

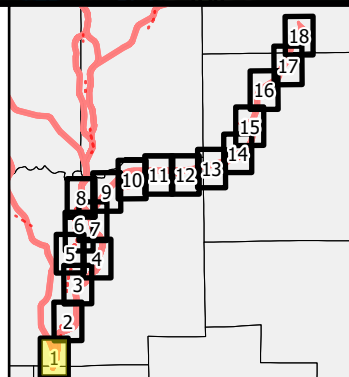
Tier 1 DEIS Atlas
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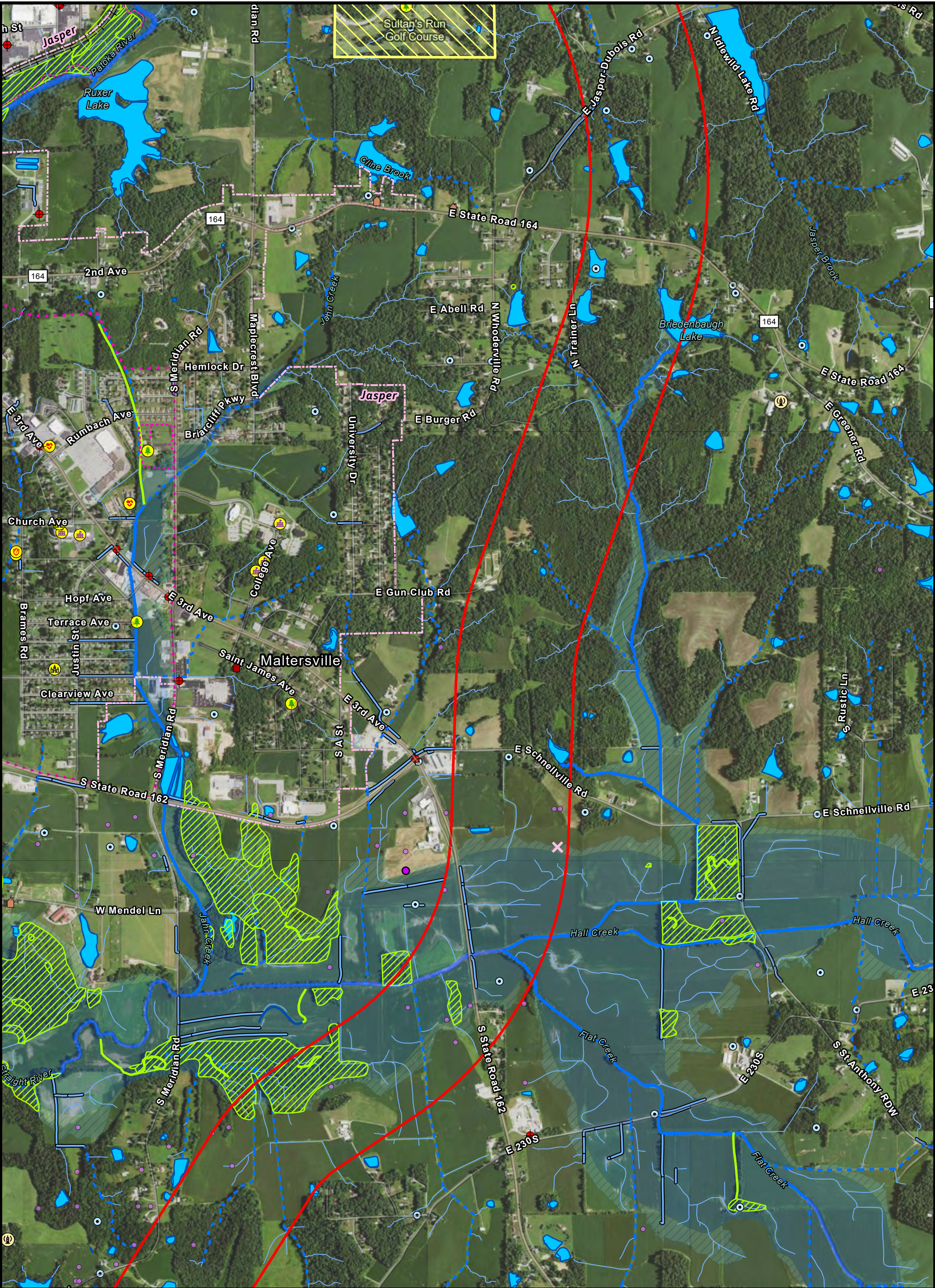
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2/23/2022

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|---------------------|----------------------|-------------------------|-------------------------------------|
| New Alignments | Perennial Stream | Cemetery | Power Plant |
| Counties | Canal/Ditch | Cemetery | Oil & Gas Wells |
| Cities | Unclassified Streams | Education | Test & Other Wells |
| Lakes/Ponds | Floodway | Recreational Facilities | Properties of Environmental Concern |
| Wetlands | Floodplain | Water Wells | Confined Feeding Operations |
| Intermittent Stream | Trails | Active Railroads | |





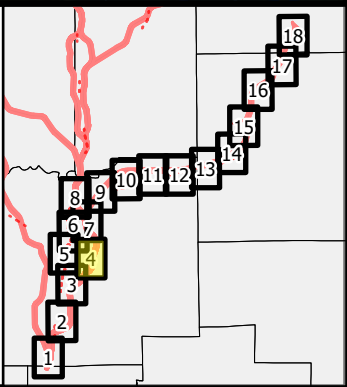
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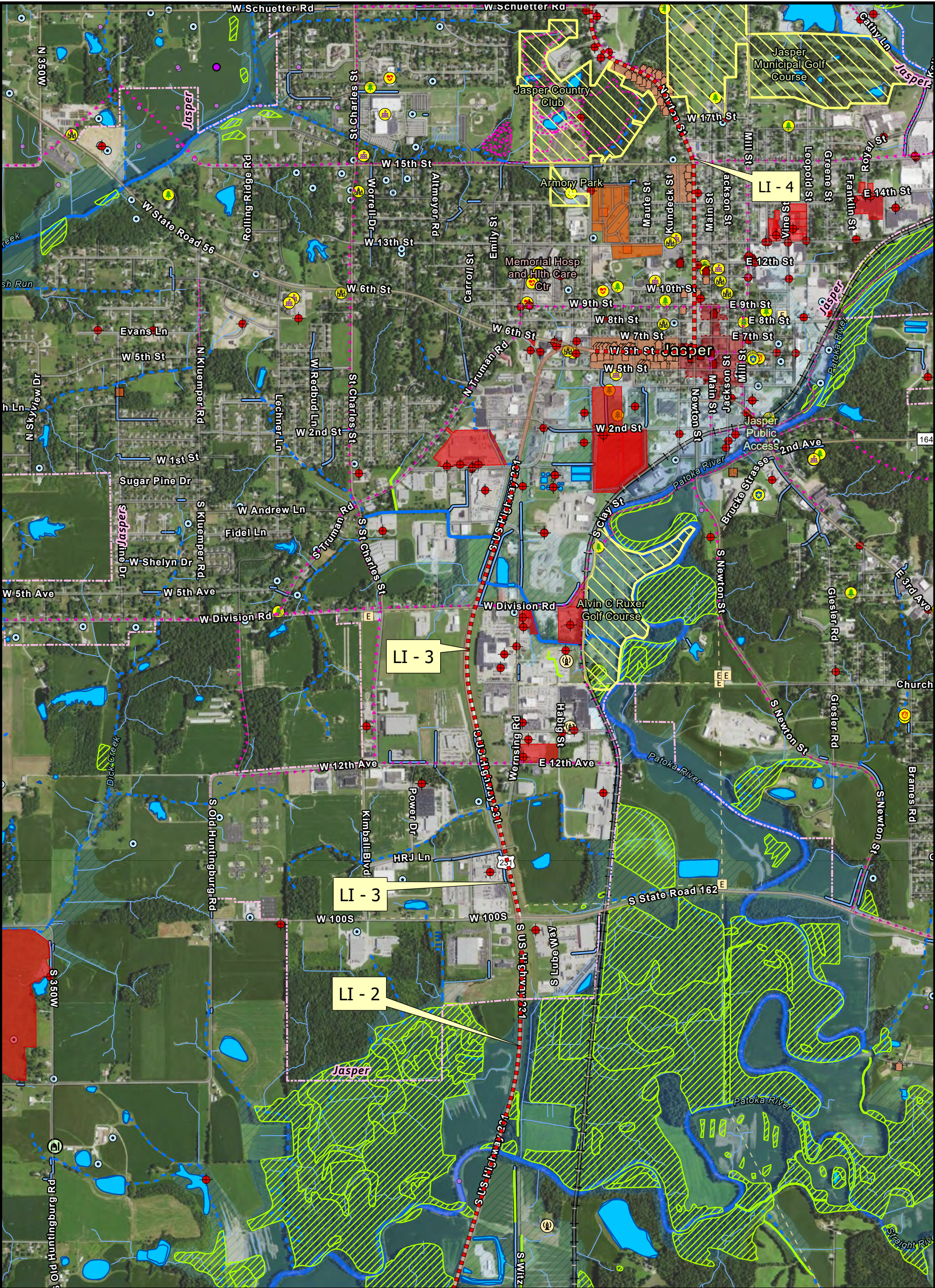
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2/23/2022

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|---------------------|----------------------|----------------------------|-------------------------------------|
| New Alignments | Canal/Ditch | National Register Listed | Water Wells |
| Counties | Unclassified Streams | National Register Eligible | Antennas >200Ft |
| Cities | Floodway | Religious Centers | Active Railroads |
| Lakes/Ponds | Floodplain | Fire Stations and EMS | Industrial Minerals |
| Rivers/Lg Streams | Managed Lands | Hospitals and Medical Care | Oil & Gas Wells |
| Wetlands | Trails | Education | Test & Other Wells |
| Intermittent Stream | Planned Trails | Recreational Facilities | Properties of Environmental Concern |
| Perennial Stream | | | |





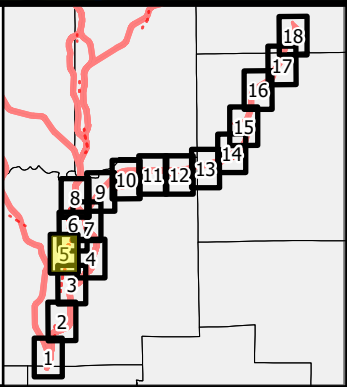
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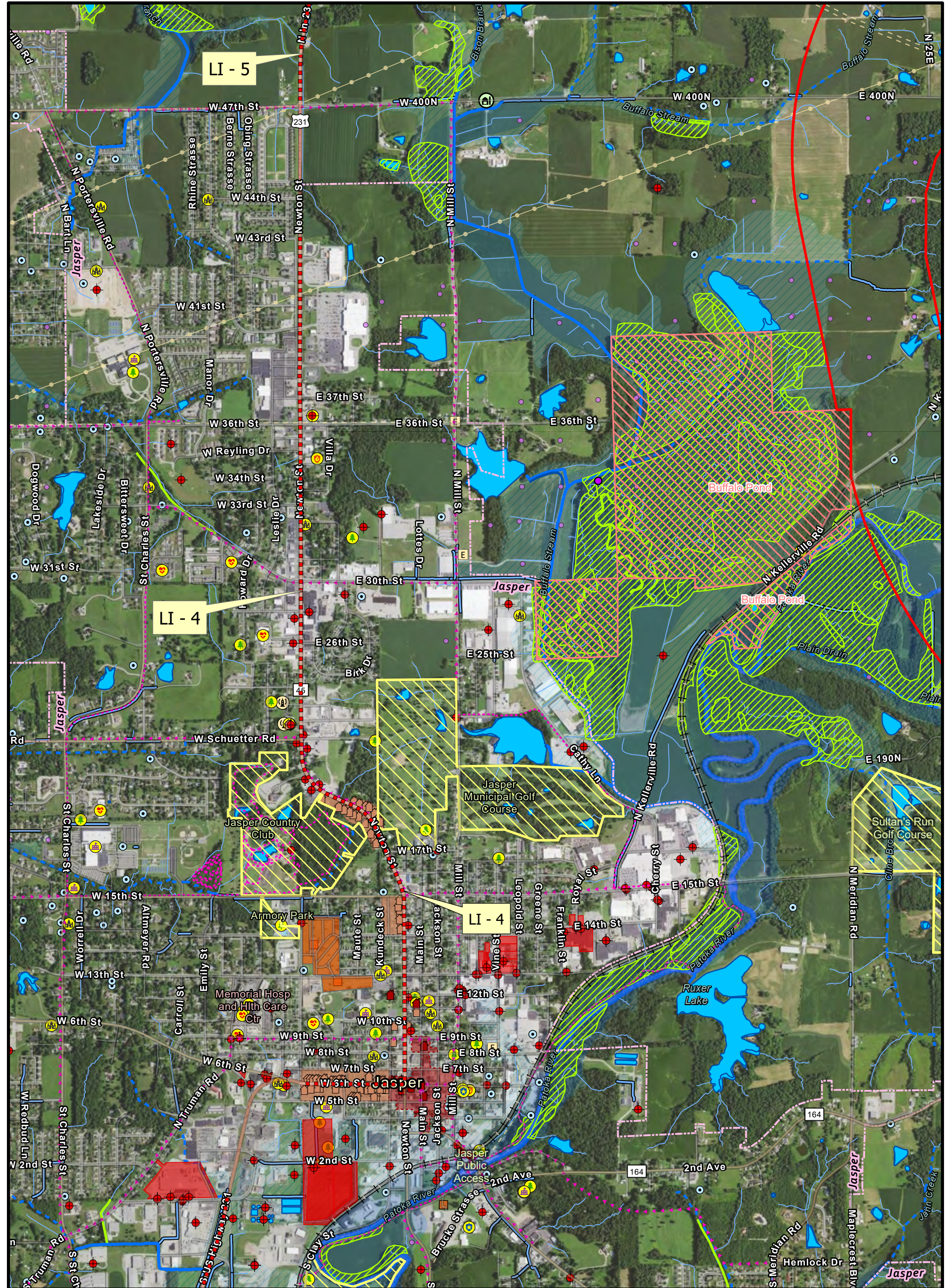
2/23/2022




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|---------------------|----------------------|--------------------------------------|----------------------------|-------------------------------------|
| Local Improvements | Canal/Ditch | Cemetery | Fire Stations and EMS | Electric Lines |
| Counties | Unclassified Streams | National Register Listed | Hospitals and Medical Care | Oil & Gas Wells |
| Cities | Floodway | National Register Eligible | Education | Test & Other Wells |
| Lakes/Ponds | Floodplain | National Register Historic Districts | Recreational Facilities | Properties of Environmental Concern |
| Rivers/Lg Streams | Managed Lands | Potential Historic Districts | Water Wells | Properties of Environmental Concern |
| Wetlands | Trails | Religious Centers | Antennas >200ft | Confined Feeding Operations |
| Intermittent Stream | Planned Trails | Police | Active Railroads | |
| Perennial Stream | Cemetery | | Electric Substation | |



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MID-STATES

CORRIDOR

Tier 1 DEIS Atlas

Alternative O

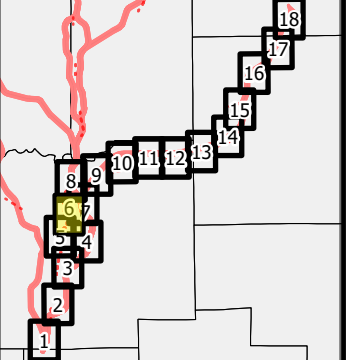
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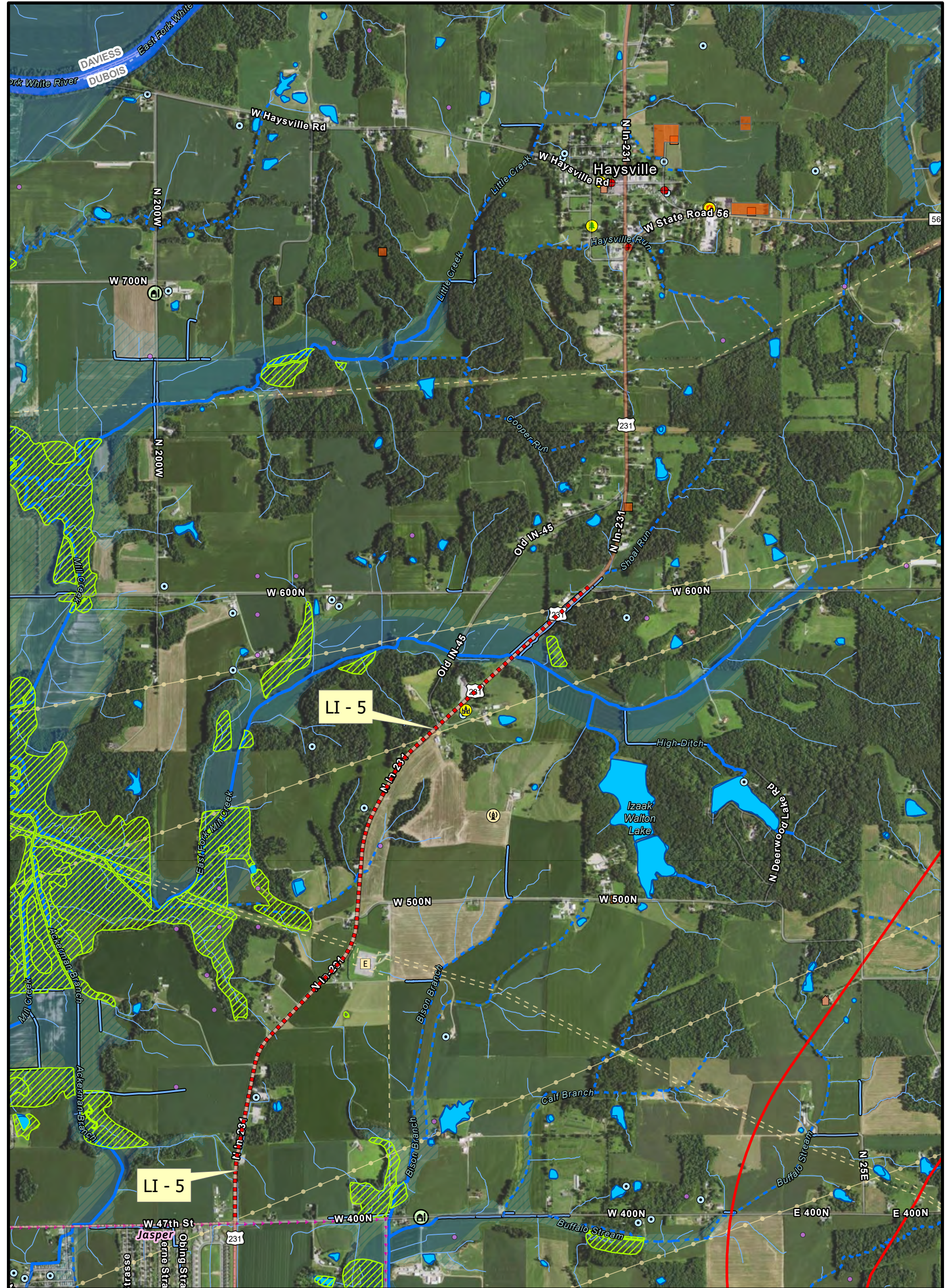
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Feet

2/23/2022

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| <div><div></div><div>Canal/Ditch</div></div> <div><div></div><div>Unclassified Streams</div></div> <div><div></div><div>Floodway</div></div> <div><div></div><div>Floodplain</div></div> <div><div></div><div>Nature Preserve</div></div> <div><div></div><div>Managed Lands</div></div> <div><div></div><div>Trails</div></div> <div><div></div><div>Planned Trails</div></div> |
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| <div><div></div><div>Fire Stations and EMS</div></div> <div><div></div><div>Hospitals and Medical Care</div></div> <div><div></div><div>Education</div></div> <div><div></div><div>Recreational Facilities</div></div> <div><div></div><div>Water Wells</div></div> <div><div></div><div>Antennas >200Ft</div></div> <div><div></div><div>Active Railroads</div></div> <div><div></div><div>Electric Substation</div></div> |
| <div><div></div><div>Pipelines</div></div> <div><div></div><div>Electric Lines</div></div> <div><div></div><div>Oil & Gas Wells</div></div> <div><div></div><div>Test & Other Wells</div></div> <div><div></div><div>Properties of Environmental Concern</div></div> <div><div></div><div>Properties of Environmental Concern</div></div> <div><div></div><div>Confined Feeding Operations</div></div> |







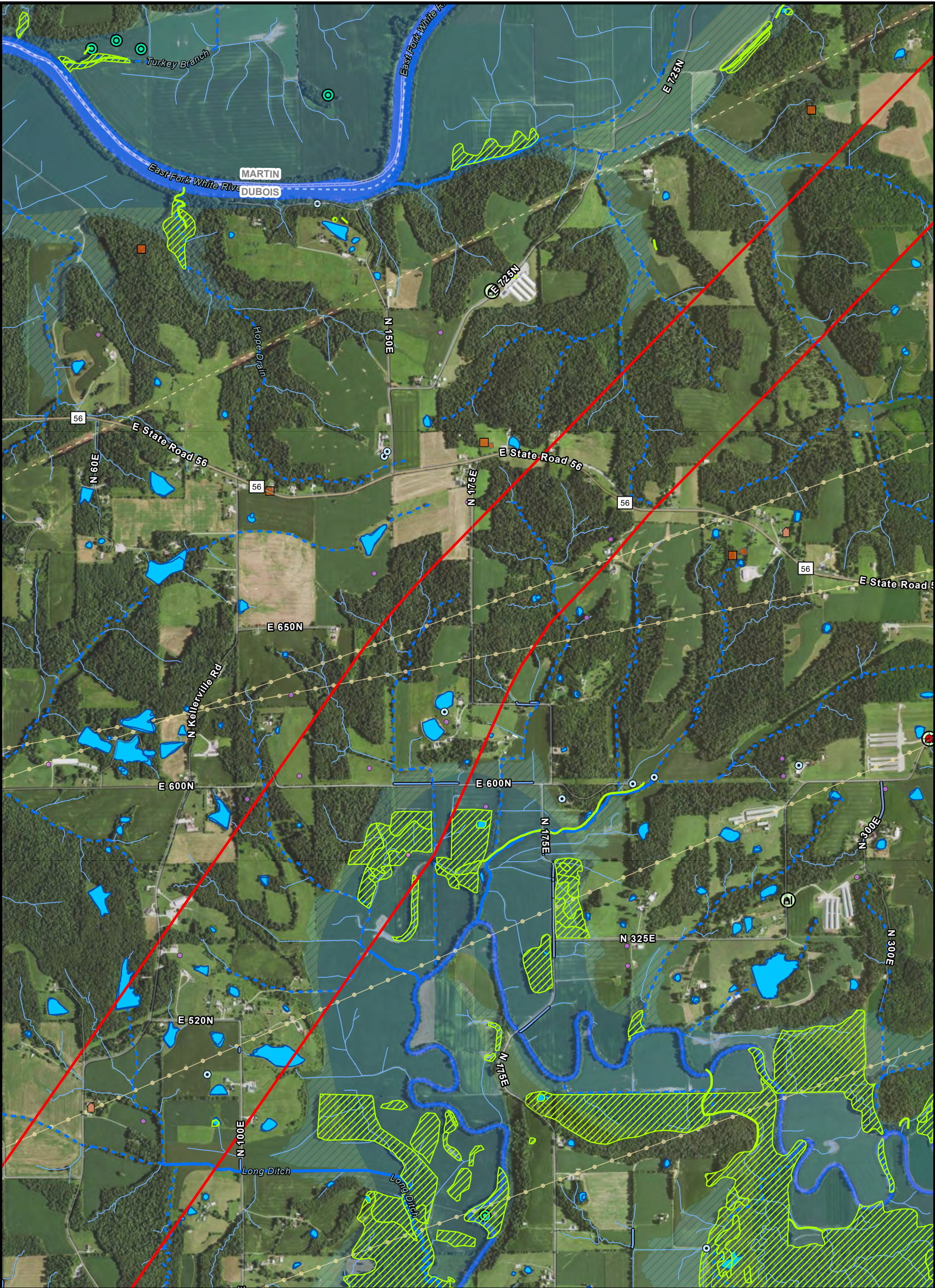
**MID-STATES
CORRIDOR**

**Tier 1 DEIS Atlas
Alternative O
Page 8 of 18**

0 500 1,000 Feet

2/23/2022

| | | | |
|---------------------|----------------------|----------------------------|-------------------------------------|
| New Alignments | Perennial Stream | Cemetery | Electric Substation |
| Local Improvements | Canal/Ditch | Sinkholes | Pipelines |
| Counties | Unclassified Streams | National Register Eligible | Electric Lines |
| Cities | Floodway | Religious Centers | Test & Other Wells |
| Lakes/Ponds | Floodplain | Fire Stations and EMS | Properties of Environmental Concern |
| Rivers/Lg Streams | Trails | Recreational Facilities | Confined Feeding Operations |
| Wetlands | Planned Trails | Water Wells | |
| Intermittent Stream | Cemetery | Antennas >200Ft | |



