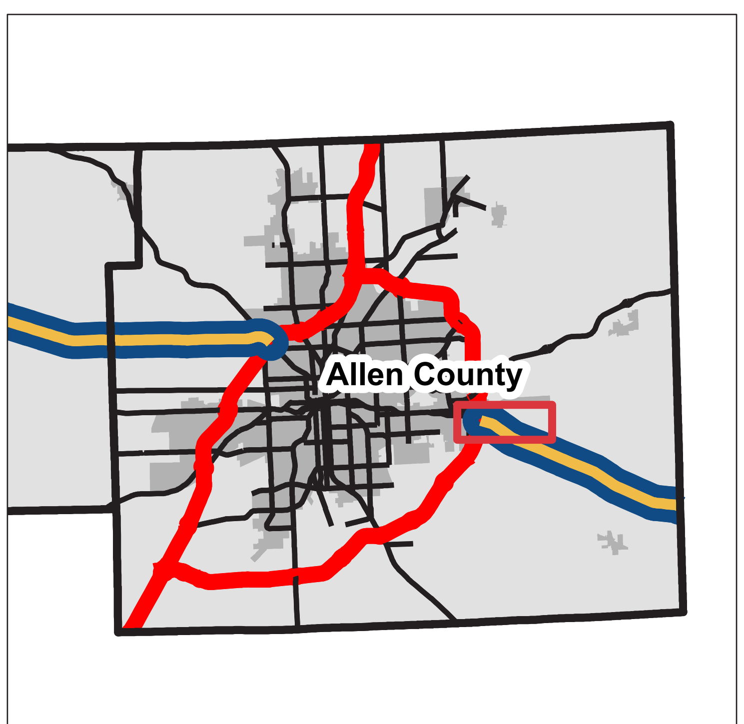
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Allen County-West

Earthstar Geographics, Maxar





Existing Land Uses

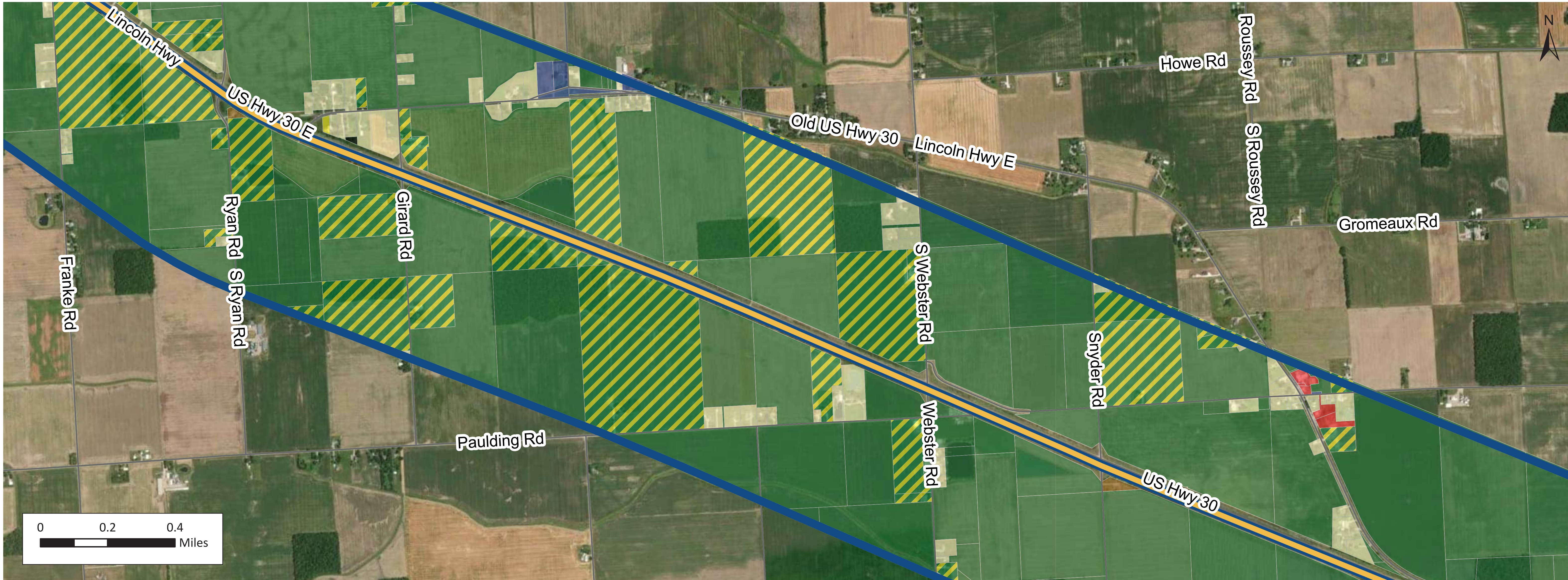
- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Institutional
- Industrial
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Home
- Residential
- Single-Family Residential
- Utilities
- Uncategorized
- Incorporated Areas

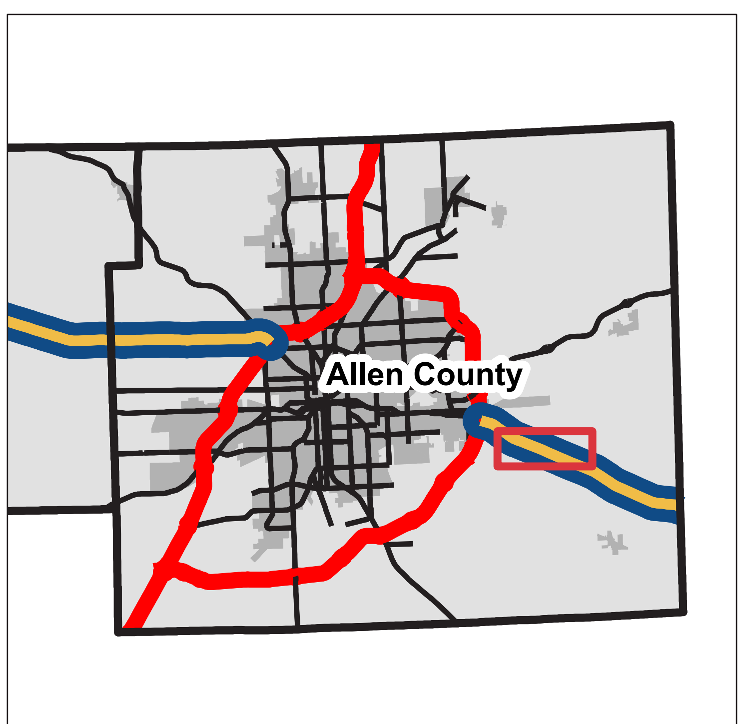
PROPEL US 30

Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Allen County-East

Earthstar Geographics, Maxar





Existing Land Uses

- U.S. 30
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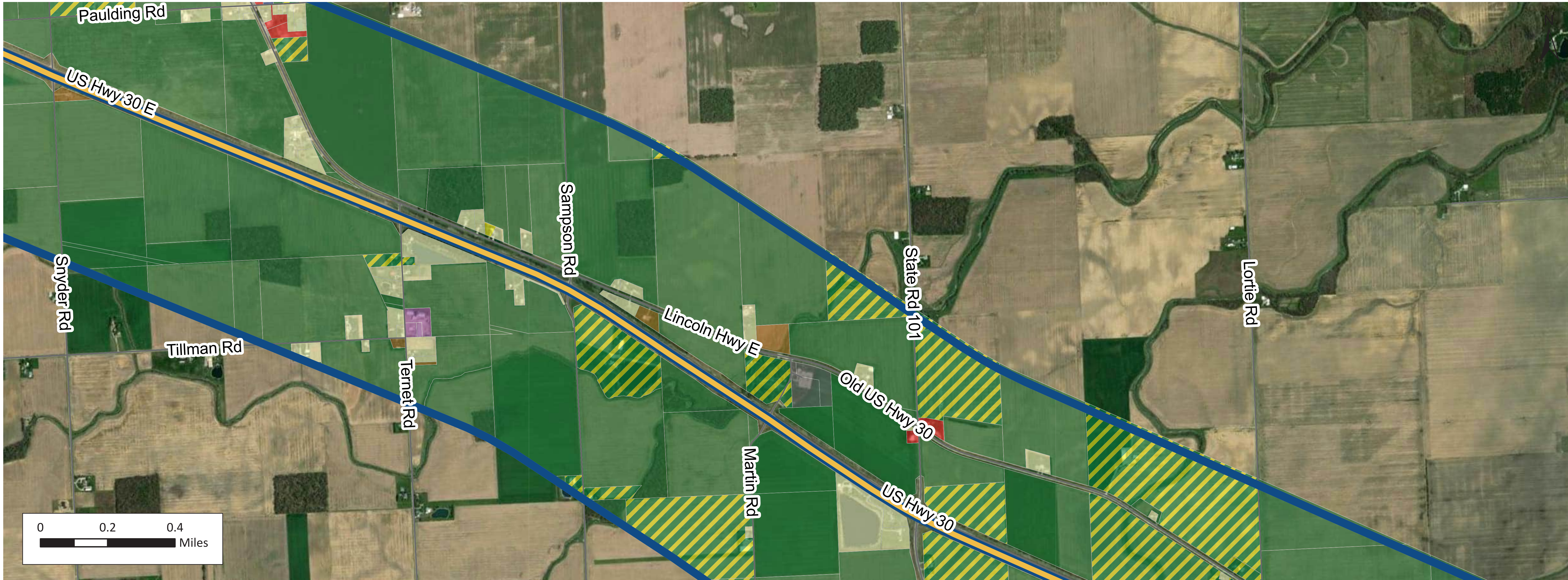
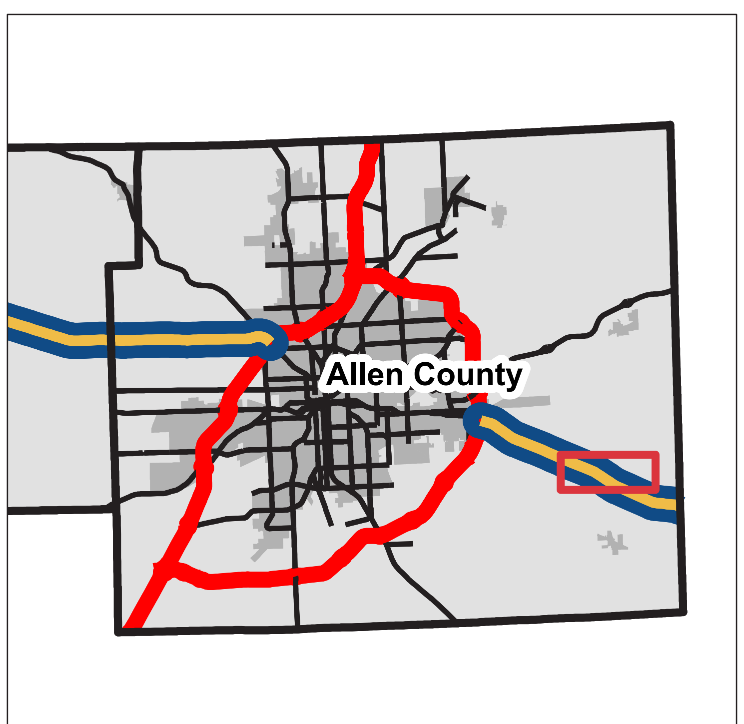
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Institutional
- Industrial
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Home
- Residential
- Single-Family Residential
- Utilities
- Uncategorized
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Allen County-East

Earthstar Geographics, Maxar





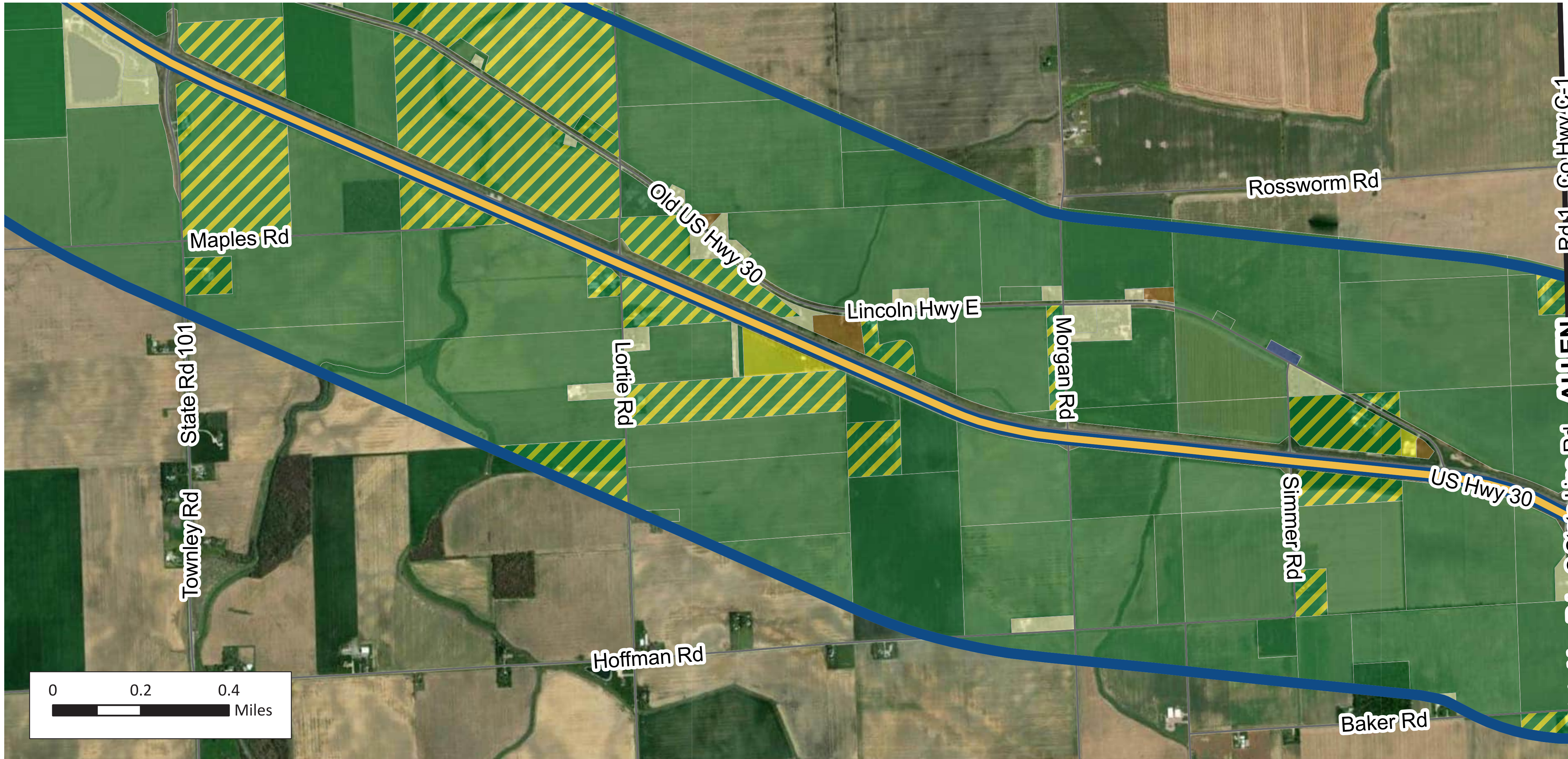
Existing Land Uses

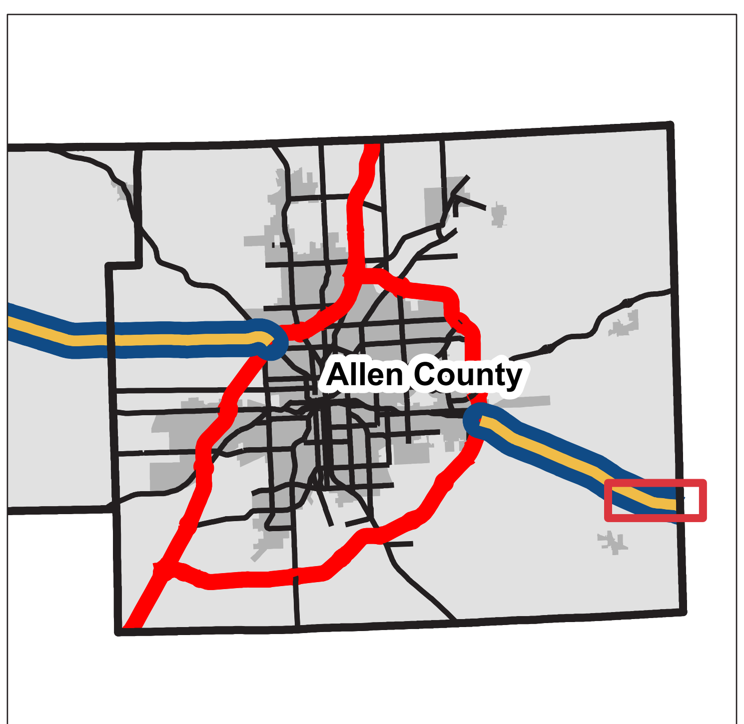
- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Institutional
- Industrial
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Home
- Residential
- Single-Family Residential
- Utilities
- Uncategorized
- Incorporated Areas

PROPEL
Smarter Transportation. Stronger Communities.
US 30

US 30 East/Existing Land Use/ Allen County-East

Earthstar Geographics, Maxar





Existing Land Uses

- U.S. 30
- Interstate
- Major Roads
- Study Area
- County Boundaries
- Agricultural
- Agricultural & Residential
- Commercial
- Institutional
- Industrial
- Lodging
- Multi-Family Residential
- Manufactured & Mobile Home
- Residential
- Single-Family Residential
- Utilities
- Uncategorized
- Incorporated Areas

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Existing Land Use/ Allen County-State of Ohio Border

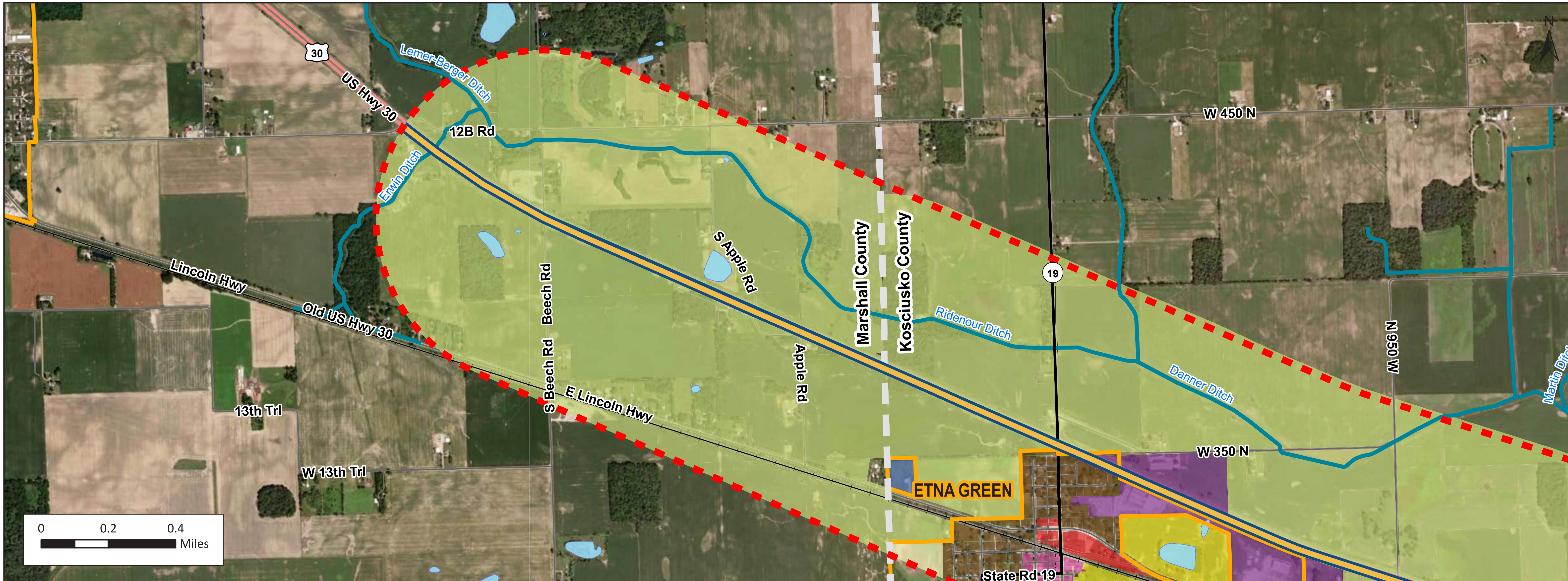
Earthstar Geographics, Maxar

Environmental Constraints Maps
Future Land Use Series

PROPEL

Smarter Transportation.
Stronger Communities.

US 30



Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

- Agricultural
- Large Lot Subdivision
- Residential Subdivision
- Urban Neighborhood/ Residential
- Commercial
- Mixed Use Center
- Industrial
- Public/Institutional

Marshall County FLUM

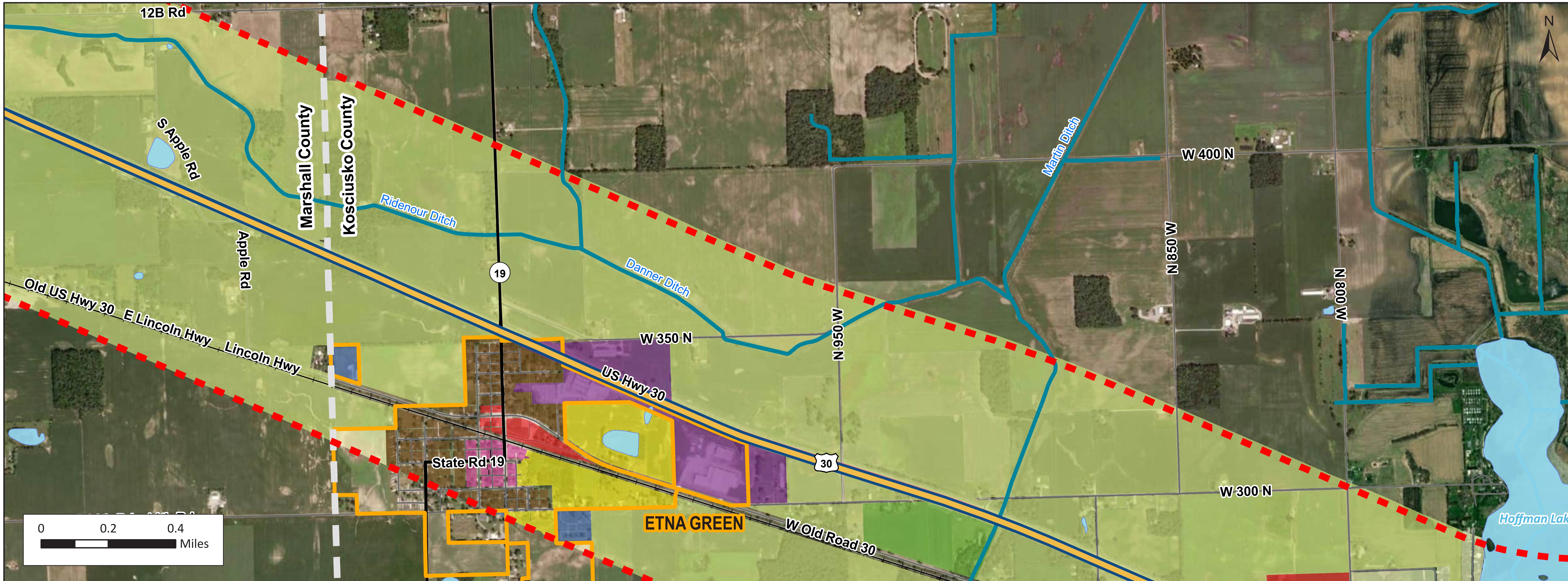
- Agricultural

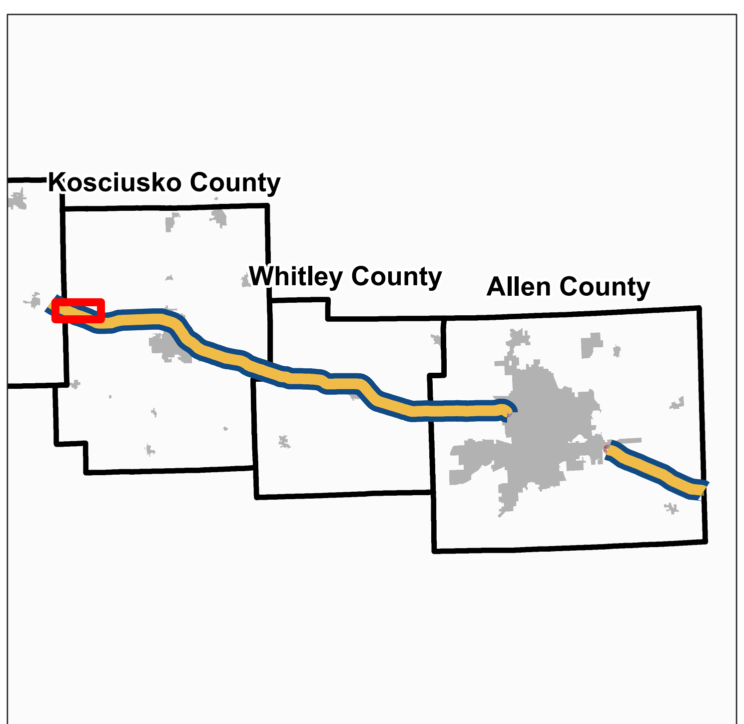
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Marshall County

Sources: 2030 Bourbon Comprehensive Plan (adopted 2017); Marshall County Comprehensive Plan (adopted 2013); Forward Kosciusko County Comprehensive Plan (adopted 2022)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

- Agricultural
- Rural Housing
- Large Lot Subdivision
- Residential Subdivision
- Urban Neighborhood/ Residential
- Commercial
- Mixed Use Center
- Industrial
- Public/Institutional

Marshall County FLUM

- Agricultural

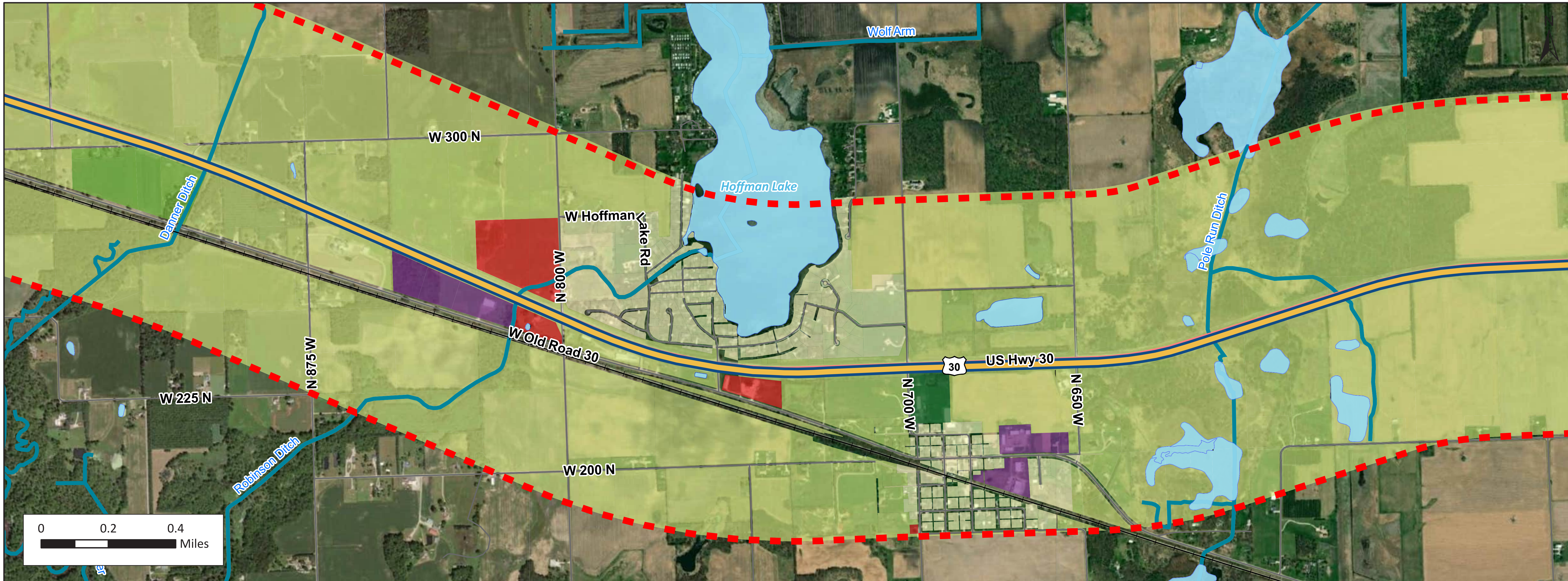
PROPEL US 30

Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Kosciusko County-Etna Green

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar



Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- Active Railroad
- River/Stream
- Lake