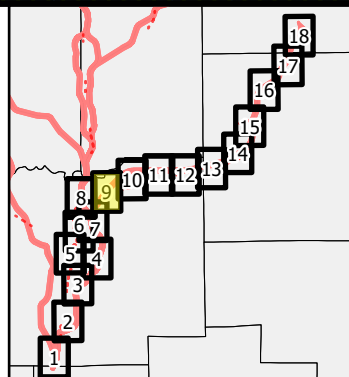
Tier 1 DEIS Atlas
Alternative O
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0 500 1,000 Feet

2/23/2022



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|---------------------|----------------------|----------------------------|-------------------------------------|
| New Alignments | Perennial Stream | Cemetery | Pipelines |
| Counties | Canal/Ditch | Cemetery | Electric Lines |
| Lakes/Ponds | Unclassified Streams | Sinkholes | Test & Other Wells |
| Rivers/Lg Streams | Floodway | National Register Eligible | Properties of Environmental Concern |
| Wetlands | Floodplain | Water Wells | Confined Feeding Operations |
| Intermittent Stream | | | |



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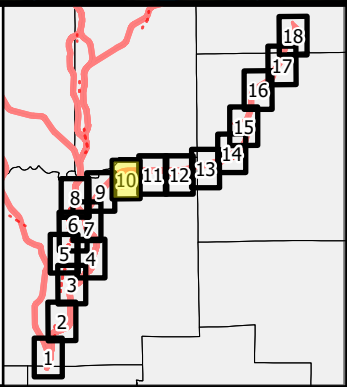
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Alternative O
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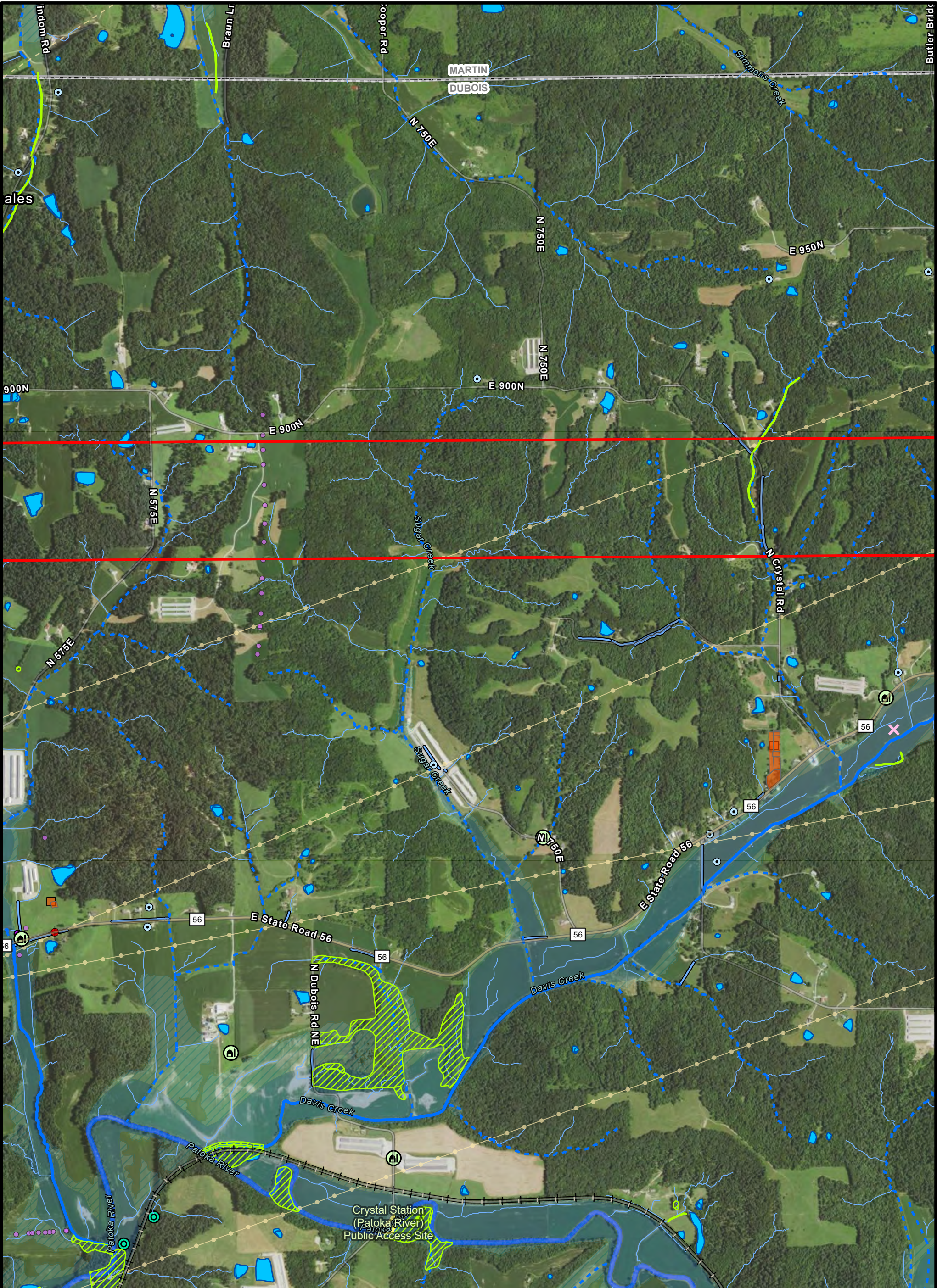
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2/23/2022



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|---------------------|----------------------|----------------------------|-------------------------------------|
| New Alignments | Perennial Stream | National Register Listed | Electric Lines |
| Local Improvements | Canal/Ditch | National Register Eligible | Oil & Gas Wells |
| Counties | Unclassified Streams | Religious Centers | Test & Other Wells |
| Lakes/Ponds | Floodway | Recreational Facilities | Properties of Environmental Concern |
| Rivers/Lg Streams | Floodplain | Water Wells | Confined Feeding Operations |
| Wetlands | Cemetery | Pipelines | |
| Intermittent Stream | Cemetery | | |





Tier 1 DEIS Atlas
Alternative O
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0 500 1,000 Feet

2/23/2022

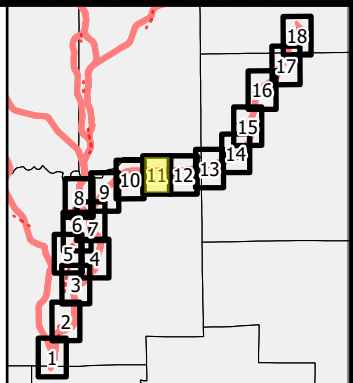


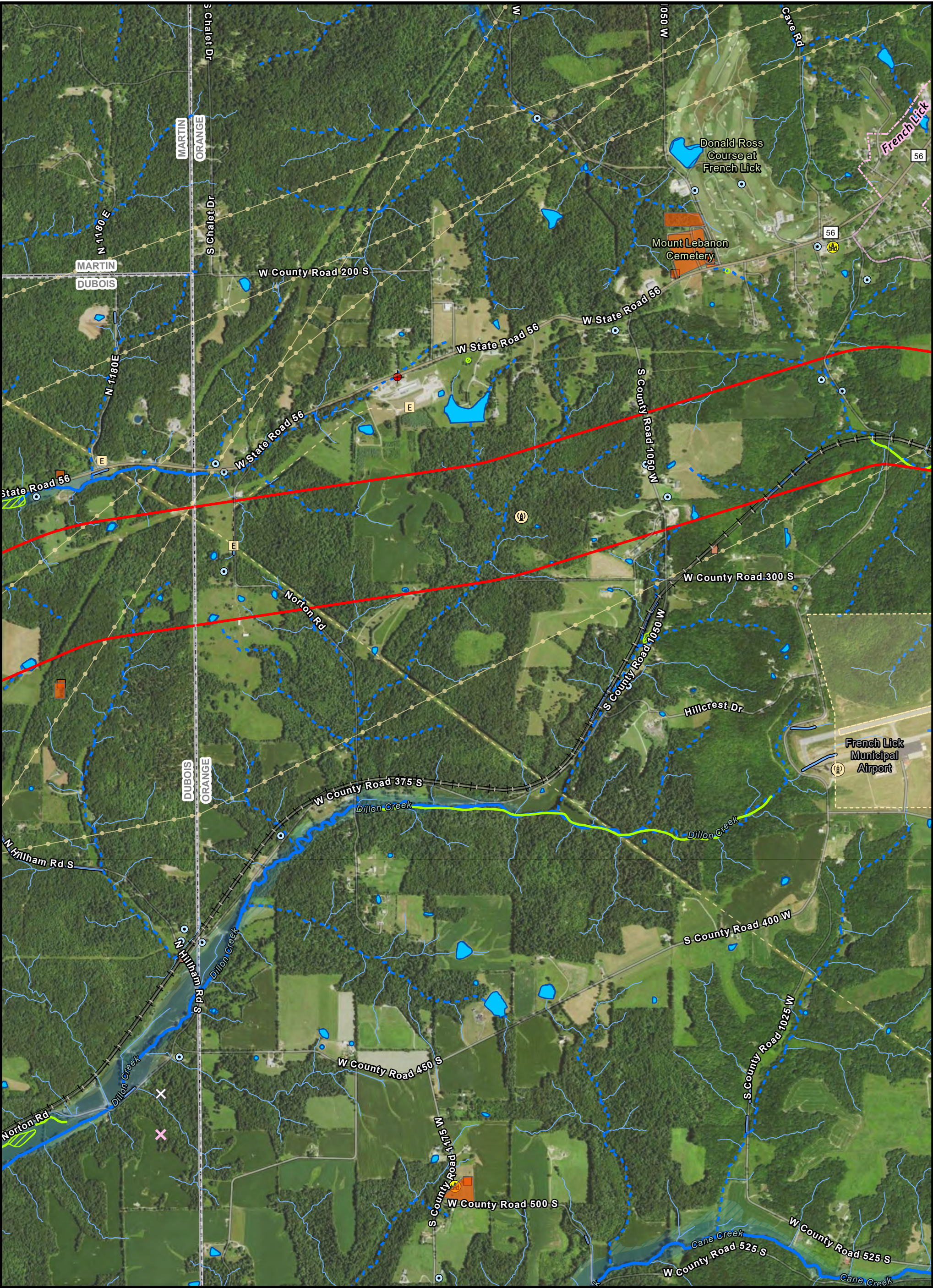
- New Alignments
- Counties
- Lakes/Ponds
- Rivers/Lg Streams
- Wetlands
- Intermittent Stream

- Perennial Stream
- Canal/Ditch
- Unclassified Streams
- Floodway
- Floodplain
- Managed Lands

- Cemetery
- Cemetery
- Sinkholes
- Water Wells
- Active Railroads
- Pipelines

- Electric Lines
- Industrial Minerals
- Oil & Gas Wells
- Test & Other Wells
- Confined Feeding Operations





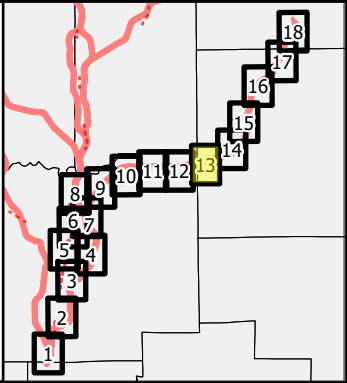
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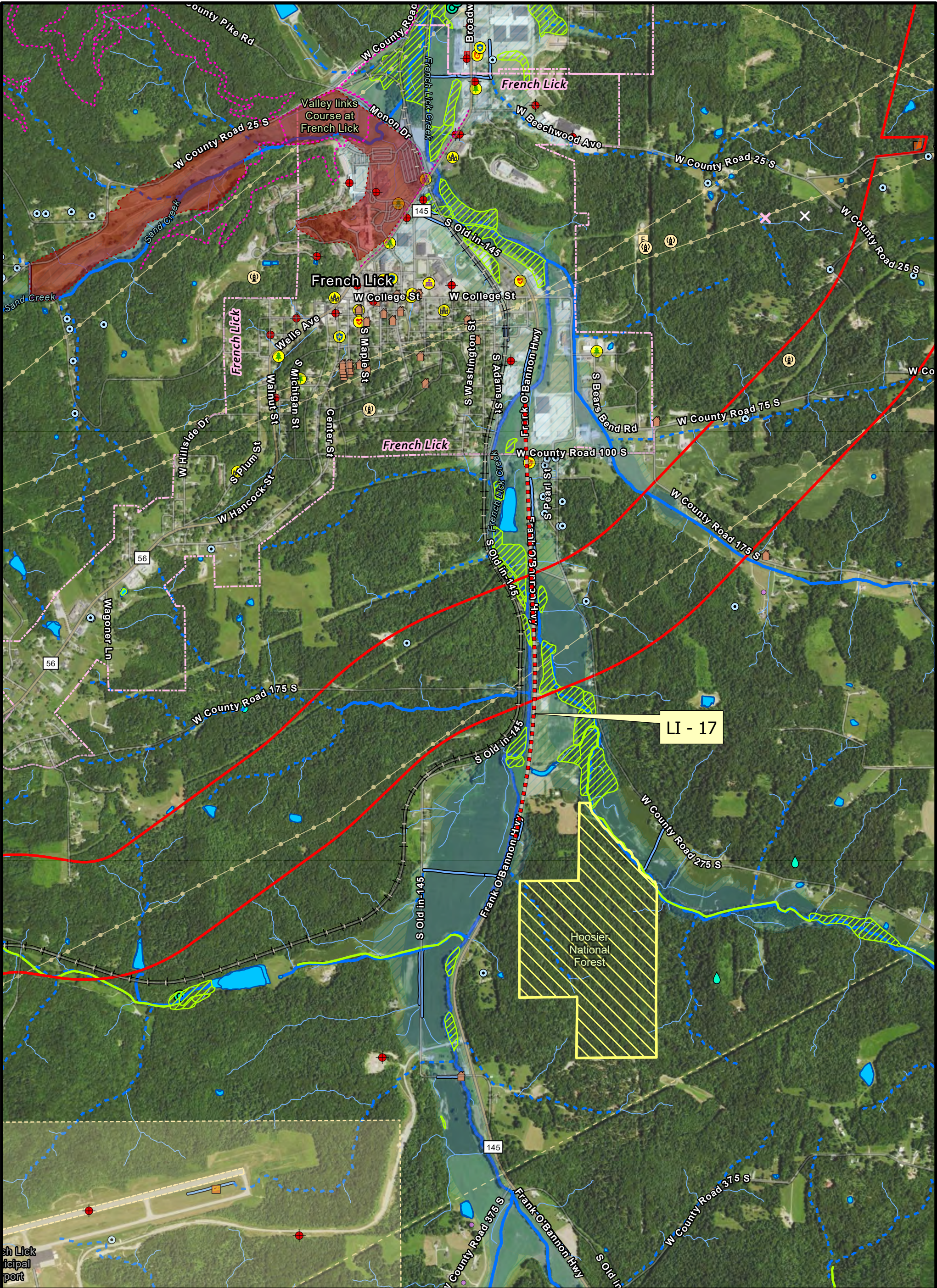
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2/23/2022

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|---------------------|----------------------------|---------------------|-------------------------------------|
| New Alignments | Canal/Ditch | Religious Centers | Electric Lines |
| Counties | Unclassified Streams | Water Wells | Abandoned Quarries & Pits |
| Cities | Floodway | Antennas >200Ft | Industrial Minerals |
| Lakes/Ponds | Floodplain | Airports | Properties of Environmental Concern |
| Wetlands | Cemetery | Active Railroads | |
| Intermittent Stream | Cemetery | Electric Substation | |
| Perennial Stream | National Register Eligible | Pipelines | |





Tier 1 DEIS Atlas
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0 500 1,000 Feet

2/23/2022



- New Alignments
- Local Improvements
- Counties
- Cities
- Lakes/Ponds
- Rivers/Lg Streams
- Wetlands
- Intermittent Stream
- Perennial Stream

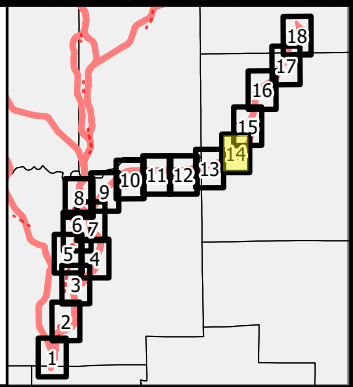
- Canal/Ditch
- Unclassified Streams
- Floodway
- Floodplain
- Managed Lands
- Trails
- Cemetery
- Cemetery
- Karst Springs

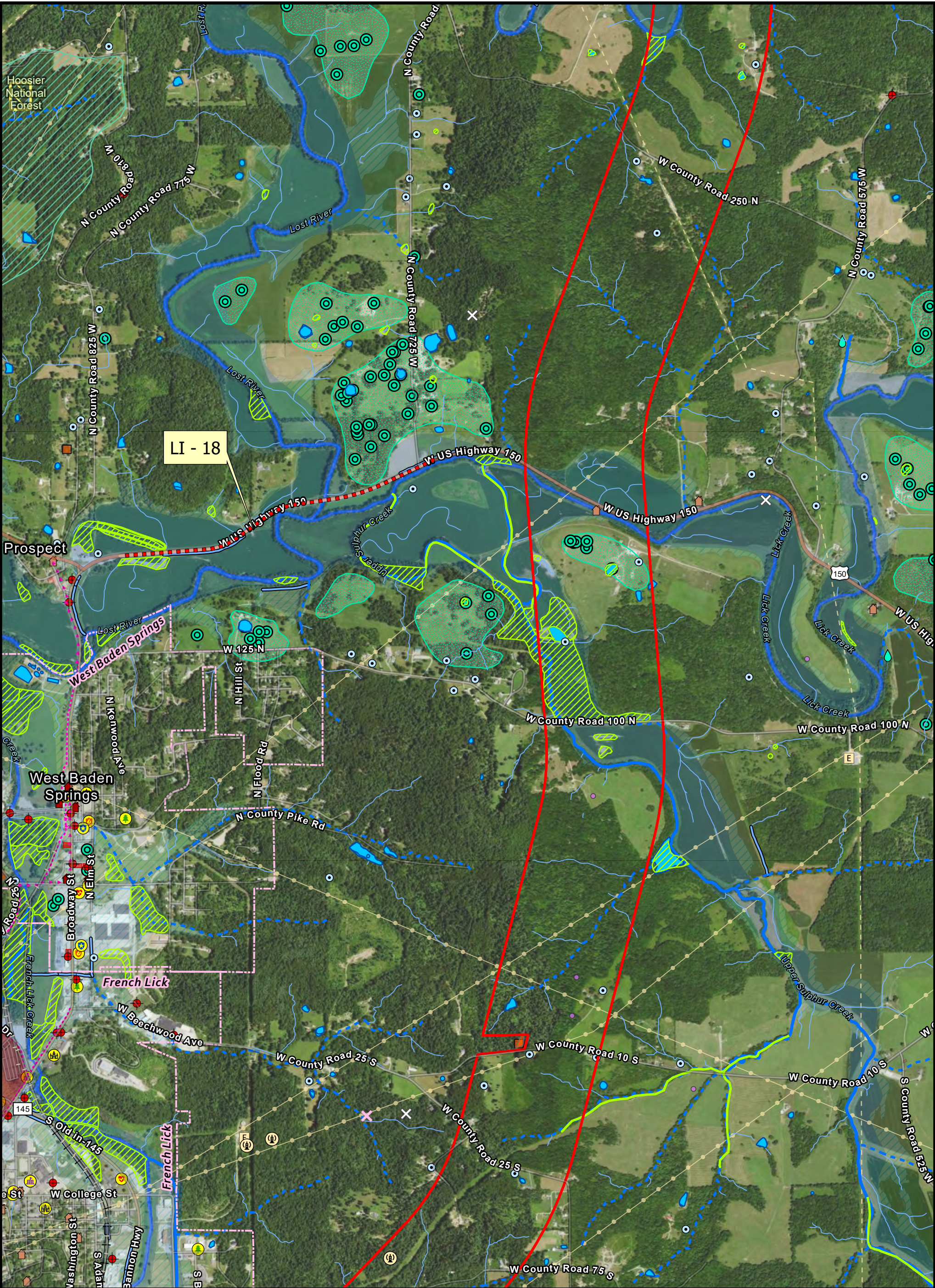
- Sinkholes
- National Register Eligible
- National Register Historic Districts
- Potential Historic Districts
- Religious Centers
- Police
- Fire Stations and EMS
- Hospitals and Medical Care

- Education
- Recreational Facilities
- Water Wells
- Antennas >200Ft
- Airports
- Active Railroads
- Electric Substation
- Pipelines
- Electric Lines

- Abandoned Quarries & Pits
- Industrial Minerals
- Test & Other Wells
- Properties of Environmental Concern
- Properties of Environmental Concern

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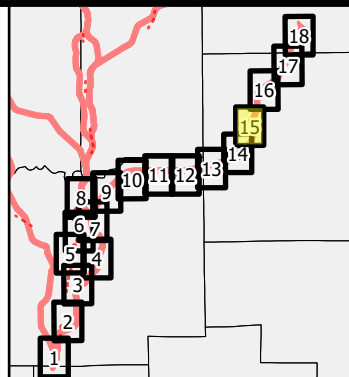
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0 500 1,000 Feet

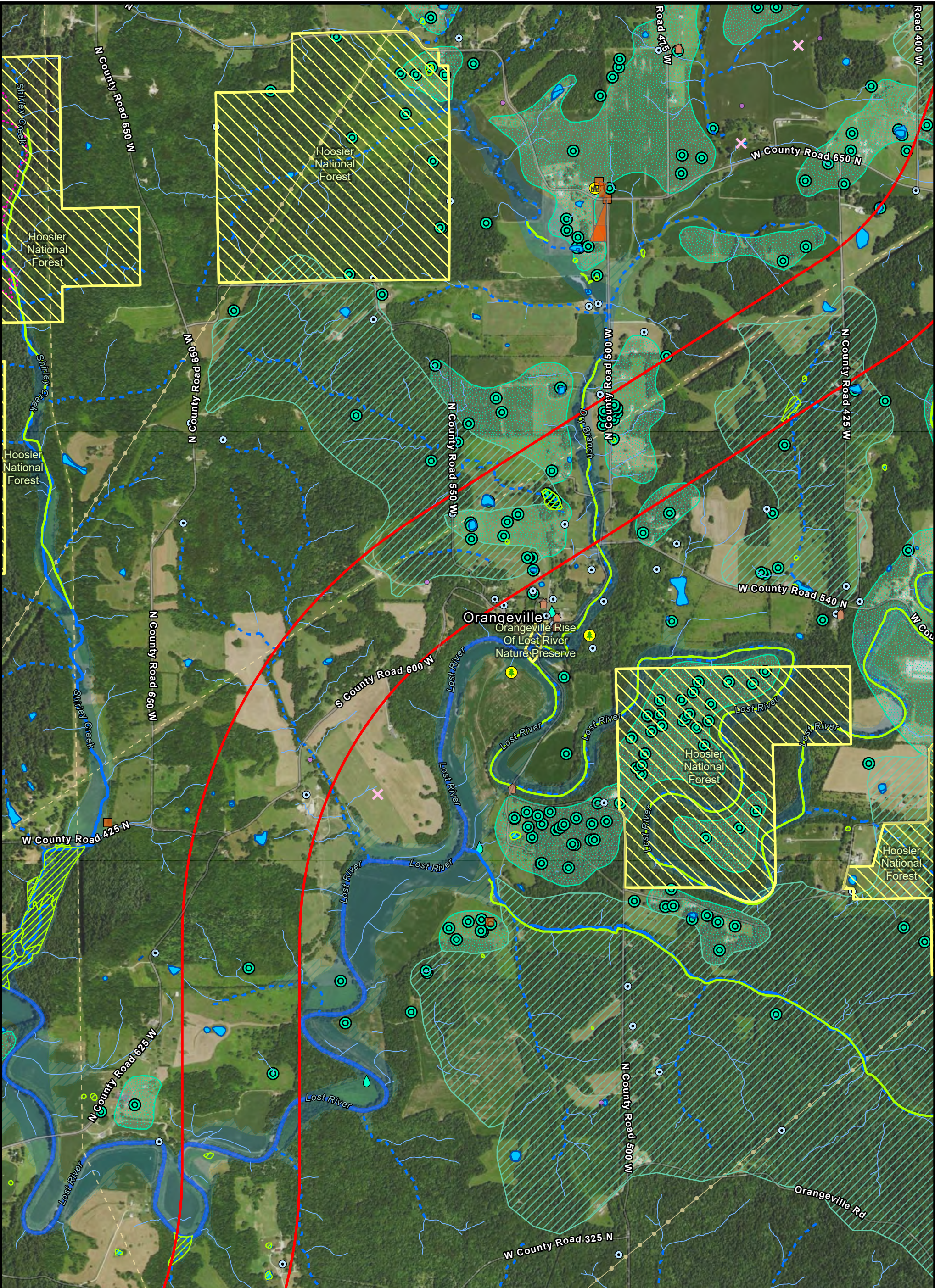


2/23/2022

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|---------------------|----------------------|--------------------------------------|----------------------------|-------------------------------------|
| New Alignments | Canal/Ditch | Karst Springs | Police | Pipelines |
| Local Improvements | Unclassified Streams | Sinkholes | Fire Stations and EMS | Electric Lines |
| Counties | Floodway | Sinkhole Area | Hospitals and Medical Care | Abandoned Quarries & Pits |
| Cities | Floodplain | Sinking Stream Basin | Education | Industrial Minerals |
| Lakes/Ponds | Managed Lands | National Register Listed | Recreational Facilities | Test & Other Wells |
| Rivers/Lg Streams | Trails | National Register Eligible | Water Wells | Properties of Environmental Concern |
| Wetlands | Planned Trails | National Register Historic Districts | Antennas >200Ft | Properties of Environmental Concern |
| Intermittent Stream | Cemetery | Religious Centers | Active Railroads | |
| Perennial Stream | Cemetery | | Electric Substation | |



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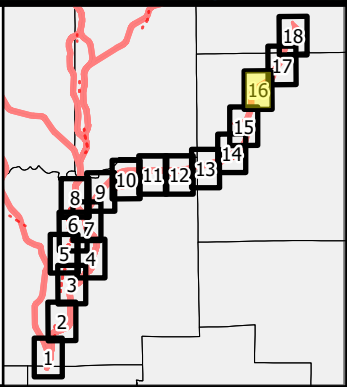
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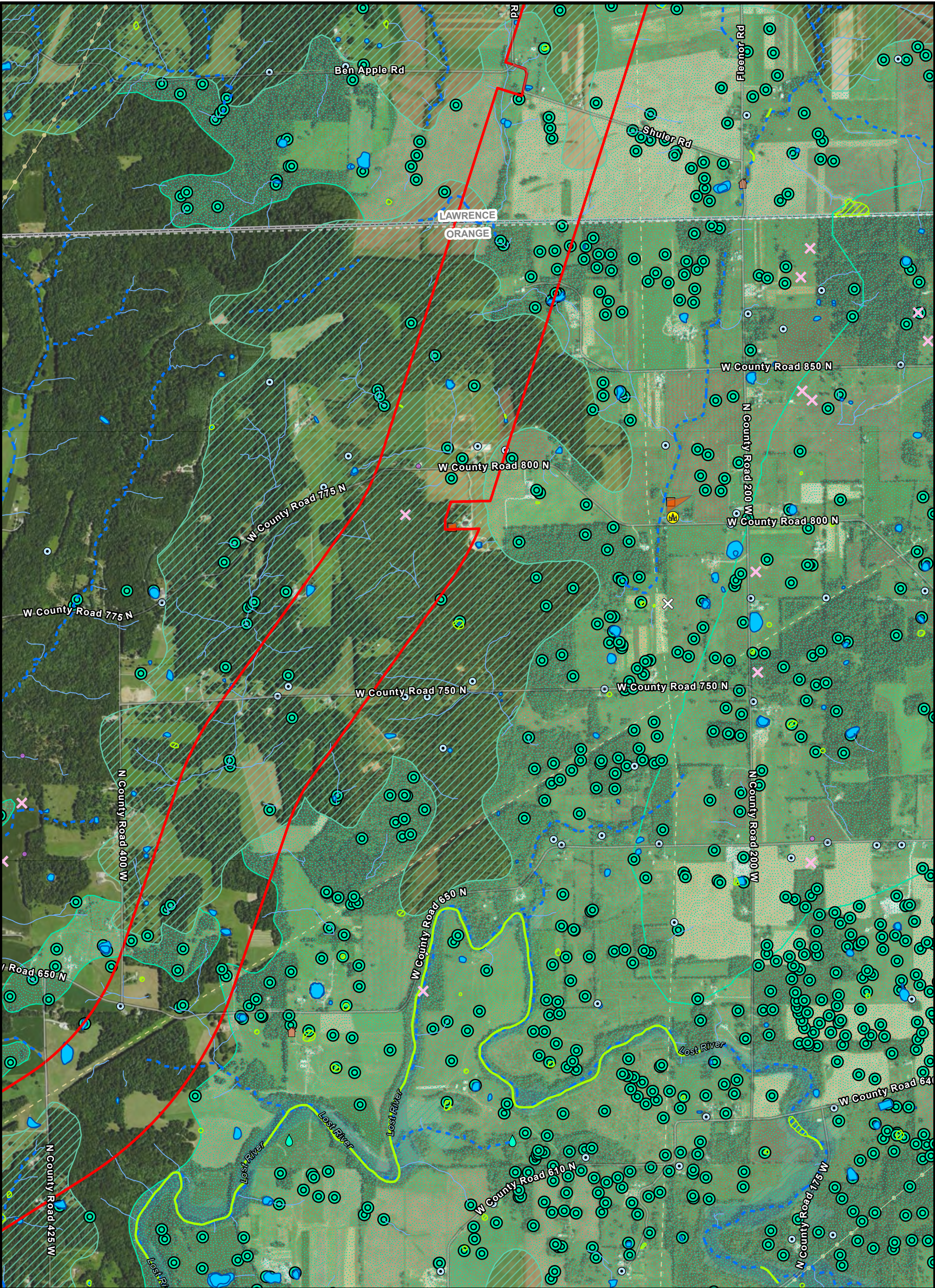
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2/23/2022



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| New Alignments | Unclassified Streams | Karst Springs | Recreational Facilities |
| Counties | Floodway | Sinkholes | Water Wells |
| Lakes/Ponds | Floodplain | Sinkhole Area | Pipelines |
| Rivers/Lg Streams | Managed Lands | Sinking Stream Basin | Electric Lines |
| Wetlands | Trails | National Register Eligible | Industrial Minerals |
| Intermittent Stream | Cemetery | Religious Centers | Test & Other Wells |
| Perennial Stream | Cemetery | | |





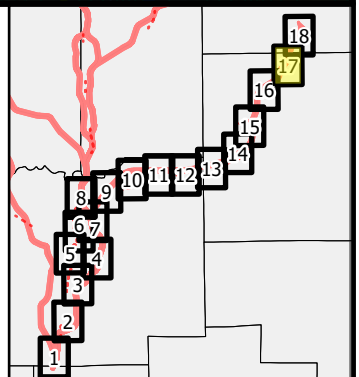
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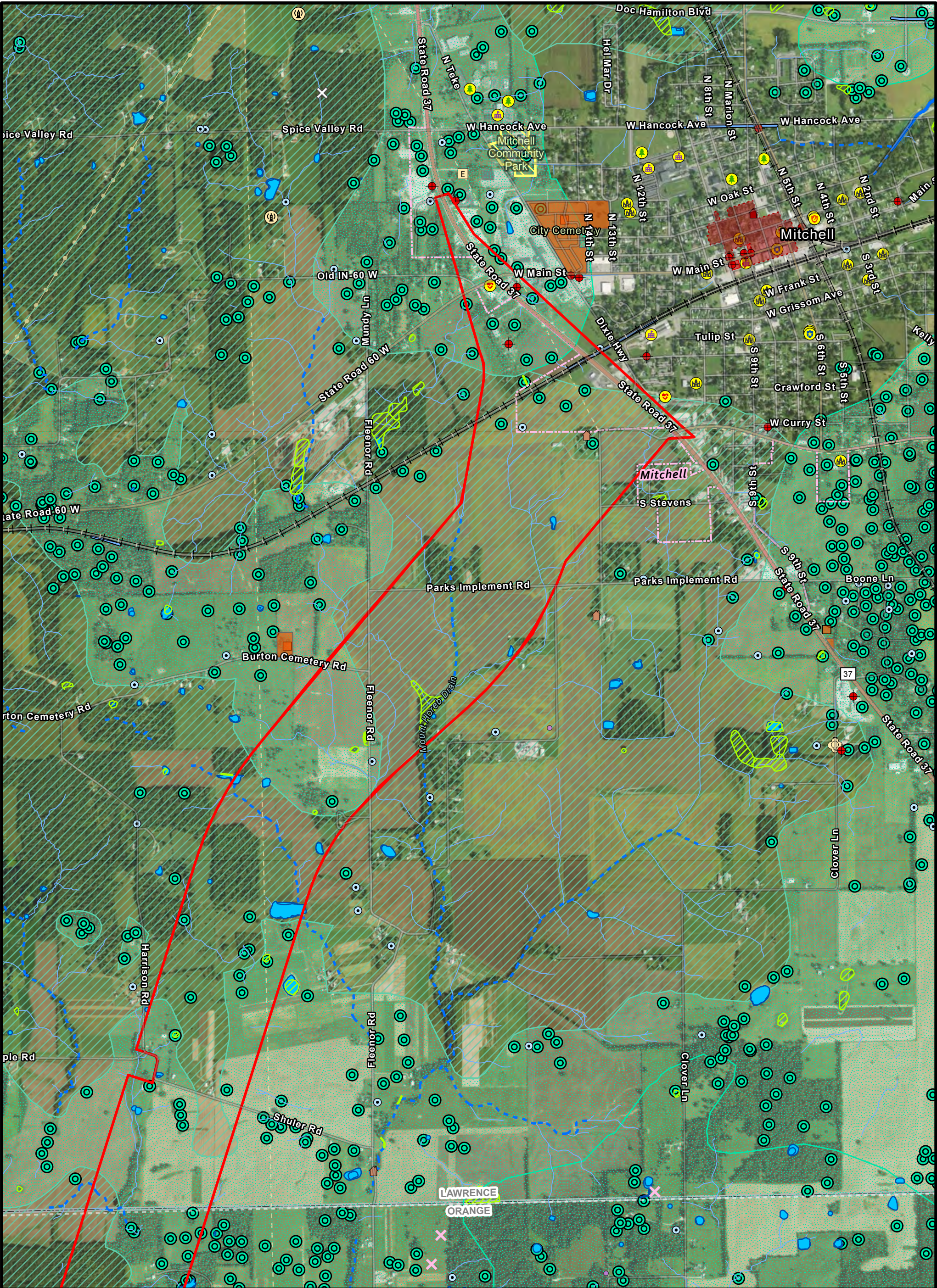
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2/23/2022

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|----------------------|---------------|----------------------------|---------------------------|
| New Alignments | Floodway | Sinkhole Area | Pipelines |
| Counties | Floodplain | Sinking Stream Basin | Electric Lines |
| Lakes/Ponds | Cemetery | National Register Eligible | Abandoned Quarries & Pits |
| Wetlands | Cemetery | Religious Centers | Industrial Minerals |
| Intermittent Stream | Karst Springs | Religious Centers | Test & Other Wells |
| Unclassified Streams | Sinkholes | Water Wells | |





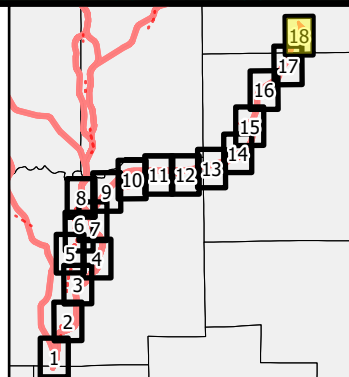
Tier 1 DEIS Atlas
Alternative O
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0 500 1,000 Feet



2/23/2022

- | | | | | |
|---------------------|----------------------|--------------------------------------|----------------------------|-------------------------------------|
| New Alignments | Unclassified Streams | Sinking Stream Basin | Hospitals and Medical Care | Pipelines |
| Counties | Floodway | National Register Listed | Education | Electric Lines |
| Cities | Floodplain | National Register Eligible | Recreational Facilities | Abandoned Quarries & Pits |
| Lakes/Ponds | Managed Lands | National Register Historic Districts | Water Wells | Industrial Minerals |
| Wetlands | Cemetery | Religious Centers | Antennas >200ft | Test & Other Wells |
| Intermittent Stream | Cemetery | Police | Active Railroads | Properties of Environmental Concern |
| Perennial Stream | Sinkholes | Fire Stations and EMS | Power Plant | Properties of Environmental Concern |
| Canal/Ditch | Sinkhole Area | | Electric Substation | |

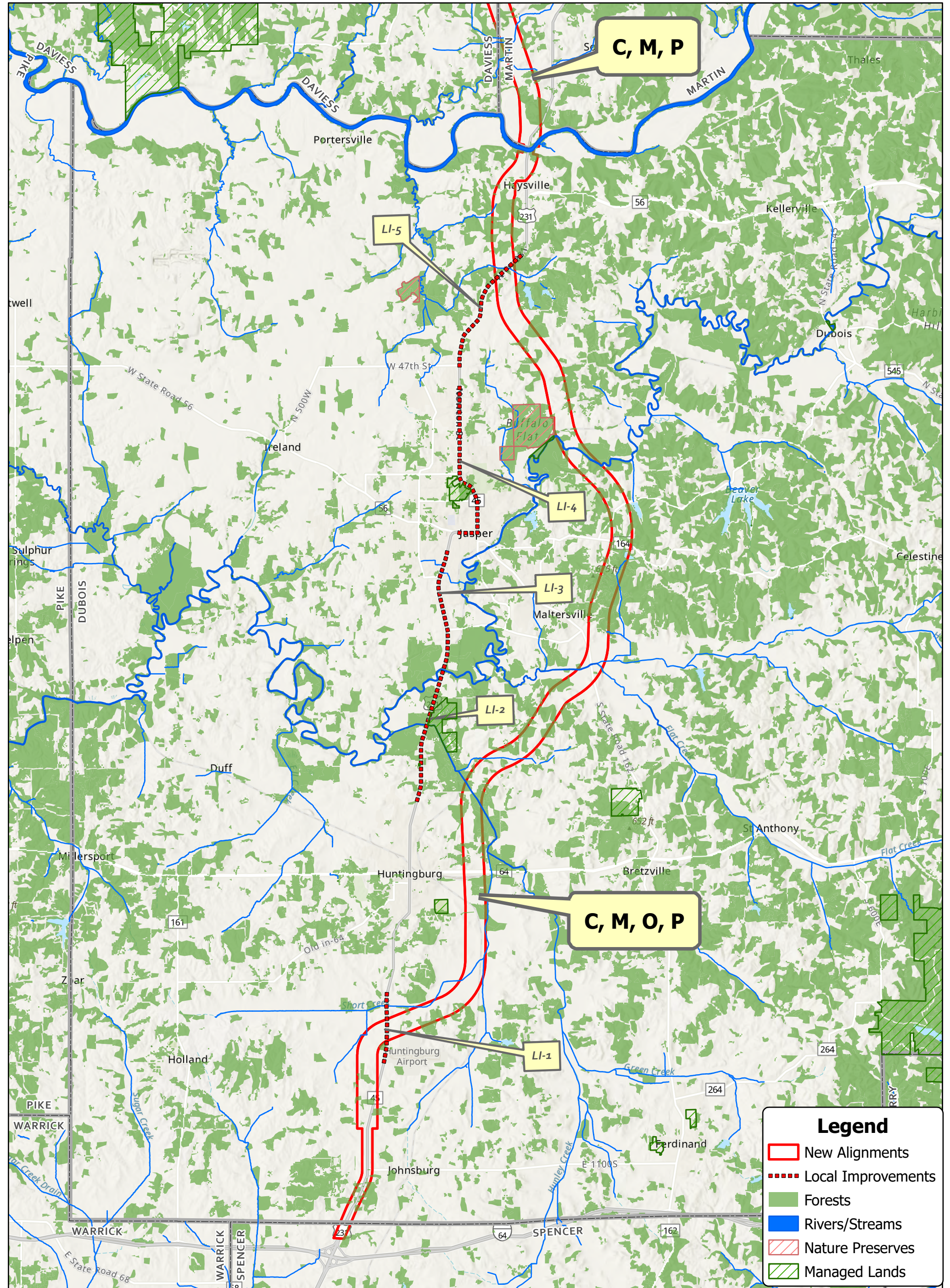


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ALTERNATIVE P





Legend

New Alignments

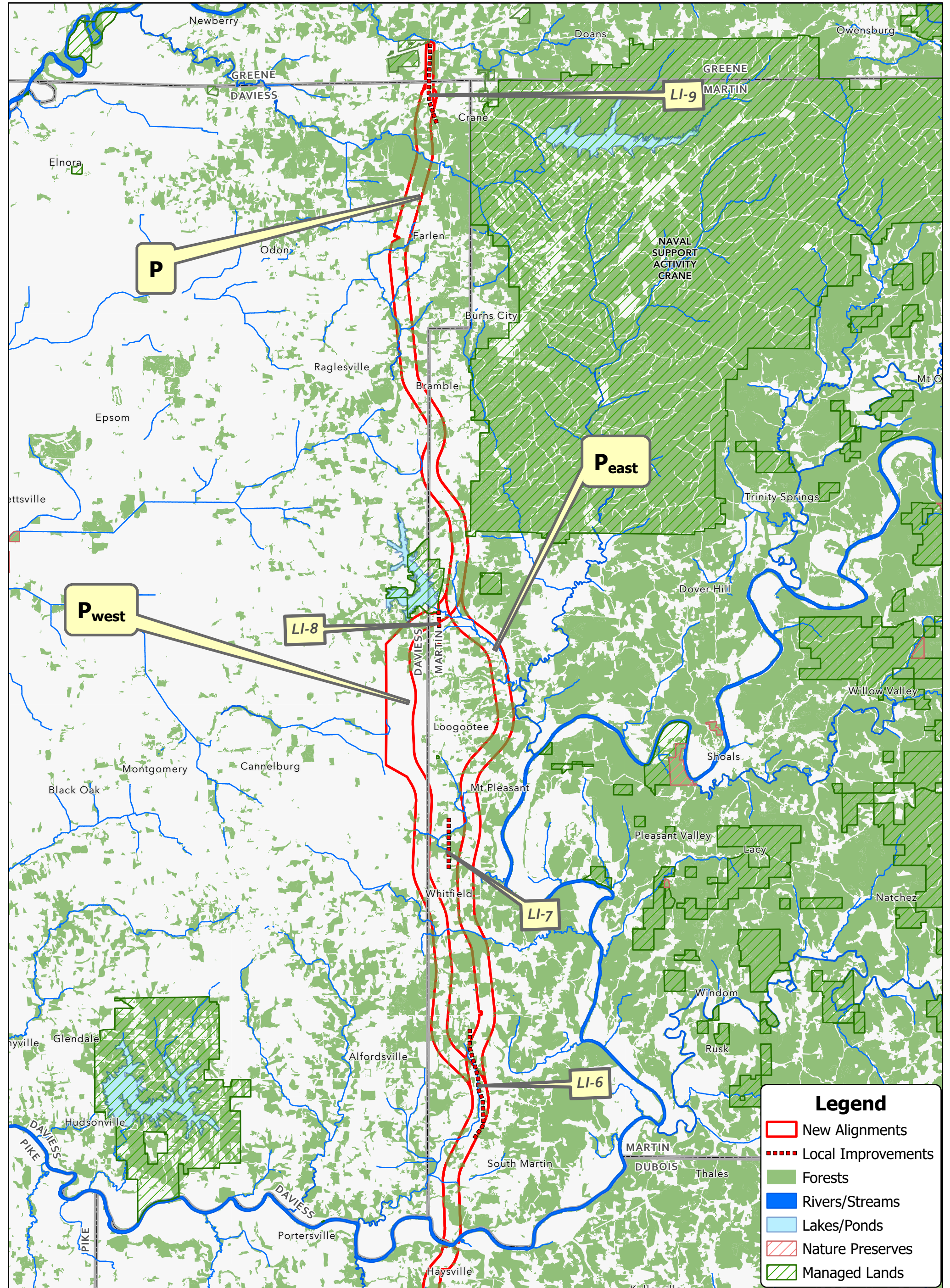
Local Improvements

Forests

Rivers/Streams

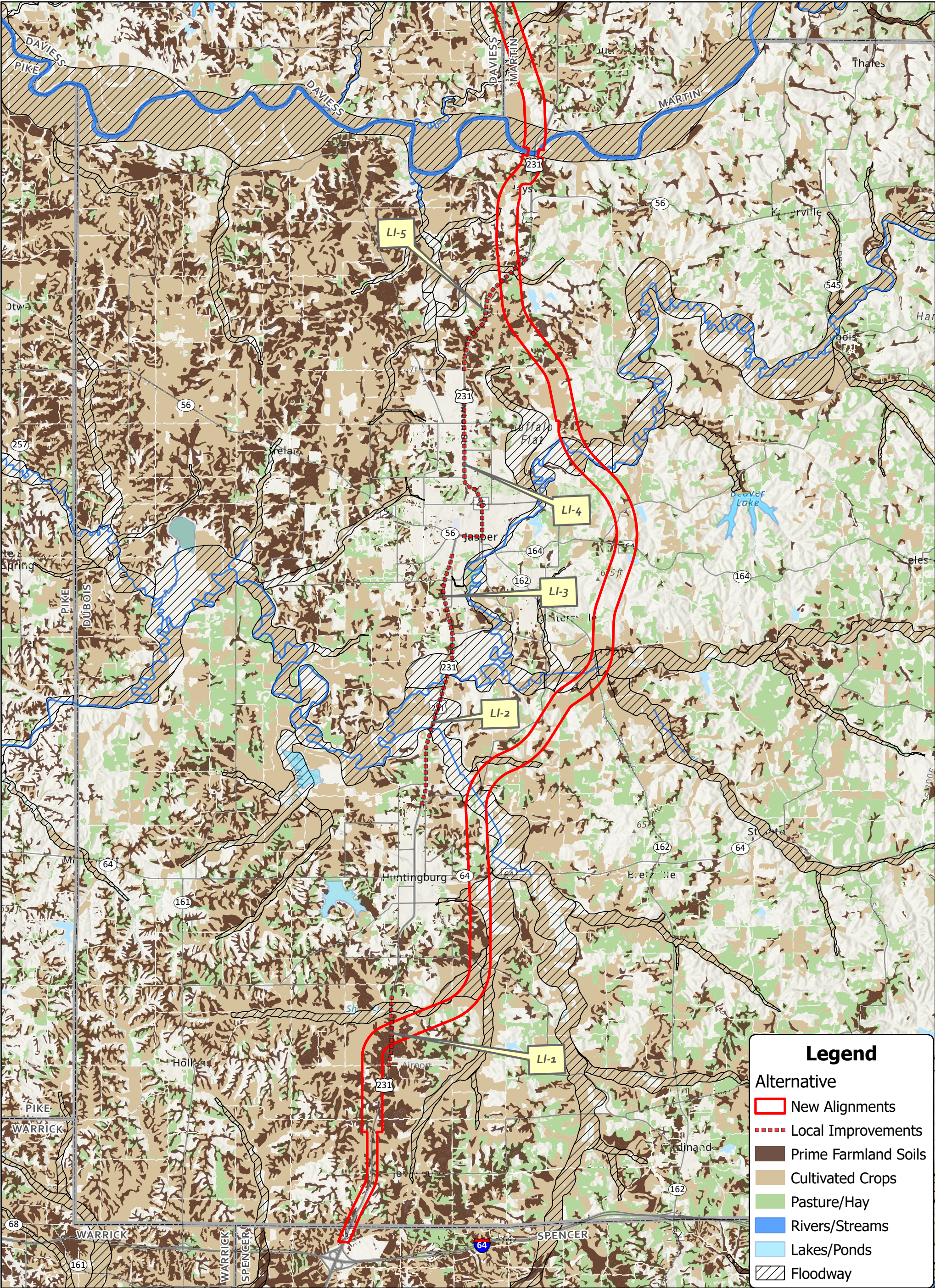
Nature Preserves

Managed Lands



Legend

- New Alignments
- Local Improvements
- Forests
- Rivers/Streams
- Lakes/Ponds
- Nature Preserves
- Managed Lands



Legend

Alternative

- New Alignments
- Local Improvements
- Prime Farmland Soils
- Cultivated Crops
- Pasture/Hay
- Rivers/Streams
- Lakes/Ponds
- Floodway



**MID-STATES
CORRIDOR**

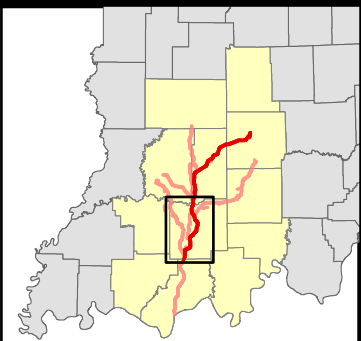
**AGRICULTURE AND PRIME FARMLAND
Alternative P: Section 2**