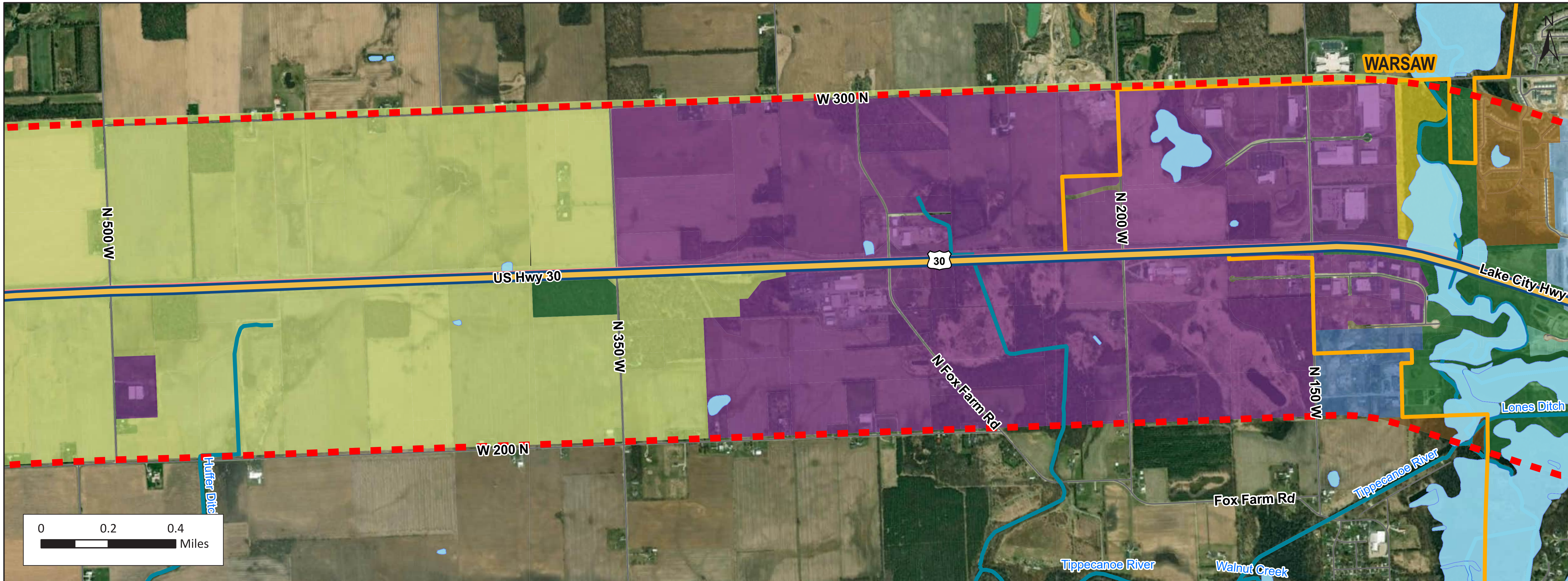
Kosciusko County FLU

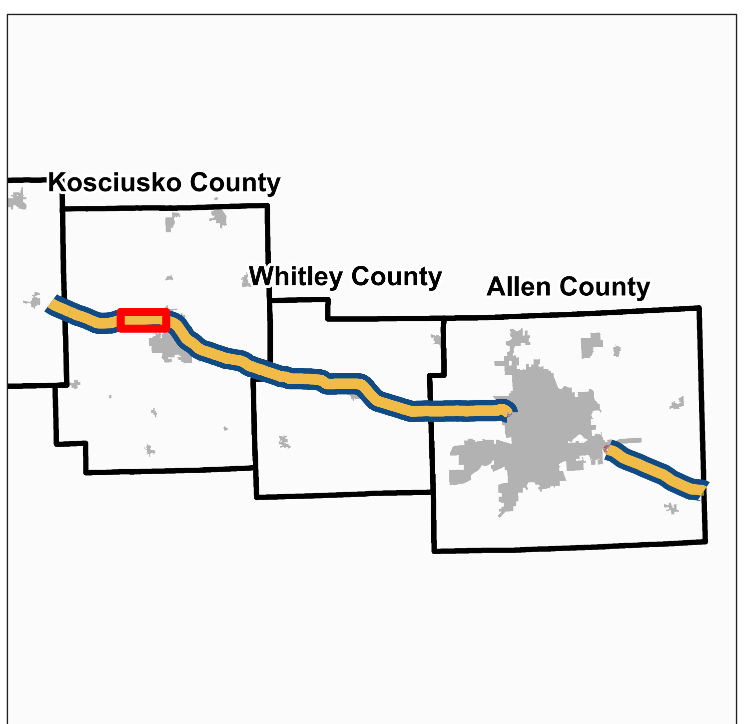
- Agricultural
- Open Space/Park/ Conservation
- Rural Housing
- Large Lot Subdivision
- Commercial
- Industrial

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Kosciusko County-West

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

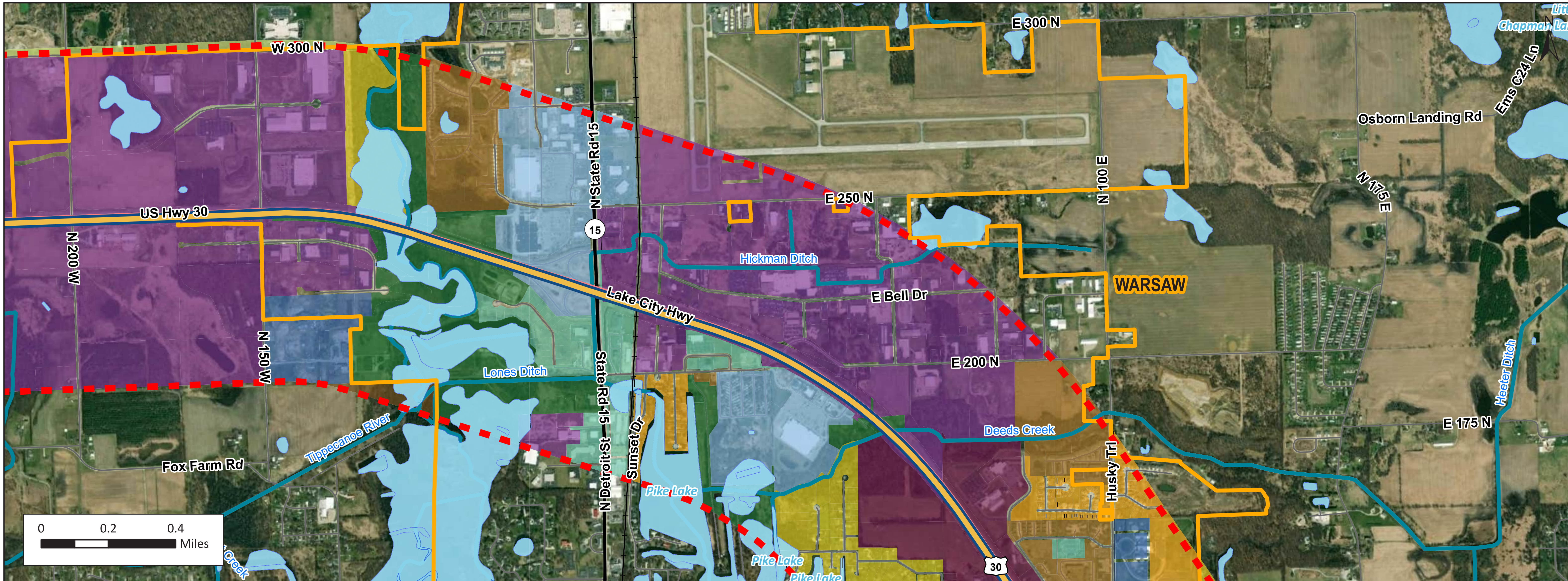
- Agricultural
- Open Space/Park/ Conservation
- Residential Subdivision
- Low Density Residential
- High Density Residential
- Urban Neighborhood/ Residential
- Industrial
- Public/Institutional
- Regional Vitality
- Community Vitality

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Kosciusko County-West Warsaw

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar



Planned Future Land Uses (FLU)

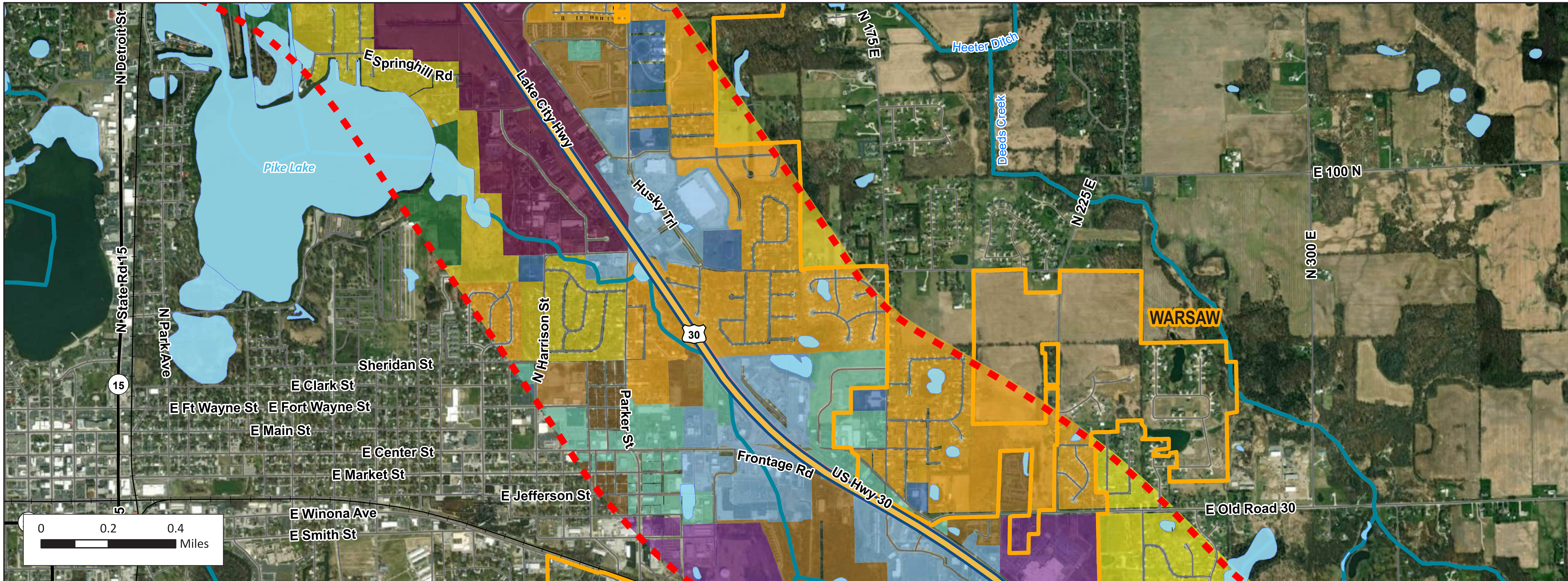
- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas
- Kosciusko County FLU
- Agricultural
- Open Space/Park/ Conservation
- Residential Subdivision
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Urban Neighborhood/ Residential
- Medical
- Industrial
- Public/Institutional
- Regional Vitality
- Community Vitality

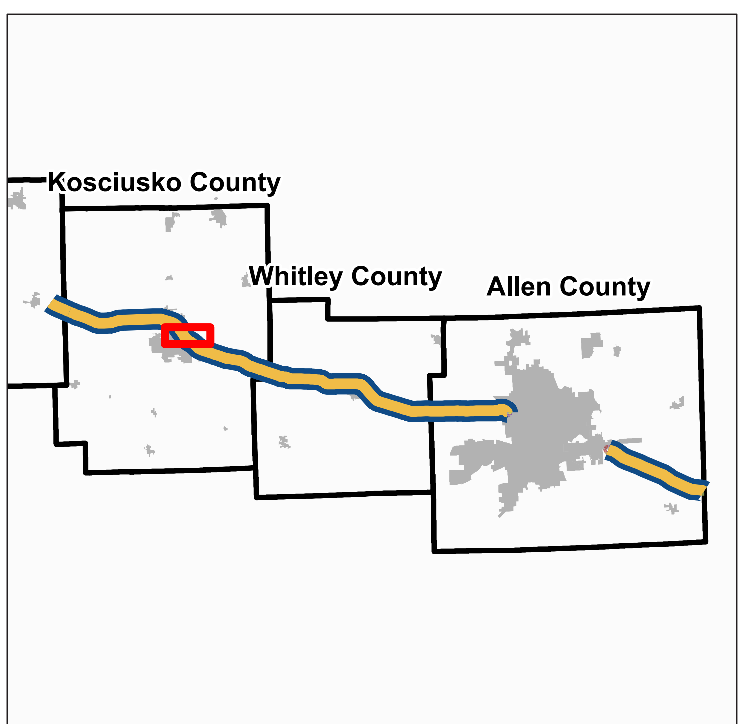
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Kosciusko County-North Warsaw

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

- Open Space/Park/ Conservation
- Residential Subdivision
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Urban Neighborhood/ Residential
- Medical
- Industrial
- Public/Institutional
- Regional Vitality
- Community Vitality

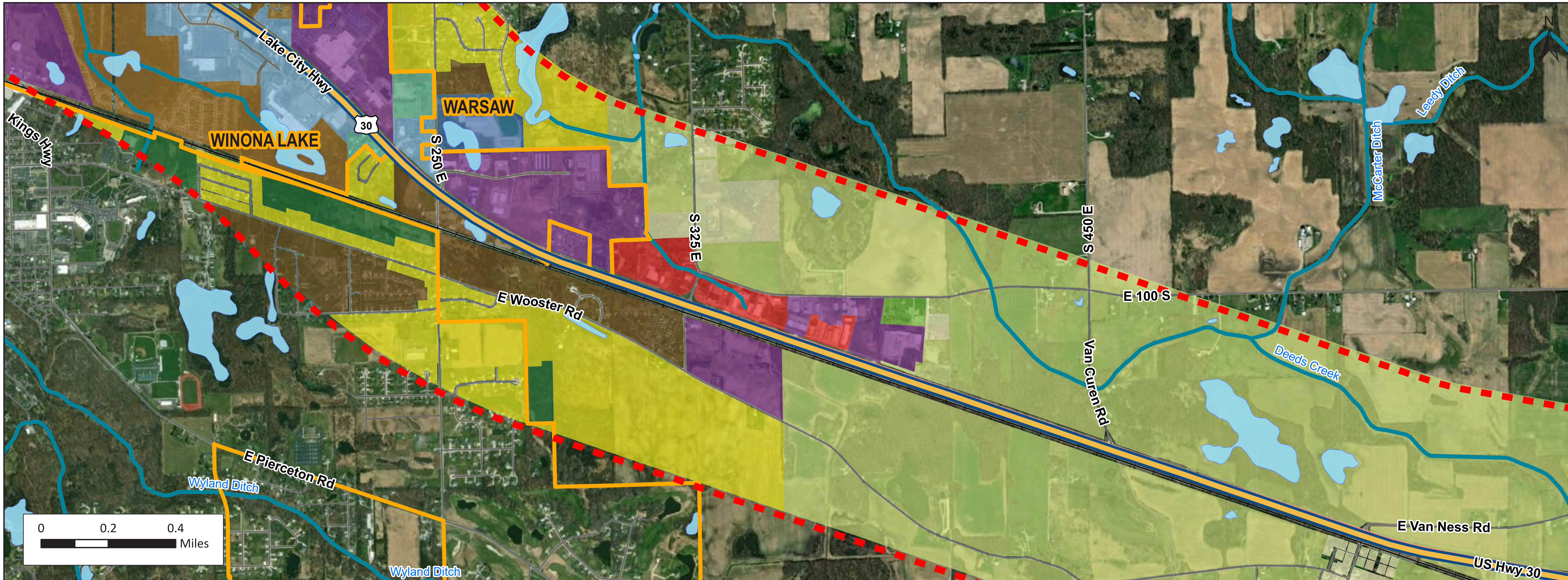
PROPEL US 30

Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Kosciusko County-Central Warsaw

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar



Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

- Agricultural
- Open Space/Park/ Conservation
- Rural Housing
- Large Lot Subdivision
- Residential Subdivision
- High Density Residential
- Urban Neighborhood/ Residential
- Commercial
- Industrial
- Public/Institutional
- Regional Vitality
- Community Vitality

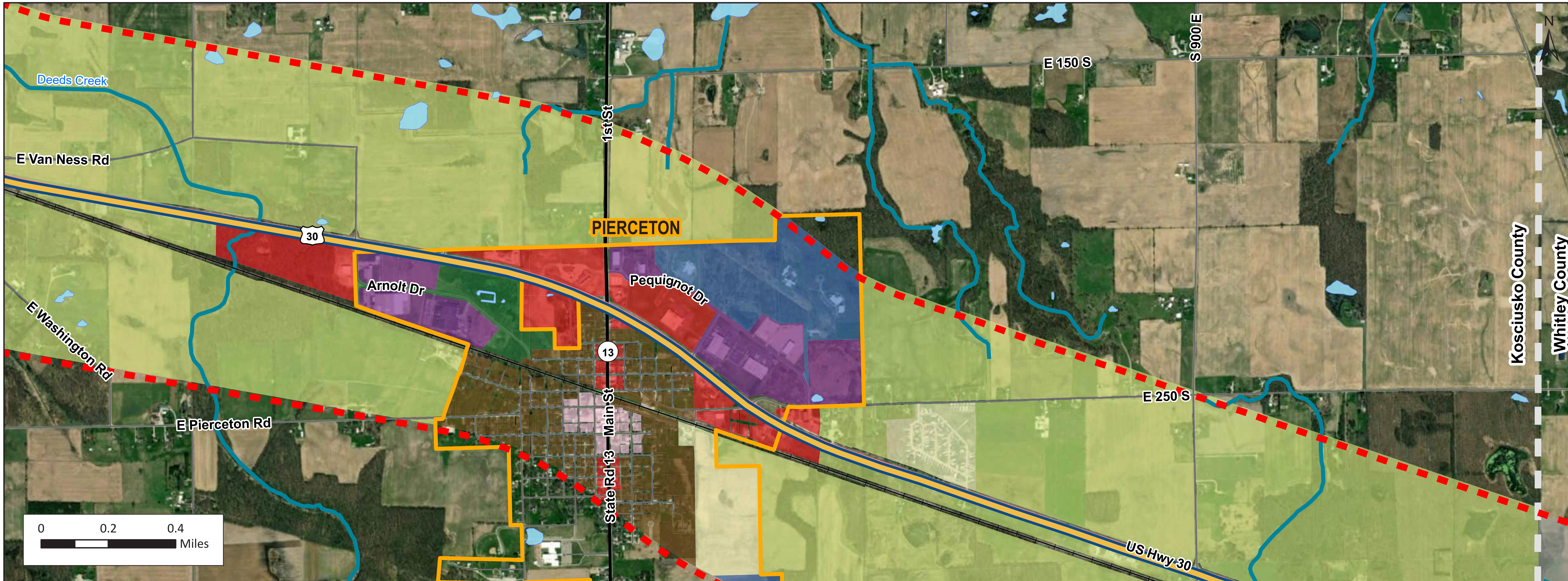
PROPEL US 30

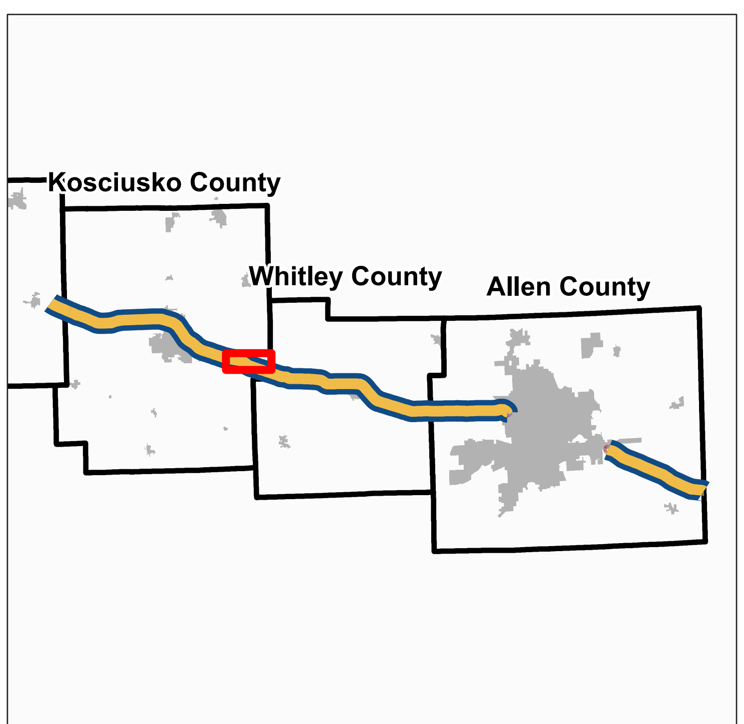
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Kosciusko County-East Warsaw

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

- Agricultural
- Open Space/Park/Conservation
- Large Lot Subdivision
- Urban Neighborhood/Residential
- Commercial
- Village Center
- Industrial
- Public/Institutional

Whitley County FLU

- Employment Center

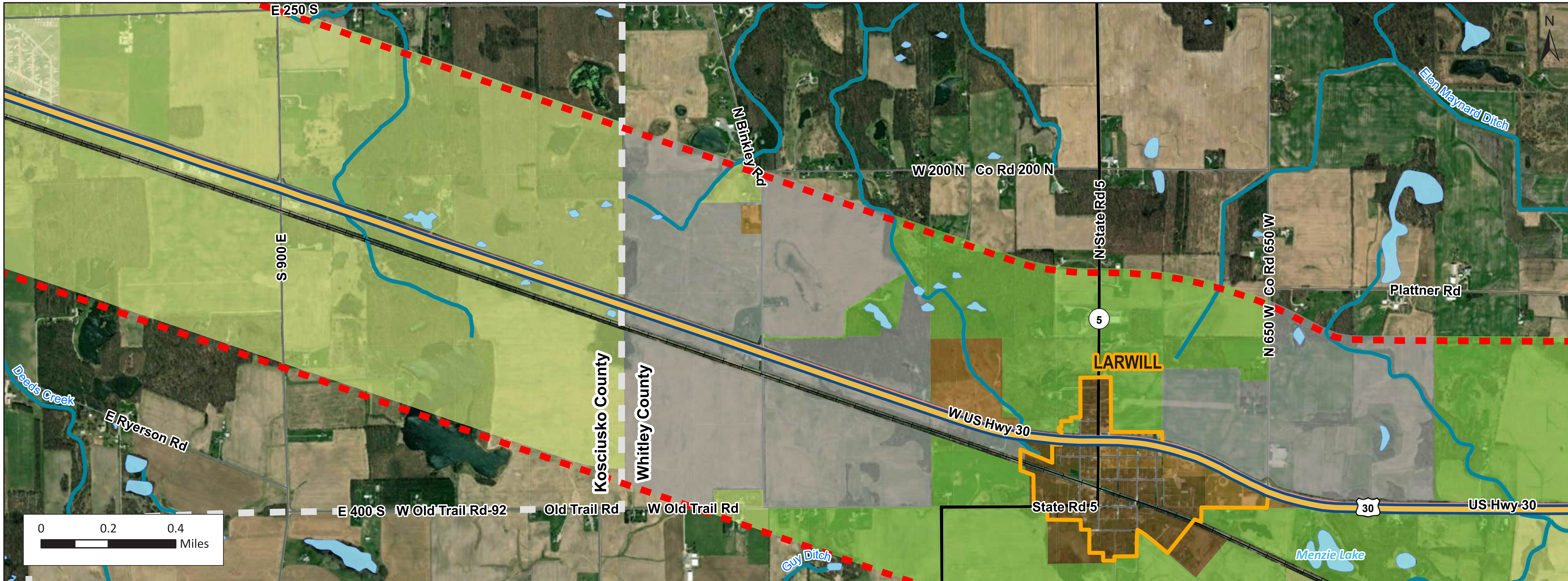
PROPEL US 30

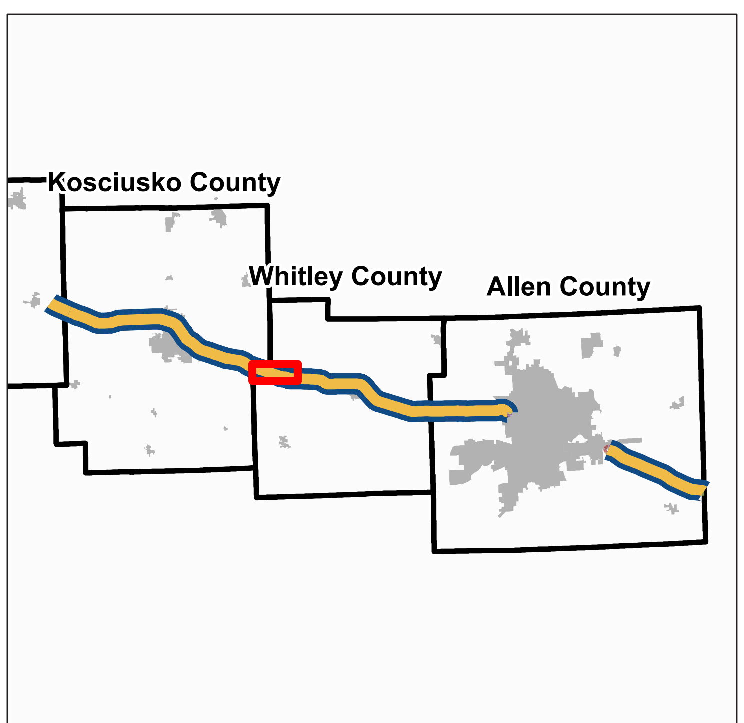
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Kosciusko County-Pierceton

Sources: Forward Kosciusko County Comprehensive Plan (adopted 2022); Warsaw Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Kosciusko County FLU

- Agricultural
- Large Lot Subdivision

Whitley County FLU

- Rural-Agricultural
- Mixed Rural
- Diversified Neighborhood
- Traditional Neighborhood
- Employment Center

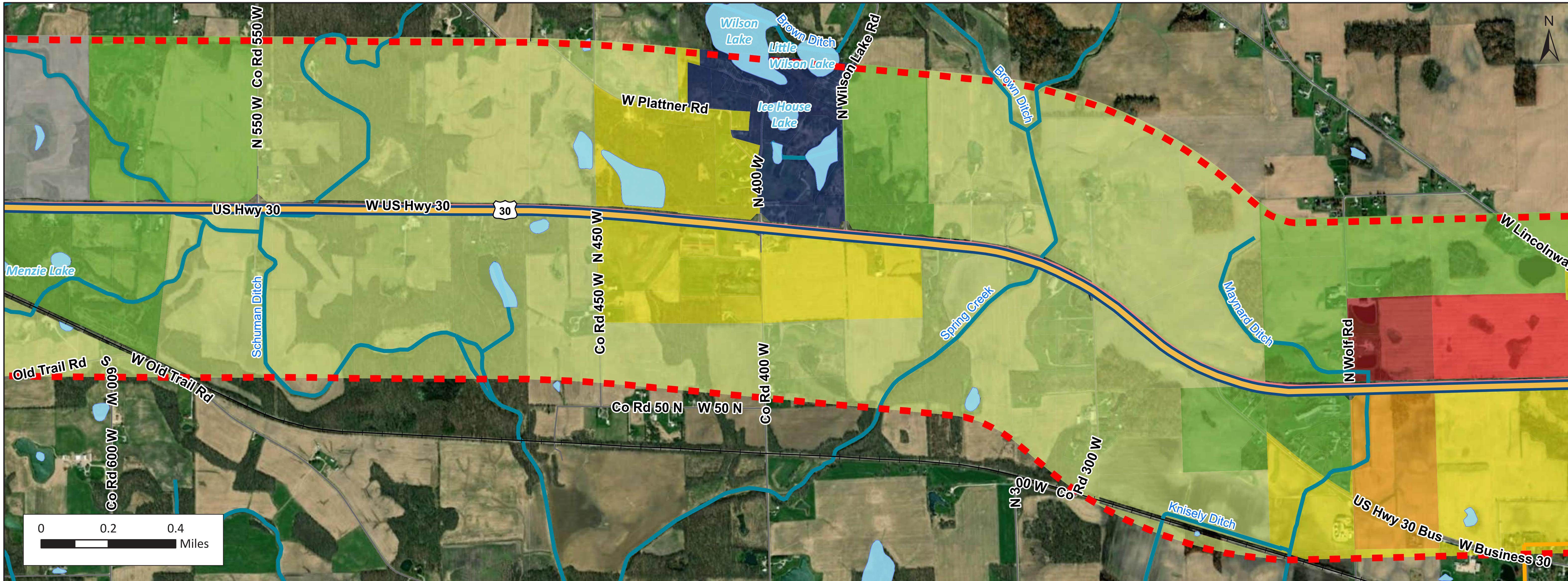
PROPEL US 30

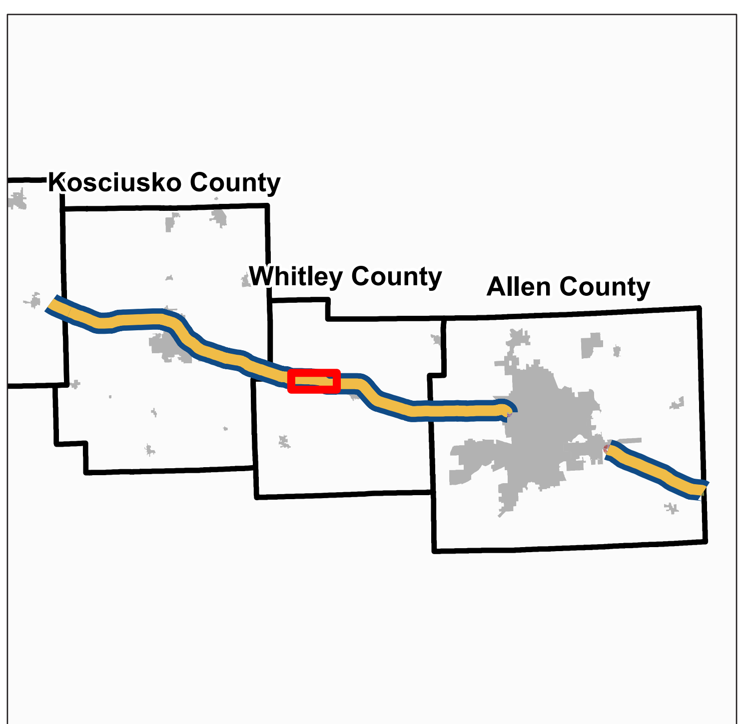
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Kosciusko-Whitley County Border

Sources: Form Whitley County Comprehensive Plan (adopted 2022); Columbia City Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas

Whitley County FLU

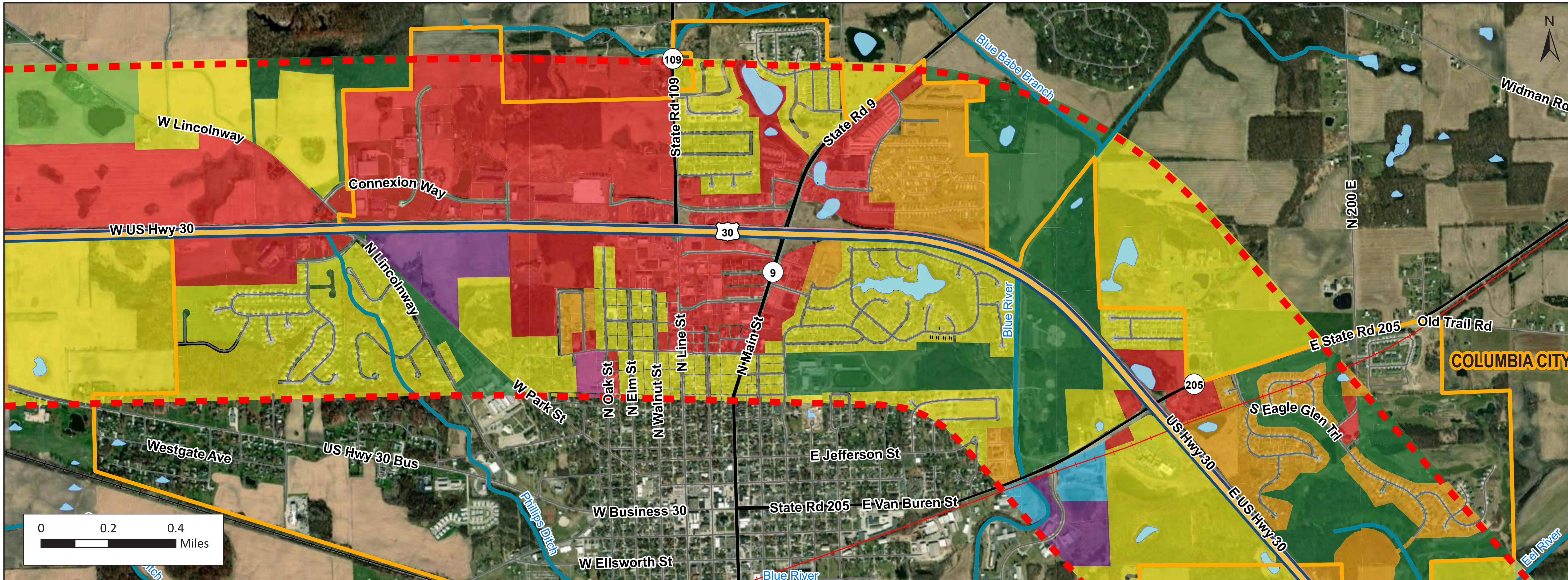
- Rural-Agricultural
- Mixed Rural
- Lake Village
- Suburban Living/Low Density Residential
- Medium Density Residential
- Commercial
- Commercial Center
- Employment Center