**Draft Environmental
Impact Statement
(DEIS) Atlas**

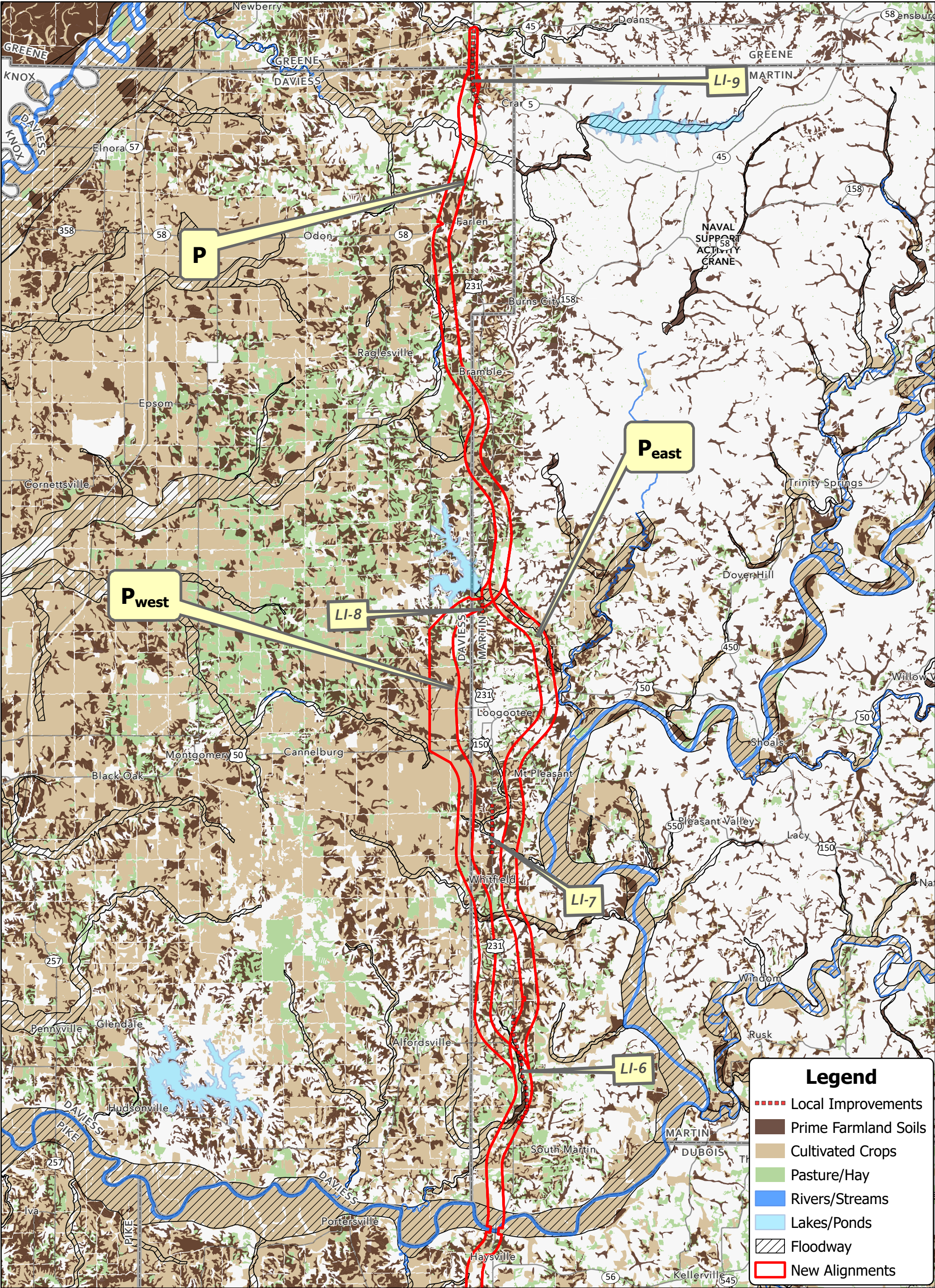
0 0.5 1 2 3 Miles



1/10/2022



Indiana



Legend

- Local Improvements
- Prime Farmland Soils
- Cultivated Crops
- Pasture/Hay
- Rivers/Streams
- Lakes/Ponds
- Floodway
- New Alignments



MID-STATES
CORRIDOR

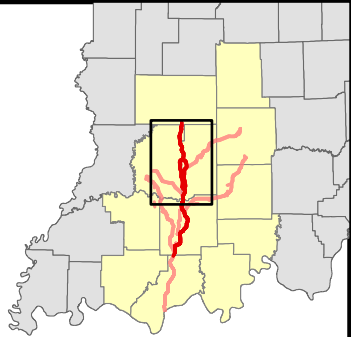
AGRICULTURE AND PRIME FARMLAND
Alternative P: Section 3

Draft Environmental
Impact Statement
(DEIS) Atlas

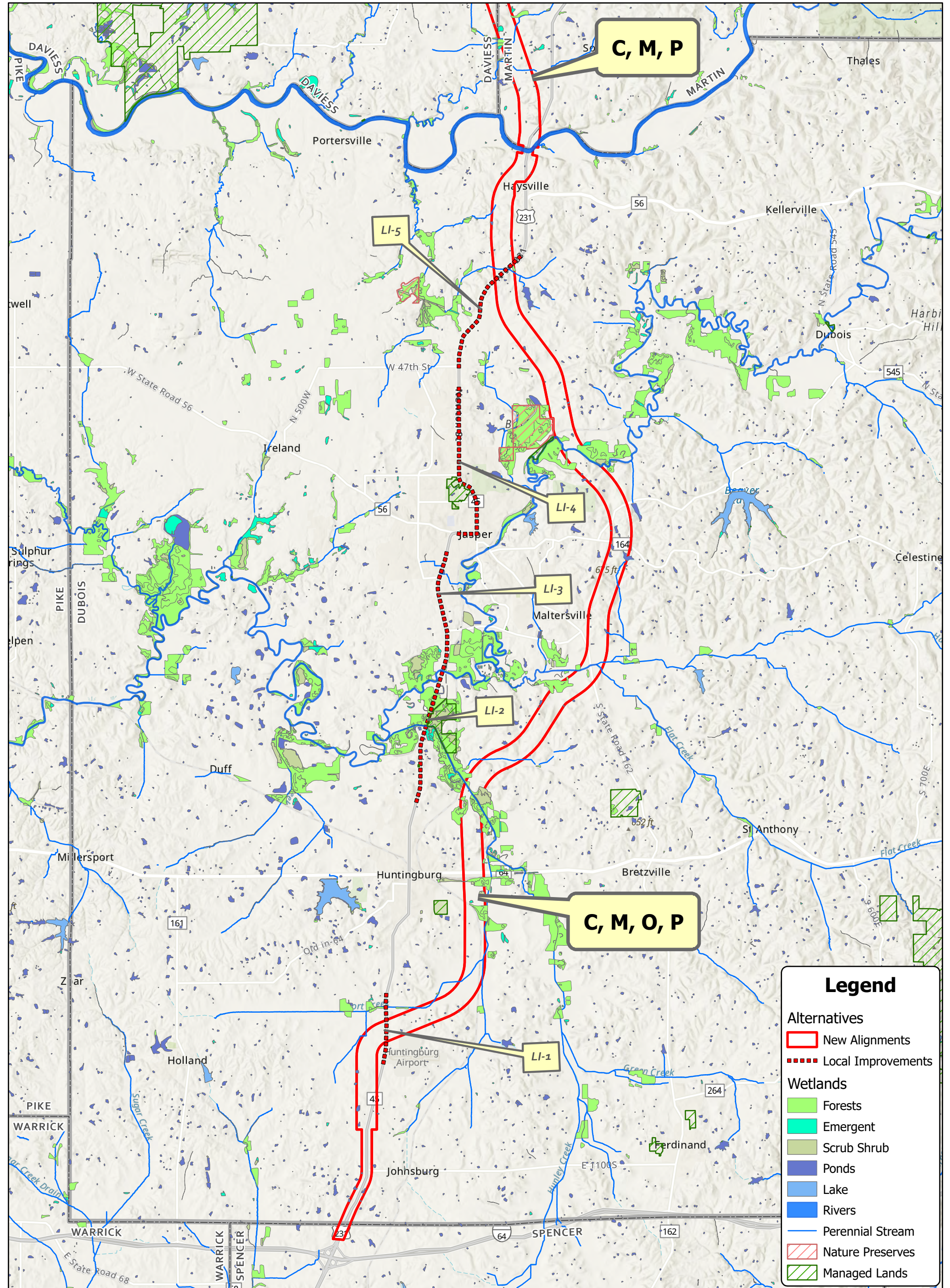
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1/10/2022



Indiana



Legend

Alternatives

New Alignments

Local Improvements

Wetlands

Forests

Emergent

Scrub Shrub

Ponds

Lake

Rivers

Perennial Stream

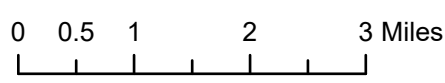
Nature Preserves

Managed Lands

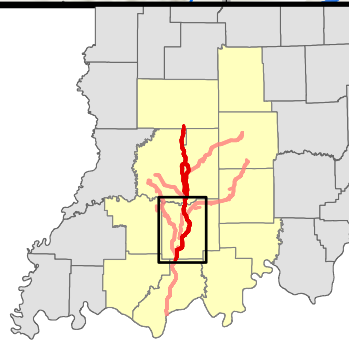


**MID-STATES
CORRIDOR**

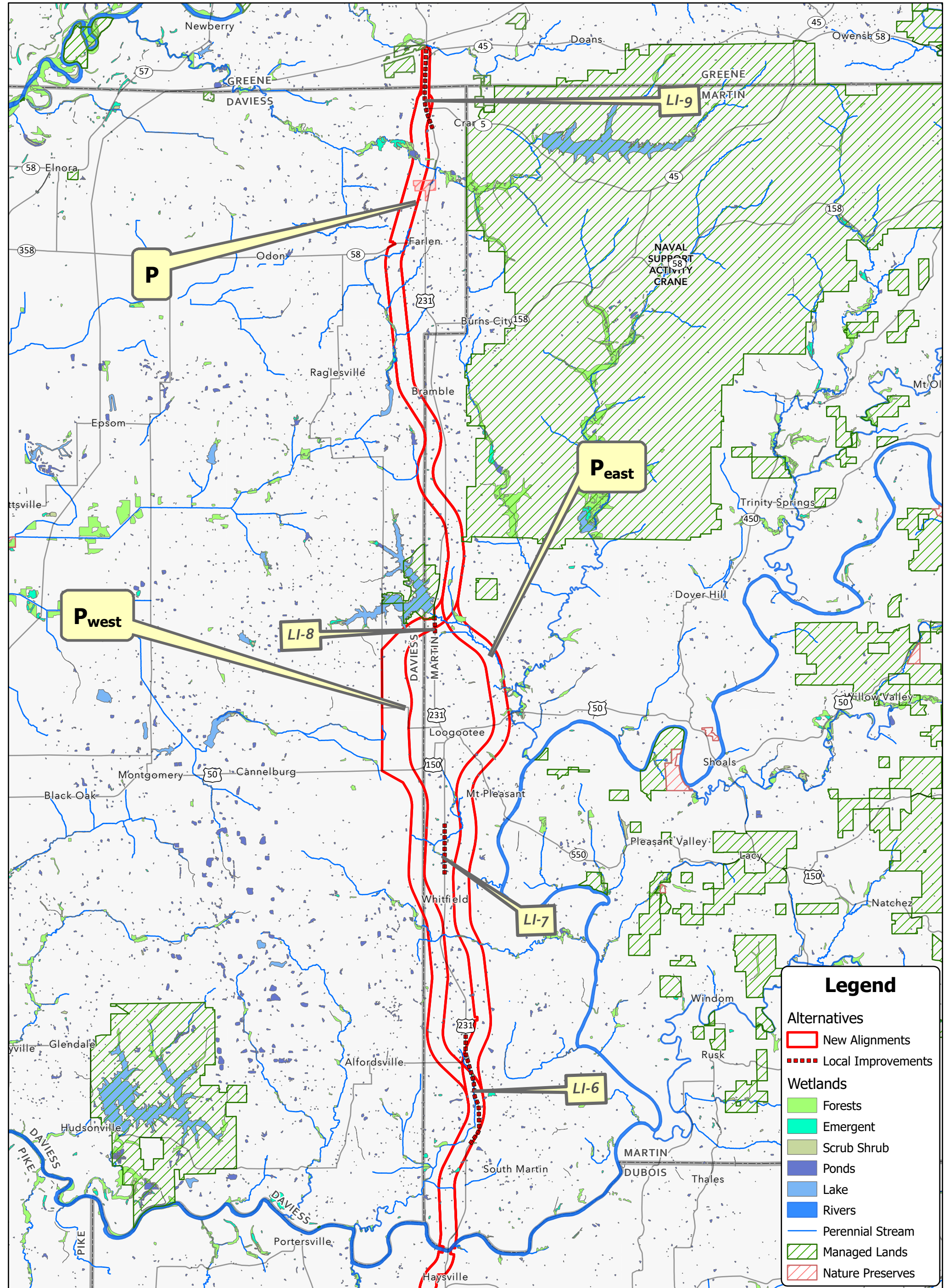
WETLANDS
Alternative P: Section 2
Draft Environmental
Impact Statement
(DEIS) Atlas



1/10/2022



Indiana



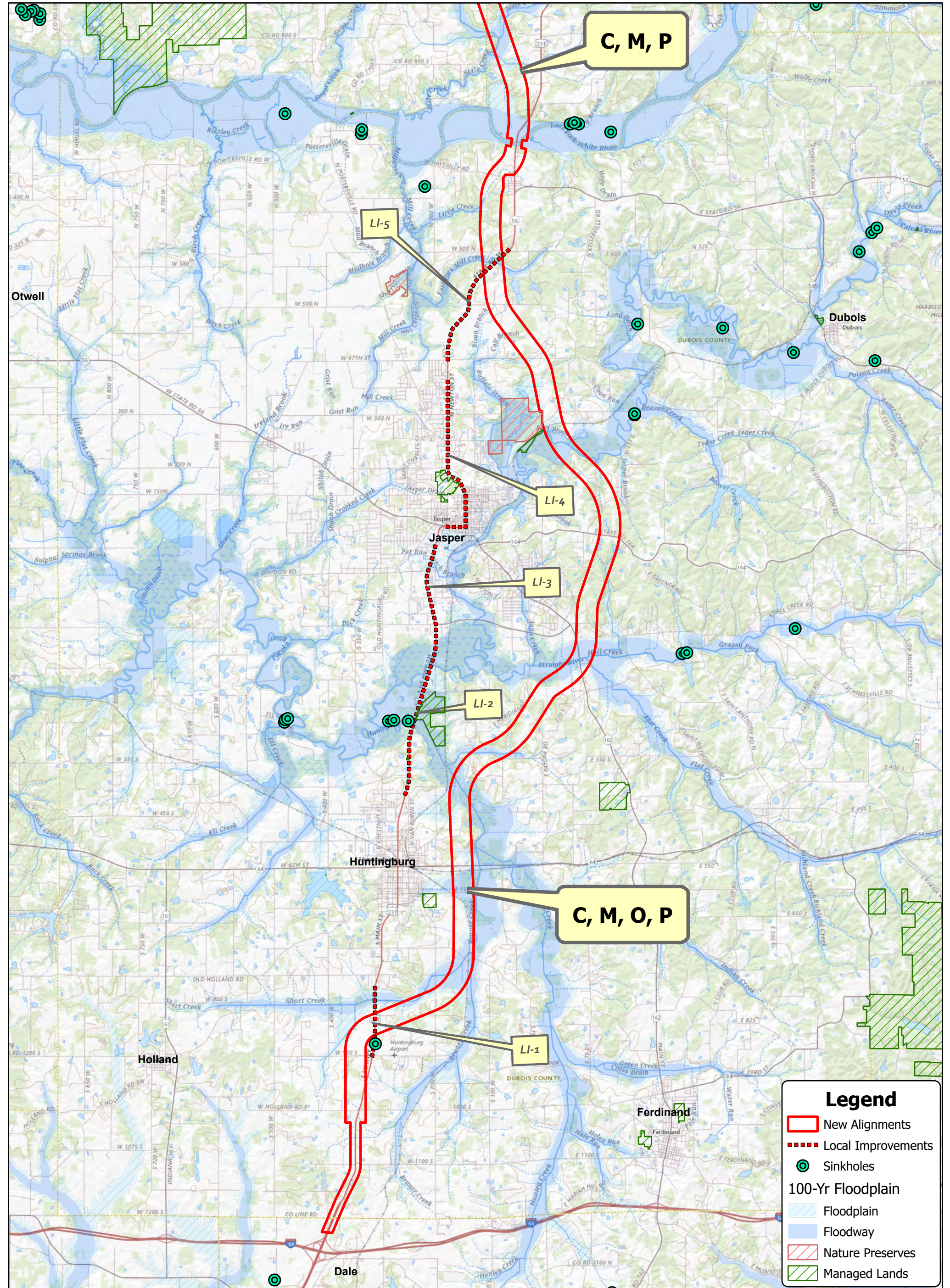
Legend

Alternatives

- New Alignments
- Local Improvements

Wetlands

- Forests
- Emergent
- Scrub Shrub
- Ponds
- Lake
- Rivers
- Perennial Stream
- Managed Lands
- Nature Preserves



Legend

New Alignments

Local Improvements

Sinkholes

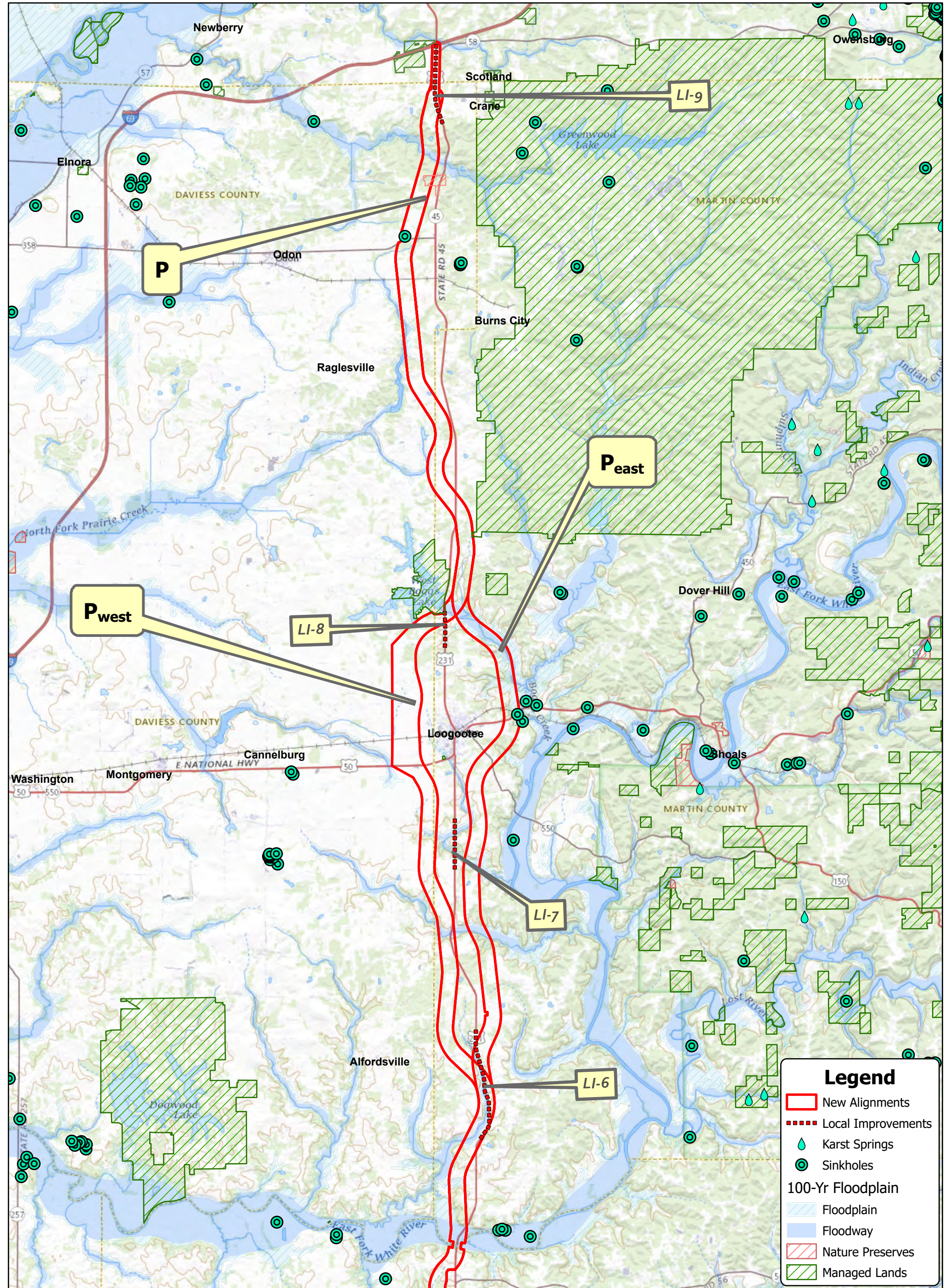
100-Yr Floodplain

Floodplain

Floodway

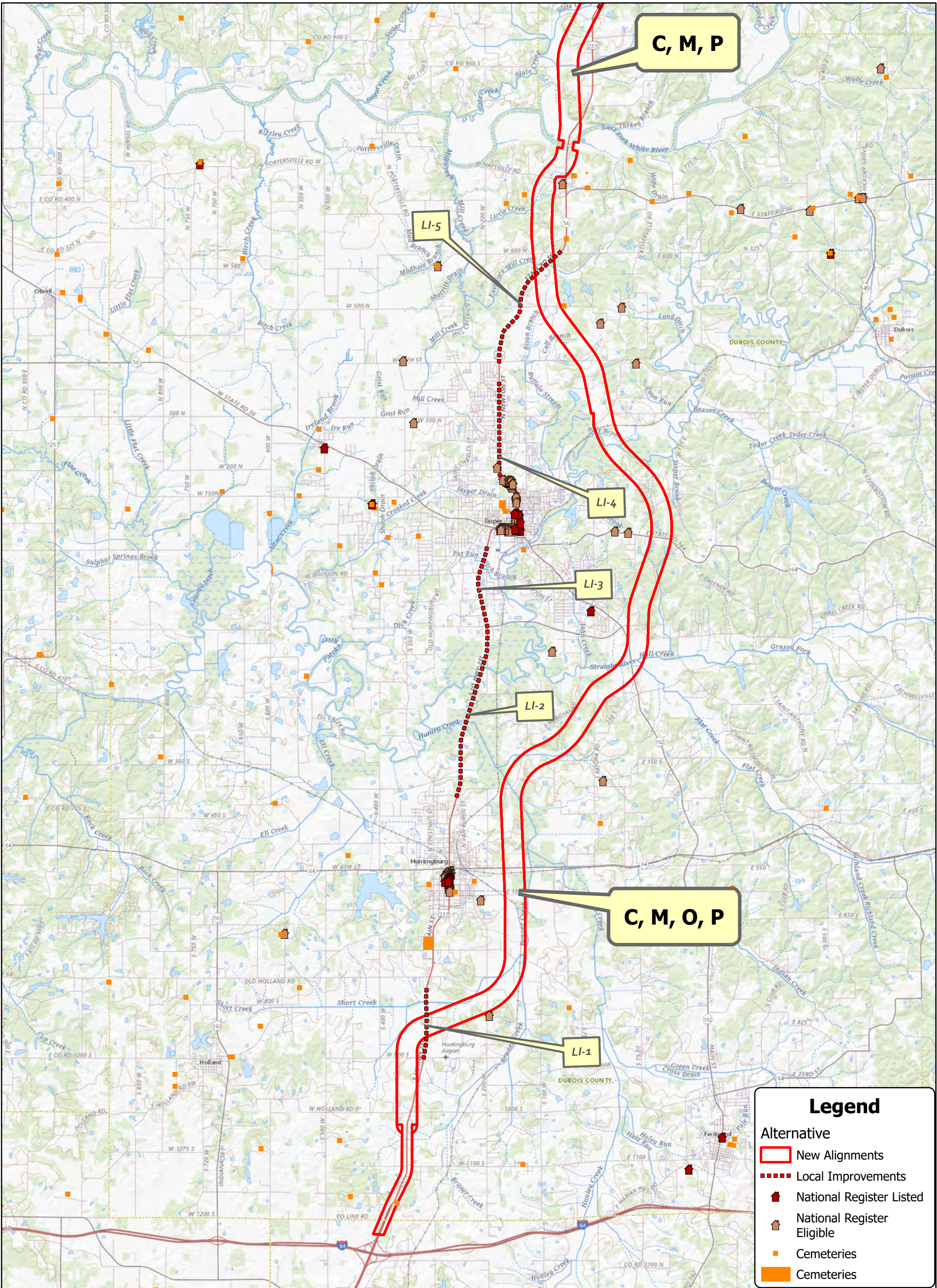
Nature Preserves

Managed Lands



Legend

- New Alignments
- Local Improvements
- Karst Springs
- Sinkholes
- 100-Yr Floodplain**
 - Floodplain
 - Floodway
- Nature Preserves
- Managed Lands