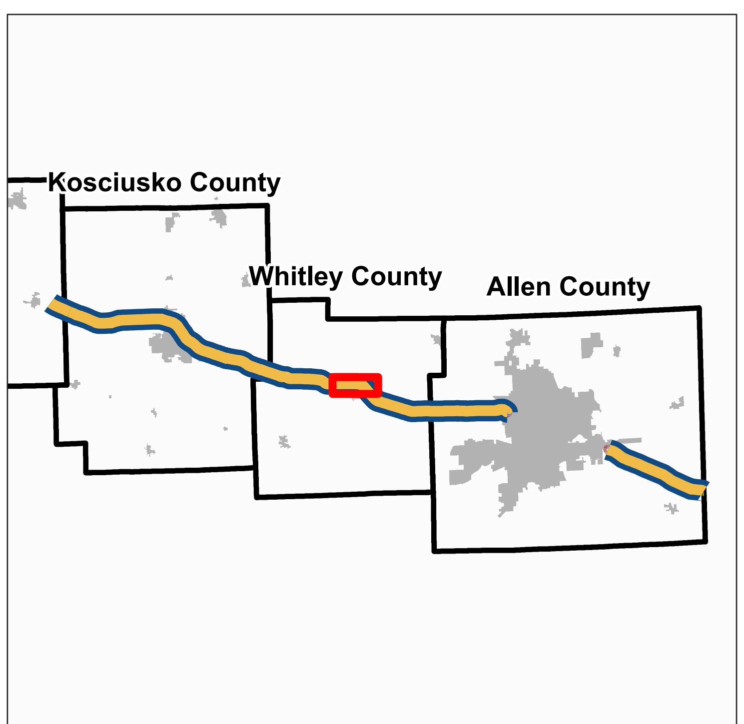
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Whitley County-West

Sources: Form Whitley County Comprehensive Plan (adopted 2022); Columbia City Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- Abandoned Railroad
- River/Stream
- Lake
- Incorporated Areas

Whitley County FLU

- Rural-Agricultural
- Mixed Rural
- Parks & Recreation
- Suburban Living/Low Density Residential
- Medium Density Residential
- Public/Semi Public
- Commercial
- Commercial Center
- Mixed Use
- Employment Center
- Industrial

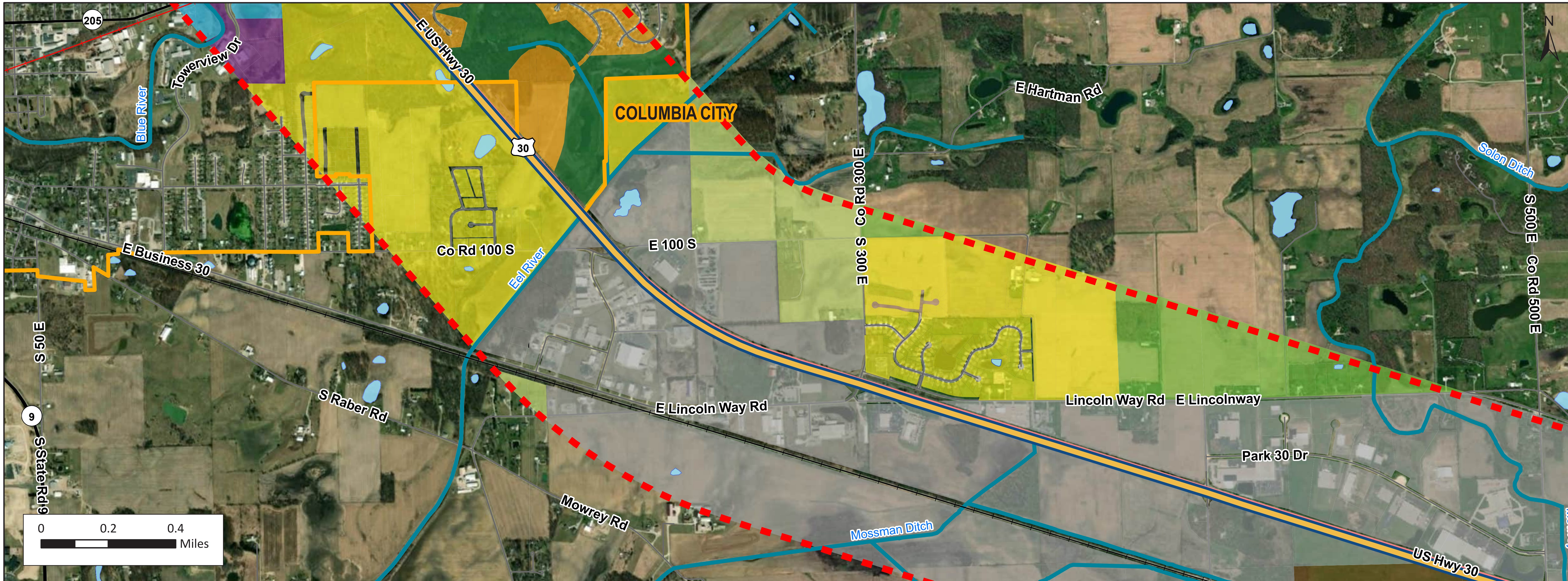
PROPEL US 30

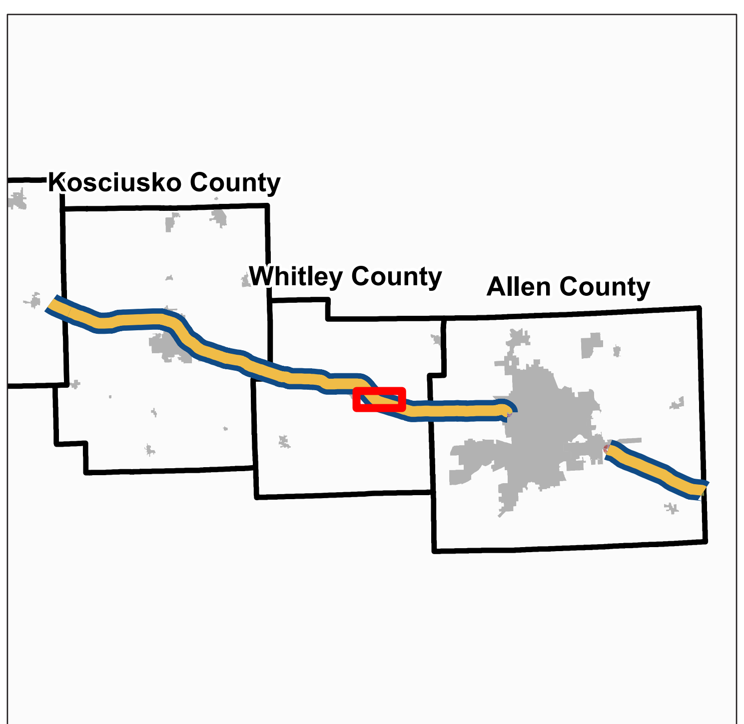
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Whitley County-Columbia City

Sources: Form Whitley County Comprehensive Plan (adopted 2022); Columbia City Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Active Railroad
- Abandoned Railroad
- River/Stream
- Lake
- Incorporated Areas

Whitley County FLU

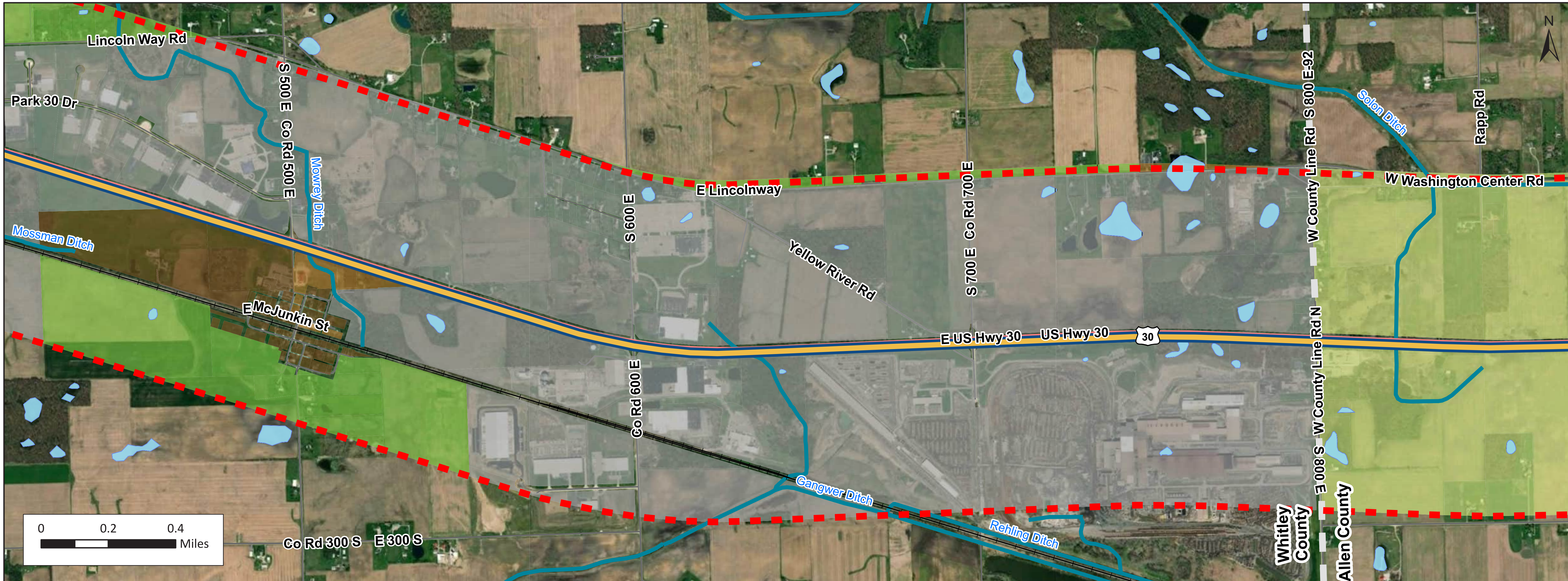
- Rural-Agricultural
- Mixed Rural
- Parks & Recreation
- Suburban Living/Low Density Residential
- Medium Density Residential
- Traditional Neighborhood
- Public/Semi Public
- Employment Center
- Industrial

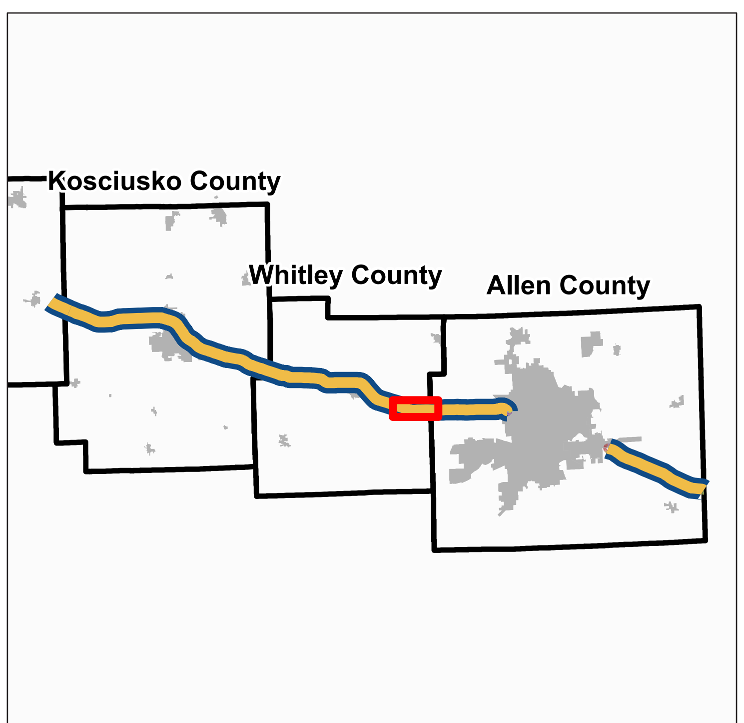
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Whitley County-East Central

Sources: Form Whitley County Comprehensive Plan (adopted 2022); Columbia City Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- Active Railroad
- River/Stream
- Lake

Allen County FLU

- Rural Agriculture

Whitley County FLU

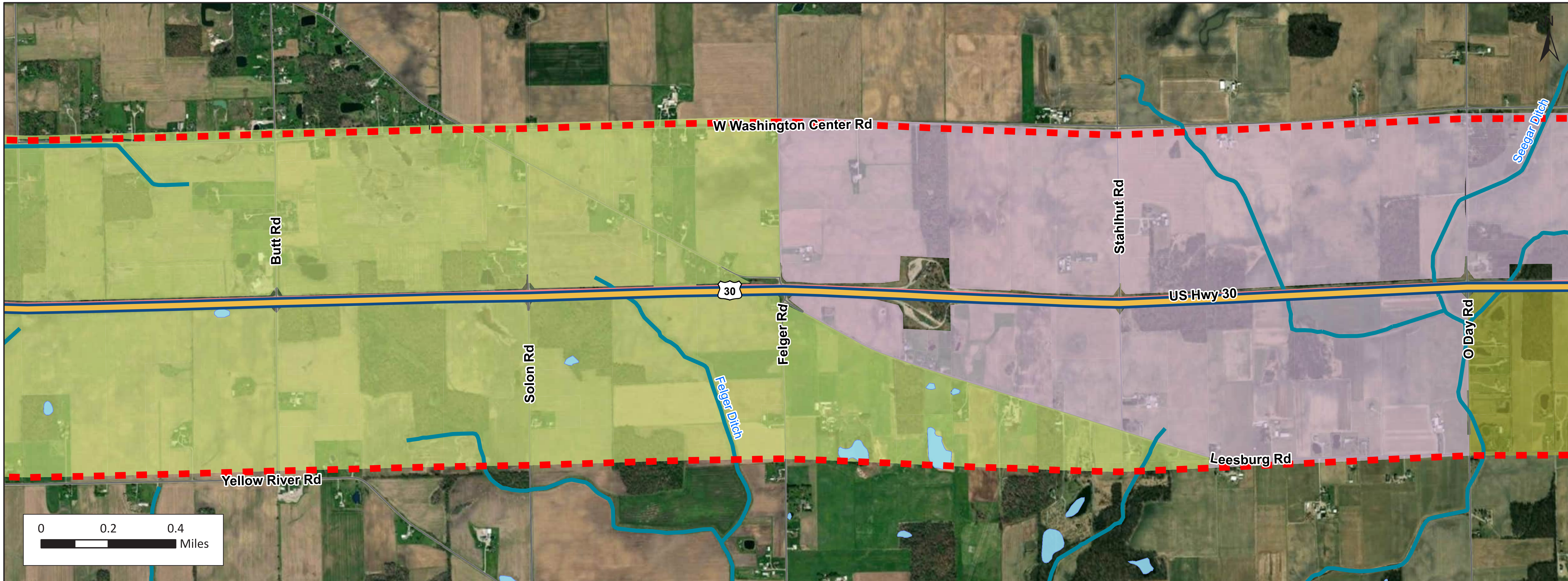
- Mixed Rural
- Diversified Neighborhood
- Traditional Neighborhood
- Employment Center

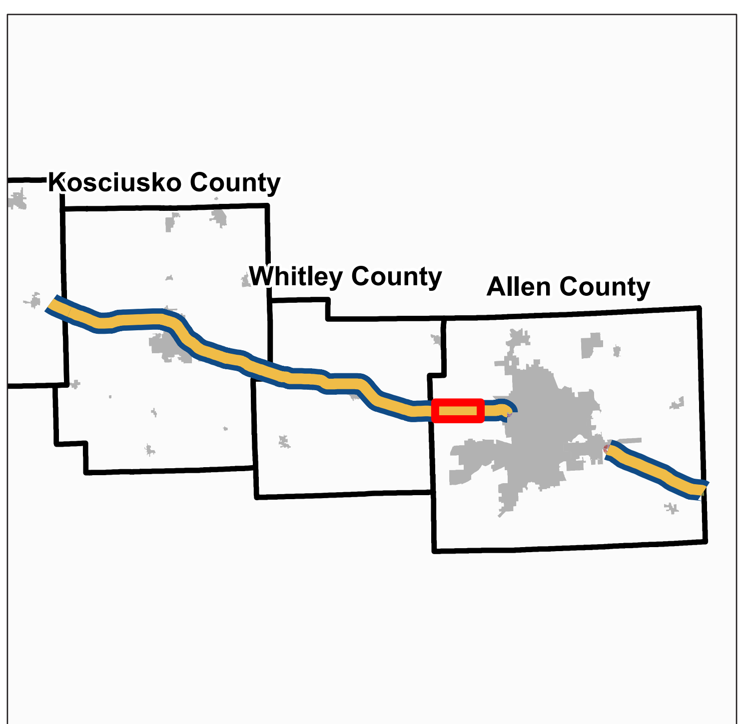
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Whitley-Allen County Border

Sources: Form Whitley County Comprehensive Plan (adopted 2022); Columbia City Comprehensive Plan (adopted 2015)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- River/Stream
- Lake

Allen County FLU

- Rural Agriculture
- Future Complete Neighborhood Area
- Economic Development Transitional Area

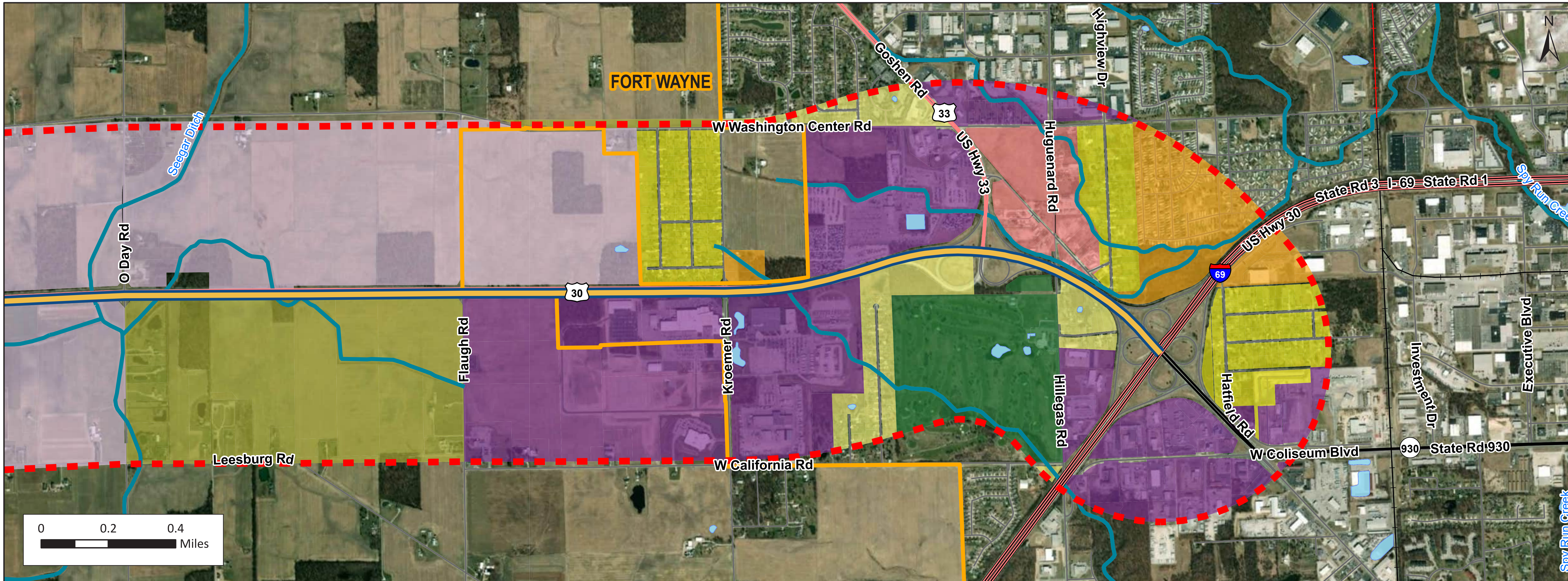
PROPEL US 30

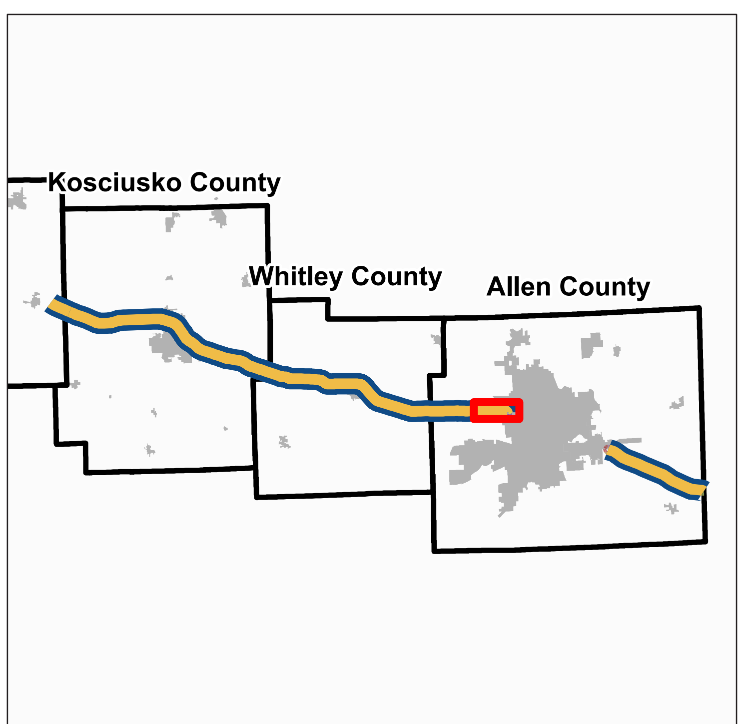
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use Allen County-West

Sources: All in Allen (County) Comprehensive Plan (June 2022, Public Draft); New Haven Comprehensive Land Use and Economic Strategic Plan (adopted 2002)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Interstate
- Active Railroad
- Abandoned Railroad
- River/Stream
- Lake
- Incorporated Areas

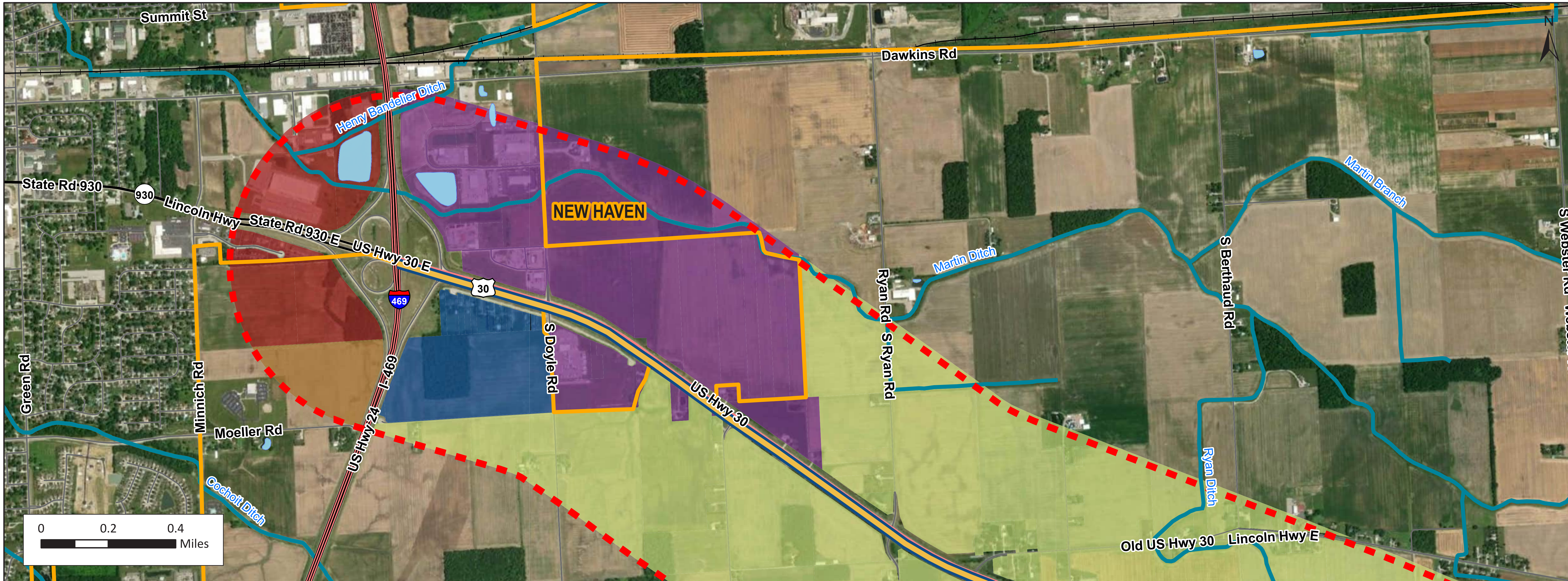
Allen County FLU

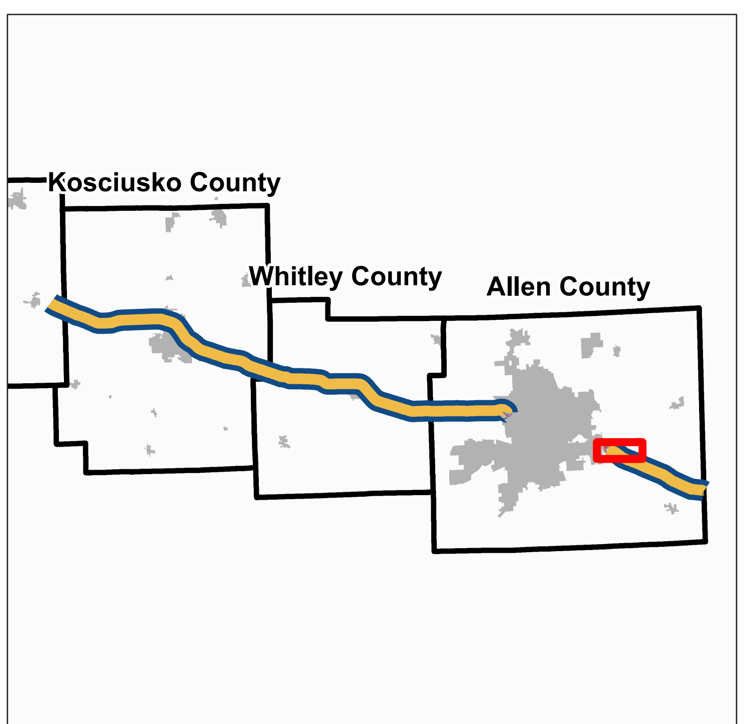
- Open Space
- Suburban Neighborhood
- Traditional Neighborhood
- Mixed Residential
- Future Complete Neighborhood Area
- Economic Development Transitional Area
- Production Center/ Industrial
- Community Commercial

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Allen County-West

Sources: All in Allen (County) Comprehensive Plan (June 2022, Public Draft); New Haven Comprehensive Land Use and Economic Strategic Plan (adopted 2002)





Planned Future Land Uses (FLU)

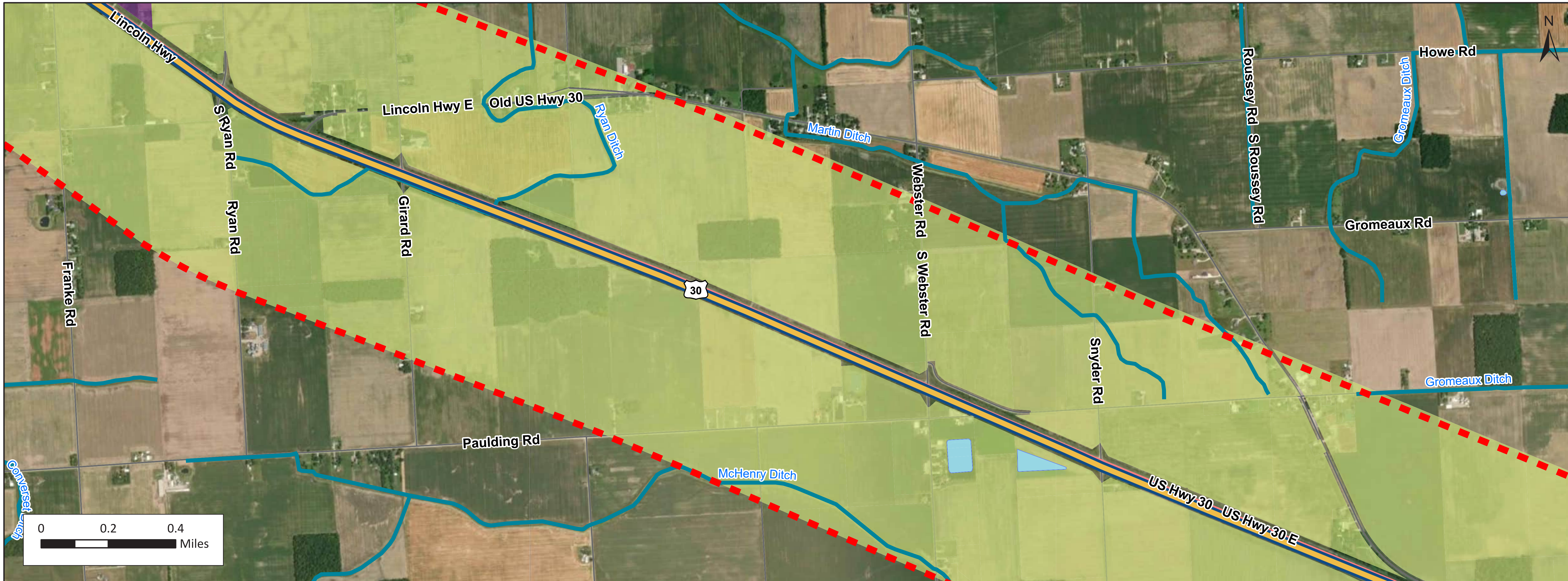
- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- Interstate
- Active Railroad
- River/Stream
- Lake
- Incorporated Areas
- Allen County FLU
- Rural Agriculture
- Multifamily Residential
- Production Center/ Industrial
- Regional Commercial
- Regional Commercial or Office