Legend

Alternative

New Alignments

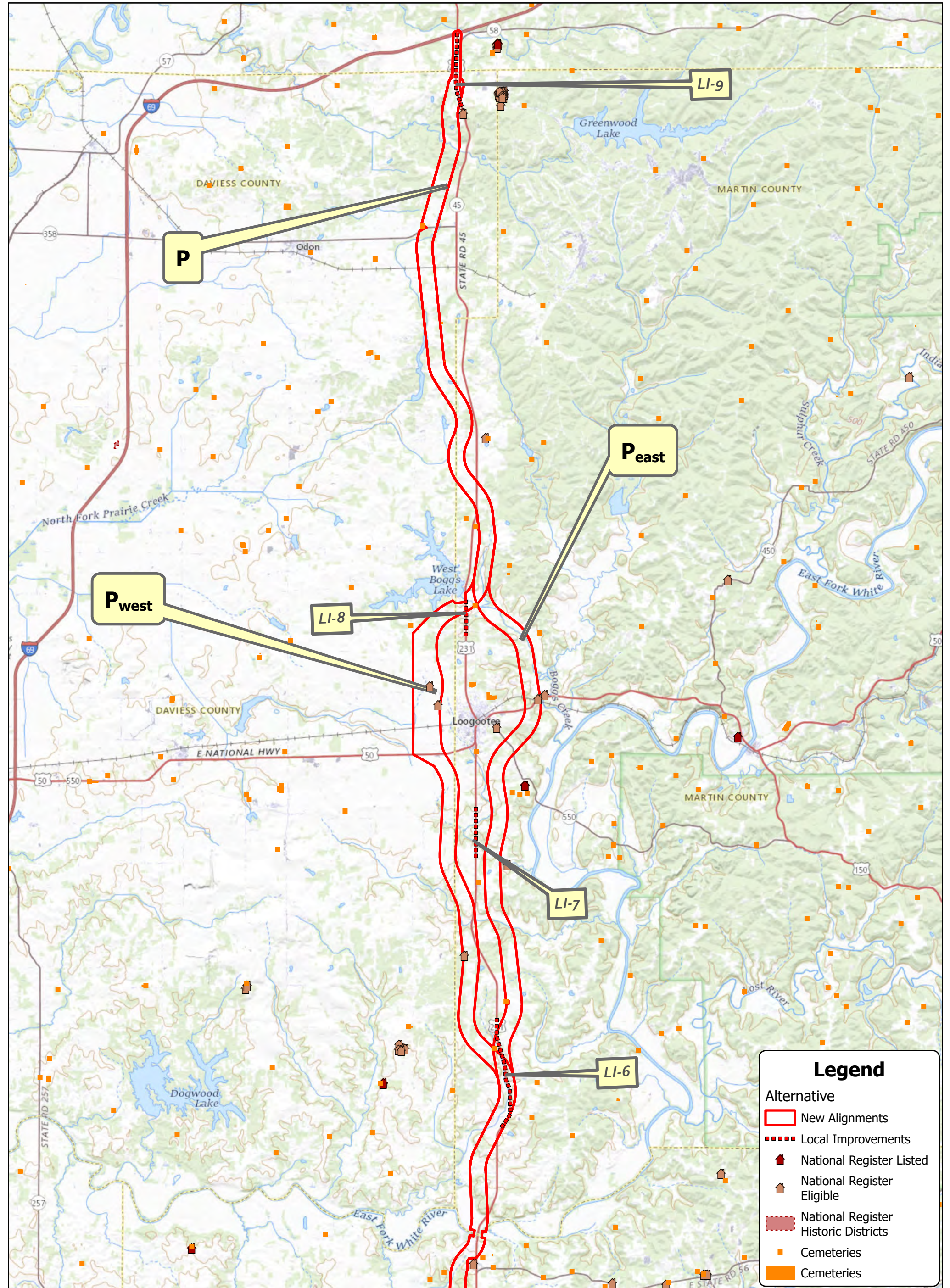
Local Improvements

National Register Listed

National Register Eligible

Cemeteries

Cemeteries



Legend

Alternative

New Alignments

Local Improvements

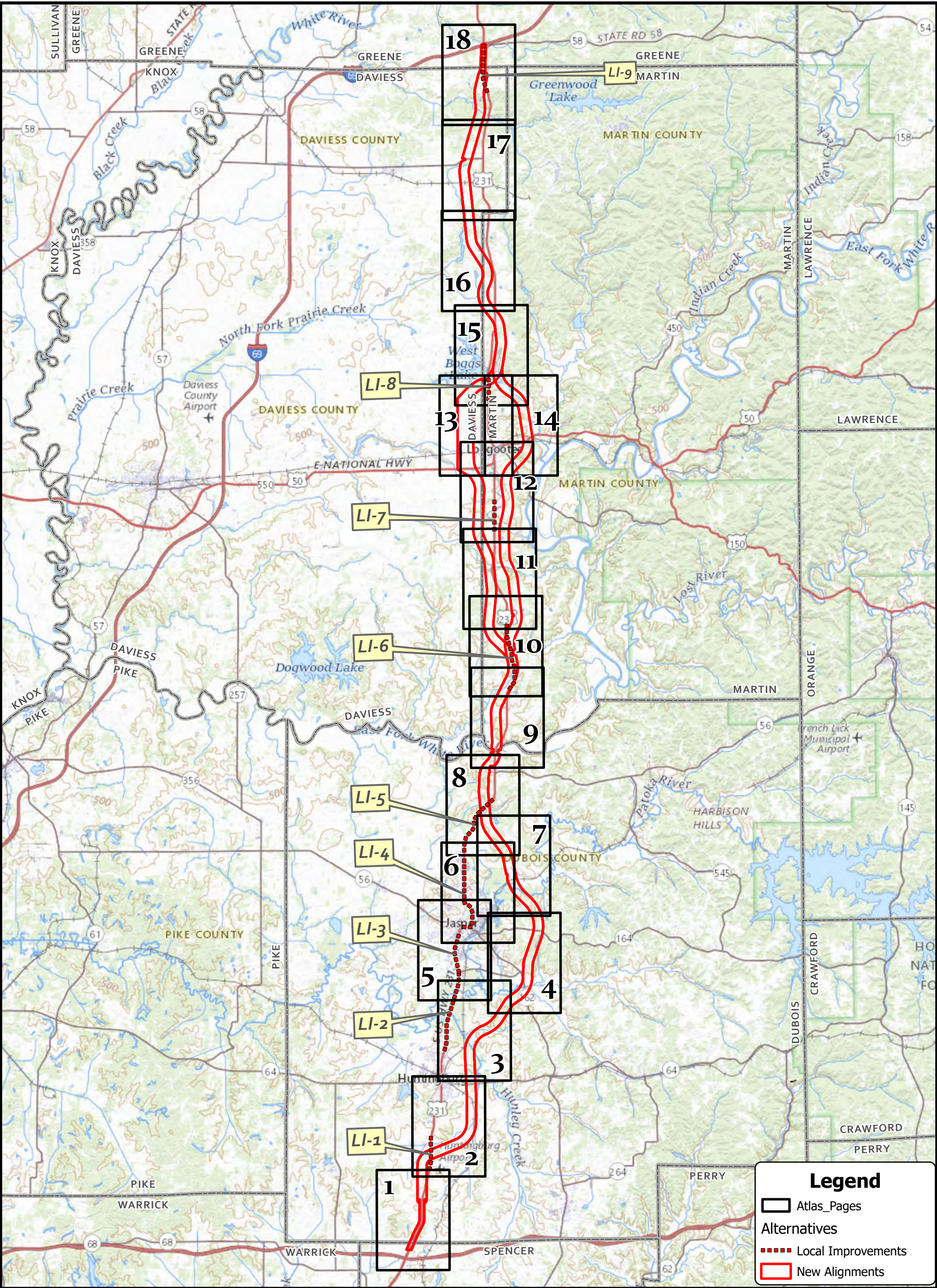
National Register Listed

National Register Eligible

National Register Historic Districts

Cemeteries

Cemeteries



**MID-STATES
CORRIDOR**

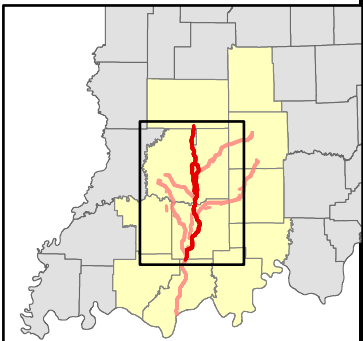
**ATLAS PAGE INDEX
Alternative P**

**Draft Environmental
Impact Statement
(DEIS) Atlas**

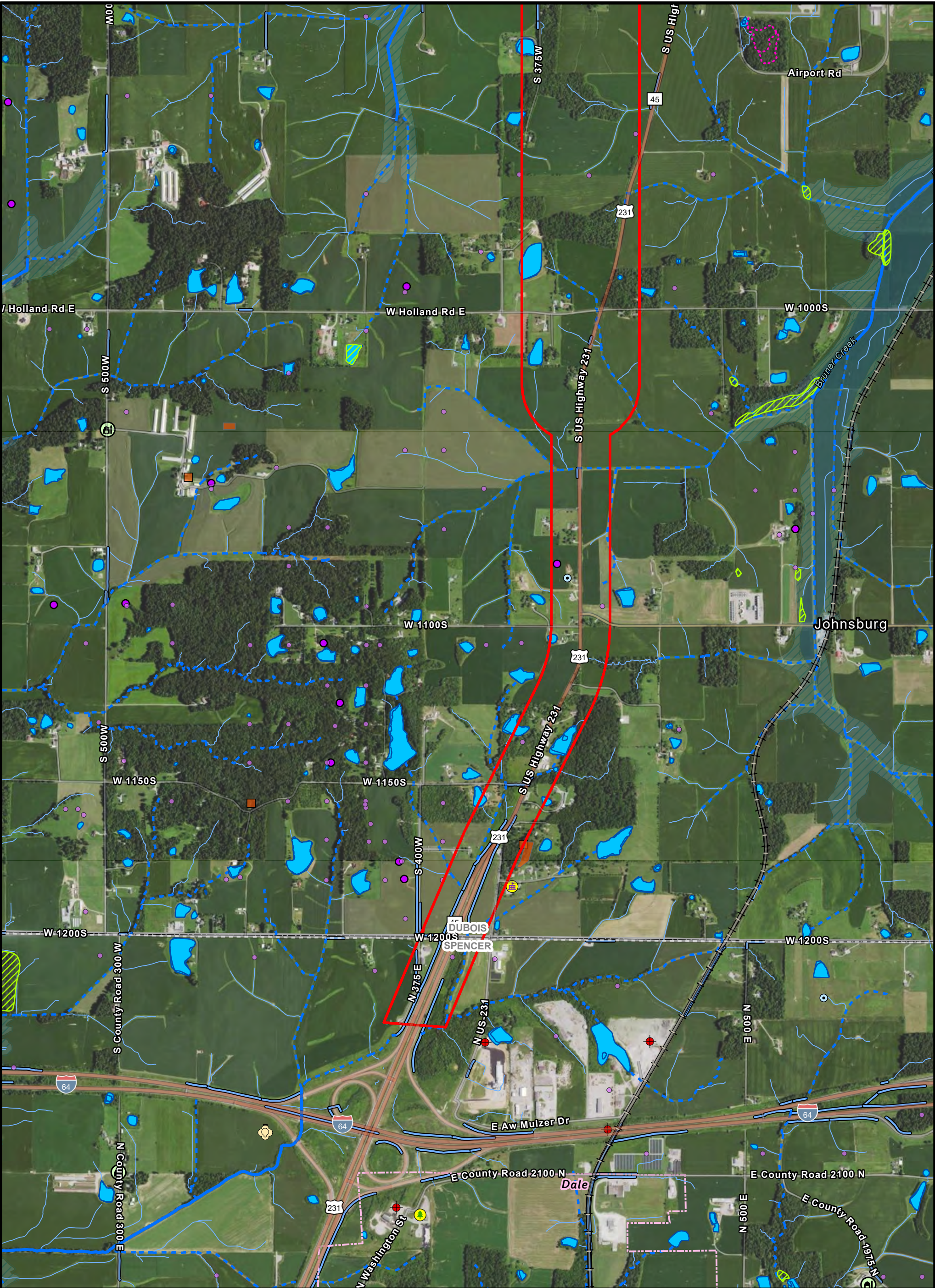
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1/10/2022



Indiana



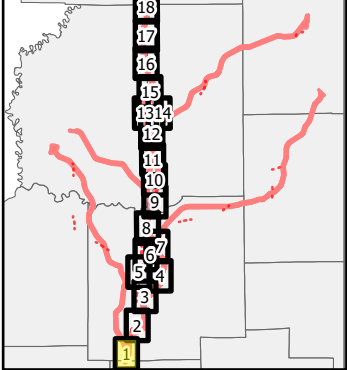
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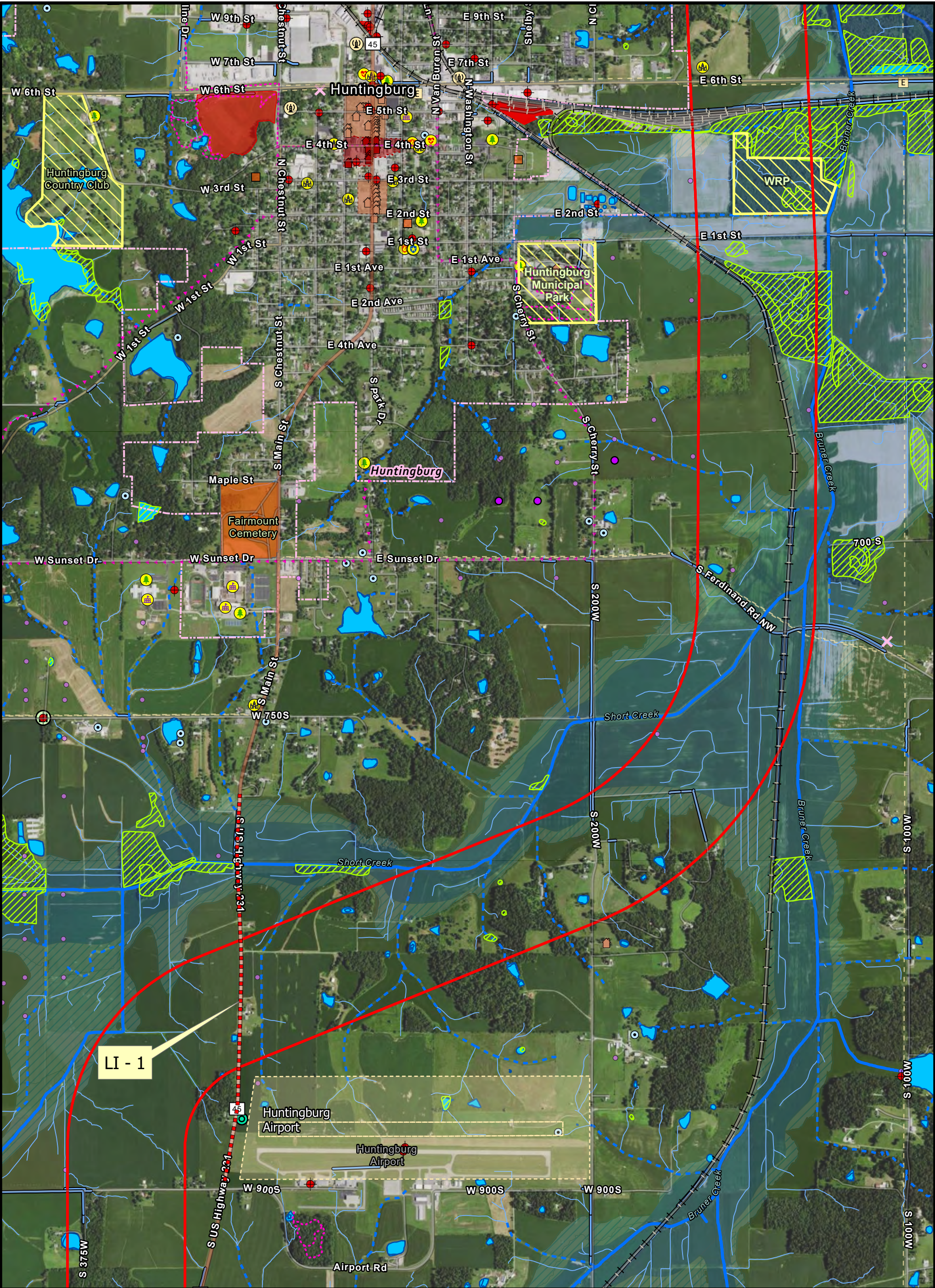
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4/3/2022



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|---------------------|----------------------|-------------------------|-------------------------------------|
| New Alignments | Perennial Stream | Cemetery | Power Plant |
| Counties | Canal/Ditch | Cemetery | Oil & Gas Wells |
| Cities | Unclassified Streams | Education | Test & Other Wells |
| Lakes/Ponds | Floodway | Recreational Facilities | Properties of Environmental Concern |
| Wetlands | Floodplain | Water Wells | Confined Feeding Operations |
| Intermittent Stream | Trails | Active Railroads | |











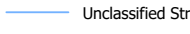



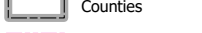




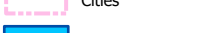




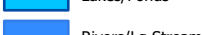
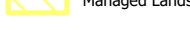





















**MID-STATES
CORRIDOR**

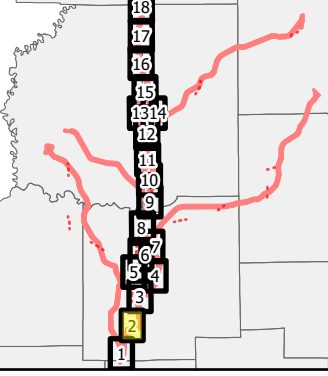
**Tier 1 DEIS Atlas
Alternative P
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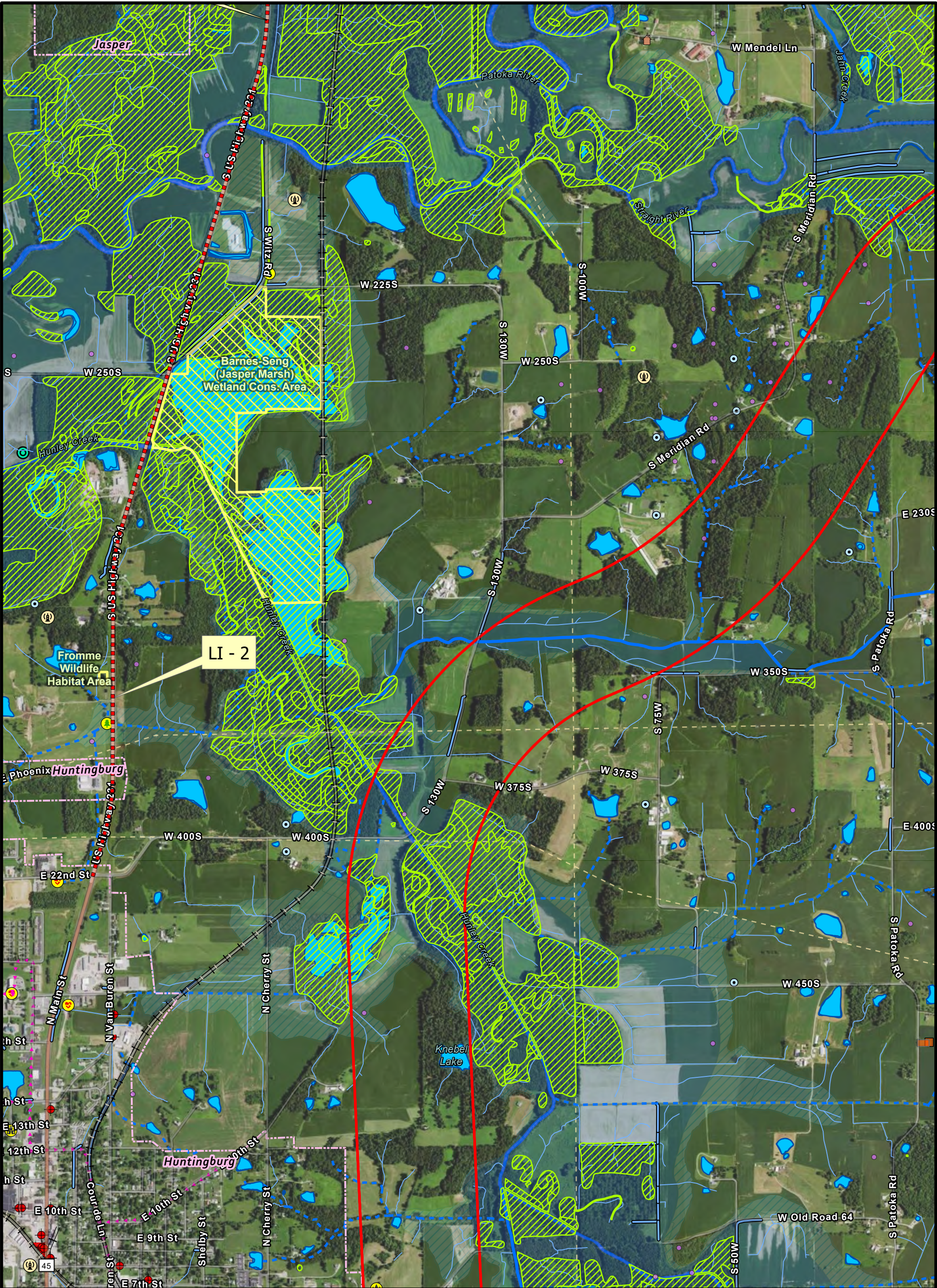
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4/3/2022

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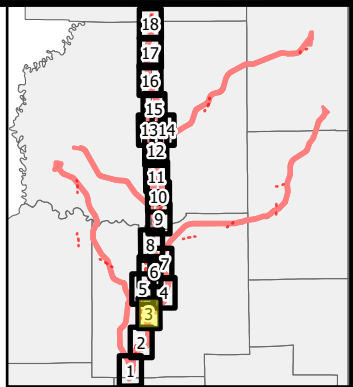
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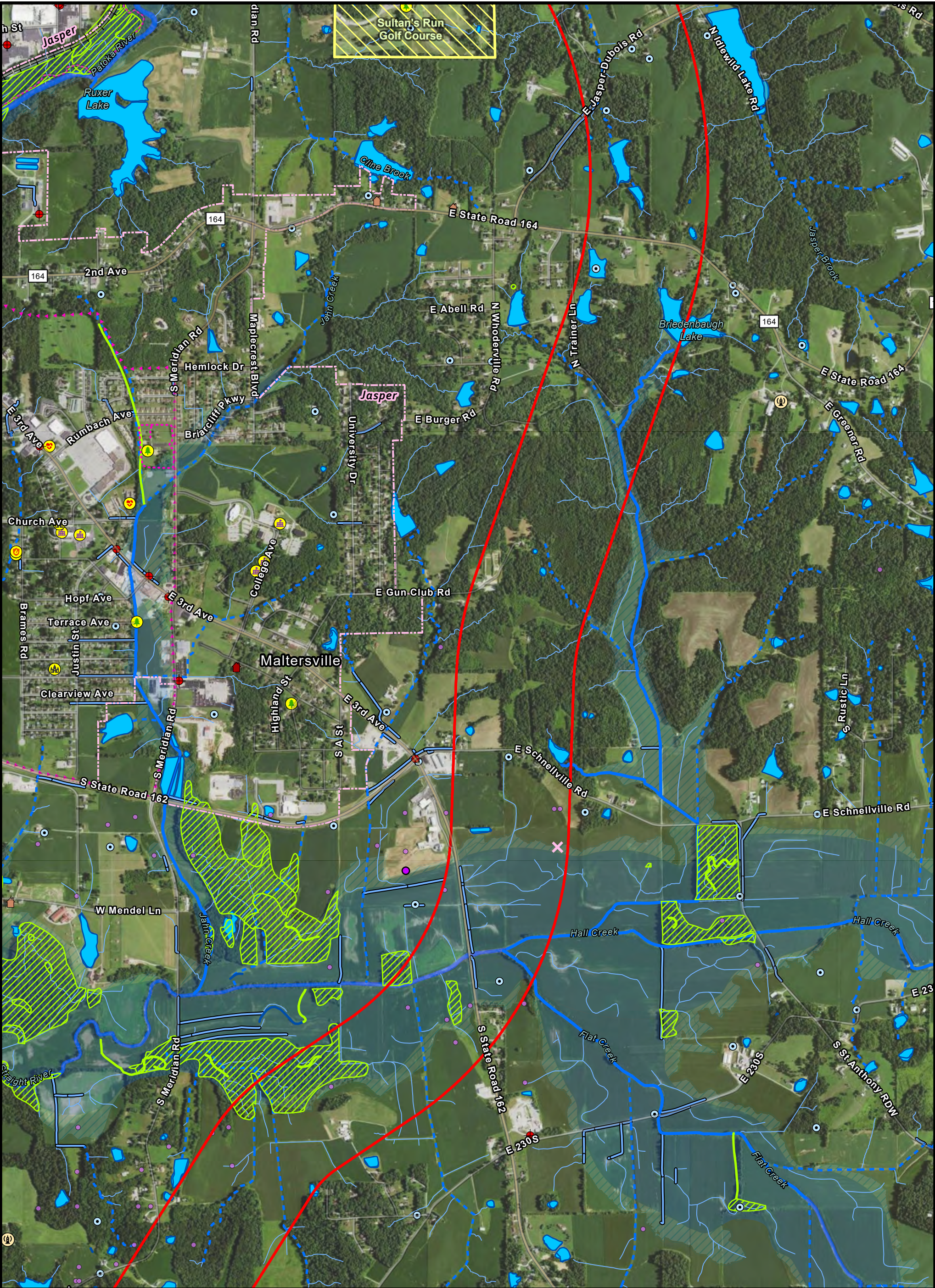
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| New Alignments | Perennial Stream | Cemetery | Antennas >200Ft |
| Local Improvements | Canal/Ditch | Sinkholes | Active Railroads |
| Counties | Unclassified Streams | National Register Eligible | Electric Lines |
| Cities | Floodway | Religious Centers | Test & Other Wells |
| Lakes/Ponds | Floodplain | Hospitals and Medical Care | Properties of Environmental Concern |
| Rivers/Lg Streams | Managed Lands | Recreational Facilities | Properties of Environmental Concern |
| Wetlands | Planned Trails | Water Wells | |
| Intermittent Stream | Cemetery | | |





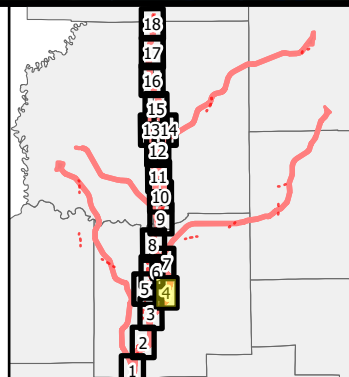
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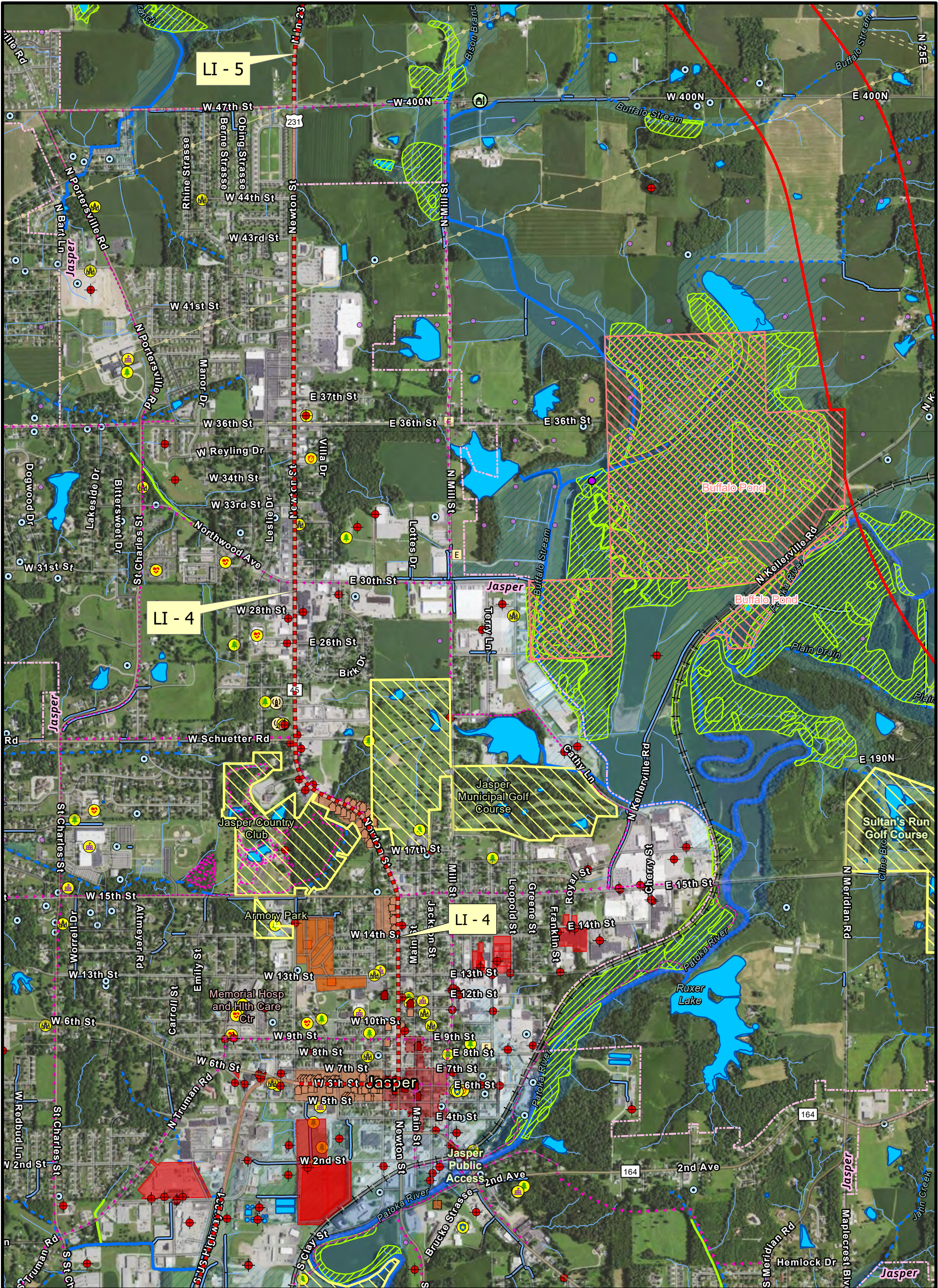
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| New Alignments | Canal/Ditch | National Register Listed | Water Wells |
| Counties | Unclassified Streams | National Register Eligible | Antennas >200Ft |
| Cities | Floodway | Religious Centers | Active Railroads |
| Lakes/Ponds | Floodplain | Fire Stations and EMS | Industrial Minerals |
| Rivers/Lg Streams | Managed Lands | Hospitals and Medical Care | Oil & Gas Wells |
| Wetlands | Trails | Education | Test & Other Wells |
| Intermittent Stream | Planned Trails | Recreational Facilities | Properties of Environmental Concern |
| Perennial Stream | | | |





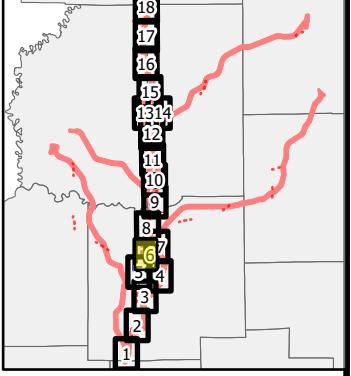
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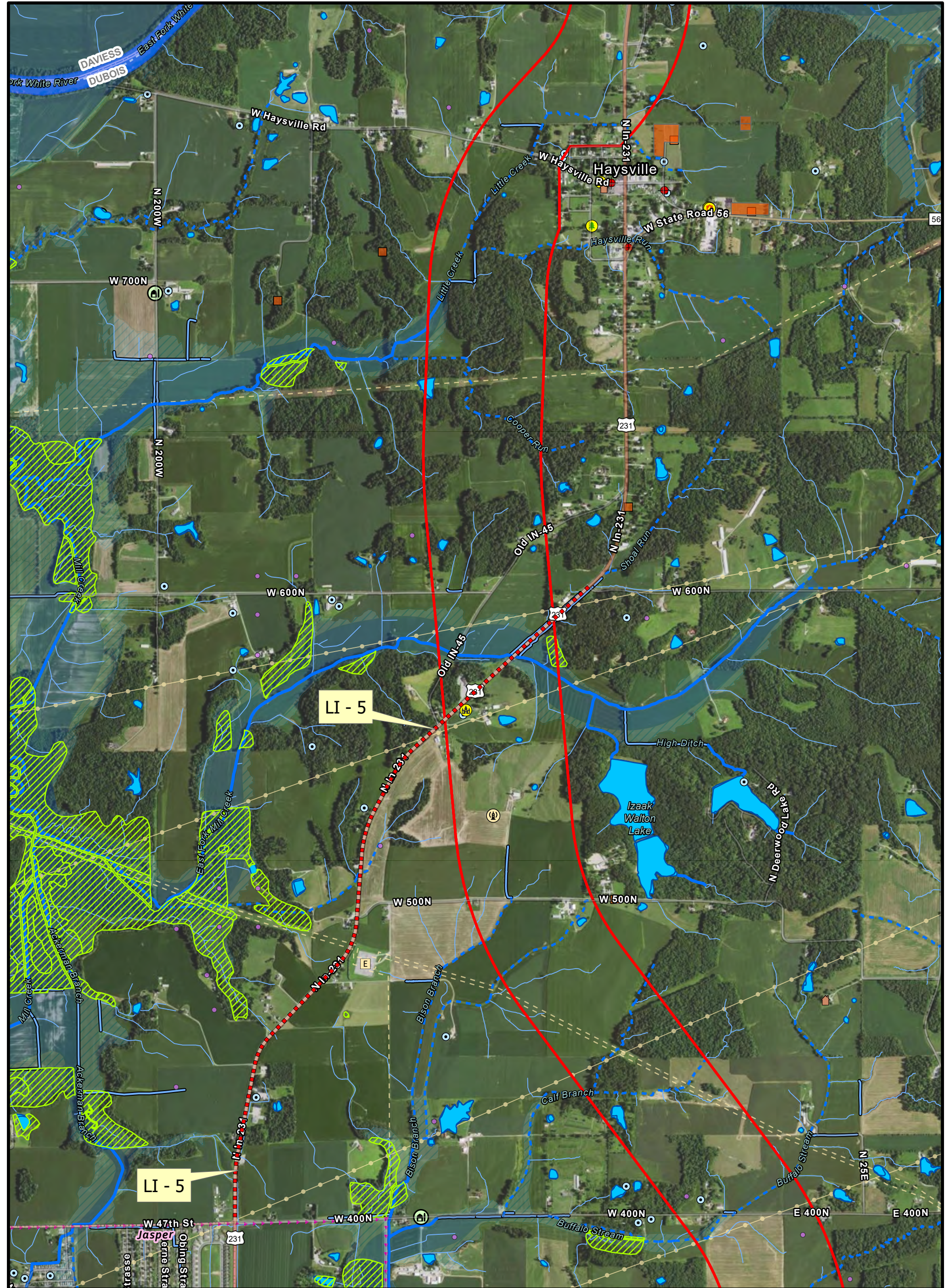
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| New Alignments | Canal/Ditch | Cemetery | Fire Stations and EMS | Pipelines |
| Local Improvements | Unclassified Streams | Cemetery | Hospitals and Medical Care | Electric Lines |
| Counties | Floodway | National Register Listed | Education | Oil & Gas Wells |
| Cities | Floodplain | National Register Eligible | Recreational Facilities | Test & Other Wells |
| Lakes/Ponds | Managed Lands | National Register Historic Districts | Water Wells | Properties of Environmental Concern |
| Rivers/Lg Streams | Nature Preserve | Potential Historic Districts | Antennas >200ft | Properties of Environmental Concern |
| Wetlands | Trails | Religious Centers | Active Railroads | Confined Feeding Operations |
| Intermittent Stream | Planned Trails | Police | Electric Substation | |
| Perennial Stream | | | | |







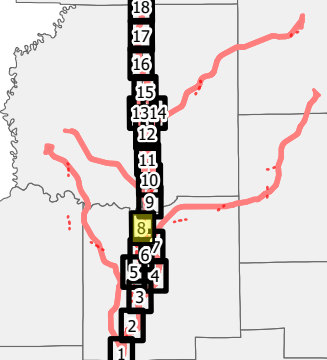
**MID-STATES
CORRIDOR**

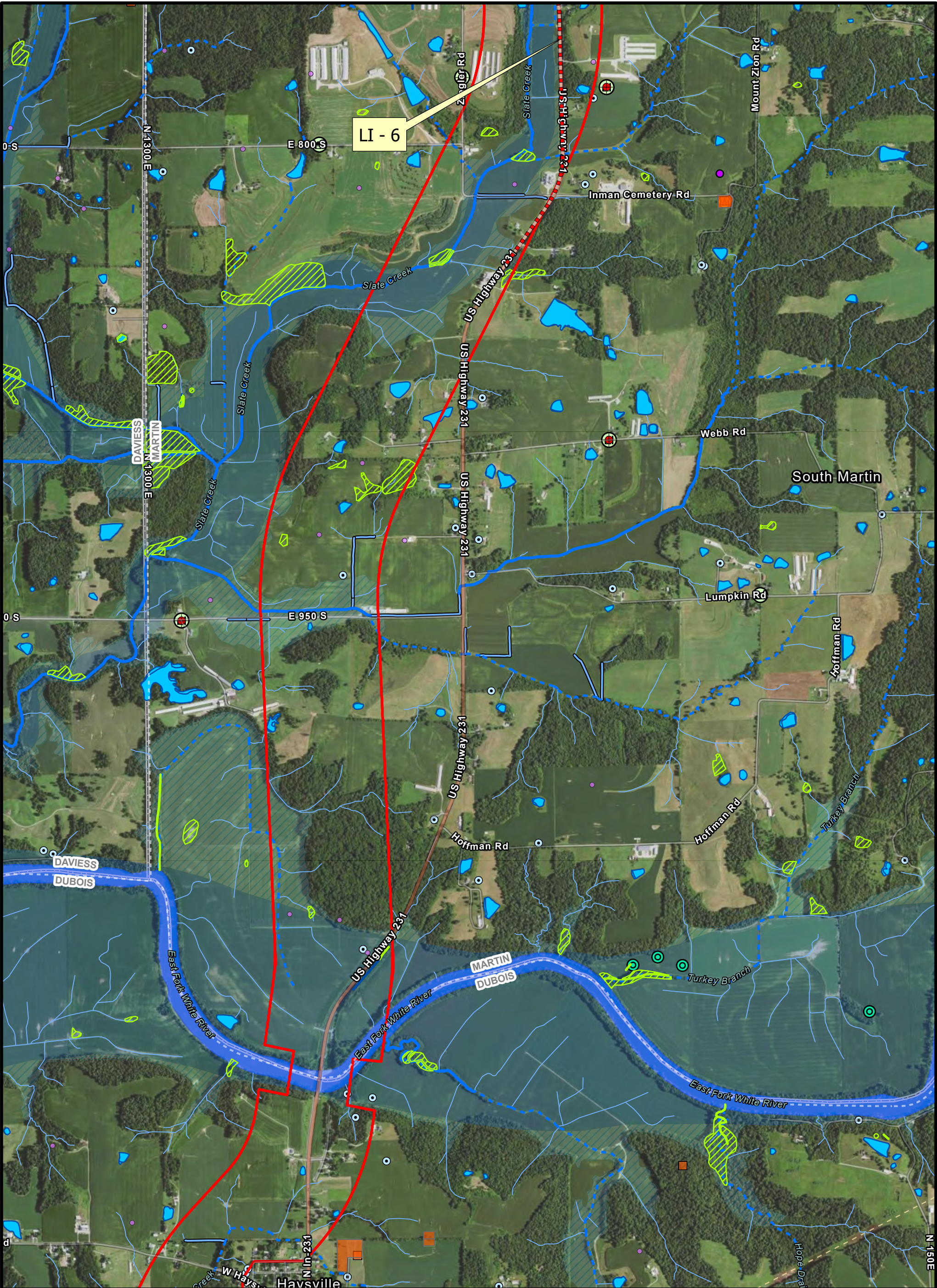
Tier 1 DEIS Atlas
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4/3/2022

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| New Alignments | Wetlands | Floodplain | National Register Eligible | Electric Substation |
| Local Improvements | Intermittent Stream | Trails | Religious Centers | Pipelines |
| Counties | Perennial Stream | Planned Trails | Fire Stations and EMS | Electric Lines |
| Cities | Canal/Ditch | Cemetery | Recreational Facilities | Test & Other Wells |
| Lakes/Ponds | Unclassified Streams | Cemetery | Water Wells | Properties of Environmental Concern |
| Rivers/Lg Streams | Floodway | Sinkholes | Antennas >200Ft | Confined Feeding Operations |





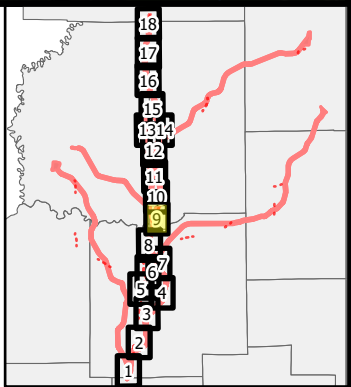
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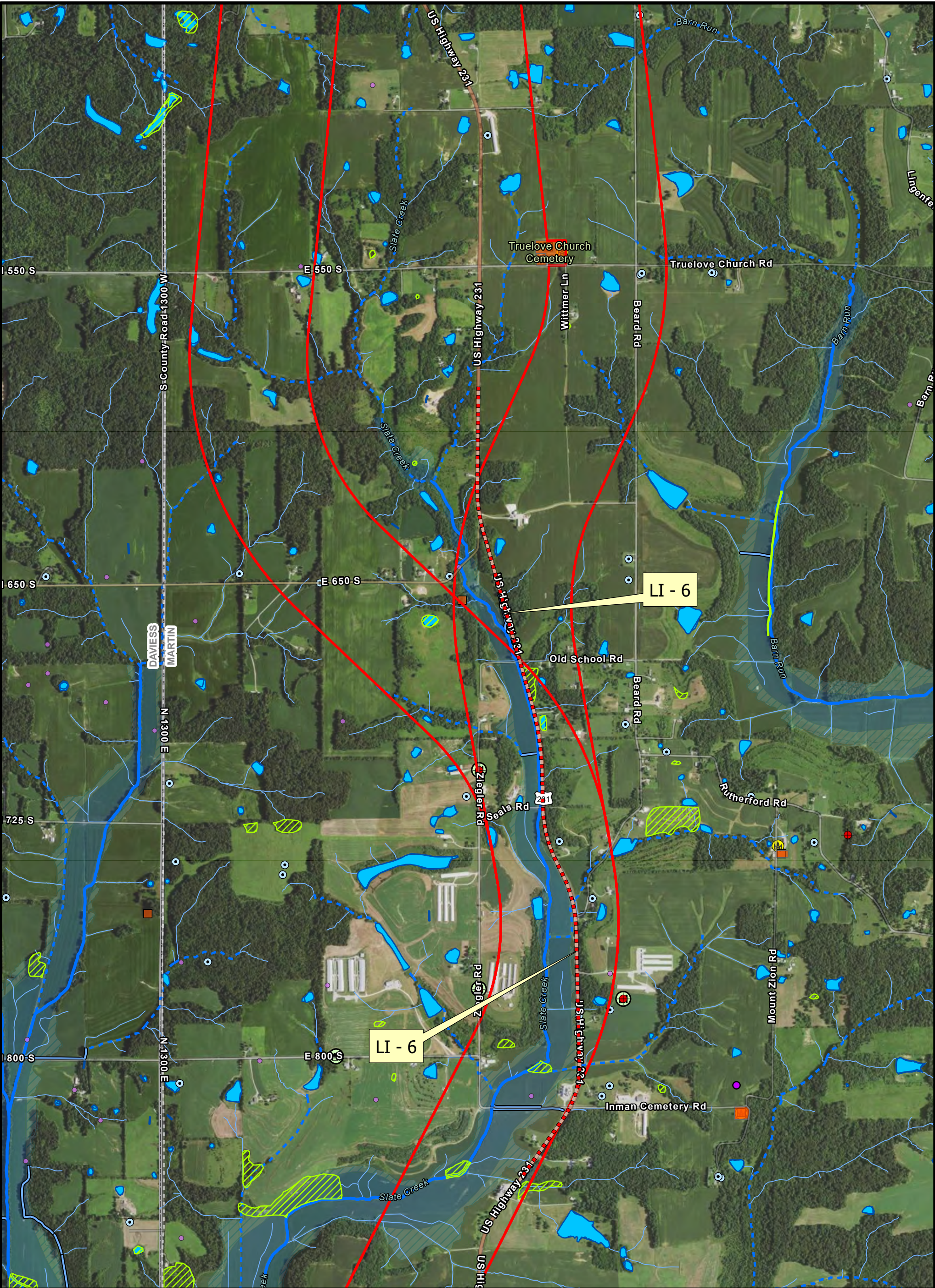
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| New Alignments | Intermittent Stream | Cemetery | Oil & Gas Wells |
| Local Improvements | Perennial Stream | Cemetery | Test & Other Wells |
| Counties | Canal/Ditch | Sinkholes | Properties of Environmental Concern |
| Lakes/Ponds | Unclassified Streams | Religious Centers | Confined Feeding Operations |
| Rivers/Lg Streams | Floodway | Water Wells | |
| Wetlands | Floodplain | Electric Lines | |





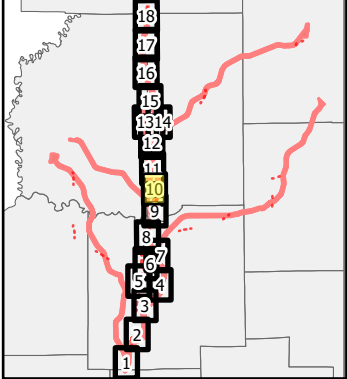
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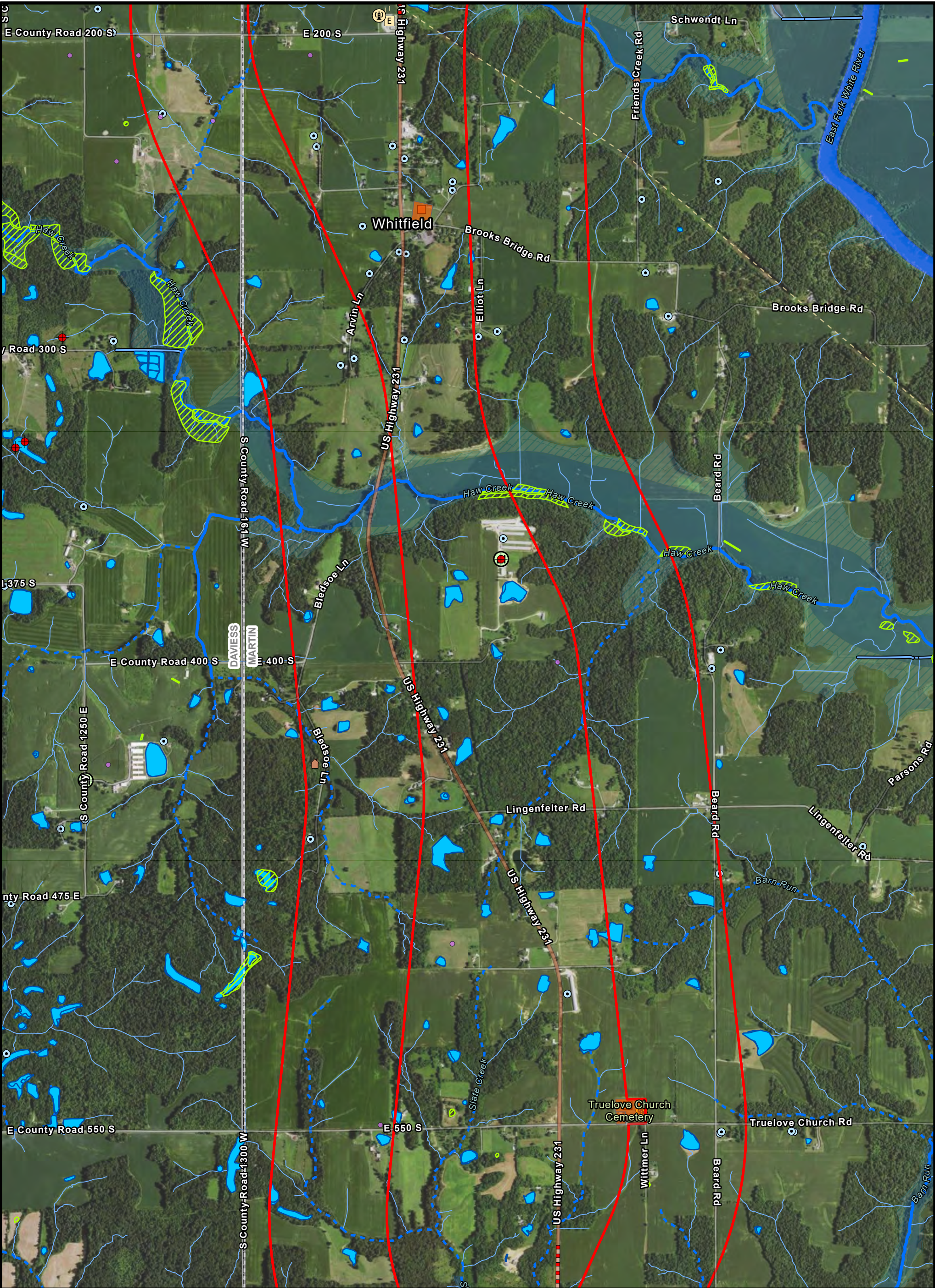
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| New Alignments | Intermittent Stream | Floodplain | Oil & Gas Wells |
| Local Improvements | Perennial Stream | Cemetery | Test & Other Wells |
| Counties | Canal/Ditch | Cemetery | Properties of Environmental Concern |
| Lakes/Ponds | Unclassified Streams | Religious Centers | Confined Feeding Operations |
| Wetlands | Floodway | Water Wells | |