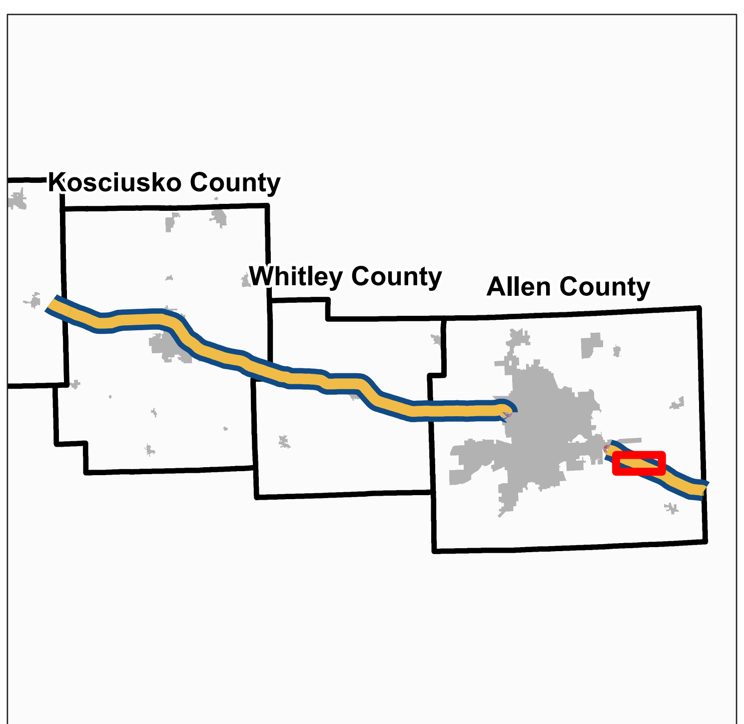
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Allen County-East

Sources: All in Allen (County) Comprehensive Plan (June 2022, Public Draft); New Haven Comprehensive Land Use and Economic Strategic Plan (adopted 2002)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- US Route
- River/Stream
- Lake

Allen County FLU

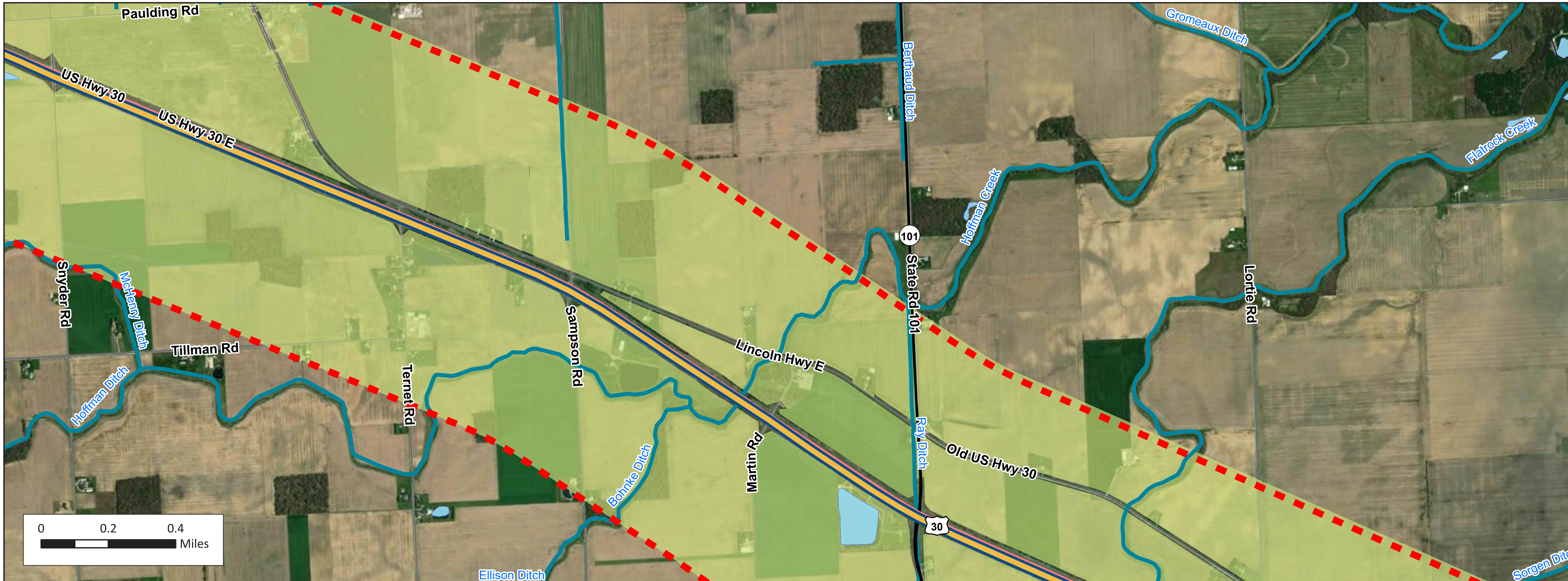
- Rural Agriculture
- Production Center/ Industrial

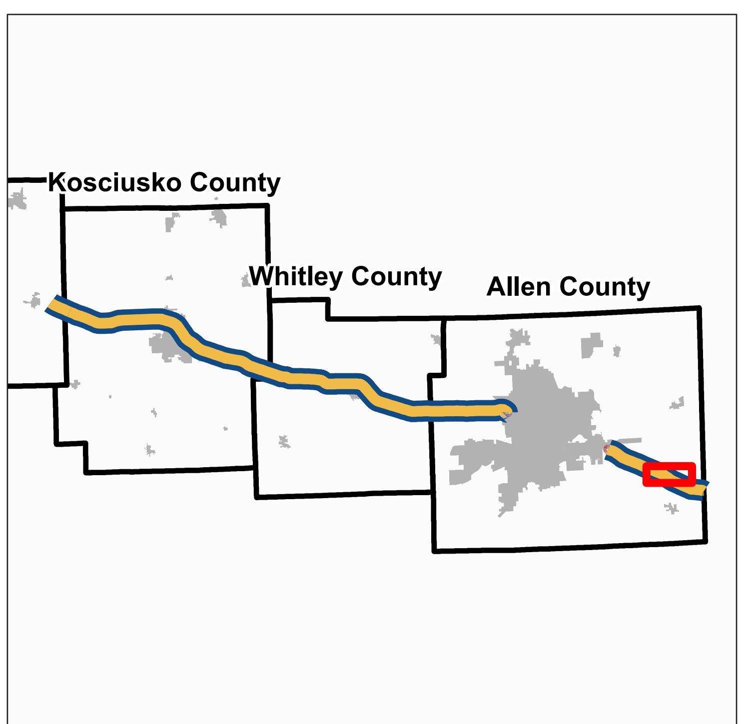
PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Allen County-East

Sources: All in Allen (County) Comprehensive Plan (June 2022, Public Draft); New Haven Comprehensive Land Use and Economic Strategic Plan (adopted 2002)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- River/Stream
- Lake

Allen County FLU

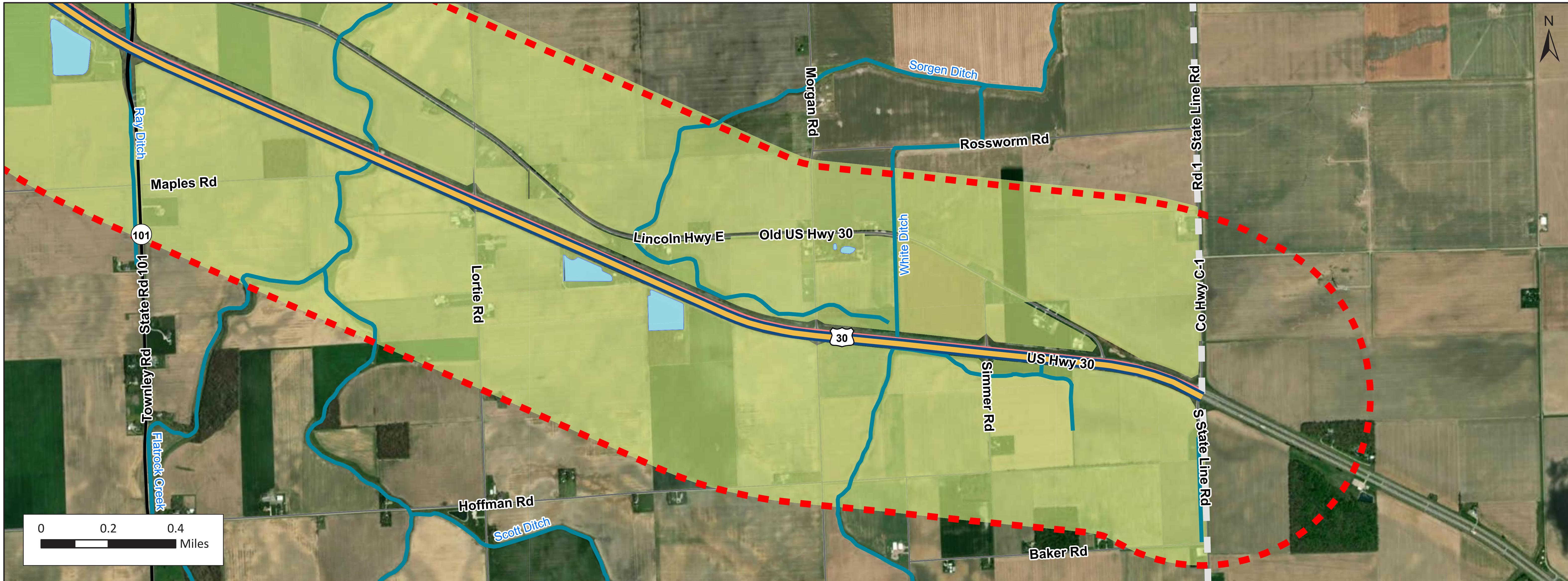
- Rural Agriculture

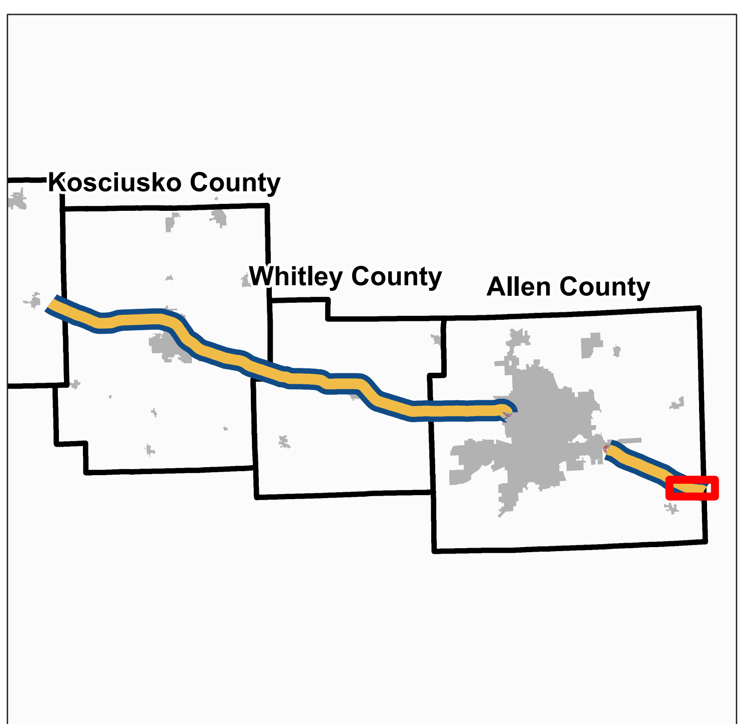
PROPEL
Smarter Transportation. Stronger Communities.
US 30

US 30 East/Future Land Use
Allen County-East

Sources: All in Allen (County) Comprehensive Plan (June 2022, Public Draft); New Haven Comprehensive Land Use and Economic Strategic Plan (adopted 2002)

Earthstar Geographics, Maxar





Planned Future Land Uses (FLU)

- Study Area
- County Borders
- U.S. 30
- State Road
- US Route
- River/Stream
- Lake

Allen County FLU

- Rural Agriculture

PROPEL US 30

Smarter Transportation. Stronger Communities.

US 30 East/Future Land Use
Allen County-State of Ohio Border

Sources: All in Allen (County) Comprehensive Plan (June 2022, Public Draft); New Haven Comprehensive Land Use and Economic Strategic Plan (adopted 2002)

Earthstar Geographics, Maxar

Appendix B
Constraints Summary Table

Constraint type		Resource Characteristics within US 30 East Study Area
Socioeconomic Resources	**Environmental Justice**	***Total:** 82 EJ census tracts (CTs) identified out of 115 total CTs*
		Racial/Ethnic Minority Population: 35 CTs
		Poverty: 37 CTs
		Limited-English: 34 CTs
		Foreign-Born Households: 39 CTs
		Zero-Vehicle Households: 38 CTs
		No-Internet Households: 37 CTs
	Justice40 Populations	***Total:** 44 CTs identified out of 113 total CTs*
		Areas of Persistent Poverty: 32 CTs
		Historically Disadvantaged Communities: 23 CTs
		Climate and Environmental Justice Screening Tool Communities: 34 CTs
	HUD Resources	24 Multifamily Assisted Properties
		54 Low-Income Housing Tax Credit Properties
		109 Public Housing Buildings
		5 Public Housing Developments
		11 USDA Rural Housing Properties
	Land Use	**Whitley County:** Light industrial and office
		Kosciusko County: Agricultural west of Warsaw with residential and commercial around Hoffman Lake, industrial in Warsaw, mixed use (commercial, industrial, and residential) east of Warsaw
		Allen County: Orthopedic industry cluster between Merrillville and Fort Wayne, limited utility capacity west of the SIRVA facility and east of the SDI mini mill, heavy industry east of I-469 between US 24 and US 30
		Marshall County: Agricultural
	Agriculture	Land within US 30 East study area is: • 74 percent Prime Farmland • 4 percent Farmland of Statewide Importance • 22 percent not Prime or Important Farmland
	Infrastructure	**Airports:** Warsaw Municipal Airport and Smith Field Airport within 2 mi. of US 30 East study area
		Railroads: No at-grade RR crossings. Norfolk Southern RR and Chicago, Fort Wayne & Eastern Railroad are present.

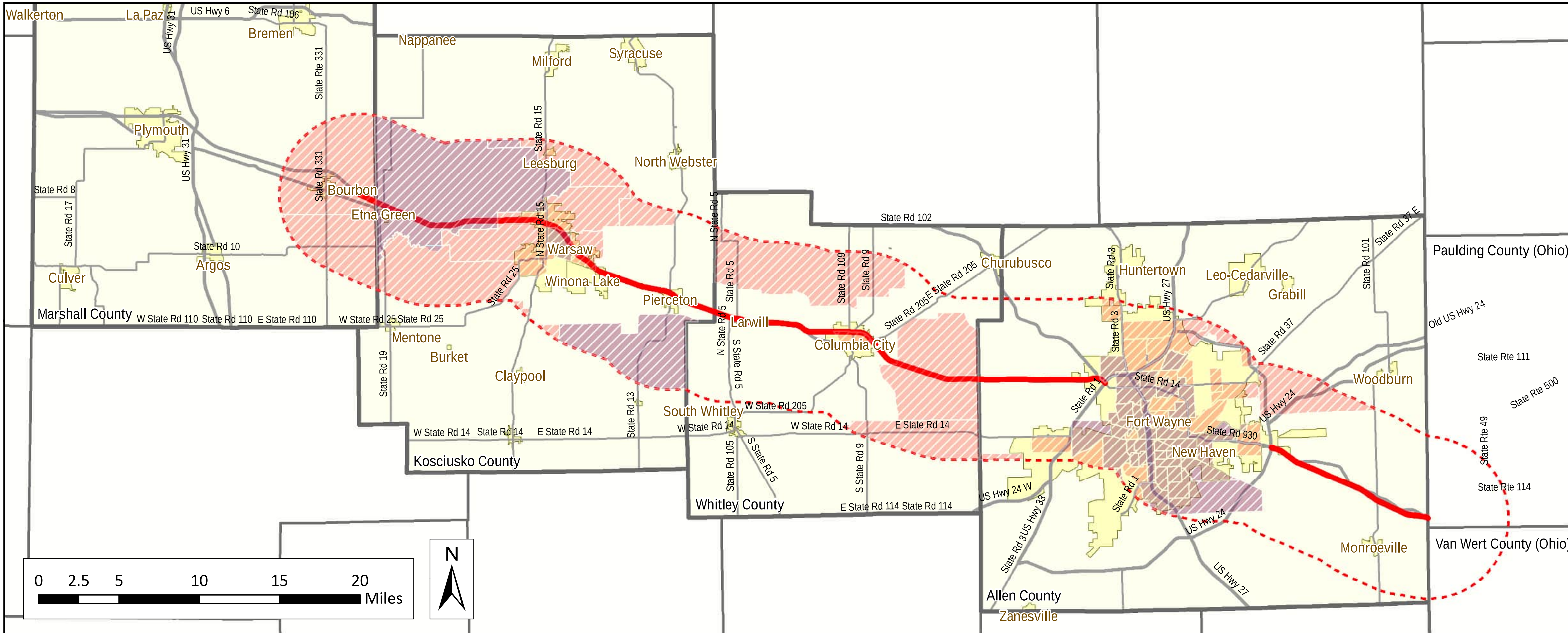
		Utilities:
		• Northern Indiana Public Service Company pipelines are located throughout the study area
		• West of Fort Wayne
		  ○ Four high-voltage power lines and associated transmission towers crossing US 30
		  ○ Electrical substation 40 feet south of US-30 east of Van Ness Road

Constraint type		Resource Characteristics within US 30 East Study Area
		○ Utility lines and poles at the US 30/CR 600E intersection ○ Utility line along the south side of US 30 from Warsaw to Business 30 • East of Fort Wayne ○ Electrical substation approximately 600 feet northeast of US 30 on Martin Road. Associated high voltage powerline and transmission towers cross US 30 between Martin Road and Sampson Road. Transmission towers are approximately 150 feet from US-30. ○ High-voltage powerline crosses US 30 east of Giard Road, with transmission towers 120 and 260 feet from US 30.
	Community Facilities	• 395 businesses • 6 community centers, libraries, and post offices • 12 government offices • 103 medical services (2 hospitals) • 17 parks and recreation facilities • 10 religious services • 8 schools • 7 social services
	Housing	• 8,684 housing units within the study area (pop. 18,346) • Median household income in study area counties: $155,875 • Average housing unit built in 1983 • One-third of residents in study area have lived there fewer than 9 years • 7 manufactured home communities within the study area
Natural Resources	**Wetlands (National Wetland Inventory)**	Wetland/water field delineation will be completed during NEPA for individual projects recommended at the end of the PEL study. National Wetlands Inventory data for the study area includes: • Freshwater Emergent: 942 acres (ac) • Freshwater Forested/Shrub: 1,588 ac • Freshwater Pond: 312 ac • Lake: 206 ac
	Soils	2,204 acres of mucky soil (5.5% of overall study area)
	Streams and Groundwater	• 188 river and stream segments within the US 30 East study area (National Hydrology Dataset), totalling 396,696 linear feet • Tippecanoe River listed on Nationwide Rivers Inventory (NRI) and qualifies to be classified as a State Natural and Scenic River Segment • 40 303(d)-listed stream and lake segments
	Floodplain	98 Zone A or AE floodplain polygons in US 30 East study area (FEMA)

Constraint type	Resource Characteristics within US 30 East Study Area	
	Wildlife Habitat	• No recorded bat roost, capture or hibernacula sites (USFWS) • Structure 43-00231 on Hoffman Lake Road has had bird or bird nesting activity spotted during inspections
	Protected Species	Seven federally listed threatened, endangered or rare species whose range is known to be within the study area (Indiana bat (*Myotis sodalis*), the northern long-eared bat (*Myotis septentrionalis*), the tricolored bat (*Perimyotis subflavus*), the copperbelly water snake (*Nerodia erythrogaster neglecta*), the clubshell clam (*Pleruobema clava*), the rayed bean clam (*Villosa fabalis*), and the monarch butterfly (*Danaus plexippus*)), but no known critical habitat. There are 51 plant and animal species in Allen County that are listed on the Indiana Heritage Database, 113 plant and animal species listed in Kosciusko County, 58 plant and animal species listed in Marshall County, and 45 plant and animal species listed in Whitley County. Federal and state protected species coordination and Section 7 consultation, if required, will be completed in NEPA for projects recommended at the end of the PEL study.
Cultural Resources	**Aboveground Resources**	• 240 previously IHSSI-recorded resources in the US 30 East study area. Of these, three are NRHP listed historic districts and two are NRHP individually-listed sites. • Two Notable rated farmsteads are in the US 30 East study area, and avoidance is advised. • Three cemeteries are near US 30 and avoidance is advised.
	Archaeological Resources	• 80 sites of undetermined NRHP eligibility, and 2 potential NRHP eligibility are known to exist in the study area
Section 4(f)	Potential Section 4(f) Parks, Recreation, or Refuge Properties Recommended for Avoidance: • 16 recreational facilities in the US 30 East study area Potential Section 4(f) Historic Properties Recommended for Avoidance: • 3 historic districts and 4 individual sites in the study area are on or known to be eligible for the NRHP • Additional properties eligible for the NRHP may be identified during NEPA for projects recommended at the end of PEL	
Section 6(f)	Two LWCF properties are present in the study area that should be avoided: Jury Park and Morches Park	
Mineral Resources/Petroleum Wells	• 38 petroleum wells are in the study area • There is one surface mine in the study area, G and G Hauling and Excavating in Warsaw.	
Air Quality	Allen County is a maintenance area for the 8-hour ozone standard, with a maintenance plan in place. Kosciusko, Marshall, and Whitley counties are in attainment of the NAAQS.	
Noise	Twenty-four (24) CNEs were identified within the US 30 East study area. Over 1,000 traffic noise receptors were estimated to be in the ProPEL US 30 East study area. Twenty-one (21) of the 24 total CNEs are recommended for future noise investigation if a Type I project is identified at the conclusion of the PEL study.	
Hazardous Materials	Approximately 300 Hazardous Materials Concern sites identified in the study area. Further study of these sites will be completed during NEPA for individual projects recommended at the end of the PEL study.	

Appendix C

Environmental Justice



Legend

- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ census tracts
- EJ census tracts & DACs

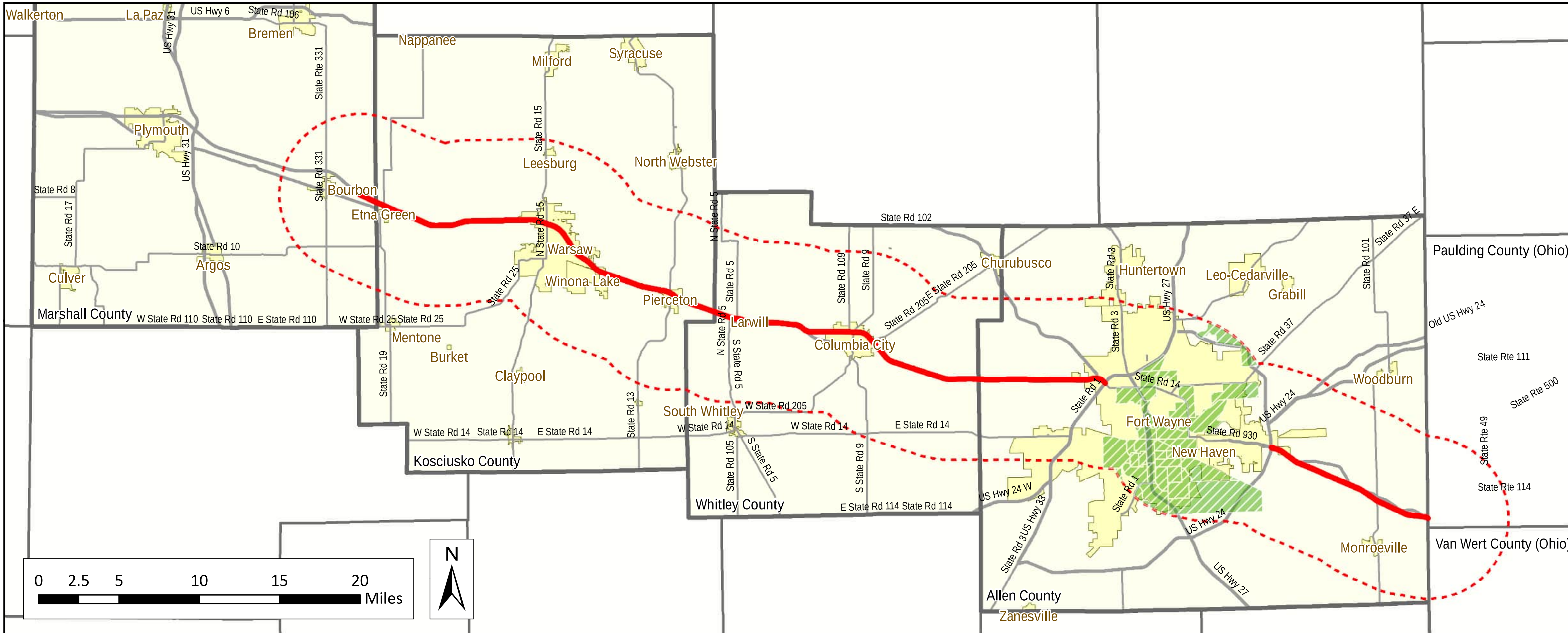
PROPEL US 30

Smarter Transportation. Stronger Communities.

US 30 East PEL Study

EJ Communities & DACs

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Legend

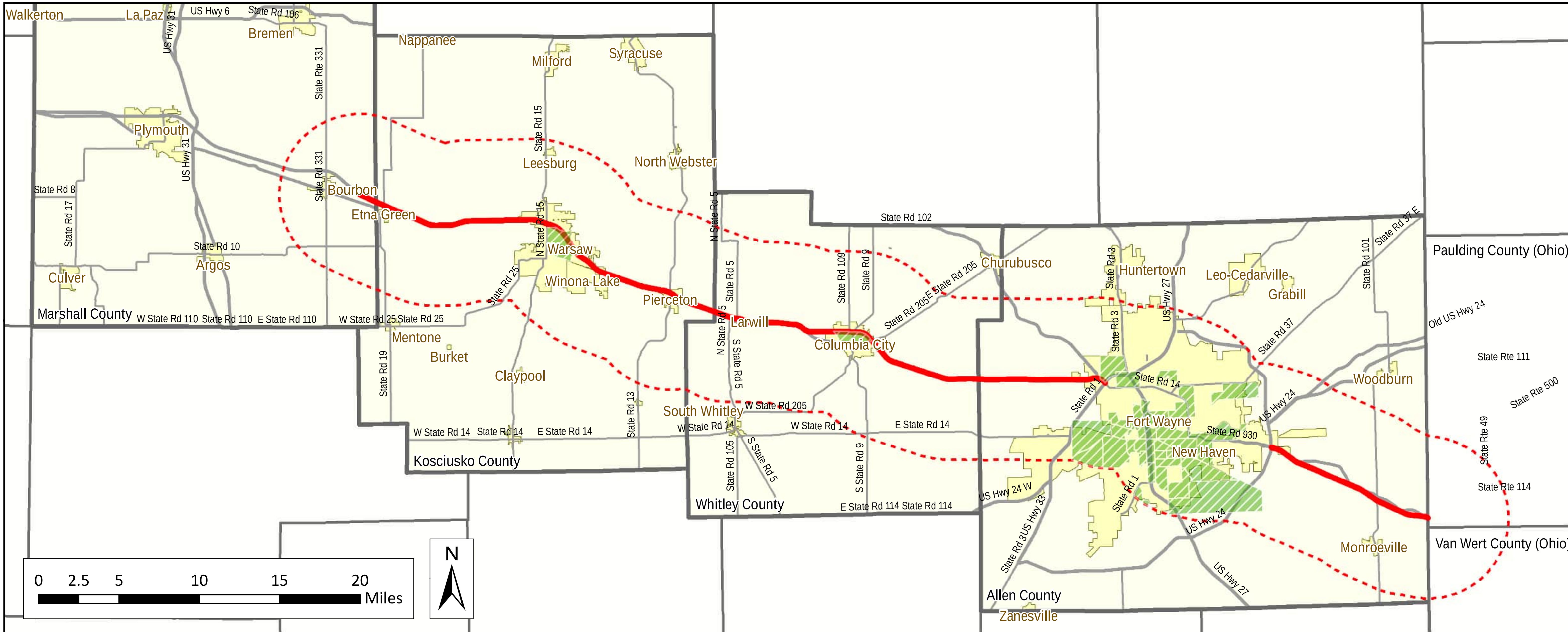
- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ Community (Minority)

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East PEL Study

EJ Communities - Racial & Ethnic Minority

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



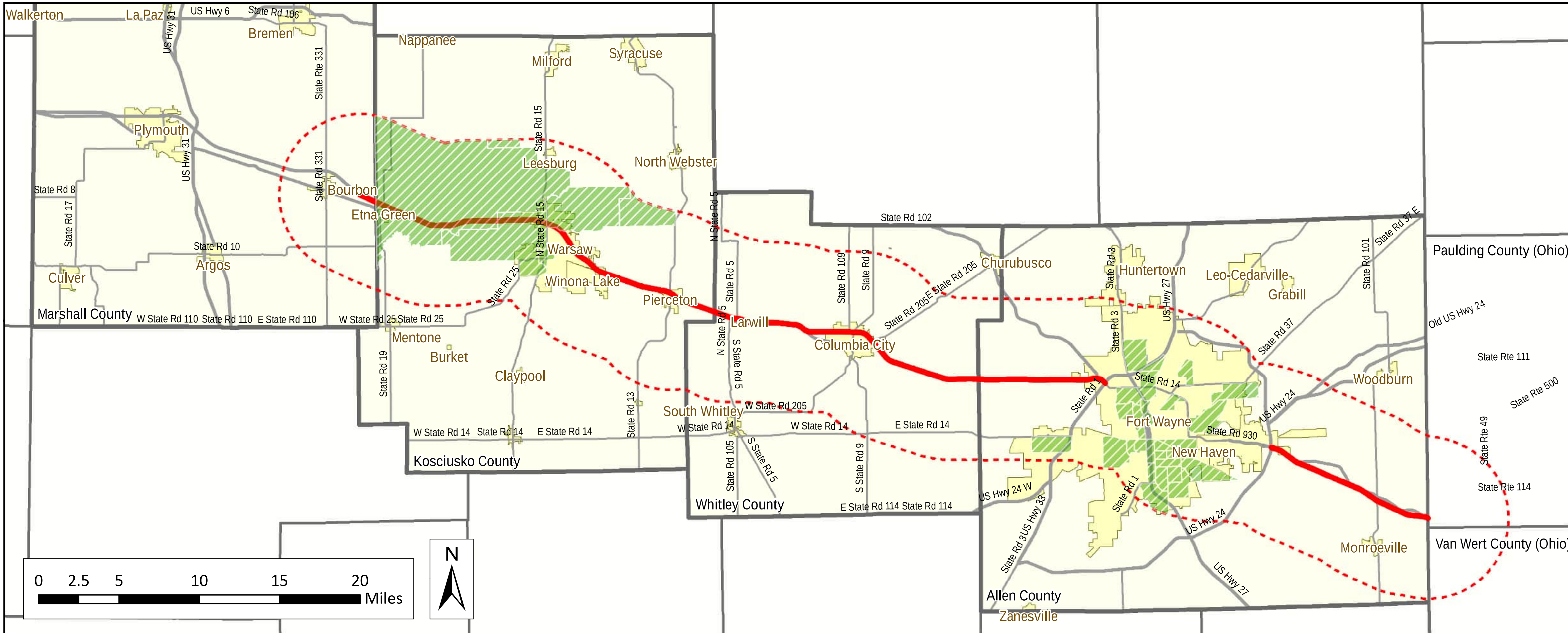
Legend

- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ Community (Poverty)

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East PEL Study

EJ Communities - Poverty



Legend

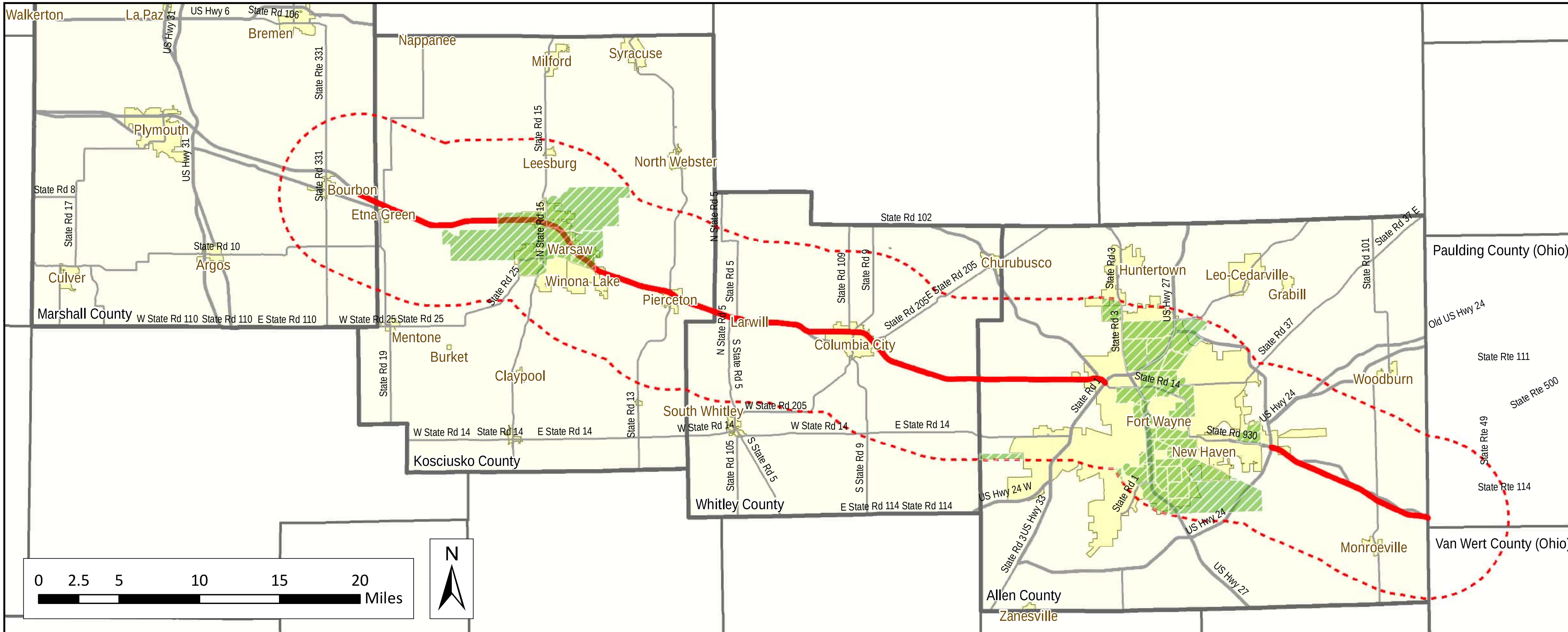
- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ Community (Limited English)

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East PEL Study

EJ Communities - Limited English

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Legend

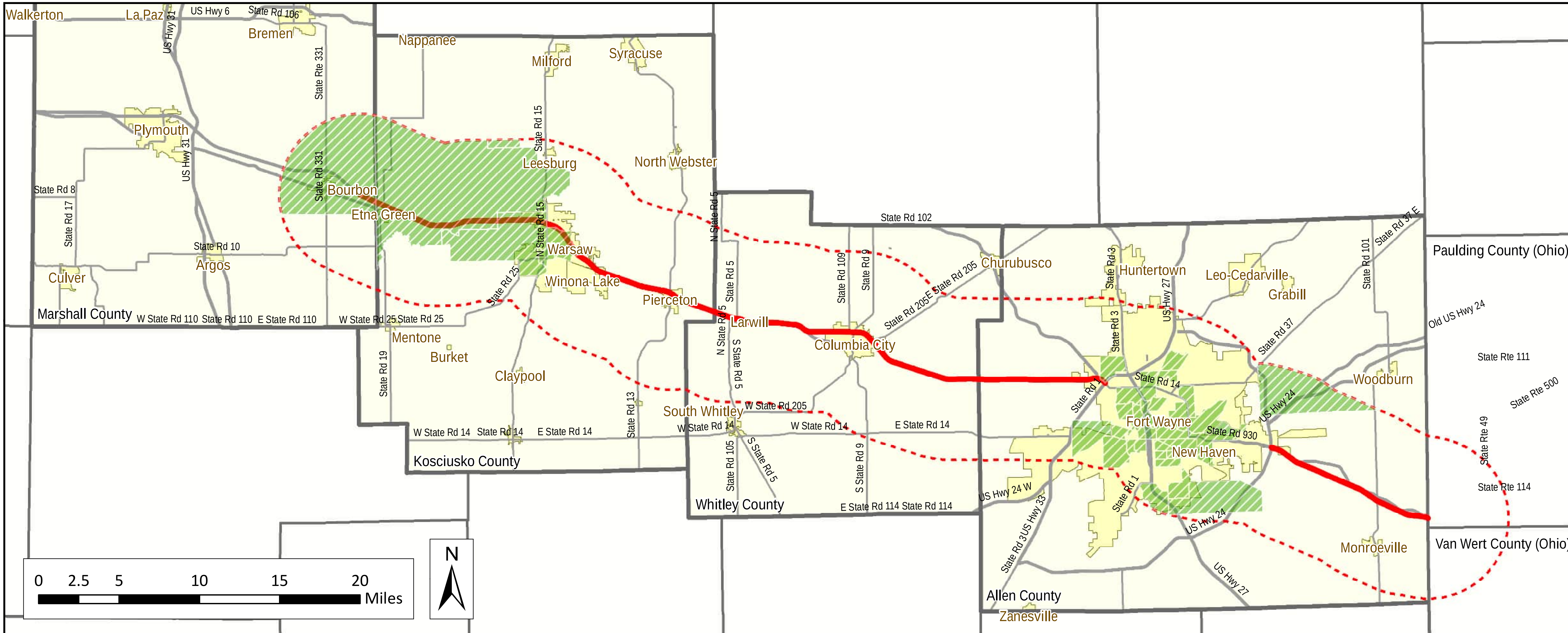
- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ Community (Foreign Born)

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East PEL Study

EJ Communities - Foreign Born

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



Legend

- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ Community (Zero-Vehicle Households)

PROPEL US 30
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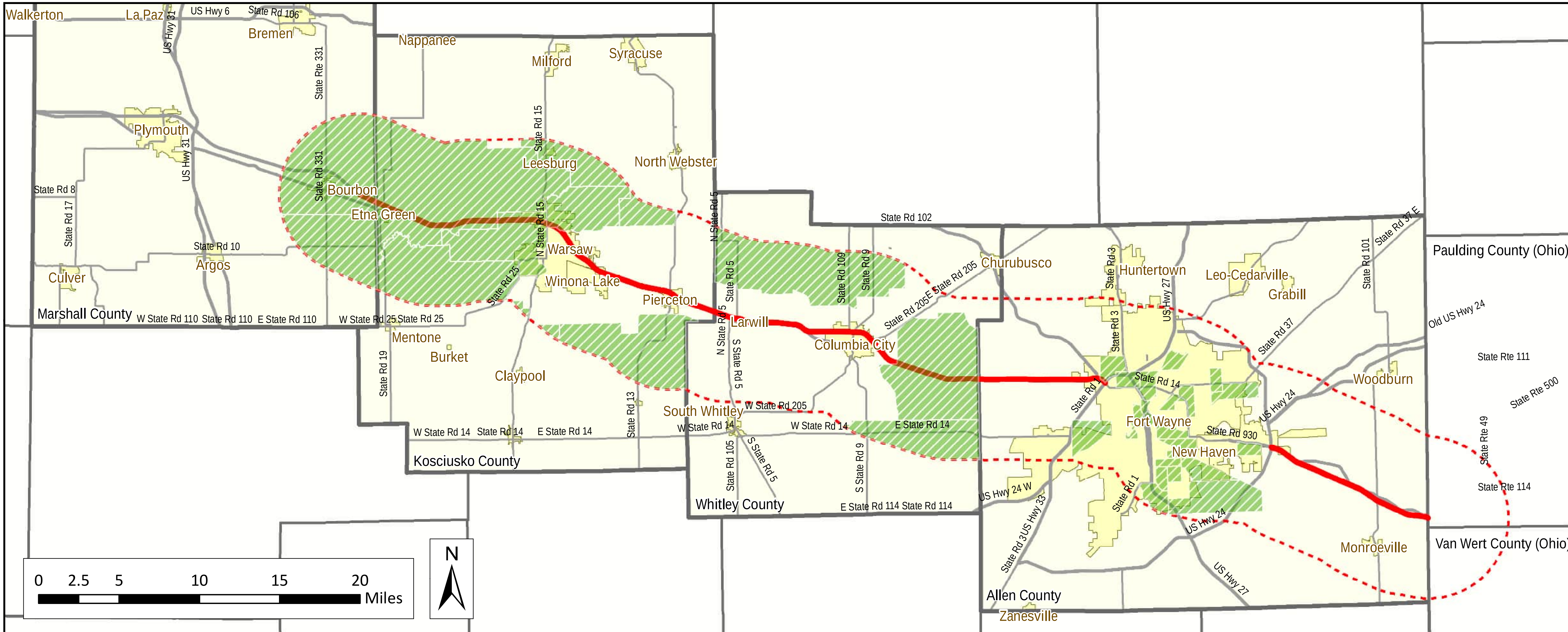
US 30 East PEL Study

EJ Communities - Zero-Vehicle Households

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



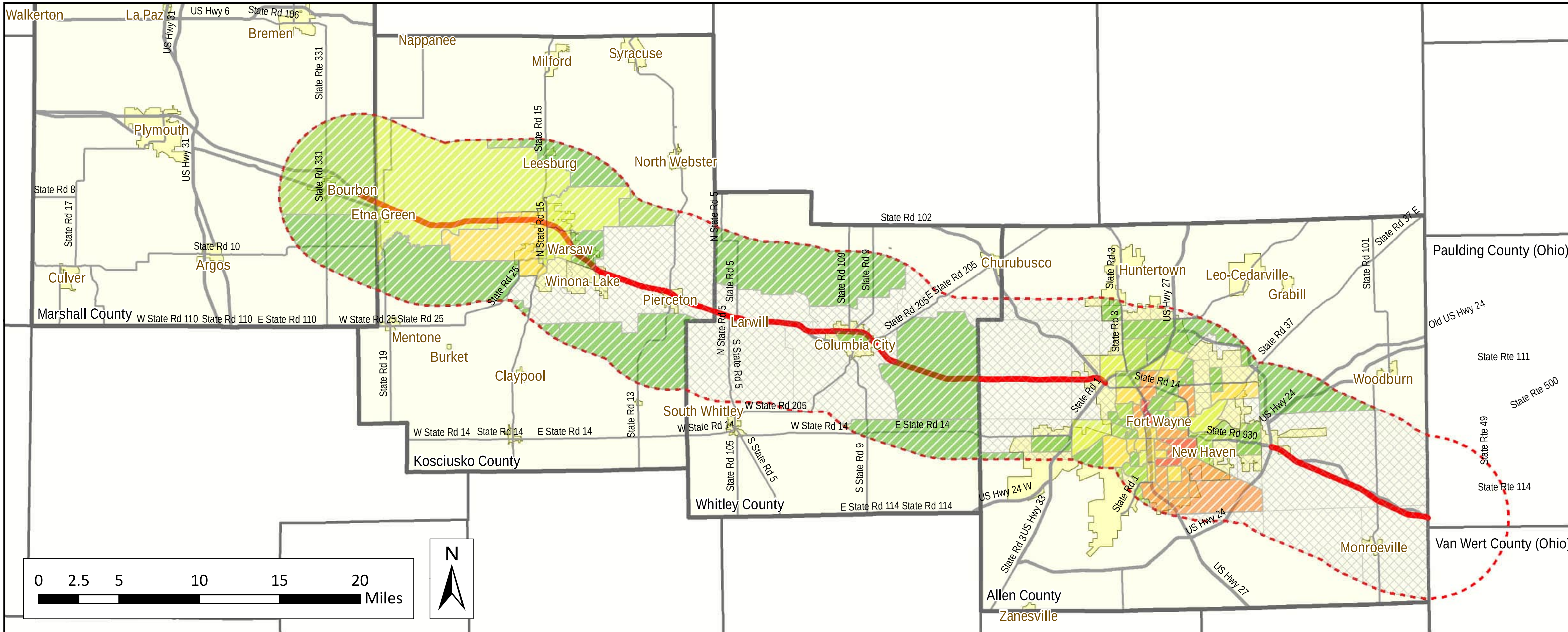
Legend

- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries
- EJ Community (No-Internet Households)

PROPEL US 30
Smarter Transportation. Stronger Communities.

US 30 East PEL Study

EJ Communities - No Internet Households



Legend

# of EJ Criteria Met

- 0
- 1
- 2
- 3
- 4
- 5
- 6

- US-30 East PEL Study Corridor
- 5 mi. buffer of study corridor
- Interstates
- State roads
- Incorporated areas
- County boundaries

PROPEL
Smarter Transportation. Stronger Communities.
US 30

US 30 East PEL Study

EJ Communities - Summary

County	Census Tract	Minority	Foreign-born	Limited English	No internet	Poverty	Zero-vehicle	EJ criteria met
Allen	Census Tract 5	Yes	Yes	Yes	Yes	Yes	Yes	6
Allen	Census Tract 16	Yes	Yes	Yes	Yes	Yes	Yes	6
Allen	Census Tract 29	Yes	Yes	Yes	Yes	Yes	Yes	6
Allen	Census Tract 30	Yes	Yes	Yes	Yes	Yes	Yes	6
Allen	Census Tract 7.01	No	Yes	Yes	Yes	Yes	Yes	5
Allen	Census Tract 43	Yes	Yes	No	Yes	Yes	Yes	5
Allen	Census Tract 108.21	Yes	Yes	No	Yes	Yes	Yes	5
Allen	Census Tract 113.04	Yes	Yes	No	Yes	Yes	Yes	5
Allen	Census Tract 17	Yes	Yes	Yes	No	Yes	Yes	5
Allen	Census Tract 113.02	Yes	Yes	Yes	No	Yes	Yes	5
Allen	Census Tract 33.04	Yes	Yes	Yes	Yes	No	Yes	5
Allen	Census Tract 36	Yes	Yes	Yes	Yes	No	Yes	5
Allen	Census Tract 23	Yes	Yes	Yes	Yes	Yes	No	5
Allen	Census Tract 113.03	Yes	Yes	Yes	Yes	Yes	No	5
Allen	Census Tract 12	Yes	No	Yes	No	Yes	Yes	4
Allen	Census Tract 20	Yes	No	Yes	No	Yes	Yes	4
Allen	Census Tract 21	Yes	No	Yes	No	Yes	Yes	4
Allen	Census Tract 22	Yes	No	Yes	No	Yes	Yes	4
Allen	Census Tract 28	Yes	No	Yes	No	Yes	Yes	4
Allen	Census Tract 13	Yes	Yes	No	No	Yes	Yes	4
Allen	Census Tract 35	Yes	Yes	No	No	Yes	Yes	4
Allen	Census Tract 41.03	Yes	Yes	No	No	Yes	Yes	4
Kosciusko	Census Tract 9618	No	Yes	Yes	Yes	No	Yes	4
Allen	Census Tract 7.04	Yes	Yes	Yes	No	No	Yes	4

County	Census Tract	Minority	Foreign-born	Limited English	No internet	Poverty	Zero-vehicle	EJ criteria met
Allen	Census Tract 108.09	Yes	No	Yes	Yes	Yes	No	4
Allen	Census Tract 31	Yes	Yes	Yes	No	Yes	No	4
Allen	Census Tract 44	Yes	Yes	Yes	No	Yes	No	4
Allen	Census Tract 40	Yes	Yes	Yes	Yes	No	No	4
Allen	Census Tract 6	No	No	No	Yes	Yes	Yes	3
Allen	Census Tract 106.04	No	No	No	Yes	Yes	Yes	3
Allen	Census Tract 115.01	No	No	No	Yes	Yes	Yes	3
Kosciusko	Census Tract 9620	No	Yes	No	No	Yes	Yes	3
Kosciusko	Census Tract 9612	No	No	Yes	Yes	No	Yes	3
Allen	Census Tract 41.01	No	Yes	No	Yes	No	Yes	3
Kosciusko	Census Tract 9619	No	Yes	Yes	No	No	Yes	3
Allen	Census Tract 108.11	Yes	No	Yes	No	No	Yes	3
Allen	Census Tract 26	Yes	Yes	No	No	Yes	No	3
Kosciusko	Census Tract 9617	No	Yes	Yes	Yes	No	No	3
Allen	Census Tract 33.01	Yes	Yes	Yes	No	No	No	3
Allen	Census Tract 10	No	No	No	No	Yes	Yes	2
Allen	Census Tract 112.01	No	No	No	No	Yes	Yes	2
Marshall	Census Tract 207.02	No	No	No	Yes	No	Yes	2
Allen	Census Tract 8	No	No	Yes	No	No	Yes	2
Kosciusko	Census Tract 9611	No	No	Yes	No	No	Yes	2
Allen	Census Tract 4	Yes	No	No	No	No	Yes	2
Allen	Census Tract 9800.02	No	No	No	Yes	Yes	No	2

County	Census Tract	Minority	Foreign-born	Limited English	No internet	Poverty	Zero-vehicle	EJ criteria met
Kosciusko	Census Tract 9627	No	No	No	Yes	Yes	No	2
Allen	Census Tract 39.02	Yes	No	No	No	Yes	No	2
Allen	Census Tract 34	No	No	Yes	Yes	No	No	2
Kosciusko	Census Tract 9616	No	No	Yes	Yes	No	No	2
Allen	Census Tract 107.06	No	Yes	Yes	No	No	No	2
Allen	Census Tract 32	Yes	Yes	No	No	No	No	2
Allen	Census Tract 37	Yes	Yes	No	No	No	No	2
Allen	Census Tract 1	No	No	No	No	No	Yes	1
Allen	Census Tract 109	No	No	No	No	No	Yes	1
Allen	Census Tract 3	No	No	No	No	Yes	No	1
Allen	Census Tract 9	No	No	No	No	Yes	No	1
Allen	Census Tract 115.02	No	No	No	No	Yes	No	1
Whitley	Census Tract 504.01	No	No	No	No	Yes	No	1
Allen	Census Tract 11	No	No	No	Yes	No	No	1
Allen	Census Tract 108.04	No	No	No	Yes	No	No	1
Allen	Census Tract 112.05	No	No	No	Yes	No	No	1
Kosciusko	Census Tract 9613	No	No	No	Yes	No	No	1
Kosciusko	Census Tract 9624	No	No	No	Yes	No	No	1
Kosciusko	Census Tract 9625	No	No	No	Yes	No	No	1
Kosciusko	Census Tract 9626	No	No	No	Yes	No	No	1
Marshall	Census Tract 208	No	No	No	Yes	No	No	1
Whitley	Census Tract 502	No	No	No	Yes	No	No	1
Whitley	Census Tract 506	No	No	No	Yes	No	No	1
Whitley	Census Tract 507	No	No	No	Yes	No	No	1

County	Census Tract	Minority	Foreign-born	Limited English	No internet	Poverty	Zero-vehicle	EJ criteria met
Allen	Census Tract 108.19	No	No	Yes	No	No	No	1
Allen	Census Tract 116.06	No	No	Yes	No	No	No	1
Allen	Census Tract 103.07	No	Yes	No	No	No	No	1
Allen	Census Tract 107.05	No	Yes	No	No	No	No	1
Allen	Census Tract 107.07	No	Yes	No	No	No	No	1
Allen	Census Tract 108.13	No	Yes	No	No	No	No	1
Allen	Census Tract 111	No	Yes	No	No	No	No	1
Allen	Census Tract 116.09	No	Yes	No	No	No	No	1
Allen	Census Tract 9800.01	No	Yes	No	No	No	No	1
Kosciusko	Census Tract 9621.01	No	Yes	No	No	No	No	1
Allen	Census Tract 25	Yes	No	No	No	No	No	1
Allen	Census Tract 108.15	Yes	No	No	No	No	No	1
Allen	Census Tract 39.01	No	No	No	No	No	No	0
Allen	Census Tract 102.01	No	No	No	No	No	No	0
Allen	Census Tract 103.04	No	No	No	No	No	No	0
Allen	Census Tract 103.08	No	No	No	No	No	No	0
Allen	Census Tract 104	No	No	No	No	No	No	0
Allen	Census Tract 105	No	No	No	No	No	No	0

County	Census Tract	Minority	Foreign-born	Limited English	No internet	Poverty	Zero-vehicle	EJ criteria met
Allen	Census Tract 106.02	No	No	No	No	No	No	0
Allen	Census Tract 106.03	No	No	No	No	No	No	0
Allen	Census Tract 106.01	No	No	No	No	No	No	0
Allen	Census Tract 108.03	No	No	No	No	No	No	0
Allen	Census Tract 108.08	No	No	No	No	No	No	0
Allen	Census Tract 108.12	No	No	No	No	No	No	0
Allen	Census Tract 108.07	No	No	No	No	No	No	0
Allen	Census Tract 108.17	No	No	No	No	No	No	0
Allen	Census Tract 108.16	No	No	No	No	No	No	0
Allen	Census Tract 110	No	No	No	No	No	No	0
Allen	Census Tract 112.02	No	No	No	No	No	No	0
Allen	Census Tract 112.04	No	No	No	No	No	No	0
Allen	Census Tract 116.05	No	No	No	No	No	No	0
Allen	Census Tract 116.03	No	No	No	No	No	No	0
Allen	Census Tract 116.08	No	No	No	No	No	No	0
Allen	Census Tract 116.07	No	No	No	No	No	No	0

County	Census Tract	Minority	Foreign-born	Limited English	No internet	Poverty	Zero-vehicle	EJ criteria met
Allen	Census Tract 118.01	No	No	No	No	No	No	0
Allen	Census Tract 118.02	No	No	No	No	No	No	0
Allen	Census Tract 119	No	No	No	No	No	No	0
Kosciusko	Census Tract 9615	No	No	No	No	No	No	0
Kosciusko	Census Tract 9621.02	No	No	No	No	No	No	0
Kosciusko	Census Tract 9622	No	No	No	No	No	No	0
Kosciusko	Census Tract 9623	No	No	No	No	No	No	0
Whitley	Census Tract 501	No	No	No	No	No	No	0
Whitley	Census Tract 503	No	No	No	No	No	No	0
Whitley	Census Tract 504.02	No	No	No	No	No	No	0
Whitley	Census Tract 505	No	No	No	No	No	No	0

LOCATION	Area of Persistent Poverty	Historically Disadvantaged Community	Climate and Environmental Justice Thresholds Met
Census Tract 17, Allen County, Indiana	Yes	Yes	4
Census Tract 29, Allen County, Indiana	Yes	Yes	4
Census Tract 5, Allen County, Indiana	Yes	Yes	3
Census Tract 13, Allen County, Indiana	Yes	Yes	3
Census Tract 16, Allen County, Indiana	Yes	Yes	3
Census Tract 20, Allen County, Indiana	Yes	Yes	3
Census Tract 21, Allen County, Indiana	Yes	Yes	3
Census Tract 28, Allen County, Indiana	Yes	Yes	3
Census Tract 30, Allen County, Indiana	Yes	Yes	3
Census Tract 44, Allen County, Indiana	Yes	Yes	3
Census Tract 112.01, Allen County, Indiana	Yes	Yes	3
Census Tract 23, Allen County, Indiana	Yes	Yes	2
Census Tract 35, Allen County, Indiana	Yes	Yes	2
Census Tract 113.03, Allen County, Indiana	Yes	Yes	2
Census Tract 40, Allen County, Indiana	Yes	Yes	1
Census Tract 113.04, Allen County, Indiana	Yes	Yes	1
Census Tract 22, Allen County, Indiana	Yes	Yes	0
Census Tract 43, Allen County, Indiana	Yes	Yes	0
Census Tract 9800.02, Allen County, Indiana	Yes	No	4
Census Tract 12, Allen County, Indiana	Yes	No	3
Census Tract 31, Allen County, Indiana	Yes	No	3
Census Tract 6, Allen County, Indiana	Yes	No	2
Census Tract 7.01, Allen County, Indiana	Yes	No	2
Census Tract 9, Allen County, Indiana	Yes	No	2
Census Tract 26, Allen County, Indiana	Yes	No	2
Census Tract 106.04, Allen County, Indiana	Yes	No	2
Census Tract 113.02, Allen County, Indiana	Yes	No	2
Census Tract 115.01, Allen County, Indiana	Yes	No	1
Census Tract 108.21, Allen County, Indiana	Yes	No	0
Census Tract 9800.01, Allen County, Indiana	Yes	No	0
Census Tract 9620, Kosciusko County, Indiana	Yes	No	0
Census Tract 9627, Kosciusko County, Indiana	Yes	No	0
Census Tract 7.04, Allen County, Indiana	No	Yes	1
Census Tract 10, Allen County, Indiana	No	Yes	1
Census Tract 9611, Kosciusko County, Indiana	No	Yes	0

LOCATION	Area of Persistent Poverty	Historically Disadvantaged Community	Climate and Environmental Justice Thresholds Met
Census Tract 9612, Kosciusko County, Indiana	No	Yes	0
Census Tract 9626, Kosciusko County, Indiana	No	Yes	0
Census Tract 8, Allen County, Indiana	No	No	2
Census Tract 25, Allen County, Indiana	No	No	1
Census Tract 33.04, Allen County, Indiana	No	No	1
Census Tract 36, Allen County, Indiana	No	No	1
Census Tract 37, Allen County, Indiana	No	No	1
Census Tract 41.01, Allen County, Indiana	No	No	1
Census Tract 1, Allen County, Indiana	No	No	0
Census Tract 3, Allen County, Indiana	No	No	0
Census Tract 4, Allen County, Indiana	No	No	0
Census Tract 11, Allen County, Indiana	No	No	0
Census Tract 32, Allen County, Indiana	No	No	0
Census Tract 33.01, Allen County, Indiana	No	No	0
Census Tract 34.00, Allen County, Indiana	No	No	0
Census Tract 39.01, Allen County, Indiana	No	No	0
Census Tract 39.02, Allen County, Indiana	No	No	0
Census Tract 41.03, Allen County, Indiana	No	No	0
Census Tract 102.01, Allen County, Indiana	No	No	0
Census Tract 103.04, Allen County, Indiana	No	No	0
Census Tract 103.07, Allen County, Indiana	No	No	0
Census Tract 103.08, Allen County, Indiana	No	No	0
Census Tract 104, Allen County, Indiana	No	No	0
Census Tract 105, Allen County, Indiana	No	No	0
Census Tract 106.01, Allen County, Indiana	No	No	0
Census Tract 106.02, Allen County, Indiana	No	No	0
Census Tract 106.03, Allen County, Indiana	No	No	0
Census Tract 107.05, Allen County, Indiana	No	No	0
Census Tract 107.06, Allen County, Indiana	No	No	0
Census Tract 107.07, Allen County, Indiana	No	No	0
Census Tract 108.03, Allen County, Indiana	No	No	0
Census Tract 108.04, Allen County, Indiana	No	No	0
Census Tract 108.07, Allen County, Indiana	No	No	0
Census Tract 108.08, Allen County, Indiana	No	No	0
Census Tract 108.09, Allen County, Indiana	No	No	0
Census Tract 108.11, Allen County, Indiana	No	No	0
Census Tract 108.12, Allen County, Indiana	No	No	0

LOCATION	Area of Persistent Poverty	Historically Disadvantaged Community	Climate and Environmental Justice Thresholds Met
Census Tract 108.13, Allen County, Indiana	No	No	0
Census Tract 108.15, Allen County, Indiana	No	No	0
Census Tract 108.16, Allen County, Indiana	No	No	0
Census Tract 108.17, Allen County, Indiana	No	No	0
Census Tract 108.19, Allen County, Indiana	No	No	0
Census Tract 109, Allen County, Indiana	No	No	0
Census Tract 110, Allen County, Indiana	No	No	0
Census Tract 111, Allen County, Indiana	No	No	0
Census Tract 112.02, Allen County, Indiana	No	No	0
Census Tract 112.04, Allen County, Indiana	No	No	0
Census Tract 112.05, Allen County, Indiana	No	No	0
Census Tract 115.02, Allen County, Indiana	No	No	0
Census Tract 116.03, Allen County, Indiana	No	No	0
Census Tract 116.05, Allen County, Indiana	No	No	0
Census Tract 116.06, Allen County, Indiana	No	No	0
Census Tract 116.07, Allen County, Indiana	No	No	0
Census Tract 116.08, Allen County, Indiana	No	No	0
Census Tract 116.09, Allen County, Indiana	No	No	0
Census Tract 118.01, Allen County, Indiana	No	No	0
Census Tract 118.02, Allen County, Indiana	No	No	0
Census Tract 119, Allen County, Indiana	No	No	0
Census Tract 9613, Kosciusko County, Indiana	No	No	0
Census Tract 9615, Kosciusko County, Indiana	No	No	0
Census Tract 9616, Kosciusko County, Indiana	No	No	0
Census Tract 9617, Kosciusko County, Indiana	No	No	0
Census Tract 9618, Kosciusko County, Indiana	No	No	0
Census Tract 9619, Kosciusko County, Indiana	No	No	0
Census Tract 9621, Kosciusko County, Indiana	No	No	0
Census Tract 9622, Kosciusko County, Indiana	No	No	0
Census Tract 9623, Kosciusko County, Indiana	No	No	0
Census Tract 9624, Kosciusko County, Indiana	No	No	0