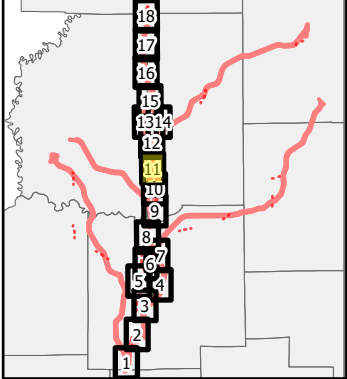
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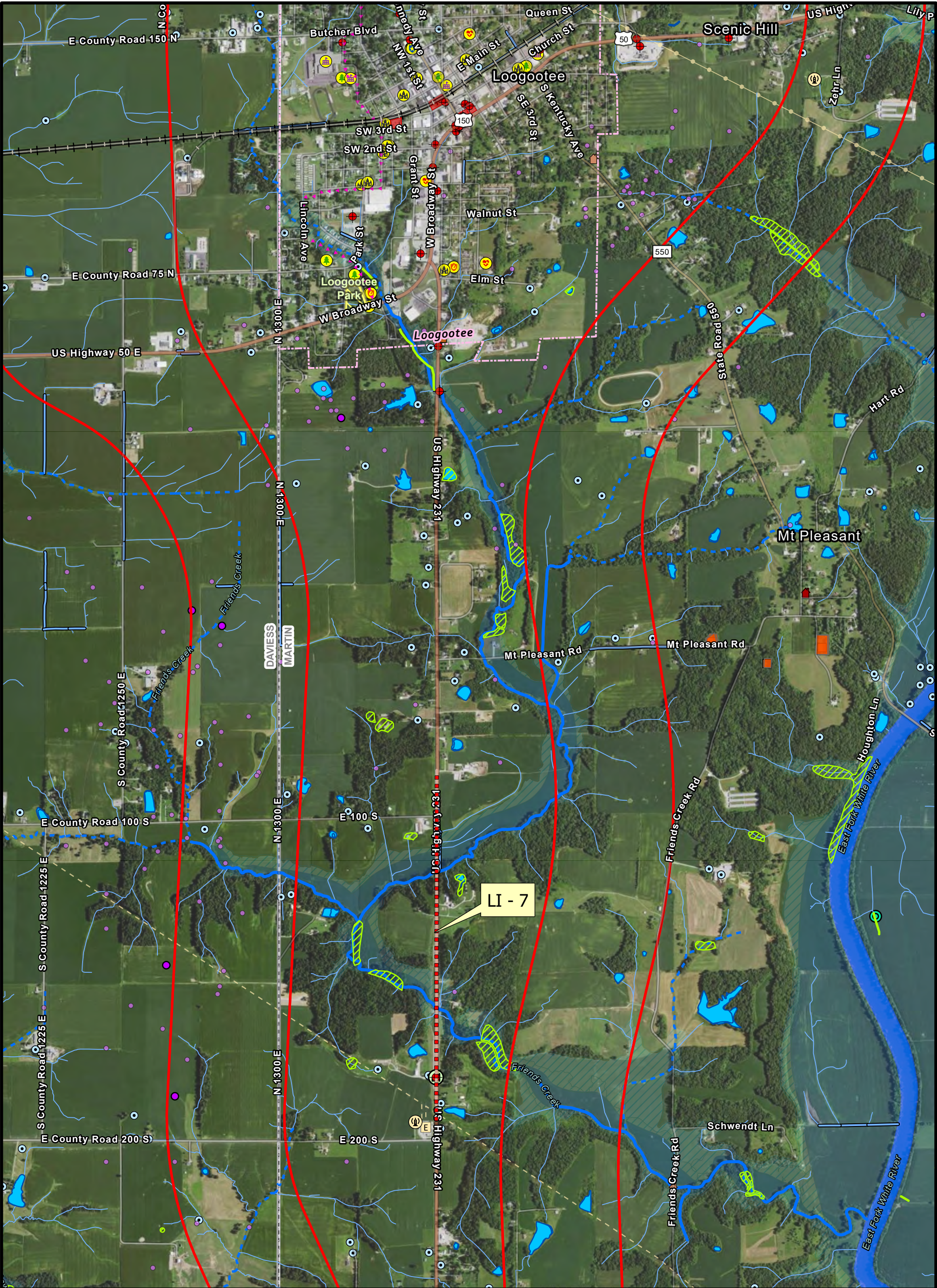
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| New Alignments | Intermittent Stream | Cemetery | Electric Substation |
| Local Improvements | Perennial Stream | Cemetery | Electric Lines |
| Counties | Canal/Ditch | National Register Eligible | Test & Other Wells |
| Lakes/Ponds | Unclassified Streams | Religious Centers | Properties of Environmental Concern |
| Rivers/Lg Streams | Floodway | Water Wells | Confined Feeding Operations |
| Wetlands | Floodplain | Antennas >200Ft | |





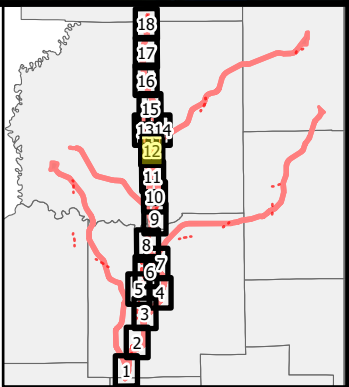
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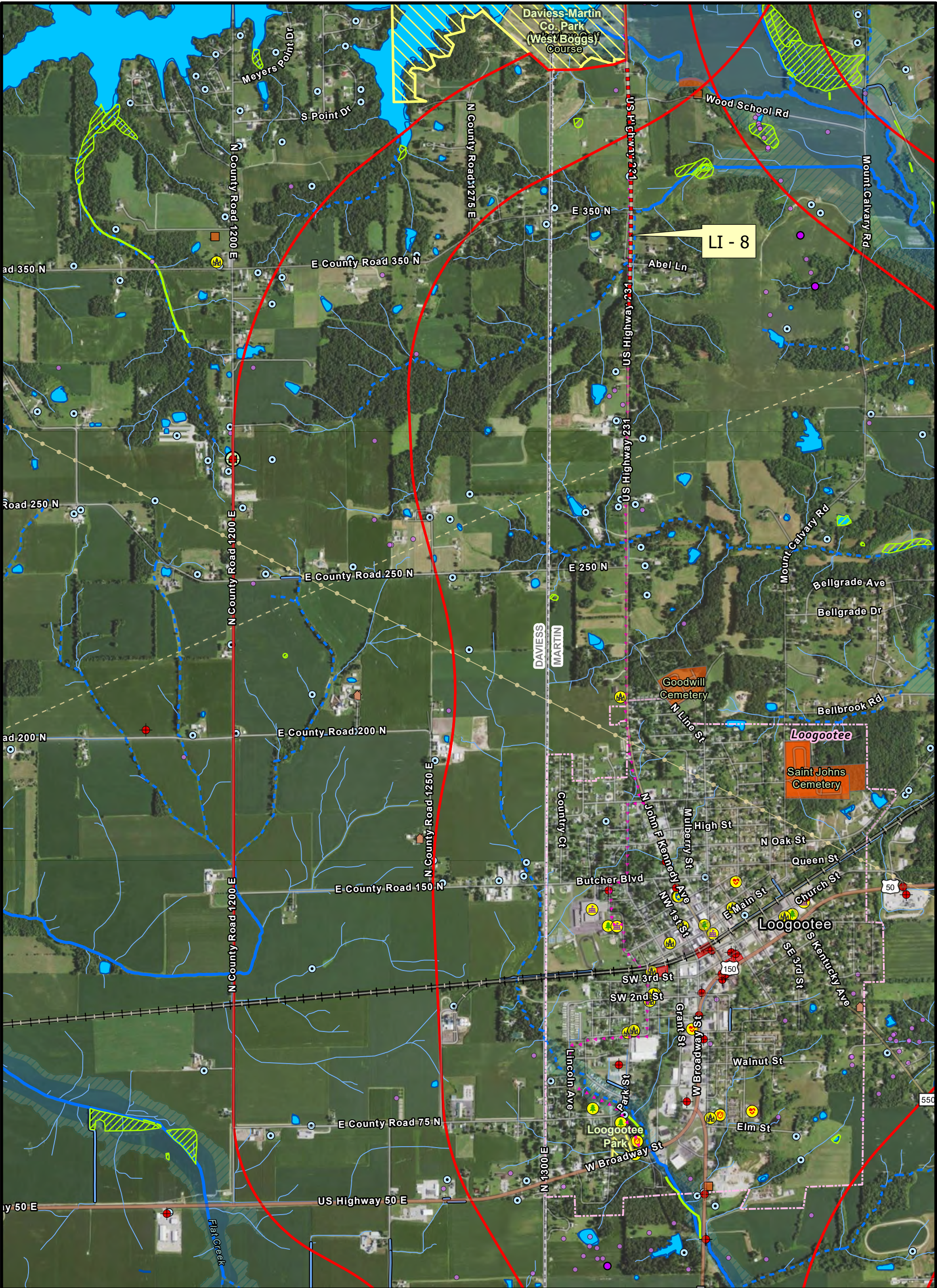
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| New Alignments | Perennial Stream | Cemetery | Hospitals and Medical Care | Electric Lines |
| Local Improvements | Canal/Ditch | Sinkholes | Education | Oil & Gas Wells |
| Counties | Unclassified Streams | National Register Listed | Recreational Facilities | Test & Other Wells |
| Cities | Floodway | National Register Eligible | Water Wells | Properties of Environmental Concern |
| Lakes/Ponds | Floodplain | Religious Centers | Antennas >200Ft | Properties of Environmental Concern |
| Rivers/Lg Streams | Managed Lands | Police | Electric Substation | Confined Feeding Operations |
| Wetlands | Planned Trails | Fire Stations and EMS | Pipelines | |
| Intermittent Stream | Cemetery | | | |





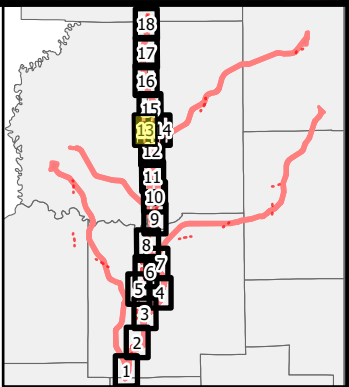
**Tier 1 DEIS Atlas
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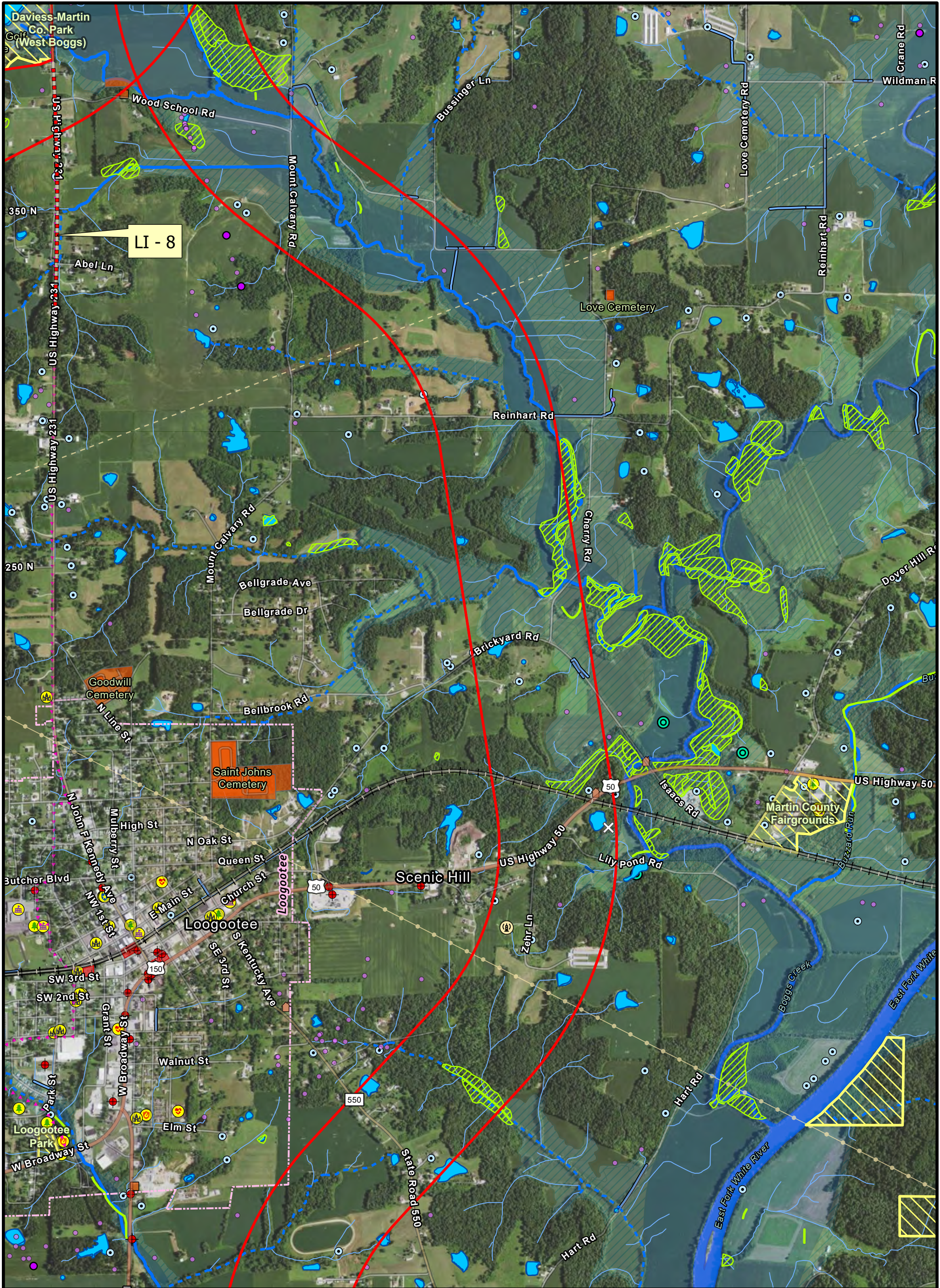
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| New Alignments | Perennial Stream | Cemetery | Hospitals and Medical Care | Oil & Gas Wells |
| Local Improvements | Canal/Ditch | Cemetery | Education | Test & Other Wells |
| Counties | Unclassified Streams | National Register Eligible | Recreational Facilities | Properties of Environmental Concern |
| Cities | Floodway | Religious Centers | Water Wells | Properties of Environmental Concern |
| Lakes/Ponds | Floodplain | Police | Active Railroads | Confined Feeding Operations |
| Wetlands | Managed Lands | Fire Stations and EMS | Pipelines | |
| Intermittent Stream | Planned Trails | | Electric Lines | |





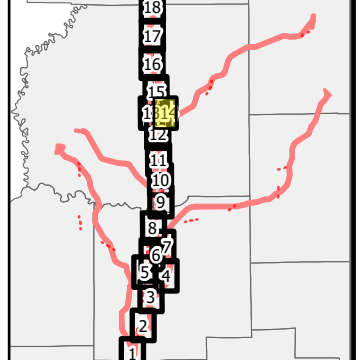
**Tier 1 DEIS Atlas
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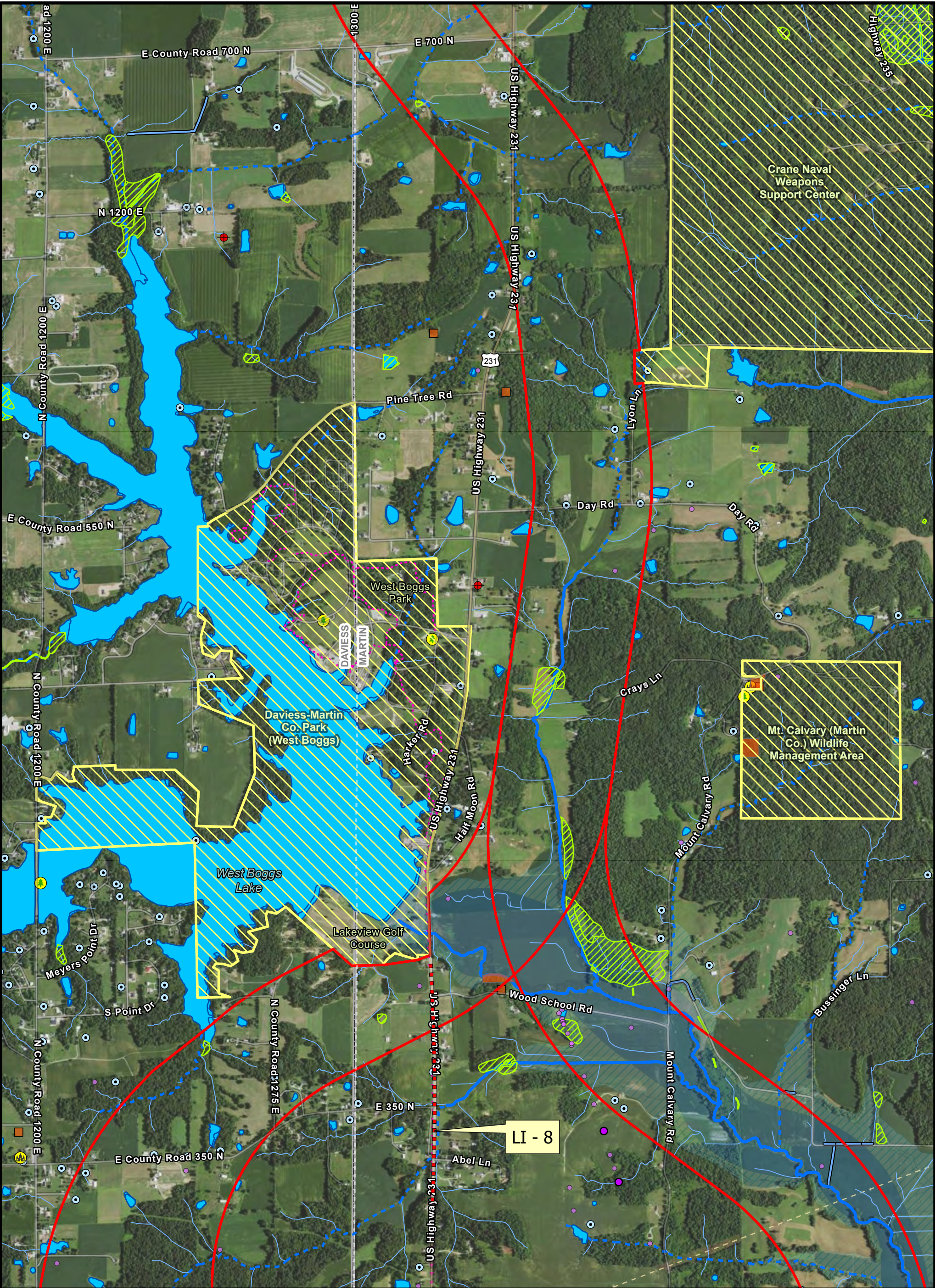
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| New Alignments | Perennial Stream | Cemetery | Hospitals and Medical Care | Electric Lines |
| Local Improvements | Canal/Ditch | Cemetery | Education | Abandoned Quarries & Pits |
| Counties | Unclassified Streams | Sinkholes | Recreational Facilities | Oil & Gas Wells |
| Cities | Floodway | National Register Eligible | Water Wells | Test & Other Wells |
| Lakes/Ponds | Floodplain | Religious Centers | Antennas >200Ft | Properties of Environmental Concern |
| Rivers/Lg Streams | Managed Lands | Police | Active Railroads | Properties of Environmental Concern |
| Wetlands | Planned Trails | Fire Stations and EMS | Pipelines | |
| Intermittent Stream | | | | |





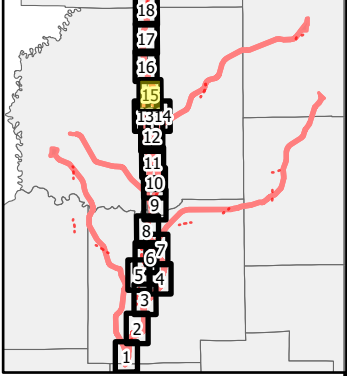
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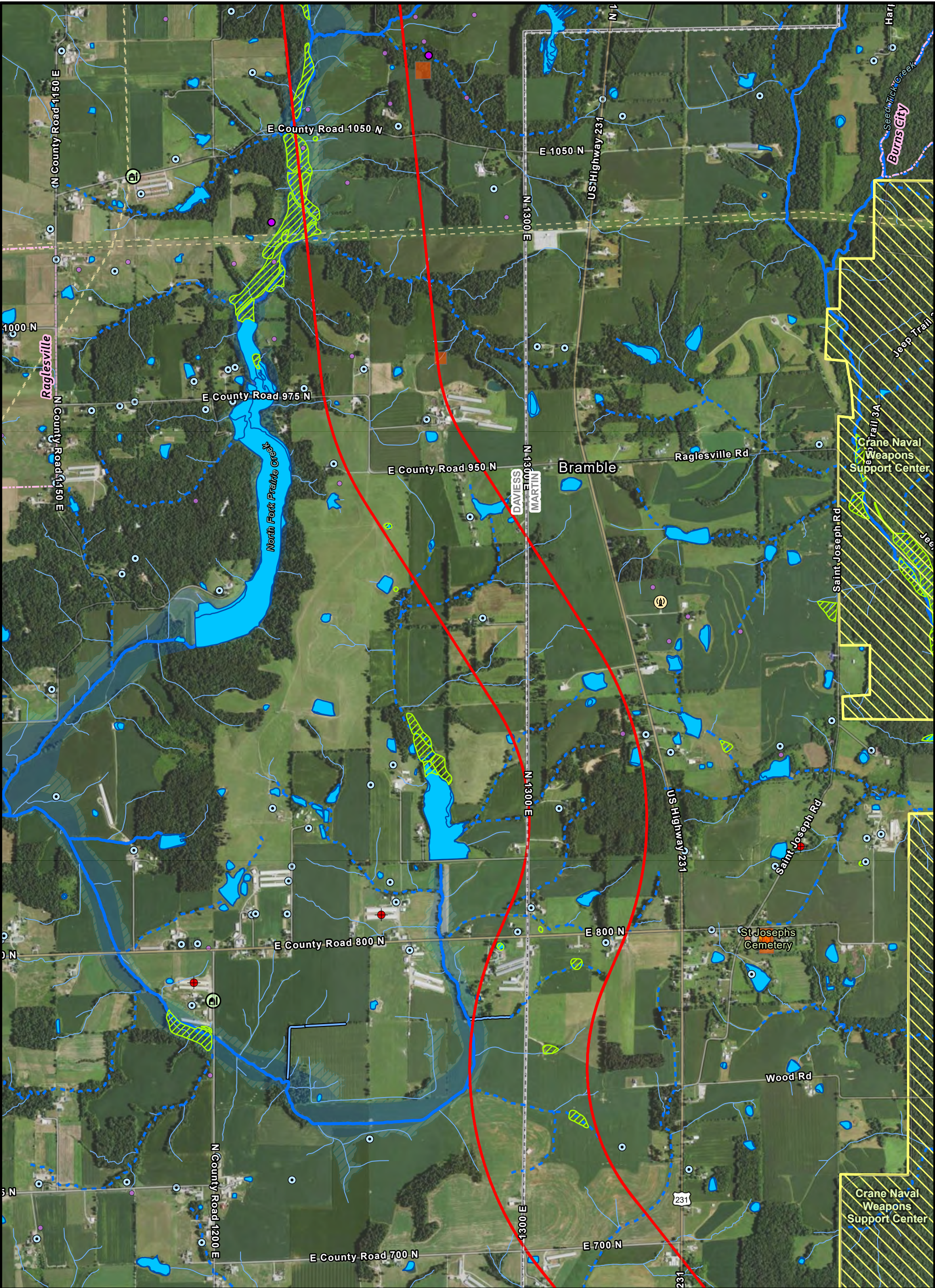
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| New Alignments | Perennial Stream | Trails | Water Wells |
| Local Improvements | Canal/Ditch | Planned Trails | Electric Lines |
| Counties | Unclassified Streams | Cemetery | Oil & Gas Wells |
| Lakes/Ponds | Floodway | Cemetery | Test & Other Wells |
| Wetlands | Floodplain | Religious Centers | Properties of Environmental Concern |
| Intermittent Stream | Managed Lands | Recreational Facilities | |