LOCATION	Area of Persistent Poverty	Historically Disadvantaged Community	Climate and Environmental Justice Thresholds Met
Census Tract 9625, Kosciusko County, Indiana	No	No	0
Census Tract 207.02, Marshall County, Indiana	No	No	0
Census Tract 208, Marshall County, Indiana	No	No	0
Census Tract 501, Whitley County, Indiana	No	No	0
Census Tract 502, Whitley County, Indiana	No	No	0
Census Tract 503, Whitley County, Indiana	No	No	0
Census Tract 504, Whitley County, Indiana	No	No	0
Census Tract 505, Whitley County, Indiana	No	No	0
Census Tract 506, Whitley County, Indiana	No	No	0
Census Tract 507, Whitley County, Indiana	No	No	0

EJ communities (APP *or* HDC *or* 1+ CEJ criteria met)

HUD Multifamily Assisted Properties

OBJECTID	PROPERTY_I	PROPERTY_N	ADDRESS_LI	PLACED_BAS	TOTAL_ASSI	TOTAL_UNIT	PROPERTY_C	CLIENT_G_1	CLIENT_G_2
4674	800006968	RICHFIELD APARTMENTS FORT WAYNE	4737 HEATHERWIND DR	Fort Wayne	120	120	Insured-Subsidized	Indv. families - not eld/ handicap	Family
4684	800006966	RETIRED TIGERS SENIOR APARTMENTS	320 W MAIN ST	Warsaw	82	82	Insured-Subsidized	Partially elderly handicapped	Elderly
4704	800007115	WOODVIEW MANOR	3506 TIMBERHILL DR	Fort Wayne	48	240	Insured-Subsidized	Indv. families - not eld/ handicap	Family
4709	800006994	ARBORS OF SOUTH TOWNE SQUARE APARTMENTS	7915 DECATUR ROAD	Fort Wayne	212	214	Subsidized - Previously Insured	Partially elderly handicapped	Elderly
4715	800006641	CENTENNIAL TOWNHOMES	7936 SERENITY DR	Fort Wayne	88	88	Subsidized - Previously Insured	Indv. families - not eld/ handicap	Family
4730	800007113	WOODSIDE APARTMENTS	1515 WOODSIDE AVE	Fort Wayne CITY	15	15	202/811	Chronically Mentally Ill	Disabled
4780	800006595	CAMBRIDGE SQUARE FORT WAYNE II	7600 COLD SPRINGS BLVD	Fort Wayne	102	200	Insured-Subsidized	Indv. families - not eld/ handicap	Family
4839	800006912	WILSON-CASTALDI APARTMENTS	1303 HUSKY TRAIL	Warsaw	20	20	202/811	Wholly developmentally disabled	Disabled
4876	800007028	EDSALL HOUSE	310. W BERRY ST	Fort Wayne	203	203	Insured-Subsidized	Elderly	Elderly
4907	800006979	SALEM MANOR	1221 EAST CALIFORNIA ROAD	Fort Wayne	83	84	Insured-Subsidized	Partially elderly handicapped	Elderly
4941	800007063	VALLEY FORGE APARTMENTS II	3100 E FRONTAGE, BLDG 5 RD	Warsaw	28	28	Subsidized - Previously Insured	Indv. families - not eld/ handicap	Family
4967	800007057	TRUE LOVE MANOR	6025 S. HANNA STREET	Fort Wayne	30	30	202/811	Wholly Elderly Housekeeping	Elderly
5041	800006697	FAIRINGTON APARTMENTS FORT WAYNE	4931 FAIRINGTON DR	Fort Wayne	201	201	Insured-Subsidized	Wholly Elderly Housekeeping	Elderly
5091	800006535	ADAM & BRUCE APARTMENTS	5910 HESSEN CASSEL ROAD	Fort Wayne	50	50	Insured-Subsidized	Wholly Elderly Housekeeping	Elderly
5151	800006543	ALLEN COUNTY GROUP HOMES	4919 Coldwater Road	Fort Wayne	24	24	202/811	Wholly developmentally disabled	Disabled
5238	800006566	BLUE RIVER APARTMENTS	904 BLUE RIVER DR	Columbia City	30	30	Subsidized, No HUD Financing	Wholly elderly - hskpg & congregat	Elderly
5279	800006684	VILLAGES OF HANNA	2201 REED ST	Fort Wayne	189	192	Insured-Subsidized	Indv. families - not eld/ handicap	Family
5302	800006680	EAST CENTRAL TOWERS	905 E WASHINGTON BLVD	Fort Wayne	166	166	Subsidized - Previously Insured	Partially elderly handicapped	Elderly
19133	800112365	SEDDLEMEYER APARTMENTS	1930 SEDDLEMEYER AVENUE	Fort Wayne	18	18	202/811	Chronically Mentally Ill	Disabled
19497	800215684	BOURBON GARDEN COURT	200 W. Florence Street	Bourbon	22	22	202/811	Elderly	Elderly
19895	800218085	MEMORIAL PARK ESTATES	2024 Maumee Ave.	Fort Wayne	34	35	202/811	Elderly	Elderly
19912	800218074	WATERFALL BUILDING	904 BLUE RIVER DRIVE	Columbia City	20	20	202/811	Elderly	Elderly
19943	800218088	RICHARDVILLE APARTMENTS I	4960 Winchester Rd	Fort Wayne	14	14	202/811	Chronically Mentally Ill	Disabled
20861	800219968	RICHARDVILLE APARTMENTS II	5002 Winchester Road	Fort Wayne	14	14	202/811	Chronically Mentally Ill	Disabled

HUD Low Income Housing Tax Credit Properties

OBJECTID	HUD_ID	PROJECT	PROJ_ADD	PROJ_CTY	PROJ_ST	PROJ_ZIP
12713	INA00000022	COBBLESTONE VILLAS	1920 HOBSON RD	FORT WAYNE	IN	46805
12719	INA00000029	EAST CENTRAL TOWERS	915 WASHINGTON ST	FORT WAYNE	IN	
12880	INA00000091	RYKER RESERVE	1800 LAVERNE AVE	FORT WAYNE	IN	46805
12944	INA19890006	128 E DEWALD ST	128 E DEWALD ST	FORT WAYNE	IN	46803
12978	INA19900046	RIVERSIDE VILLAS	10 PARK TER BLVD	COLUMBIA CITY	IN	46725
13104	INA00000991	REGENCY HOUSE	2440 FAIRFIELD AVE	FORT WAYNE	IN	46807
13578	INA20040148	MEETINGHOUSE AT ST PETER	611 E DEWALD ST	FORT WAYNE	IN	46803
13592	INA20120130	RENAISSANCE POINTE COMMUNITY	2534 WEISSER PARK AVE	FORT WAYNE	IN	46803
13594	INA20120140	SAVANNAH SPRINGS	3706 GOEGLEIN RD	FORT WAYNE	IN	46815
13601	INA20190016	SILVER BIRCH OF FORT WAYNE	7125 SOUTH HANNA STREET	FT WAYNE	IN	46816
13613	INA20080050	HERITAGE PLACE	107 N WALNUT ST	COLUMBIA CITY	IN	46725
13618	INA20080075	MAYSVILLE POINTE APTS	9718 FEATHER REED DR	FORT WAYNE	IN	46815
13637	INA20050067	STEPHANIE VILLAS APTS	1418 FAYETTE DR	FORT WAYNE	IN	46816
13652	INA20130013	WILLOW PARK AT BEYER FARM	609 N COLFAX ST	WARSAW	IN	46580
13662	INA20050085	TRAIL RIDGE APTS	675 W BUSINESS 30	COLUMBIA CITY	IN	46725
13663	INA20050092	TYLER TERRACE APTS	1250 RALPH AVE	FORT WAYNE	IN	46808
13668	INA20080120	VILLAGE AT WAYNE TRACE	3702 TRACE CIR	FORT WAYNE	IN	46806
13678	INA20140070	FAIRFIELD COMMUNITY HOME	2828 FAIRFIELD AVE	FORT WAYNE	IN	46807
13700	INA20140100	RANDALL LOFTS	606 S HARRISON ST	FORT WAYNE	IN	46802
13717	INA20050105	CANTERBURY HOUSE APTS II (WARSAW)	100 ST AUGUSTINES DR	WARSAW	IN	46582
13718	INA20050107	HERITAGE PLACE AT TRAILS EDGE	2620 E STATE BLVD	FORT WAYNE	IN	46805
13742	INA20060020	BROOKLYN MANOR	3626 BROOKLYN AVE	FORT WAYNE	IN	46809
13744	INA20060030	HAMILTON POINTE APTS	1740 FREEDOM DR	FORT WAYNE	IN	46814
13745	INA20060035	HERON PRESERVE APTS	1101 HERON BLVD	WARSAW	IN	46582
13748	INA20100011	CENTENNIAL APTS	7936 SERENITY DR	FORT WAYNE	IN	46816
13772	INA20060075	TILLWATER POINTE APTS	9231 JENNA LN	FORT WAYNE	IN	46825
13797	INA20060079	BALDWIN CREEK	2020 HOBSON RD	FORT WAYNE	IN	46805
13857	INA20070010	ARBORS OF SOUTH TOWNE SQUARE APTS	7915 DECATUR RD	FORT WAYNE	IN	46816
13892	INA20170011	HISTORIC BLUE BELL LOFTS	307 S WHITLEY ST	COLUMBIA CITY	IN	46725
13922	INA20180003	CAMBRIDGE SQUARE APARTMENTS	7600 COLD SPRINGS BLVD	FORT WAYNE	IN	46825
13960	INA20040046	TAMERA SENIOR VILLAS	7045 JOHN ST	FORT WAYNE	IN	46816
13966	INA20070200	STELLHORN APTS	7540 HOPE DR	FORT WAYNE	IN	46815
13991	INA20070225	HERON PRESERVE APTS II	6104 HERON BLVD	WARSAW	IN	46582
14015	INA20010075	TAMERA GARDENS II	6825 JOHN ST	FORT WAYNE	IN	46816
14035	INA19980062	MCMILLEN PARK APTS	4209 PLAZA DR	FORT WAYNE	IN	46806
14059	INA19980085	ORCHARD PLACE APTS	902 E COOK RD	FORT WAYNE	IN	46825
14064	INA20020015	CAMERON COURT APTS	10635 SEILER RD	NEW HAVEN	IN	46774
14106	INA19930040	COURTS OF COLFAX	600 N COLFAX ST	WARSAW	IN	46580
14113	INA19960160	TAMERA GARDENS I	7045 JOHN ST	FORT WAYNE	IN	46816
14117	INA19990017	CHAPEL OAKS	730 OAKLAWN CT	FORT WAYNE	IN	46803
14155	INA20030107	PHOENIX MANOR APTS	2330 BOWSER AVE	FORT WAYNE	IN	46803
14156	INA20030110	PIKE LAKE POINTE APTS	1064 N PARK AVE	WARSAW	IN	46580
14175	INA19990090	NEWBURYPORT APTS	1701 REED RD	FORT WAYNE	IN	46815
14178	INA20030147	WASHINGTON PLACE	4500 W WASHINGTON CTR RD	FORT WAYNE	IN	46818
14181	INA20040015	CAMERON COURT APTS II	10637 SEILER RD	NEW HAVEN	IN	46774
14209	INA20030050	CANTERBURY HOUSE APTS I (WARSAW)	100 ST AUGUSTINES DR	WARSAW	IN	46582
14210	INA20030055	CHESTNUT HILLS APTS	940 STEINMAN DR	FORT WAYNE	IN	46814
14215	INA19930148	PRESTWICK SQUARE OF FT WAYNE	502 PRESTWICK SQ DR	FORT WAYNE	IN	46816
14216	INA19930150	RETIRED TIGERS APTS	320 W MAIN ST	WARSAW	IN	46580
14268	INA20040035	WHITLEY MEADOWS APTS	984 E HANNA ST	COLUMBIA CITY	IN	46725
14293	INA20030067	FORT WAYNE RENAISSANCE HOMES	1320 SUMMIT ST	FORT WAYNE	IN	46803
14296	INA20030080	PRESTON POINTE AT INVERNESS CENTRE APTS	8075 PRESTON POINTE DR	FORT WAYNE	IN	46804
14324	INA20030146	VILLA CAPRI APTS	2015 FOX POINT TRAIL	FORT WAYNE	IN	46816
14348	INA20020067	NORTH SHAPLEIGH APTS	5527 LOIS LN	FORT WAYNE	IN	46804

Public Housing Buildings

OBJECTID	PARTICIPAN	FORMAL_PAR	PROJECT_NA	STD_ADDR	STD_CITY	STD_ST	STD_ZIP5
676	IN003	Fort Wayne Housing Authority	TALL OAKS	910 Harmar St	Fort Wayne	IN	46803
5428	IN003	Fort Wayne Housing Authority	TALL OAKS	1029 Ventura Ln	Fort Wayne	IN	46816
5429	IN003	Fort Wayne Housing Authority	TALL OAKS	3324 Turpie St	Fort Wayne	IN	46806
7955	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2551 River Cove Trl	Fort Wayne	IN	46825
11747	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2514 River Cove Trl	Fort Wayne	IN	46825
12261	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3516 Miami Ln	Fort Wayne	IN	46809
12346	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2111 Apache Ct	Fort Wayne	IN	46809
12347	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2027 Apache Ct	Fort Wayne	IN	46809
16191	IN003	Fort Wayne Housing Authority	TALL OAKS	2614 Evans St	Fort Wayne	IN	46806
20138	IN003	Fort Wayne Housing Authority	TALL OAKS	2603 Mauldin Dr	Fort Wayne	IN	46806
20653	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2106 Cheyenne Dr	Fort Wayne	IN	46809
26566	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2133 Ontario St	Fort Wayne	IN	46802
27546	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2827 Millbrook Dr	Fort Wayne	IN	46802
28410	IN003	Fort Wayne Housing Authority	TALL OAKS	3615 Rodgers Ave	Fort Wayne	IN	46803
35980	IN003	Fort Wayne Housing Authority	TALL OAKS	2511 Pittsburg St	Fort Wayne	IN	46803
37817	IN003	Fort Wayne Housing Authority	TALL OAKS	2917 Euclid Ave	Fort Wayne	IN	46806
37865	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	1405 Sinclair St	Fort Wayne	IN	46808
38122	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2750 Millbrook Dr	Fort Wayne	IN	46802
38123	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2714 Millbrook Dr	Fort Wayne	IN	46802
43285	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3606 Miami Ln	Fort Wayne	IN	46809
43360	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2715 Millbrook Dr	Fort Wayne	IN	46802
43395	IN003	Fort Wayne Housing Authority	TALL OAKS	2716 John St	Fort Wayne	IN	46806
43599	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2627 River Cove Trl	Fort Wayne	IN	46825
44041	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2613 River Cove Trl	Fort Wayne	IN	46825
45822	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2739 Millbrook Dr	Fort Wayne	IN	46802
45823	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2851 Millbrook Dr	Fort Wayne	IN	46802
46238	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2121 Apache Ct	Fort Wayne	IN	46809
48534	IN003	Fort Wayne Housing Authority	TALL OAKS	3704 E Rudisill Blvd	Fort Wayne	IN	46806
48535	IN003	Fort Wayne Housing Authority	TALL OAKS	926 Harmar St	Fort Wayne	IN	46803
54877	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2541 River Cove Trl	Fort Wayne	IN	46825
55279	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2839 Millbrook Dr	Fort Wayne	IN	46802
55841	IN003	Fort Wayne Housing Authority	TALL OAKS	2806 Weisser Park Ave	Fort Wayne	IN	46806
57564	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2612 River Cove Trl	Fort Wayne	IN	46825
59212	IN003	Fort Wayne Housing Authority	TALL OAKS	3320 Turpie St	Fort Wayne	IN	46806
60302	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	5210 Webster St	Fort Wayne	IN	46807
60907	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	1501 High St	Fort Wayne	IN	46808
61249	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2530 Carver Ct	Fort Wayne	IN	46802
61281	IN003	Fort Wayne Housing Authority	TALL OAKS	1123 Wabash Ave	Fort Wayne	IN	46803
70091	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2603 River Cove Trl	Fort Wayne	IN	46825
70092	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2515 River Cove Trl	Fort Wayne	IN	46825
70170	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	230 Cumberland Ave	Fort Wayne	IN	46805
70184	IN003	Fort Wayne Housing Authority	TALL OAKS	2517 Pittsburg St	Fort Wayne	IN	46803
78297	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2542 River Cove Trl	Fort Wayne	IN	46825
79709	IN003	Fort Wayne Housing Authority	TALL OAKS	2807 Abbott St	Fort Wayne	IN	46806
81814	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2011 Nuttman Ave	Fort Wayne	IN	46809
82208	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	5003 Hoagland Ave	Fort Wayne	IN	46807
84494	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3506 Miami Ln	Fort Wayne	IN	46809
84742	IN003	Fort Wayne Housing Authority	TALL OAKS	4701 Hanna St	Fort Wayne	IN	46806
85989	IN003	Fort Wayne Housing Authority	TALL OAKS	2825 John St	Fort Wayne	IN	46806
87841	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2738 Millbrook Dr	Fort Wayne	IN	46802
88152	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3515 Miami Ln	Fort Wayne	IN	46809
89651	IN003	Fort Wayne Housing Authority	South Side Senior Villas	7260 John St	Fort Wayne	IN	46816
89975	IN003	Fort Wayne Housing Authority	TALL OAKS	1129 Grant Ave	Fort Wayne	IN	46803
90029	IN003	Fort Wayne Housing Authority	TALL OAKS	3902 E Rudisill Blvd	Fort Wayne	IN	46806
94808	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	5320 Webster St	Fort Wayne	IN	46807
96400	IN003	Fort Wayne Housing Authority	TALL OAKS	918 Harmar St	Fort Wayne	IN	46803
102592	IN003	Fort Wayne Housing Authority	TALL OAKS	3428 Chestnut St	Fort Wayne	IN	46803
103017	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2003 Nuttman Ave	Fort Wayne	IN	46809
107016	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2531 River Cove Trl	Fort Wayne	IN	46825
108828	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2815 Millbrook Dr	Fort Wayne	IN	46802
114696	IN003	Fort Wayne Housing Authority	TALL OAKS	5601 Bowser Ave	Fort Wayne	IN	46806
116337	IN003	Fort Wayne Housing Authority	TALL OAKS	1314 Lumbard St	Fort Wayne	IN	46803
116847	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2826 Millbrook Dr	Fort Wayne	IN	46802
117211	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2608 Carver Ct	Fort Wayne	IN	46802
117754	IN003	Fort Wayne Housing Authority	BEACON HEIGHTS	2210 Beacon St Apt 111	Fort Wayne	IN	46805

117843	IN003	Fort Wayne Housing Authority	TALL OAKS	2727 Hanna St	Fort Wayne	IN	46806
125881	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3511 Miami Ln	Fort Wayne	IN	46809
126383	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2801 Millbrook Dr	Fort Wayne	IN	46802
131115	IN003	Fort Wayne Housing Authority	TALL OAKS	3007 Barr St	Fort Wayne	IN	46806
132527	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2838 Millbrook Dr	Fort Wayne	IN	46802
136900	IN003	Fort Wayne Housing Authority	TALL OAKS	5001 S Park Dr	Fort Wayne	IN	46806
140215	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2602 River Cove Trl	Fort Wayne	IN	46825
140355	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3526 Miami Ln	Fort Wayne	IN	46809
141481	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	822 Huffman St	Fort Wayne	IN	46808
142235	IN003	Fort Wayne Housing Authority	TALL OAKS	3517 Holton Ave	Fort Wayne	IN	46806
145987	IN003	Fort Wayne Housing Authority	TALL OAKS	805 E Fairfax Ave	Fort Wayne	IN	46806
146153	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	228 Cumberland Ave	Fort Wayne	IN	46805
146298	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2528 River Cove Trl	Fort Wayne	IN	46825
151415	IN003	Fort Wayne Housing Authority	TALL OAKS	2904 Gay St	Fort Wayne	IN	46806
153016	IN003	Fort Wayne Housing Authority	TALL OAKS	2210 Drexel Ave	Fort Wayne	IN	46806
153311	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3313 Alpine Ave	Fort Wayne	IN	46809
153753	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2622 River Cove Trl	Fort Wayne	IN	46825
156515	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2802 Millbrook Dr	Fort Wayne	IN	46802
163057	IN003	Fort Wayne Housing Authority	TALL OAKS	3012 Drexel Ave	Fort Wayne	IN	46806
167219	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	3616 Miami Ln	Fort Wayne	IN	46809
167387	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2702 Millbrook Dr	Fort Wayne	IN	46802
167630	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	5326 McClellan St	Fort Wayne	IN	46807
169465	IN003	Fort Wayne Housing Authority	TALL OAKS	3020 Central Dr	Fort Wayne	IN	46806
170340	IN003	Fort Wayne Housing Authority	TALL OAKS	902 Harmar St	Fort Wayne	IN	46803
172574	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2106 Apache Ct	Fort Wayne	IN	46809
172668	IN003	Fort Wayne Housing Authority	TALL OAKS	7288 Decatur Rd	Fort Wayne	IN	46816
172764	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	4906 Webster St	Fort Wayne	IN	46807
173716	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2505 Carlton Ct	Fort Wayne	IN	46802
173858	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2634 River Cove Trl	Fort Wayne	IN	46825
178108	IN003	Fort Wayne Housing Authority	TALL OAKS	7300 Decatur Rd Apt 311	Fort Wayne	IN	46816
178761	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2714 Greenview Ave	Fort Wayne	IN	46809
179372	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2418 River Cove Trl	Fort Wayne	IN	46825
180874	IN003	Fort Wayne Housing Authority	TALL OAKS	2725 Oxford St	Fort Wayne	IN	46806
181648	IN003	Fort Wayne Housing Authority	TALL OAKS	1101 Oak St	Fort Wayne	IN	46803
181748	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2410 River Cove Trl	Fort Wayne	IN	46825
183335	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2100 Saint Marys Ave Apt 411	Fort Wayne	IN	46808
184776	IN003	Fort Wayne Housing Authority	TALL OAKS	1520 E Creighton Ave	Fort Wayne	IN	46803
185902	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2701 Millbrook Dr	Fort Wayne	IN	46802
189220	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2007 Nuttman Ave	Fort Wayne	IN	46809
192505	IN003	Fort Wayne Housing Authority	NORTH HIGHLANDS	2503 River Cove Trl	Fort Wayne	IN	46825
194999	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2727 Millbrook Dr	Fort Wayne	IN	46802
196184	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2726 Millbrook Dr	Fort Wayne	IN	46802
196758	IN003	Fort Wayne Housing Authority	TALL OAKS	7284 Decatur Rd	Fort Wayne	IN	46816
196885	IN003	Fort Wayne Housing Authority	BROOKMILL COURT	2814 Millbrook Dr	Fort Wayne	IN	46802

Public Housing Developments

OBJECTID	PARTICIPAN	FORMAL_PAR	DEVELOPMEN	PROJECT_NA	STD_ADDR	STD_CITY	STD_ST	STD_ZIP5
1184	IN003	Fort Wayne Housing Authority	IN003000004	NORTH HIGHLANDS	2100 Saint Marys Ave Apt 411	Fort Wayne	IN	46808
2645	IN003	Fort Wayne Housing Authority	IN003000002	BROOKMILL COURT	2011 Nuttman Ave	Fort Wayne	IN	46809
5215	IN003	Fort Wayne Housing Authority	IN003000003	TALL OAKS	7300 Decatur Rd Apt 311	Fort Wayne	IN	46816
5686	IN003	Fort Wayne Housing Authority	IN003000008	South Side Senior Villas	7260 John St	Fort Wayne	IN	46816
5934	IN003	Fort Wayne Housing Authority	IN003000001	BEACON HEIGHTS	2210 Beacon St Apt 111	Fort Wayne	IN	46805

USDA Rural Housing

OBJECTID	PROJECT_NA	PRJ_ADDRES	PRJ_ADDR_3	PRJ_ADDR_4	PRJ_ADDR_5	TOTAL_UNIT	RENTAL_DES
1365	VALLEY FORGE II	3100 E. FRONTAGE RD.	WARSAW	IN	46580	28	FA - Family
1368	PIERCETON VILLAGE TRIMAC MANAGEMENT	421 S. VILLAGE STREET	PIERCETON	IN	46562	22	FA - Family
1383	STONERIDGE APTS. TRAVIS INVESTMENT LANDMARK MGMT	601 SOUTH BOURBON ST	BOURBON	IN	46504	24	FA - Family
1415	BLUE RIVER APTS I	904 BLUE RIVER DRIVE	COLUMBIA CITY	IN	46725	10	EL - Elderly
1416	BLUE RIVER APT II	904 BLUE RIVER DRIVE	COLUMBIA CITY	IN	46725	30	EL - Elderly
1417	PARK TERRACE II DEARDORF PROPERTY	10 PARK TERRACE BLVD	COLUMBIA CITY	IN	46725	56	FA - Family
1419	EEL RIVER MANOR	1ST STREET & STATE ROAD 5	SOUTH WHITLEY	IN	46787	20	FA - Family
8899	MULBERRY COURT APARTMENTS	423 MULBERRY COURT	MONROEVILLE	IN	46773	20	FA - Family
10051	PARK TERRACE HEIGHT AN INDIANA LTD PTNR	10 PARK TERRACE BLVD	COLUMBIA CITY	IN	46725	40	FA - Family
11735	VALLEY FORGE I	3100 E. FRONTAGE RD.	WARSAW	IN	46580	56	FA - Family
13009	BEYER FARM SENIOR	675 N COLFAX ST	WARSAW	IN	46580	24	EL - Elderly

Appendix D
Community Resources

HOUSING SUMMARY

		Study Area		Allen Co		Kosciusko Co		Marshall Co		Whitley Co		All County		Indiana	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
Total Population		18,321		375520		79156		46336		33899		534911		6696893	
Total Households		8,001		147043		31462		17430		13822		209757		2602770	
	Owner Occupied Housing Units	5,592		100935		23504		13061		11258		148758		1808293	
	Renter Occupied Housing Units	2,408		46108		7958		4369		2564		60999		794477	
Total Housing Units		8,640		159424		38817		20333		14911		233485		2903720	
Housing Units by Year Structure Built															
	Built 2014 or later	272	3%	3796	2.4%	1119	2.9%	296	1.5%	319	2.1%	5530	2.6%	84841	2.9%
	Built 2010 to 2013	220	3%	3042	1.9%	725	1.9%	369	1.8%	396	2.7%	4532	2.2%	69074	2.4%
	Built 2000 to 2009	1165	14%	17146	10.8%	4963	12.8%	1894	9.3%	2136	14.3%	26139	12.5%	346390	11.9%
	Built 1990 to 1999	1719	20%	22920	14.4%	5829	15.0%	3534	17.4%	2608	17.5%	34891	16.6%	426864	14.7%
	Built 1980 to 1989	1283	15%	17167	10.8%	4635	11.9%	2052	10.1%	1475	9.9%	25329	12.1%	286759	9.9%
	Built 1970 to 1979	1397	16%	24545	15.4%	5878	15.1%	2885	14.2%	1673	11.2%	34981	16.7%	400101	13.8%
	Built 1960 to 1969	815	9%	21543	13.5%	3126	8.1%	1304	6.4%	1343	9.0%	27316	13.0%	320466	11.0%
	Built 1950 to 1959	630	7%	18943	11.9%	3533	9.1%	2071	10.2%	1081	7.2%	25628	12.2%	315552	10.9%
	Built 1940 to 1949	176	2%	8783	5.5%	1721	4.4%	1183	5.8%	500	3.4%	12187	5.8%	166889	5.7%
	Built 1939 or earlier	963	11%	21539	13.5%	7288	18.8%	4745	23.3%	3380	22.7%	36952	17.6%	486784	16.8%
Median Year Structure Built		1983		1974		1976		1973		1977				1974	
Owner Occupied Housing Units by Year Householder Moved Into Unit															
	Moved in 2019 or later	313	3.9%	2660	1.8%	685	2.2%	305	1.7%	356	2.6%	4006	1.9%	43777	1.7%
	Moved in 2015 to 2018	1090	13.6%	19916	13.5%	4687	14.9%	1888	10.8%	1974	14.3%	28465	13.6%	322684	12.4%
	Moved in 2010 to 2014	911	11.4%	18922	12.9%	4001	12.7%	2092	12.0%	1996	14.4%	27011	12.9%	315497	12.1%
	Moved in 2000 to 2009	1450	18.1%	26639	18.1%	6275	19.9%	3367	19.3%	2958	21.4%	39239	18.7%	488786	18.8%
	Moved in 1990 to 1999	1008	12.6%	16811	11.4%	3773	12.0%	2746	15.8%	2075	15.0%	25405	12.1%	302767	11.6%
	Moved in 1989 or earlier	820	10.2%	15987	10.9%	4083	13.0%	2663	15.3%	1899	13.7%	24632	11.7%	334782	12.9%
Renter Occupied Housing Units by Year Householder Moved Into Unit															
	Moved in 2019 or later	339	4.2%	5221	3.6%	884	2.8%	233	1.3%	428	3.1%	6766	3.2%	82895	3.2%
	Moved in 2015 to 2018	1066	13.3%	23400	15.9%	3717	11.8%	2006	11.5%	1237	8.9%	30360	14.5%	417613	16.0%
	Moved in 2010 to 2014	435	5.4%	11795	8.0%	1896	6.0%	1363	7.8%	605	4.4%	15659	7.5%	181479	7.0%
	Moved in 2000 to 2009	153	1.9%	4144	2.8%	675	2.1%	440	2.5%	221	1.6%	5480	2.6%	78995	3.0%
	Moved in 1990 to 1999	104	1.3%	930	0.6%	442	1.4%	184	1.1%	16	0.1%	1572	0.7%	19498	0.7%
	Moved in 1989 or earlier	312	3.9%	618	0.4%	344	1.1%	143	0.8%	57	0.4%	1162	0.6%	13997	0.5%
Median Year Householder Moved Into Unit		2011		2011		2010		2008		2009				2011	
Owner Occupied Housing Units by Vehicles Available															
	No vehicle available	95	1.2%	2,332	1.60%	882	2.80%	530	3.04%	196	1.40%	3940		48152	1.90%
Renter Occupied Housing Units by Vehicles Available															
	No vehicle available	178	2.2%	6,133	4.20%	800	2.50%	495	2.84%	239	1.70%	7667		114,706	4.40%
Median Home Value		$ 146,051.00		$136,700		$153,500		$144,400		$151,900		$147,367		$148,900	

Source: U.S. Census Bureau, 2016-2020 American Community Survey

2016-2020 ACS Estimate: The American Community Survey (ACS) replaces census sample data. Esri is releasing the 2016-2020 ACS estimates, five-year period data collected monthly from January 1, 2016 through December 31, 2020. Although the ACS includes many of the subjects previously covered by the decennial census sample, there are significant differences between the two surveys including fundamental differences in survey design and residency rules.

2017 CENSUS OF AGRICULTURE County Profile

Allen County
Indiana

Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	1,548	-10
Land in farms (acres)	281,635	+4
Average size of farm (acres)	182	+16
Total	($)	
Market value of products sold	175,823,000	-6
Government payments	5,389,000	-14
Farm-related income	10,168,000	-14
Total farm production expenses	144,784,000	(Z)
Net cash farm income	46,596,000	-23
Per farm average	($)	
Market value of products sold	113,581	+4
Government payments		
(average per farm receiving)	7,372	+6
Farm-related income	15,643	-11
Total farm production expenses	93,530	+11
Net cash farm income	30,101	-15

2 Percent of state agriculture sales

Share of Sales by Type (%)

Crops	71
Livestock, poultry, and products	29

Land in Farms by Use (%) [a]

Cropland	89
Pastureland	2
Woodland	6
Other	4

Acres irrigated: 385

(Z)% of land in farms

Land Use Practices (% of farms)

No till	28
Reduced till	23
Intensive till	27
Cover crop	8

Farms by Value of Sales

	Number	Percent of Total [a]
Less than $2,500	513	33
$2,500 to $4,999	121	8
$5,000 to $9,999	180	12
$10,000 to $24,999	191	12
$25,000 to $49,999	154	10
$50,000 to $99,999	106	7
$100,000 or more	283	18

Farms by Size

	Number	Percent of Total [a]
1 to 9 acres	246	16
10 to 49 acres	654	42
50 to 179 acres	373	24
180 to 499 acres	137	9
500 to 999 acres	69	4
1,000 + acres	69	4

2017 CENSUS OF AGRICULTURE County Profile

Market Value of Agricultural Products Sold

	Sales ($1,000)	Rank in State [b]	Counties Producing Item	Rank in U.S. [b]	Counties Producing Item
Total	**175,823**	**21**	**92**	**629**	**3,077**
Crops	**125,056**	**13**	**92**	**408**	**3,073**
Grains, oilseeds, dry beans, dry peas	118,815	13	92	294	2,916
Tobacco	(D)	11	13	(D)	323
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	570	32	90	923	2,821
Fruits, tree nuts, berries	(D)	36	89	(D)	2,748
Nursery, greenhouse, floriculture, sod	3,130	9	87	499	2,601
Cultivated Christmas trees, short rotation woody crops	(D)	11	56	(D)	1,384
Other crops and hay	2,345	10	92	1,067	3,040
Livestock, poultry, and products	**50,768**	**24**	**92**	**929**	**3,073**
Poultry and eggs	3,678	33	92	656	3,007
Cattle and calves	20,138	5	92	787	3,055
Milk from cows	6,773	28	77	530	1,892
Hogs and pigs	18,569	19	92	282	2,856
Sheep, goats, wool, mohair, milk	225	11	92	708	2,984
Horses, ponies, mules, burros, donkeys	1,151	5	91	151	2,970
Aquaculture	-	-	18	-	1,251
Other animals and animal products	234	11	90	486	2,878

Total Producers [c] 2,544

Sex	
Male	1,790
Female	754
Age	
<35	313
35 – 64	1,538
65 and older	693
Race	
American Indian/Alaska Native	11
Asian	7
Black or African American	12
Native Hawaiian/Pacific Islander	3
White	2,504
More than one race	7
Other characteristics	
Hispanic, Latino, Spanish origin	29
With military service	170
New and beginning farmers	598

Percent of farms that:

Have internet access	66
Farm organically	1
Sell directly to consumers	6
Hire farm labor	17
Are family farms	95

Top Crops in Acres [d]

Soybeans for beans	134,685
Corn for grain	82,869
Wheat for grain, all	10,760
Forage (hay/haylage), all	9,018
Corn for silage or greenchop	790

Livestock Inventory (Dec 31, 2017)

Broilers and other meat-type chickens	70,355
Cattle and calves	13,513
Goats	1,183
Hogs and pigs	43,283
Horses and ponies	4,082
Layers	119,720
Pullets	15
Sheep and lambs	1,307
Turkeys	(D)

See 2017 Census of Agriculture, U.S. Summary and State Data, for complete footnotes, explanations, definitions, commodity descriptions, and methodology.
[a] May not add to 100% due to rounding. [b] Among counties whose rank can be displayed. [c] Data collected for a maximum of four producers per farm. [d] Crop commodity names may be shortened; see full names at www.nass.usda.gov/go/cropnames.pdf. [e] Position below the line does not indicate rank. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (Z) Less than half of the unit shown. (-) Represents zero.

2017 CENSUS OF AGRICULTURE *County Profile*

Kosciusko County
Indiana

Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	1,042	-16
Land in farms (acres)	261,674	+3
Average size of farm (acres)	251	+23
Total	($)	
Market value of products sold	298,032,000	+6
Government payments	8,572,000	+107
Farm-related income	8,402,000	(Z)
Total farm production expenses	233,874,000	+5
Net cash farm income	81,133,000	+14
Per farm average	($)	
Market value of products sold	286,019	+26
Government payments (average per farm receiving)	18,841	+194
Farm-related income	16,975	+4
Total farm production expenses	224,447	+25
Net cash farm income	77,863	+37

3 Percent of state agriculture sales

Share of Sales by Type (%)

Crops	42
Livestock, poultry, and products	58

Land in Farms by Use (%) [a]

Cropland	88
Pastureland	2
Woodland	6
Other	4

Acres irrigated: 30,091
11% of land in farms

Land Use Practices (% of farms)

No till	23
Reduced till	17
Intensive till	16
Cover crop	11

Farms by Value of Sales

	Number	Percent of Total [a]
Less than $2,500	373	36
$2,500 to $4,999	77	7
$5,000 to $9,999	111	11
$10,000 to $24,999	105	10
$25,000 to $49,999	69	7
$50,000 to $99,999	64	6
$100,000 or more	243	23

Farms by Size

	Number	Percent of Total [a]
1 to 9 acres	196	19
10 to 49 acres	383	37
50 to 179 acres	232	22
180 to 499 acres	100	10
500 to 999 acres	59	6
1,000 + acres	72	7

2017 CENSUS OF AGRICULTURE *County Profile*

Market Value of Agricultural Products Sold

	Sales ($1,000)	Rank in State [b]	Counties Producing Item	Rank in U.S. [b]	Counties Producing Item
Total	**298,032**	**4**	**92**	**256**	**3,077**
Crops	**125,266**	**11**	**92**	**404**	**3,073**
Grains, oilseeds, dry beans, dry peas	118,783	14	92	296	2,916
Tobacco	-	-	13	-	323
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	(D)	16	90	560	2,821
Fruits, tree nuts, berries	(D)	33	89	(D)	2,748
Nursery, greenhouse, floriculture, sod	660	33	87	965	2,601
Cultivated Christmas trees, short rotation woody crops	-	-	56	-	1,384
Other crops and hay	3,651	2	92	703	3,040
Livestock, poultry, and products	**172,766**	**6**	**92**	**247**	**3,073**
Poultry and eggs	88,762	5	92	167	3,007
Cattle and calves	14,579	7	92	997	3,055
Milk from cows	16,143	12	77	349	1,892
Hogs and pigs	52,101	9	92	115	2,856
Sheep, goats, wool, mohair, milk	174	21	92	889	2,984
Horses, ponies, mules, burros, donkeys	548	11	91	383	2,970
Aquaculture	-	-	18	-	1,251
Other animals and animal products	458	7	90	312	2,878

Total Producers [c] 1,803

Sex	
Male	1,192
Female	611
Age	
<35	199
35 – 64	1,084
65 and older	520
Race	
American Indian/Alaska Native	-
Asian	-
Black or African American	1
Native Hawaiian/Pacific Islander	-
White	1,799
More than one race	3
Other characteristics	
Hispanic, Latino, Spanish origin	12
With military service	124
New and beginning farmers	397

Percent of farms that:

Have internet access	**68**
Farm organically	**1**
Sell directly to consumers	**6**
Hire farm labor	**23**
Are family farms	**94**

Top Crops in Acres [d]

Corn for grain	101,074
Soybeans for beans	95,318
Forage (hay/haylage), all	9,024
Corn for silage or greenchop	4,221
Wheat for grain, all	4,068

Livestock Inventory (Dec 31, 2017)

Broilers and other meat-type chickens	478,694
Cattle and calves	18,773
Goats	337
Hogs and pigs	147,464
Horses and ponies	1,598
Layers	(D)
Pullets	2,010,858
Sheep and lambs	1,037
Turkeys	48

See 2017 Census of Agriculture, U.S. Summary and State Data, for complete footnotes, explanations, definitions, commodity descriptions, and methodology.
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2017 CENSUS OF AGRICULTURE County Profile

Marshall County
Indiana

Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	829	-6
Land in farms (acres)	199,083	-4
Average size of farm (acres)	240	+2
Total	($)	
Market value of products sold	145,167,000	-2
Government payments	5,212,000	+52
Farm-related income	5,228,000	-31
Total farm production expenses	115,276,000	-9
Net cash farm income	40,332,000	+24
Per farm average	($)	
Market value of products sold	175,112	+4
Government payments		
(average per farm receiving)	13,751	+73
Farm-related income	12,629	-39
Total farm production expenses	139,054	-3
Net cash farm income	48,651	+31

1 Percent of state agriculture sales

Share of Sales by Type (%)

Crops	65
Livestock, poultry, and products	35

Land in Farms by Use (%) [a]

Cropland	89
Pastureland	3
Woodland	5
Other	3

Acres irrigated: 16,533

8% of land in farms

Land Use Practices (% of farms)

No till	16
Reduced till	25
Intensive till	25
Cover crop	13

Farms by Value of Sales

	Number	Percent of Total [a]
Less than $2,500	275	33
$2,500 to $4,999	62	7
$5,000 to $9,999	78	9
$10,000 to $24,999	62	7
$25,000 to $49,999	68	8
$50,000 to $99,999	61	7
$100,000 or more	223	27

Farms by Size

	Number	Percent of Total [a]
1 to 9 acres	136	16
10 to 49 acres	260	31
50 to 179 acres	221	27
180 to 499 acres	108	13
500 to 999 acres	51	6
1,000 + acres	53	6

2017 CENSUS OF AGRICULTURE County Profile

Market Value of Agricultural Products Sold

	Sales ($1,000)	Rank in State [b]	Counties Producing Item	Rank in U.S. [b]	Counties Producing Item
Total	**145,167**	**31**	**92**	**789**	**3,077**
Crops	**94,581**	**32**	**92**	**596**	**3,073**
Grains, oilseeds, dry beans, dry peas	90,038	32	92	437	2,916
Tobacco	-	-	13	-	323
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	(D)	31	90	912	2,821
Fruits, tree nuts, berries	(D)	11	89	(D)	2,748
Nursery, greenhouse, floriculture, sod	826	27	87	906	2,601
Cultivated Christmas trees, short rotation woody crops	-	-	56	-	1,384
Other crops and hay	2,704	6	92	932	3,040
Livestock, poultry, and products	**50,586**	**25**	**92**	**935**	**3,073**
Poultry and eggs	7,862	25	92	579	3,007
Cattle and calves	7,180	19	92	1,462	3,055
Milk from cows	32,198	5	77	236	1,892
Hogs and pigs	1,272	65	92	585	2,856
Sheep, goats, wool, mohair, milk	(D)	19	92	(D)	2,984
Horses, ponies, mules, burros, donkeys	1,299	4	91	132	2,970
Aquaculture	-	-	18	-	1,251
Other animals and animal products	(D)	4	90	(D)	2,878

Total Producers [c] 1,370

Sex	
Male	913
Female	457
Age	
<35	175
35 – 64	809
65 and older	386
Race	
American Indian/Alaska Native	-
Asian	-
Black or African American	-
Native Hawaiian/Pacific Islander	-
White	1,370
More than one race	-
Other characteristics	
Hispanic, Latino, Spanish origin	26
With military service	124
New and beginning farmers	307

Percent of farms that:

Have internet access	63
Farm organically	2
Sell directly to consumers	7
Hire farm labor	25
Are family farms	96

Top Crops in Acres [d]

Corn for grain	80,176
Soybeans for beans	71,418
Forage (hay/haylage), all	9,731
Corn for silage or greenchop	2,919
Wheat for grain, all	1,807

Livestock Inventory (Dec 31, 2017)

Broilers and other meat-type chickens	177,823
Cattle and calves	20,681
Goats	382
Hogs and pigs	1,030
Horses and ponies	1,382
Layers	54,440
Pullets	280
Sheep and lambs	664
Turkeys	51

See 2017 Census of Agriculture, U.S. Summary and State Data, for complete footnotes, explanations, definitions, commodity descriptions, and methodology.
[a] May not add to 100% due to rounding. [b] Among counties whose rank can be displayed. [c] Data collected for a maximum of four producers per farm.
[d] Crop commodity names may be shortened; see full names at www.nass.usda.gov/go/cropnames.pdf. [e] Position below the line does not indicate rank.
(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (Z) Less than half of the unit shown. (-) Represents zero.

2017 CENSUS OF AGRICULTURE County Profile

Whitley County
Indiana

Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	696	-2
Land in farms (acres)	176,255	+26
Average size of farm (acres)	253	+28
Total	($)	
Market value of products sold	120,948,000	+21
Government payments	3,103,000	+26
Farm-related income	7,395,000	-9
Total farm production expenses	95,570,000	+24
Net cash farm income	35,876,000	+6
Per farm average	($)	
Market value of products sold	173,775	+23
Government payments (average per farm receiving)	8,718	+52
Farm-related income	17,993	-32
Total farm production expenses	137,314	+26
Net cash farm income	51,546	+9

1 Percent of state agriculture sales

Share of Sales by Type (%)

Crops	65
Livestock, poultry, and products	35

Land in Farms by Use (%) [a]

Cropland	87
Pastureland	2
Woodland	6
Other	5

Acres irrigated: 1,618

1% of land in farms

Land Use Practices (% of farms)

No till	25
Reduced till	29
Intensive till	13
Cover crop	8

Farms by Value of Sales

	Number	Percent of Total [a]
Less than $2,500	244	35
$2,500 to $4,999	60	9
$5,000 to $9,999	53	8
$10,000 to $24,999	85	12
$25,000 to $49,999	40	6
$50,000 to $99,999	57	8
$100,000 or more	157	23

Farms by Size

	Number	Percent of Total [a]
1 to 9 acres	69	10
10 to 49 acres	267	38
50 to 179 acres	182	26
180 to 499 acres	96	14
500 to 999 acres	28	4
1,000 + acres	54	8

2017 CENSUS OF AGRICULTURE *County Profile*

Market Value of Agricultural Products Sold

	Sales ($1,000)	Rank in State [b]	Counties Producing Item	Rank in U.S. [b]	Counties Producing Item
Total	**120,948**	**40**	**92**	**967**	**3,077**
Crops	**78,922**	**47**	**92**	**736**	**3,073**
Grains, oilseeds, dry beans, dry peas	76,521	42	92	522	2,916
Tobacco	-	-	13	-	323
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	296	40	90	1,131	2,821
Fruits, tree nuts, berries	(D)	(D)	89	(D)	2,748
Nursery, greenhouse, floriculture, sod	(D)	26	87	(D)	2,601
Cultivated Christmas trees, short rotation woody crops	(D)	56	56	631	1,384
Other crops and hay	1,202	29	92	1,705	3,040
Livestock, poultry, and products	**42,025**	**32**	**92**	**1,074**	**3,073**
Poultry and eggs	(D)	34	92	(D)	3,007
Cattle and calves	5,495	29	92	1,643	3,055
Milk from cows	5,236	30	77	587	1,892
Hogs and pigs	27,522	15	92	215	2,856
Sheep, goats, wool, mohair, milk	48	67	92	1,775	2,984
Horses, ponies, mules, burros, donkeys	937	6	91	203	2,970
Aquaculture	-	-	18	-	1,251
Other animals and animal products	(D)	10	90	(D)	2,878

Total Producers [c] 1,165

Sex	
Male	747
Female	418
Age	
<35	127
35 – 64	676
65 and older	362
Race	
American Indian/Alaska Native	6
Asian	-
Black or African American	-
Native Hawaiian/Pacific Islander	-
White	1,156
More than one race	3
Other characteristics	
Hispanic, Latino, Spanish origin	4
With military service	84
New and beginning farmers	274

Percent of farms that:

Have internet access	78
Farm organically	-
Sell directly to consumers	6
Hire farm labor	22
Are family farms	97

Top Crops in Acres [d]

Soybeans for beans	74,308
Corn for grain	60,112
Wheat for grain, all	6,905
Forage (hay/haylage), all	5,485
Corn for silage or greenchop	1,394

Livestock Inventory (Dec 31, 2017)

Broilers and other meat-type chickens	420
Cattle and calves	11,507
Goats	395
Hogs and pigs	92,600
Horses and ponies	976
Layers	2,066
Pullets	62
Sheep and lambs	342
Turkeys	15

See 2017 Census of Agriculture, U.S. Summary and State Data, for complete footnotes, explanations, definitions, commodity descriptions, and methodology.
[a] May not add to 100% due to rounding. [b] Among counties whose rank can be displayed. [c] Data collected for a maximum of four producers per farm. [d] Crop commodity names may be shortened; see full names at www.nass.usda.gov/go/cropnames.pdf. [e] Position below the line does not indicate rank. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (Z) Less than half of the unit shown. (-) Represents zero.

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated July 2020)

Project Number	Sub Project Code	County	Property	Located in Project area
1800030	1800030	Allen	Franke Park	No
1800032	1800032	Allen	Kreager Park (Maumee Park)	No
1800067	1800067	Allen	Fox Island Co. Park & Nature Preserve	No
1800097	1800097	Allen	Jury Memorial Park and Pool	No
1800105	1800105	Allen	Franke Park	No
1800153	1800153	Allen	Moser Park	No
1800188	1800188	Allen	Franke Park	No
1800201	1800201	Allen	Foster Park & Golf Course	No
1800315	1800315	Allen	Fox Island Co. Park & Nature Preserve	No
1800369	1800369A	Allen	Fox Island Co. Park & Nature Preserve	No
1800369	1800369N	Allen	Franke Park	No
1800369	1800369K	Allen	Moser Park	No
1800371	1800371	Allen	Jehl Park	No
1800392	1800392	Allen	Havenhurst Park	No
1800396	1800396	Allen	St. Marys River Greenway	No
1800408	1800408	Allen	Cooks Landing Roadside Park	No
1800419	1800419	Allen	St. Marys River Greenway	No
1800465	1800465	Allen	St. Marys River Greenway	No
1800469	1800469	Allen	St. Marys River Greenway	No
1800500	1800500	Allen	Grabill Community Park	No
1800526	1800526	Allen	Buckner Farm Park	No
1800527	1800527	Allen	Matea Park	No
1800570	1800570	Allen	Kreager Park	No
1800577	1800577	Allen	Riverside Gardens Park	No
1800602	1800602	Allen	Shoaff Park	No
1800609	1800609	Allen	Monroeville Community Park	No
1800614	1800614	Allen	Archbold Wilson Memorial Park	No

Project Number	Sub Project Code	County	Property	Located in Project area
1800619	1800619	Allen	Payton County Park	No
1800621	1800621	Allen	Jury Park	Yes
1800634	1800634	Allen	Buckner Park	No
1800240	1800240	Kosciusko	Pierceton Community Park	No
1800262	1800262	Kosciusko	Pierceton Community Park	No
1800289	1800289	Kosciusko	Kelly Park	No
1800320	1800320	Kosciusko	Winona Lake Park	No
1800321	1800321	Kosciusko	Lucerne Park and YMCA Camp Lucerne	No
1800322	1800322	Kosciusko	Levin Salvage Yard/Bixler Park	No
1800405	1800405I	Kosciusko	Dewart Lake Public Access Site	No
1800420	1800420	Kosciusko	North Webster Town Park	No
1800508	1800508	Kosciusko	Southtown Shores Park	No
1800104	1800104	Marshall	Centennial Park & Plymouth Municipal Pool	No
1800259	1800259	Marshall	Centennial Park & Plymouth Municipal Pool	No
1800341	1800341	Marshall	Sunnyside Park	No
1800357	1800357	Marshall	Centennial Park & Plymouth Municipal Pool	No
1800359	1800359	Marshall	Packard Woods Park	No
1800388	1800388	Marshall	Argos Town Park	No
1800405	1800405P	Marshall	Menominee Wetlands Conservation Area	No
1800418	1800418	Marshall	Culver Park & Beach	No
1800565	1800565	Marshall	Argos Community Park	No
1800630	1800630	Marshall	Pond Park	No
1800149	1800149	Whitley	Churubusco Community Park	No
1800242	1800242	Whitley	Morsches Park	No
1800252	1800252	Whitley	Churubusco Community Park	No
1800261	1800261	Whitley	Morsches Park	No
1800304	1800304C	Whitley	Crooked Lake	No
1800427	1800427	Whitley	Morsches Park	Yes
1800457	1800457	Whitley	Gale Hagan Memorial Park	No

Project Number	Sub Project Code	County	Property	Located in Project area
1800483	1800483	Whitley	Deniston Fish and Wildlife Area	No
1800525	1800525	Whitley	Kenneth Wright Park	No

*Park names may have changed. If acquisition of publicly owned land or impacts to publicly owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

Appendix E
Natural Resources

Streams in Study Area

Stream Name	Length in study area(ft)	Stream Type	Midpoint Lat, Long
UNT WHITE DITCH	344.49	Perennial	40.9995831111, -84.8123826981
UNT DEEDS CREEK	2788.71	Perennial	41.2463006499, -85.8273397655
UNT POLE RUN DITCH	1545.28	Canal/Ditch	41.2587980506, -85.9629157547
TIPPECANOE RIVER	931.76	Artificial Path	41.2693917362, -85.8634396829
UNT EEL RIVER	2221.13	Canal/Ditch	41.1509753863, -85.4437753002
UNT MARTIN DITCH	3697.51	Canal/Ditch	41.0571903772, -84.9606927727
FLATROCK CREEK	15810.37	Perennial	41.0039436493, -84.8555093757
UNNAMED TRIBUTARY	298.56	Artificial Path	41.1799852698, -85.5671416441
UNT POLE RUN DITCH	4658.79	Canal/Ditch	41.2677594603, -85.9543122771
SCHUMAN DITCH	1213.91	Canal/Ditch	41.1712206275, -85.5850237507
SCHUMAN DITCH	2903.54	Canal/Ditch	41.178307458, -85.5931276095
UNT SCHUMAN DITCH	492.13	Canal/Ditch	41.1718967042, -85.5848407138
UNT DEEDS CREEK	885.83	Intermittent	41.2283595945, -85.8035119004
PHILLIPS DITCH	6204.07	Intermittent	41.16569921, -85.5091497205
UNT EEL RIVER	4596.46	Intermittent	41.1496410118, -85.438136505
UNT DEEDS CREEK	246.06	Perennial	41.2575933798, -85.8426969666
BROWN DITCH	4898.29	Perennial	41.1815188728, -85.5537992517
UNT SCHUMAN DITCH	751.31	Artificial Path	41.1743685698, -85.5830047438
KALER BRANCH	741.47	Artificial Path	41.1735982232, -85.62302027
UNT DEEDS CREEK	2358.92	Perennial	41.2301872775, -85.788746004
POLE RUN DITCH	1561.68	Perennial	41.2720476653, -85.960187261
MCHENRY DITCH	15026.25	Perennial	41.032029165, -84.926423321
GANGWER DITCH	1788.06	Canal/Ditch	41.1197949638, -85.3656838797
LONES DITCH	2483.60	Perennial	41.2627457294, -85.8572820656
UNT MARTIN DITCH	4373.36	Intermittent	41.0405047986, -84.9123492274
MOSSMAN DITCH	1706.04	Canal/Ditch	41.1343492336, -85.4312852305
UNT DEEDS CREEK	2152.23	Intermittent	41.2307269487, -85.8076916754
MOSSMAN DITCH	2083.33	Canal/Ditch	41.1316042649, -85.4118452652
UNT SEEGAR DITCH	305.12	Intermittent	41.1248651735, -85.2363746104
UNT DEEDS CREEK	1948.82	Artificial Path	41.2507281777, -85.8365072598
TIPPECANOE RIVER	3612.20	Perennial	41.2741916144, -85.8655628992
UNT SCHUMAN DITCH	810.37	Canal/Ditch	41.1708770557, -85.5841596177
MARTIN DITCH	10790.68	Perennial	41.0656996308, -84.9817905072
UNT LOWTHER NEUHAUS DITCH	1407.48	Connector	41.1173269029, -85.1933061442
UNT EEL RIVER	3172.57	Canal/Ditch	41.1543632115, -85.4501894072
SORGEN DITCH	11748.69	Intermittent	41.0041238461, -84.8318654546
UNT SPY RUN CREEK	7431.10	Intermittent	41.1292777986, -85.1911188176
UNT GANGWER DITCH	9973.75	Perennial	41.0698915018, -84.9976000606
GANGWER DITCH	1942.26	Canal/Ditch	41.119644169, -85.37002856
ROBINSON DITCH	10882.55	Canal/Ditch	41.2677204022, -86.00116355
MARTIN DITCH	6519.03	Intermittent	41.0382385391, -84.9036737063
UNT LONES DITCH	265.75	Perennial	41.2626129361, -85.85229741
UNT DEEDS CREEK	1843.83	Artificial Path	41.2599719599, -85.8494329938
UNT DEEDS CREEK	1597.77	Intermittent	41.2431157074, -85.821605486
MOWREY DITCH	13188.98	Intermittent	41.1359702869, -85.3975350382
SEEGAR DITCH	242.78	Canal/Ditch	41.1247712606, -85.2471144338
UNNAMED TRIBUTARY	515.09	Artificial Path	41.1797656694, -85.5646211771
WHITE DITCH	6942.26	Intermittent	40.996857719, -84.8221961592
EEL RIVER	3362.86	Perennial	41.152376076, -85.4454567249
UNT SEEGAR DITCH	2965.88	Intermittent	41.1307766011, -85.260076641
UNT DANNER DITCH	944.88	Intermittent	41.269773659, -86.024484249

SEEGAR DITCH	6689.63	Canal/Ditch	41.1294635831, -85.2450410126
UNT SEEGAR DITCH	3083.99	Canal/Ditch	41.1276825676, -85.2403395838
UNT POLE RUN DITCH	305.12	Canal/Ditch	41.2588134758, -85.9620992048
UNT SHANTON DITCH	1564.96	Intermittent	41.2107082395, -85.701669786
UNT LONES DITCH	108.27	Artificial Path	41.2621839142, -85.8503634331
RYAN DITCH	2545.93	Intermittent	41.0470416693, -84.9420960101
UNT SPY RUN CREEK	7706.69	Intermittent	41.1280570851, -85.1962113973
UNT DEEDS CREEK	2496.72	Intermittent	41.2302002579, -85.8121050597
POLE RUN DITCH	288.71	Perennial	41.2690447607, -85.9614357
BLUE RIVER	16325.46	Perennial	41.1647493535, -85.4723103745
TIPPECANOE RIVER	127.95	Perennial	41.2648765524, -85.8645709763
UNT SEEGAR DITCH	6102.36	Intermittent	41.1199688033, -85.3035659906
UNT LONES DITCH	19.69	Perennial	41.2622841696, -85.8504999101
UNT GROMEAUX DITCH	3887.80	Canal/Ditch	41.0293095927, -84.8833753516
UNT DEEDS CREEK	1394.36	Artificial Path	41.2496259481, -85.8326990303
UNT LONES DITCH	118.11	Perennial	41.2619876668, -85.8627223586
UNT MATHIAS DITCH	3645.01	Intermittent	41.1840106592, -85.6324759721
UNT GANGWER DITCH	1377.95	Canal/Ditch	41.1261426585, -85.3703130322
HICKMAN DITCH	764.44	Perennial	41.2681355429, -85.8334960419
SPRING CREEK	11922.57	Perennial	41.1737902422, -85.5543113102
KNISELY DITCH	4553.81	Canal/Ditch	41.1633091892, -85.5422546834
SCHUMAN DITCH	8021.65	Perennial	41.1820222809, -85.5912086446
UNT GRASSY CREEK	580.71	Intermittent	41.1916213232, -85.6511606486
UNT LOWTHER NEUHAUS DITCH	4534.12	Perennial	41.1157582356, -85.1916456272
FELGER DITCH	928.48	Intermittent	41.1259233386, -85.2939620257
UNT SEEGAR DITCH	3159.45	Intermittent	41.1224763003, -85.2315665731
UNT SEEGAR DITCH	6463.25	Canal/Ditch	41.1187661237, -85.2638352968
UNT SEEGAR DITCH	1761.81	Canal/Ditch	41.12727863, -85.2570851423
ELON MAYNARD DITCH	6824.15	Canal/Ditch	41.186121806, -85.6196416057
UNT SOLON DITCH	3677.82	Canal/Ditch	41.1326859218, -85.3242551701
SCHUMAN DITCH	5921.92	Canal/Ditch	41.1706259916, -85.5924884351
ROBINSON DITCH	187.01	Artificial Path	41.2698613748, -85.990461868
EEL RIVER	593.83	Perennial	41.1504538235, -85.4481959215
RYAN DITCH	7293.31	Perennial	41.0496733286, -84.9455139002
UNT DEEDS CREEK	1604.33	Intermittent	41.2284963695, -85.7852587467
UNT SEEGAR DITCH	856.30	Intermittent	41.1241164818, -85.2484767057
FLATROCK CREEK	17900.26	Perennial	41.0106805758, -84.8504369518
UNT SHANTON DITCH	2755.91	Intermittent	41.2029236097, -85.6842766313
UNT TIPPECANOE RIVER	380.58	Perennial	41.2647082998, -85.8639181884
LONES DITCH	42.65	Artificial Path	41.2625184502, -85.8618552125
BOHNKE DITCH	4209.32	Perennial	41.0170348521, -84.8787465037
UNT SCHUMAN DITCH	4986.88	Intermittent	41.1745552648, -85.6062426509
UNT HICKMAN DITCH	367.45	Perennial	41.2623550844, -85.8511899686
MOSSMAN DITCH	3832.02	Canal/Ditch	41.1341016527, -85.4220973066
UNT SEEGAR DITCH	675.85	Canal/Ditch	41.1243810523, -85.244931953
UNT SEEGAR DITCH	1131.89	Perennial	41.1234179142, -85.25196963
SEEGAR DITCH	4612.86	Canal/Ditch	41.1208914107, -85.2463033219
SEEGAR DITCH	423.23	Canal/Ditch	41.1241012859, -85.2463889682
GROMEAUX DITCH	3851.71	Canal/Ditch	41.0368742145, -84.8973818452
ERWIN DITCH	4238.85	Intermittent	41.2948939903, -86.082788422
UNT DEEDS CREEK	390.42	Intermittent	41.2319727293, -85.8119025369
UNT LONES DITCH	564.30	Artificial Path	41.2619333715, -85.8619899119
UNT SPY RUN CREEK	2381.89	Perennial	41.1268347861, -85.1825101026
SOLON DITCH	2070.21	Canal/Ditch	41.1234442567, -85.3311273404

UNT WHITE DITCH	1253.28	Intermittent	40.998590357, -84.8107194347
UNNAMED TRIBUTARY	8822.18	Intermittent	41.1907066109, -85.6673525121
MAYNARD DITCH	7470.47	Canal/Ditch	41.1700113358, -85.5349566654
EEL RIVER	11482.94	Perennial	41.146392099, -85.4526716362
TIPPECANOE RIVER	4169.95	Perennial	41.2657804998, -85.8597031454
SCOTT DITCH	5567.59	Intermittent	41.0026591722, -84.8517779295
LEMER-BERGER DITCH	11610.89	Perennial	41.2976495523, -86.0804739173
UNT MOSSMAN DITCH	5839.90	Canal/Ditch	41.1328771887, -85.4203236531
TIPPECANOE RIVER	1397.64	Perennial	41.2633309578, -85.863282028
BLUE RIVER	2837.93	Perennial	41.17261232, -85.4668647297
ROBINSON DITCH	91.86	Canal/Ditch	41.2697054654, -85.990044554
UNT LONES DITCH	223.10	Perennial	41.2623126362, -85.8622806433
UNT DEEDS CREEK	439.63	Intermittent	41.2323011099, -85.8133480634
WHITE DITCH	5187.01	Perennial	41.0045876147, -84.8205667694
UNT SCHUMAN DITCH	921.92	Perennial	41.1768724583, -85.5982852152
UNT MATHIAS DITCH	7083.33	Intermittent	41.1917099361, -85.6479873176
FELGER DITCH	4399.61	Canal/Ditch	41.1227745822, -85.2893881815
UNT MATHIAS DITCH	68.90	Intermittent	41.1910809695, -85.6501918438
RIDENOUR DITCH	12234.25	Perennial	41.2909926594, -86.0610282559
COUNTY FARM DITCH	10931.76	Perennial	41.1621447234, -85.538345619
UNT POLE RUN DITCH	344.49	Canal/Ditch	41.2587032003, -85.9609247751
UNT DEEDS CREEK	3674.54	Intermittent	41.2234154058, -85.7816545926
POLE RUN DITCH	269.03	Perennial	41.2697677695, -85.961139943
UNT MATHIAS DITCH	164.04	Perennial	41.1876793364, -85.6355308441
UNNAMED TRIB. (OH BORDER)	1929.13	Perennial	40.9941503262, -84.8035749951
SOLON DITCH	3034.78	Canal/Ditch	41.1293590207, -85.332875866
UNT SHANTON DITCH	3684.38	Intermittent	41.2126554982, -85.7094784882
UNT MATHIAS DITCH	4914.70	Perennial	41.1892341008, -85.6368302456
HICKMAN DITCH	2608.27	Perennial	41.2667830943, -85.8375161037
DANNER DITCH	6492.78	Perennial	41.2736198532, -86.0187909859
WHITE DITCH	311.68	Intermittent	41.0007960746, -84.820551193
UNT SCHUMAN DITCH	6860.24	Perennial	41.1816651992, -85.6057884702
UNT LOWTHER NEUHAUS DITCH	5967.85	Intermittent	41.1219552997, -85.2040229689
DANNER DITCH	6614.17	Perennial	41.2815510888, -86.033468879
DEEDS CREEK	357.61	Perennial	41.2577235889, -85.8429902841
RAY DITCH	6847.11	Intermittent	41.0145503877, -84.8638454347
MCCARTER DITCH	4288.06	Perennial	41.2194217151, -85.7474475814
POLE RUN DITCH	1519.03	Perennial	41.2664955186, -85.9616917765
HENRY BANDELIER DITCH	3687.66	Intermittent	41.0690021906, -84.9912905973
POLE RUN DITCH	705.38	Perennial	41.2640904968, -85.9606573097
DANNER DITCH	1840.55	Perennial	41.2687301298, -86.0255012183
SOLON DITCH	8031.50	Canal/Ditch	41.1330160492, -85.3308984859
HUFFER DITCH	11220.47	Canal/Ditch	41.264451588, -85.9332967462
DEEDS CREEK	12624.67	Perennial	41.2175224864, -85.7579286369
DANNER DITCH	10085.30	Perennial	41.2875438094, -86.0424280853
DEEDS CREEK	328.08	Perennial	41.2579701766, -85.8462049375
POLE RUN DITCH	1207.35	Perennial	41.2586133561, -85.9603050648
POLE RUN DITCH	695.54	Perennial	41.262251036, -85.9602457433
RYAN DITCH	2270.34	Canal/Ditch	41.0464310781, -84.9497327683
POLE RUN DITCH	65.62	Perennial	41.2587725696, -85.96029551
DEEDS CREEK	485.56	Artificial Path	41.2577305789, -85.847371764
DEEDS CREEK	538.06	Perennial	41.2578659028, -85.8446218439
DEEDS CREEK	12106.30	Perennial	41.2603073812, -85.8335496485
POLE RUN DITCH	898.95	Perennial	41.2600815423, -85.9602466275

UNT TIPPECANOE RIVER	8372.70	Canal/Ditch	41.2669921241, -85.8898547847
UNT DEEDS CREEK	1122.05	Intermittent	41.2290910221, -85.7826386185
UNT DEEDS CREEK	3914.04	Intermittent	41.2375324562, -85.8163825852
UNT GANGWER DITCH	2267.06	Canal/Ditch	41.1222504858, -85.366784785
BLUE BABE BRANCH	5354.33	Perennial	41.1737201175, -85.46948539
UNT LONES DITCH	925.20	Perennial	41.2686889364, -85.8414872104
RYAN DITCH	2411.42	Intermittent	41.0468130751, -84.9573432844
UNT LONES DITCH	22.97	Artificial Path	41.2624975362, -85.8619441767
UNT MOSSMAN DITCH	1456.69	Canal/Ditch	41.1368428391, -85.426633476
MOSSMAN DITCH	4524.28	Canal/Ditch	41.134027213, -85.4354052208
SPRING CREEK	5416.67	Perennial	41.1813145848, -85.5521823975
REHLING DITCH	3907.48	Canal/Ditch	41.1194046955, -85.3614720389
UNT MOSSMAN DITCH	948.16	Canal/Ditch	41.1237216912, -85.2554929495
DEEDS CREEK	26909.45	Perennial	41.2130558881, -85.731060055
UNT DEEDS CREEK	252.62	Artificial Path	41.245427503, -85.8228109433
UNT TIPPECANOE RIVER	1896.33	Artificial Path	41.2645102038, -85.8600154072
TIPPECANOE RIVER	150.92	Perennial	41.2615866691, -85.8628983085
HICKMAN DITCH	5636.48	Perennial	41.2689422137, -85.8497581536
HOFFMAN CREEK	6190.94	Perennial	41.0212143345, -84.8715744197
UNNAMED TRIBUTARY	360.89	Perennial	41.1796125843, -85.5661958513
UNT LONES DITCH	144.36	Perennial	41.262199236, -85.8499468102
UNT ROBINSON DITCH	4041.99	Artificial Path	41.2703146704, -85.9887395922
UNT SEEGAR DITCH	170.60	Canal/Ditch	41.125145098, -85.2356229141
UNT WHITE DITCH	2414.70	Intermittent	40.9993973603, -84.81669098
UNT DEEDS CREEK	2345.80	Artificial Path	41.2560830687, -85.8426594512
UNT SCHUMAN DITCH	961.29	Perennial	41.1721260936, -85.5828065765
TIPPECANOE RIVER	101.71	Perennial	41.2617209341, -85.862859681
HOFFMAN CREEK	12312.99	Perennial	41.0215897601, -84.8840785909
UNT TIPPECANOE RIVER	324.80	Perennial	41.261585516, -85.8628932493

Impaired Streams

Stream Name	County	Do	Ecoli	Ibc	Pcbs_Ft	Recr	Alus	Fish	Impair ments	Feet within study area
Solon Ditch	Whitley Co			5a		3	5a	3	1	3451.437319
Gangwer Ditch	Whitley Co			5a		3	5a	3	1	1378.432745
Gangwer Ditch	Whitley Co			5a		3	5a	3	1	615.7582613
Phillips Ditch	Whitley Co			5a		3	5a	3	1	1108.281115
(Elon) Maynard Ditch	Whitley Co			5a		3	5a	3	1	3800.958791
Eel River	Whitley Co		5a	5a		5a	5a	3	2	2021.798793
Mowrey Ditch	Whitley Co			5a		3	5a	3	1	2807.598982
Schuman Ditch	Whitley Co			5a		3	5a	3	1	825.7480328
(Unt) Schuman Ditch	Whitley Co			5a		3	5a	3	1	209.1209605
Schuman Ditch	Whitley Co			5a		3	5a	3	1	2527.59324
(Unt) Eel River	Whitley Co		5a	5a		5a	5a	3	2	929.6999191
Seegar Ditch	Allen Co	5a	5a			5a	5a	3	2	423.2972876
Seegar Ditch	Allen Co	5a	5a			5a	5a	3	2	1509.080007
Seegar Ditch - Unnamed Tributary	Allen Co		5a			5a	3	3	1	5310.022166
Seegar Ditch - Unnamed Tributary	Allen Co		5a			5a	3	3	1	4118.960847
Seegar Ditch	Allen Co	5a	5a			5a	5a	3	2	324.5412921
Deeds Creek	Kosciusko Co		5a			5a	2	3	1	1017.553809
Tippecanoe River	Kosciusko Co				5b	3	3	5b	1	3757.39616
Gromeaux Ditch	Allen Co			5a		3	5a	3	1	306.6450231
Flatrock Creek	Allen Co	5a		5a		3	5a	3	2	3017.201849
(Unt) Spy Run Creek	Allen Co		4a			4a	3	3	1	4899.37879
(Unt) Lowther Neuhaus Ditch (Not Confirmed)	Allen Co		4a	5a		4a	5a	3	2	2611.579663
(Unt) Spy Run Creek	Allen Co		4a			4a	3	3	1	1209.718587

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Indiana Ecological Services Field Office
620 South Walker Street
Bloomington, IN 47403-2121
Phone: (812) 334-4261 Fax: (812) 334-4273

In Reply Refer To: December 14, 2022
Project Code: 2023-0025278
Project Name: ProPEL US 30 East

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - http://www.fws.gov/midwest/endangered/section7/s7process/index.html. This website contains step-by-step instructions which will help you determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process. For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of

Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.**

Note: IPaC has provided all available attachments because this project is in multiple field office jurisdictions.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Indiana Ecological Services Field Office
620 South Walker Street
Bloomington, IN 47403-2121
(812) 334-4261

This project's location is within the jurisdiction of multiple offices. However, only one species list document will be provided for all offices. The species and critical habitats in this document reflect the aggregation of those that fall in each of the affiliated office's jurisdiction. Other offices affiliated with the project:

Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
(614) 416-8993

Project Summary

Project Code: 2023-0025278
Project Name: ProPEL US 30 East
Project Type: Road/Hwy - Maintenance/Modification
Project Description: The ProPEL US 30 east study area extends from Beech Road in Marshall County to the Indiana/Ohio state line in Allen County, with the exclusion that portions of I-69 and I-469 around the north side of Fort Wayne are excluded from the study. Conducting separate studies will allow INDOT to gather relevant information from each community. Then, the solutions offered will be tailored to the needs of the specific area. Feedback from residents, motorists, businesses and others is vital to the success of the studies. ProPEL US 30 will seek input through a variety of means, including in-person and virtual public meetings to align goals and establish a shared vision for US 30 and US 31.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@41.2069508,-85.72523550415025,14z

Counties: Indiana and Ohio

Endangered Species Act Species

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Indiana Bat *Myotis sodalis* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Reptiles

NAME	STATUS
Copperbelly Water Snake *Nerodia erythrogaster neglecta* Population: Indiana north of 40 degrees north latitude, Michigan, Ohio No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7253	Threatened

Clams

NAME	STATUS
Clubshell *Pleurobema clava* Population: Wherever found; Except where listed as Experimental Populations No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3789	Endangered
Rayed Bean *Villosa fabalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5862	Endangered

Insects

NAME	STATUS
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

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1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Aug 31
Black Tern *Chlidonias niger* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3093	Breeds May 15 to Aug 20

NAME	BREEDING SEASON
Black-billed Cuckoo *Coccyzus erythropthalmus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Bobolink *Dolichonyx oryzivorus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31
Canada Warbler *Cardellina canadensis* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cerulean Warbler *Dendroica cerulea* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 21 to Jul 20
Chimney Swift *Chaetura pelagica* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Golden Eagle *Aquila chrysaetos* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds elsewhere
Golden-winged Warbler *Vermivora chrysoptera* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8745	Breeds May 1 to Jul 20
Henslow's Sparrow *Ammodramus henslowii* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3941	Breeds May 1 to Aug 31
Hudsonian Godwit *Limosa haemastica* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Kentucky Warbler *Oporornis formosus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 20
Lesser Yellowlegs *Tringa flavipes* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere

NAME	BREEDING SEASON
Prothonotary Warbler *Protonotaria citrea* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
Red-headed Woodpecker *Melanerpes erythrocephalus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Ruddy Turnstone *Arenaria interpres morinella* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Rusty Blackbird *Euphagus carolinus* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Short-billed Dowitcher *Limnodromus griseus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Upland Sandpiper *Bartramia longicauda* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9294	Breeds May 1 to Aug 31
Wood Thrush *Hylocichla mustelina* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for

that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

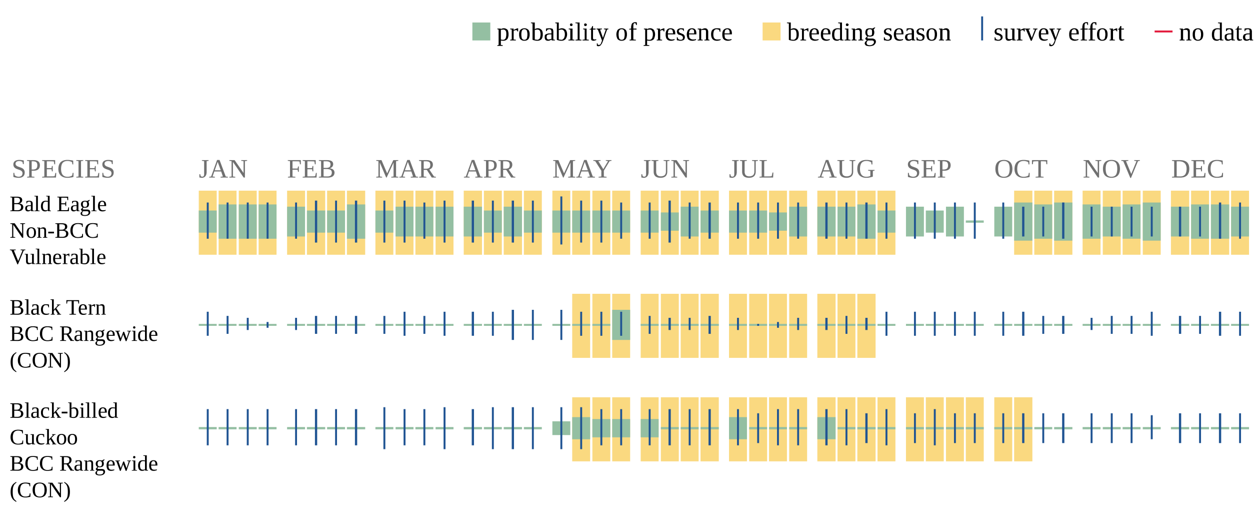
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Bobolink
BCC Rangewide
(CON)

Canada Warbler
BCC Rangewide
(CON)

Cerulean Warbler
BCC Rangewide
(CON)

Chimney Swift
BCC Rangewide
(CON)

Golden Eagle
Non-BCC
Vulnerable

Golden-winged Warbler
BCC Rangewide
(CON)

Henslow's Sparrow
BCC Rangewide
(CON)

Hudsonian Godwit
BCC Rangewide
(CON)

Kentucky Warbler
BCC Rangewide
(CON)

SPECIES

Lesser Yellowlegs
BCC Rangewide
(CON)

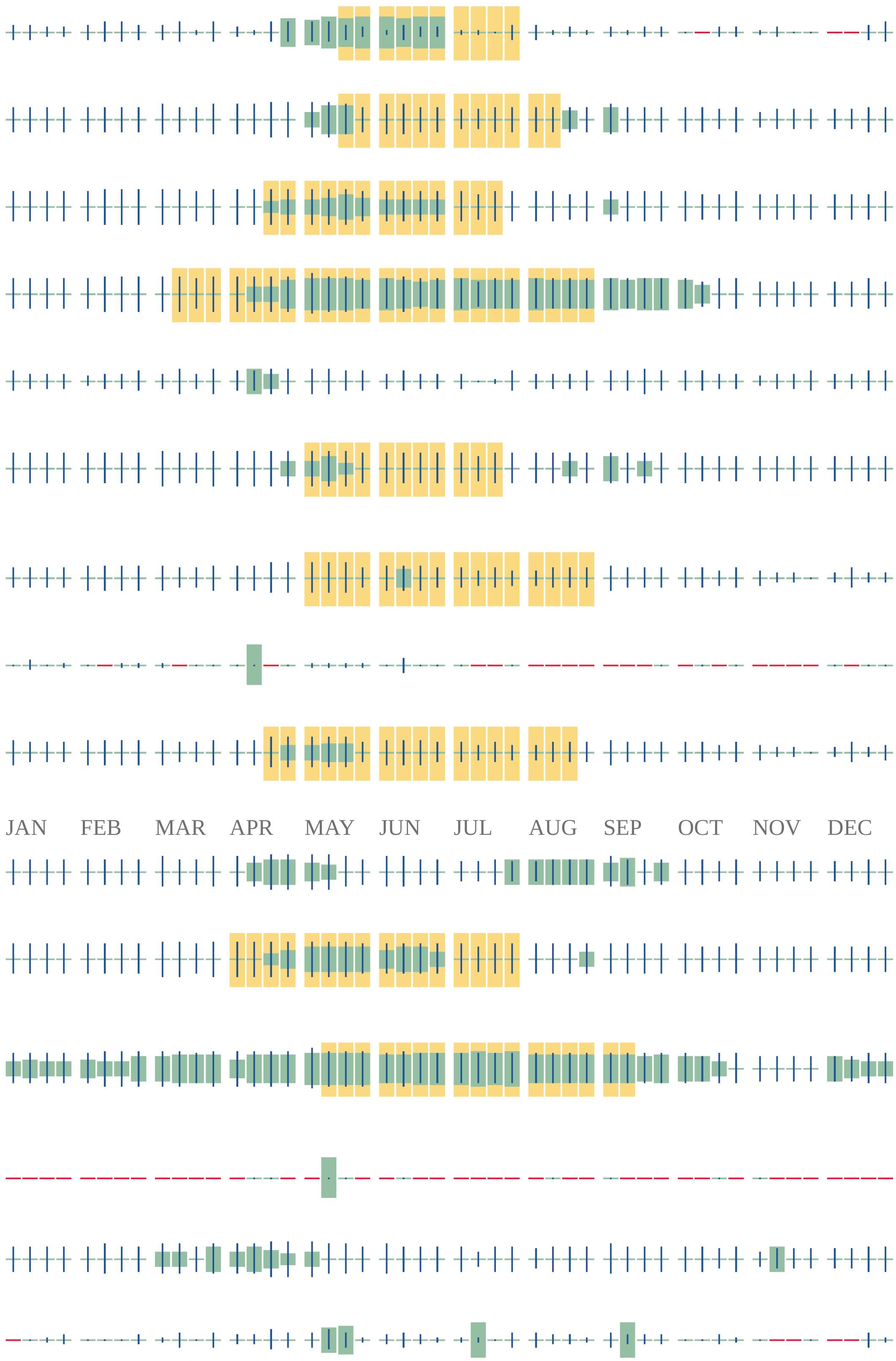
Prothonotary Warbler
BCC Rangewide
(CON)

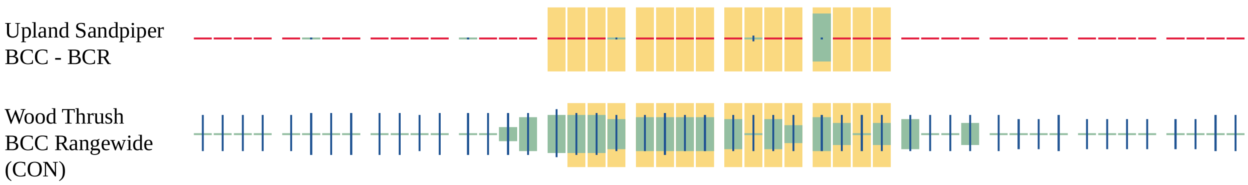
Red-headed Woodpecker
BCC Rangewide
(CON)

Ruddy Turnstone
BCC - BCR

Rusty Blackbird
BCC - BCR

Short-billed Dowitcher
BCC Rangewide
(CON)





Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?
The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?
To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?
Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects
For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Wetlands

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPaC User Contact Information

Agency:	CHA Consulting
Name:	Leigh Montano
Address:	201 N. Illinois St
Address Line 2:	800
City:	Indianapolis
State:	IN
Zip:	46204
Email	lmontano@chacompanies.com
Phone:	7658912557

Lead Agency Contact Information

Lead Agency: Department of Transportation

From: Gill, Arianna <AGill@indot.IN.gov>
Sent: Friday, September 30, 2022 12:26 PM
To: Montano, Leigh; Michels, Stewart; Mettler, Madeline
Subject: [--EXTERNAL--]: RE: Des. No.: 2100113 PEL Along US 30 - Bat database request

Hello,

A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5 mile of the project area(s). The range-wide programmatic consultation for the Indiana Bat and Northern Long-eared Bat shall be completed according to the most recent "Using the USFWS's IPaC System for Listed Bat Consultation for INDOT Projects".

Thanks,

Arianna Gill
Sr Environmental Mngr Supervisor
Fort Wayne District
5333 Hatfield Road
Fort Wayne, IN 46808
Phone: (260) 969-8262
Email: AGill@indot.in.gov

From: Montano, Leigh <LMontano@chacompanies.com>
Sent: Thursday, September 29, 2022 10:55 AM
To: Gill, Arianna <AGill@indot.IN.gov>; Michels, Stewart <SMichels@indot.IN.gov>; Mettler, Madeline <MMettler1@indot.IN.gov>
Subject: Des. No.: 2100113 PEL Along US 30 - Bat database request

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Hello!

I am working on the PEL for US 30 and am in need of the USFWS bat layer check for the project area. I've attached a map and shape files for whatever will be easiest for you.

The project limits are approximately US 30 at US 31 in Marshall County to the Ohio-Indiana border, excluding Fort Wayne. The project will look at a 1000 foot corridor along US 30.

Please let me know if you need any further information from me!

Thank you in advance!

Bat or bird evidence on structures per BIAS reports

Structure	Location	Bats?	Birds?
CV 030-050-69.77	Latitude:41.32996Longitude:-86.22937	no	no
CV 030-050-71.90	Latitude:41.32108Longitude:-86.19026	no	no
CV 030-050-72.90	Latitude:41.31699Longitude:-86.17199	no	no
CV 030-050-75.40	Latitude:41.3132Longitude:-86.1253	no	no
CV 331-050-9.65	Latitude:41.31284Longitude:-86.11686	no	no
331-50-06608 B	Latitude:41.31318Longitude:-86.11637	no	no
CV 331-050-9.75	Latitude:41.31358Longitude:-86.11638	no	no
CV 030-050-75.95	Latitude:41.3129Longitude:-86.11431	no	no
CV 030-050-75.97 NE	Latitude:41.31328Longitude:-86.11358	no	no
CV 030-050-76.07	Latitude:41.31241Longitude:-86.11203	no	no
CV 030-050-76.70	Latitude:41.30836Longitude:-86.1023	no	no
CV 030-050-77.70	Latitude:41.29804Longitude:-86.08717	no	no
CV 030-050-77.92 P	Latitude:41.29633Longitude:-86.08373	no	no
CV 030-050-78.03	Latitude:41.29517Longitude:-86.08239	no	no
CV 030-050-79.38	Latitude:41.28672Longitude:-86.06016	no	no
030-43-04851 CEBL	Latitude:41.27372Longitude:-86.01855	no	no
030-43-04851 BWBL	Latitude:41.2739Longitude:-86.01844	no	no
030-43-04852 CEBL	Latitude:41.26785Longitude:-86.00100	no	no
030-43-04852 BWBL	Latitude:41.26803Longitude:-86.00084	no	no
43-00098	Latitude:41.26869Longitude:-85.99856	no	no
43-00206	Latitude:41.26644Longitude:-86.00129	no	no
43-00231	Latitude:41.26849Longitude:-85.99362	no	yes
030-43-04853 CEBL	Latitude:41.26584Longitude:-85.96136	no	no
030-43-04853 BWBL	Latitude:41.26603Longitude:-85.96149	no	no
CV 030-043-85.20	Latitude:41.26764Longitude:-85.95365	no	no
CV 030-043-86.40	Latitude:41.26899Longitude:-85.93077	no	no
CV 030-043-088.22R	Latitude:41.26958Longitude:-85.89595	no	no
CV 030-043-88.40	Latitude:41.26968Longitude: -85.8925	no	no
030-43-04854 BEBL	Latitude:41.26922Longitude:-85.86351	no	no
030-43-04854 BWBL	Latitude:41.26941Longitude:-85.8634	no	no
030-43-04855 BEBL	Latitude:41.26646Longitude:-85.85259	no	no
030-43-04855 BWBL	Latitude:41.2667Longitude:-85.85259	no	no
CV 030-043-90.54	Latitude:41.26633Longitude:-85.85217	no	no
CV 015-043-58.72	Latitude:41.26743Longitude:-85.85262	no	no
030-43-02316 BEBL	Latitude:41.26591Longitude:-85.85039	no	no
030-43-02316 JBWB	Latitude:41.26615Longitude:-85.85037	no	no
43-00294	Latitude:41.26297Longitude:-85.85195	no	no
015-43-03943 B	Latitude:41.26278Longitude:-85.85243	no	no
43-00264	Latitude:41.26229Longitude:-85.84997	null	null
030-43-04856 CEBL	Latitude:41.26031Longitude:-85.83615	no	no
030-43-04856 CWBL	Latitude:41.26036Longitude:-85.83579	no	no
43-00009	Latitude:41.26102Longitude:-85.82339	no	no
CV 030-043-93.07	Latitude:41.24209Longitude:-85.81917	no	no
CV 030-043-95.85	Latitude:41.21986Longitude:-85.77579	no	no
030-43-06187 EBL	Latitude:41.2173Longitude:-85.76635	no	no
43-00286	Latitude:41.22161Longitude:-85.762932	no	no

43-00287	Latitude:41.21731Longitude:-85.75720	no	no
CV 030-043-97.55	Latitude:41.21161Longitude:-85.74514	no	no
030-43-03729 BEBL	Latitude:41.20802Longitude:-85.72525	no	no
030-43-03729 JBWB	Latitude:41.2082Longitude:-85.72505	no	no
CV 030-043-100.40	Latitude:41.19788Longitude:-85.69201	no	no
CV 030-092-103.69	Latitude:41.18187Longitude:-85.63266	no	no
CV 030-092-103.83	Latitude:41.18138Longitude:-85.63006	no	no
CV 030-092-105.36	Latitude:41.17783Longitude:-85.60123	no	no
030-92-03776 BEBL	Latitude:41.17771Longitude:-85.59359	no	no
030-92-03776 JBWB	Latitude:41.17792Longitude:-85.59361	no	no
030-92-03730 B	Latitude:41.17492Longitude:-85.55217	no	no
CV 030-092-109.01	Latitude:41.16908Longitude:-85.53359	no	no
030-92-04406 CEBL	Latitude:41.16688Longitude:-85.47210	no	no
030-92-04406 CWBL	Latitude:41.16712Longitude:-85.47208	no	no
92-00016 B	Latitude:41.14693Longitude:-85.45201	null	null
030-92-04407 CEBL	Latitude:41.14839Longitude:-85.45044	no	no
030-92-04407 CWBL	Latitude:41.14856Longitude:-85.45028	no	no
CV 030-092-117.14	Latitude:41.1309Longitude:-85.395	no	no
CV 030-002-120.46	Latitude:41.12587Longitude:-85.3324	no	no
CV 030-002-124.45	Latitude:41.1252Longitude:-85.25609	no	no
030-02-04409 CEBL	Latitude:41.12539Longitude:-85.24739	no	no
030-02-04409 CWBL	Latitude:41.12540Longitude:-85.24739	no	no
CV 030-002-125.07	Latitude:41.1254Longitude:-85.24393	no	no
CV 030-002-125.43	Latitude:41.12531Longitude:-85.23703	no	no
CV 030-002-126.84	Latitude:41.12505Longitude:-85.21011	no	no
030-02-09998	Latitude:41.12577Longitude:-85.19260	no	no
CV 030-002-127.95	Latitude:41.12435Longitude:-85.18963	no	no
(30)33-02-04549 B	Latitude:41.12221Longitude:-85.18677	no	no
CV 030-002-141.90	Latitude:41.05856Longitude:-84.97519	no	no
CV 030-002-143.29 R	Latitude:41.04686Longitude:-84.95164	no	no
CV 030-002-143.59	Latitude:41.04580Longitude:-84.94659	no	no
CV 02-106012	Latitude:41.05027Longitude:-84.94682	null	null
030-02-06543 BEBL	Latitude:41.01925Longitude:-84.87359	no	no
030-02-06543 BWBL	Latitude:41.01944Longitude:-84.87342	no	no
CV 030-002-148.50	Latitude:41.01441Longitude:-84.86393	no	no
CV 101-002-54.63	Latitude:41.01794Longitude:-84.86359	no	no
02-00161	Latitude:41.01428Longitude:-84.85177	null	null
02-00162	Latitude:41.01454Longitude:-84.85225	no	no
030-02-06544 BEBL	Latitude:41.00912Longitude:-84.84990	no	no
030-02-06544 BWBL	Latitude:41.00912Longitude:-84.84990	no	no
CV 02-113011	Latitude:41.00544Longitude:-84.83518	null	null
CV 030-002-150.33	Latitude:41.00272Longitude:-84.83207	no	no
CV 02-113005	Latitude:41.00198Longitude:-84.82515	null	null
CV 02-113012	Latitude:41.00529Longitude:-84.82045	null	null
CV 030-002-150.97	Latitude:41.00076Longitude:-84.82055	no	no