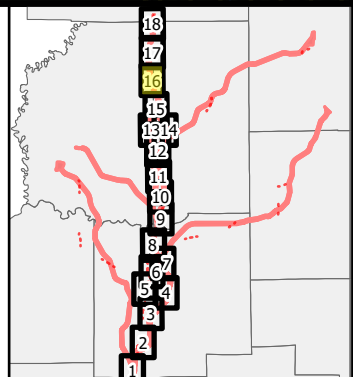
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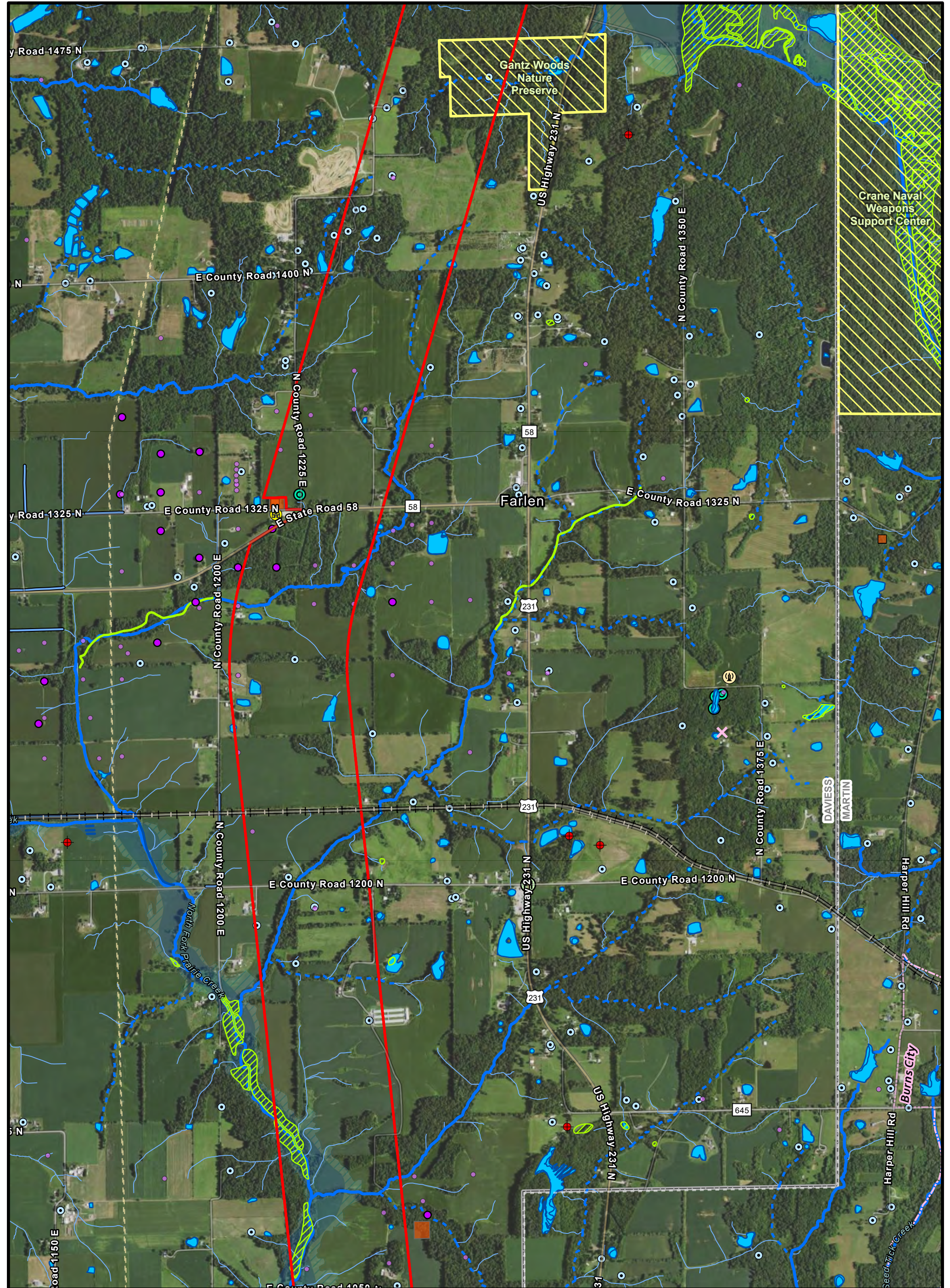
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| New Alignments | Intermittent Stream | Managed Lands | Antennas >200ft |
| Counties | Perennial Stream | Cemetery | Electric Lines |
| Cities | Canal/Ditch | Cemetery | Oil & Gas Wells |
| Lakes/Ponds | Unclassified Streams | National Register Eligible | Test & Other Wells |
| Rivers/Lg Streams | Floodway | Religious Centers | Confined Feeding Operations |
| Wetlands | Floodplain | Water Wells | |







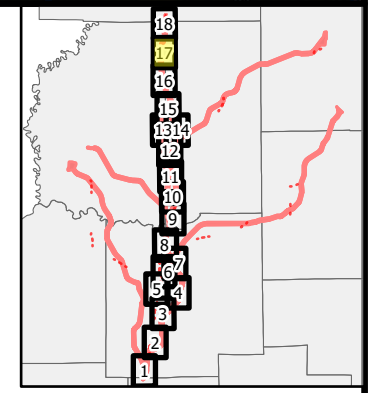
**MID-STATES
CORRIDOR**

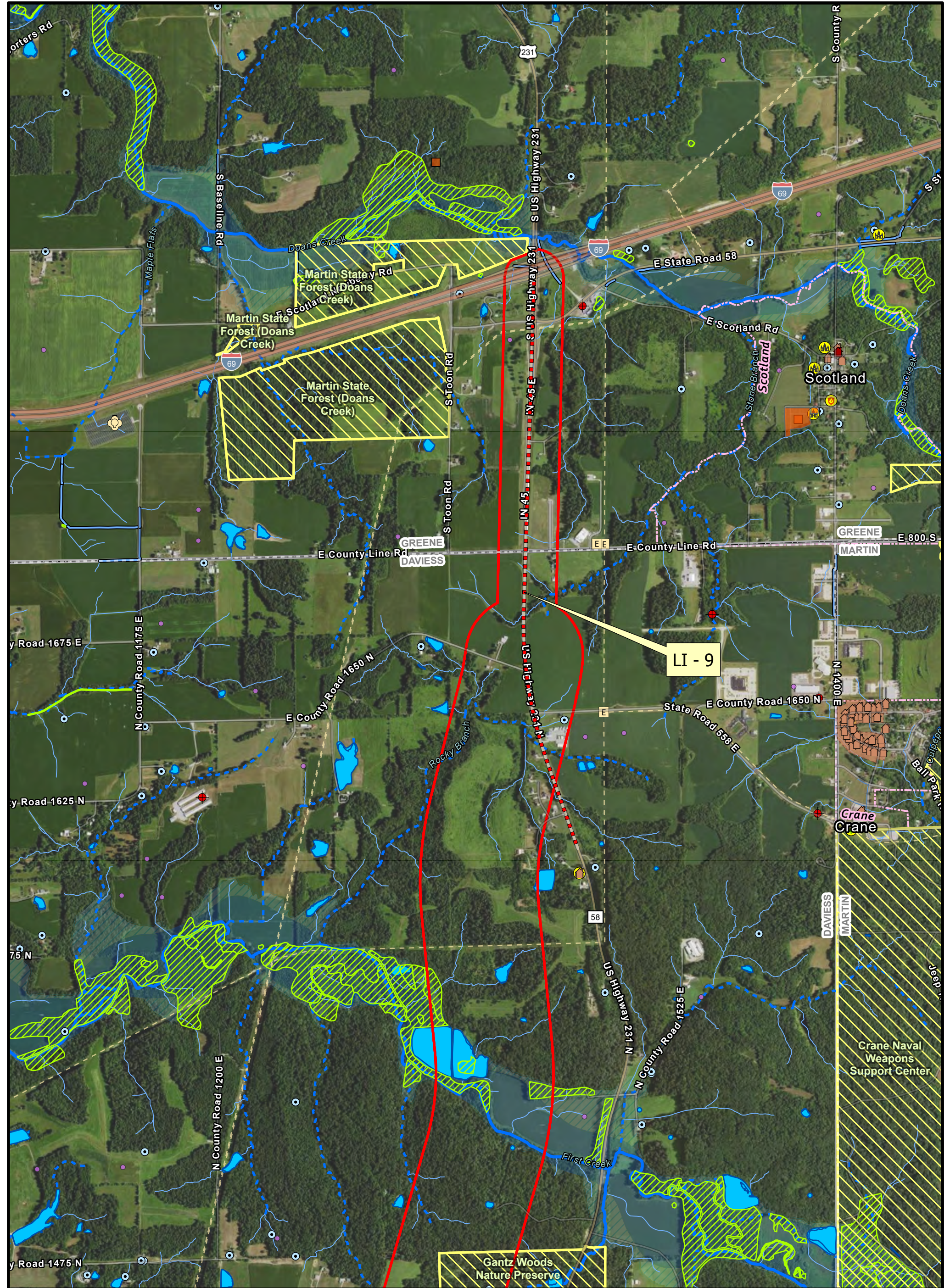
**Tier 1 DEIS Atlas
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4/3/2022

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| New Alignments | Perennial Stream | Cemetery | Active Railroads |
| Counties | Canal/Ditch | Cemetery | Electric Lines |
| Cities | Unclassified Streams | Sinkholes | Industrial Minerals |
| Lakes/Ponds | Floodway | Religious Centers | Oil & Gas Wells |
| Wetlands | Floodplain | Water Wells | Test & Other Wells |
| Intermittent Stream | Managed Lands | Antennas >200Ft | Confined Feeding Operations |






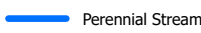

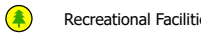

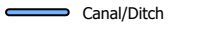

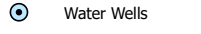
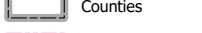
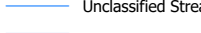

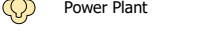
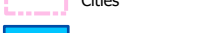
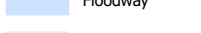

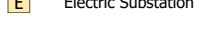
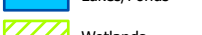
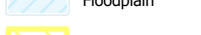

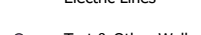






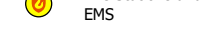
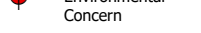


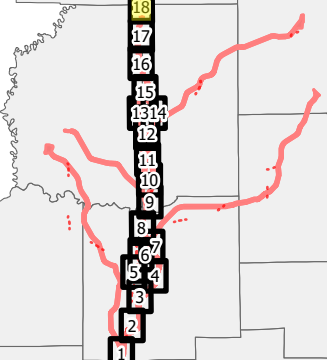
**MID-STATES
CORRIDOR**

Tier 1 DEIS Atlas
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0 500 1,000 Feet

4/3/2022

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|---|--|---|---|
|  New Alignments |  Perennial Stream |  Cemetery |  Recreational Facilities |
|  Local Improvements |  Canal/Ditch |  National Register Listed |  Water Wells |
|  Counties |  Unclassified Streams |  National Register Eligible |  Power Plant |
|  Cities |  Floodway |  Potential Historic Districts |  Electric Substation |
|  Lakes/Ponds |  Floodplain |  Religious Centers |  Electric Lines |
|  Wetlands |  Managed Lands |  Police |  Test & Other Wells |
|  Intermittent Stream |  Cemetery |  Fire Stations and EMS |  Properties of Environmental Concern |



SPATIAL DATA DESCRIPTIONS

Aerial Photography: 2018 NAIP High Resolution (60 cm) Color Aerial Photography – 2 feet pixel resolution.

NAIP Imagery, (2018) - Shows imagery of the National Agriculture Imagery Program (NAIP) during the 2018 agricultural growing season in Indiana (from June 2018 through August 2018). This imagery has a cell size of 60 cm by 60 cm. Download:

<https://maps.indiana.edu/layerGallery.html?category=NAIP>

Airports (Indiana Department of Transportation, 2005)

Shows public-use airports in Indiana, derived from data provided by personnel of the Indiana Department of Transportation (INDOT), Aeronautics Section. Personnel of INDOT obtained the data from the airport application/ FAA Master Record on file at the Indiana Department of Transportation, Aeronautics Section. Download: <https://maps.indiana.edu/layerGallery.html?category=Airports>

Cemetery Areas (Indiana Department of Natural Resources, 2019 1:5,000) - Cemetery Site Areas in Indiana. Publication Date: April 11, 2019.

Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Cemetery Sites (Indiana Department of Natural Resources, 2019 1:5,000) - Cemetery sites in Indiana, regardless of age, number of graves, or size of the cemetery. Publication Date: April 11, 2019. Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Cemetery Parcels (IGIO, 2019) - Subset of locations of parcels associated with cemeteries (class code 690) according to land parcels data maintained by County Agencies in Indiana. This data set is the most recent compilation of county-based data from local government sources, as part of the ongoing Indiana Data Sharing Initiative (IDSI) program. Publication Date: April 11, 2019. Download:

<https://maps.indiana.edu/layerGallery.html?category=Land>

Coal Mine Active Permits (Lochmueller Group, 2020) – Active permitted coal mines near the Mid-States proposed Tier 1 Alternatives. Digitized by Lochmueller group from the Coal Mine Information System.

<https://indnr.maps.arcgis.com/apps/webappviewer/index.html?id=f30ca6a781cb4209b6e614789ca7185b>

Controlled Feeding Operation (Indiana Department of Environmental Management, 2020) - Shows swine, chicken, turkey, beef or dairy agribusinesses that have large enough numbers of animals that IDEM regulates for environmental concerns, as defined by IC 13-18-10 of the Indiana Code. Provided by personnel of the Indiana Department of Environmental Management, Office of Land Quality. Data are current as of April 2, 2020. Download: <https://maps.indiana.edu/layerGallery.html?category=Agribusiness> Also a layer in the RFI template last updated on April of 2020 accessed from INDOT REST data services. Download <https://www.in.gov/indot/engineering/environmental-services/environmental-policy/site-assessment-and-management/>

County Boundaries - A framework layer defining the county boundaries of Indiana in polygon format. The information is intended for geographic display or analysis at a scale of 1:24,000 or smaller. Publication Date: June 21, 2002. Download:

<https://maps.indiana.edu/layerGallery.html?category=PLSS>

Fire and Emergency Medical Services (Homeland Security Infrastructure Foundation-Level Data (HIFLD), 2009) - Point dataset consisting of any location where emergency medical services (EMS) personnel are stationed or based out of, or where equipment that such personnel use in carrying out their jobs is stored for ready use. Ambulance services are included even if they only provide transportation services, but not if they are located at, and operated by, a hospital. If an independent ambulance service or EMS provider happens to be collocated with a hospital, it will be included in this dataset. The dataset includes both private and governmental entities. Publication date: June 29, 2009 Download:

<https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Fire Stations (Homeland Security Infrastructure Foundation-Level Data (HIFLD), 2009) - Point shapefile that contains locations of fire station, as developed for the Homeland Security Infrastructure Program (HSIP). The data were provided by personnel of Indiana Department of Homeland Security (IDHS) on June 29, 2009. Download: <https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Fire Stations (POLIS, 2008) Point shapefile that shows fire station facilities derived by The Polis Center as part of several "DMA2000 Multi-Hazard Mitigation Planning" (MHMP) projects, from data of the "Hazards U.S. Multi-Hazards" (Hazes-MH MR1, v 1.1) program (data from 2003) developed by the Federal Emergency Management Agency (FEMA). Currentness date: 2008 Download:

<https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Floodplains (Indiana Department of Natural Resources, 2020) - The Indiana DNR Division of Water has undertaken a project to create and update traditional Flood Insurance Rate Maps, which are published by FEMA, to include many more stream reaches than are currently officially published in the National Flood Hazard Layer. "Best available" flood hazard data for Indiana, includes effective mapping with additional updates based on the Zone A mapping project data, DNR model reviews, and other floodplain data that is not FEMA approved but is considered "best available" by the Indiana Department of Natural Resources. Attributes indicate floodways. Data is current to February 2020. Download:

<https://www.in.gov/dnr/water/9846.htm>

Historic Districts, National Register (Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology, 2019, 1:5,000) - Historic Districts in Indiana that are included in the National Register of Historic Places Polygon Shapefile. Publication Date: April 11, 2019. Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Historic Structures, National Register (Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology, 2019, 1:5,000) - Historic Districts in Indiana that are included in the National Register of Historic Places Polygon Shapefile. Publication Date: April 11, 2019. Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Historic Structures, Windshield Survey Geodatabase (Lochmueller Group, December 2021) – Structures listed on the National Register or determined Eligible for listing on the National Register within the affected project area (APE). Data was created through windshield survey and positions edited with aerial photographs and other historic structure data.

Hospitals (Homeland Security Infrastructure Foundation-Level Data, 2009) - Point dataset including General Medical and Surgical Hospitals, Psychiatric and Substance Abuse Hospitals, and Specialty Hospitals (e.g., Children's Hospitals, Cancer Hospitals, Maternity Hospitals, Rehabilitation Hospitals, etc.). Other types of hospitals are included if they were represented in datasets sent by the state. Therefore, not all of the specialty hospitals in Indiana are represented in this dataset. Hospitals operated by the Veterans Administration (VA) are included, even if the state they are located in does not license VA Hospitals. Nursing homes and Urgent Care facilities are excluded because they are included in a separate dataset. Locations that are administrative offices only are excluded from the dataset. Published date: June 29, 2009 Download:

<https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Hospitals, Clinics (Indiana State Department of Health, 2007) - Locations of hospitals included in a "Hospital Directory" that appears on a Web page of the Indiana State Department of Health (ISDH) (<http://www.indiana.gov/isdh/regsvcs/acc/hospital/wdirhos.htm>), as well as the

locations of rural health clinics included in a "Rural Health Care Clinic Directory" that appears on the ISDH Web site (<http://www.in.gov/isdh/regsvcs/acc/rhcdir/wdirrhc.htm>). Publication date: May 2007

Hospitals, Medical Care Facilities – (POLIS, 2008) Most complete and spatially accurate health facilities file. Point shapefile that shows medical care facilities derived by The Polis Center as part of several "DMA2000 Multi-Hazard Mitigation Planning" (MHMP) projects, from data of the "Hazards U.S. Multi-Hazards" (Hazard-MH MR1, v 1.1) program (data from 2003) developed by the Federal Emergency Management Agency (FEMA). Local jurisdiction planning teams provided updated medical care facility location and attribute information to the Polis Center at IUPUI. The Polis Center used available aerial photography to place or adjust the locations of the facilities on top of the building rooftops. Currentness date: 2008 Download: <https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Hospitals, Urgent Care (Homeland Security Infrastructure Foundation-Level Data, 2009) - The delivery of ambulatory medical care outside of a hospital emergency department on a walk-in basis without a scheduled appointment. The Urgent Care dataset consists of any location that is capable of providing emergency medical care and must provide emergency medical treatment beyond what can normally be provided by an EMS unit, must be able to perform surgery, or must be able to provide recuperative care beyond what is normally provided by a doctor's office. In times of emergency, the facility must be able to accept patients from the general population or patients from a significant subset of the general population (e.g., children). The newest facilities may not be included. Entities that are excluded from this dataset are administrative offices, physician offices, workman compensation facilities, free standing emergency rooms, and hospitals. Urgent Care facilities that are operated by and co-located with a hospital are also excluded because the locations are included in the hospital dataset. ID# 10194253 is a "mobile" urgent care center that provides urgent care to private residences. This entity is plotted at its administrative building. Records with "-DOD" appended to the end of the [NAME] value are located on a military base, as defined by the Defense Installation Spatial Data Infrastructure (DISDI) military installations and military range boundaries. Publication date: July 17, 2009 Download: <https://hifld-geoplatform.opendata.arcgis.com/datasets/urgent-care-facilities>

Hydrology, Lakes and Reservoirs (National Hydrography Dataset, 2019, 1:2400) - Lakes, ponds, reservoirs, swamps and marshes. This layer is derived from the local-resolution (1:2,400) National Hydrography Dataset (NHD), and provides currently available data as of April 26, 2019. A layer symbology file and Fcode definitions file supplement this data. Source Download: <https://maps.indiana.edu/layerGallery.html?category=WaterBodies>

Hydrology, Classified Streams (National Hydrography Dataset, 2019, 1:2400) - Perennial and intermittent streams, rivers, canals, ditches, drainages, artificial paths, connectors, underground streams, and pipelines. The data is a Local-Resolution National Hydrography Dataset (1:2,400), created by the United States Geological Survey (USGS) and the United States Environmental Protection Agency (EPA). This data was last updated on April 26, 2019. A pdf of Fcode definitions and a symbology layer file supplements with this file. Source Download: <https://maps.indiana.edu/layerGallery.html?category=WaterBodies>

Hydrology, Refined Classified Streams Query (Lochmueller Group, 2020 editing) - classified streams source file selected for streams, rivers, and canals/ditches. Removed connectors, underground conduits, underground pipelines, and artificial streams that overlay the waterbodies NHD file. Small model artificial paths perpendicular to the river mainlines, within the Rivers polygon NHD file were removed within the Mid-states refinement boundary.

Hydrology, Unclassified Streams (National Hydrography Dataset, 2019, 1:2400) - Unclassified flow lines are drainage ways that may or may not have water present outside of a rain even, and may or may not exhibit channelization associated with streams. The data is a Local-Resolution National Hydrography Dataset (1:2,400), created by the United States Geological Survey (USGS) and the United States Environmental Protection Agency (EPA). All new flow lines resulting from the Indiana NHD local resolution upgrade project that could not be categorized were given a generically classified as "drainageway". This data was last updated on April 26, 2019. Source Download: <https://maps.indiana.edu/layerGallery.html?category=WaterBodies>

Hydrology, Rivers (National Hydrography Dataset, 2019, 1:2400) – Rivers, inundation areas, canals, ditches, submerged streams and other linear waterbody areas. This layer is derived from the local-resolution (1:2,400) National Hydrography Dataset (NHD), and provides currently available data as of April 26, 2019. A layer symbology file and Fcode definitions file supplement this data. Source Download: <https://maps.indiana.edu/layerGallery.html?category=WaterBodies>

Infrastructure, Antenna (Federal Communications Commission, 2017) - locations of antenna structures that are more than 200 feet in height or located near an airport. This file is an extract of the Antenna Structure Registrant (ASR). Distributed from Homeland Security Infrastructure Foundation-Level Data (HIFLD). Download: <https://hifld-geoplatform.opendata.arcgis.com/search?collection=Dataset&groupIds=65847c150c8449649bd33a74a0e1050b>

Infrastructure, Electric Substations (Energy Information Administration, 2020) - Electric power substations primarily associated with electric power transmission as represented by facilities and equipment that switch, transform, or regulate electric power at voltages equal to, or greater than, 69 kilovolts. Substations with a maximum operating voltage less than 69 kilovolts may be included, depending on the availability of authoritative sources, but coverage of these features should not be considered complete. Publication Date: 1/13/2020; Download: https://www.eia.gov/maps/layer_info-m.php

Infrastructure, Electric Transmission Lines (Energy Information Administration, 2020) - Includes lines operated at relatively high voltages varying from 69 kV up to 765 kV which can transmit large quantities of electricity over long distances. Underground transmission lines are included where sources were available. Publication Date: 1/13/2020; Download: https://www.eia.gov/maps/layer_info-m.php

Infrastructure, HGL Pipelines (Energy Information Administration, 2019) - Major hydrocarbon gas liquids (HGL) pipelines. Data includes interstate trunk lines and selected intrastate lines. Based on publicly available data from a variety of sources (including company websites and media reports) with varying scales and levels of accuracy. Publication Date: 10/08/2019; Download: https://www.eia.gov/maps/layer_info-m.php

Infrastructure, Natural Gas Pipelines (Energy Information Administration, 2019) - Natural gas interstate and intrastate. Based on a variety of sources with varying scales and levels of accuracy and therefore accuracy is directly affected. Publication Date: 10/08/2019; Download: https://www.eia.gov/maps/layer_info-m.php

Infrastructure, Petroleum Product Pipelines (Energy Information Administration) - Major petroleum product pipelines. Layer includes interstate trunk lines and selected intrastate lines. Based on publicly available data from a variety of sources with varying scales and levels of accuracy. Download: https://www.eia.gov/maps/layer_info-m.php

Infrastructure, Power Plants (Energy Information Administration, 2020) - Operable electric generating plants in the United States by energy source. This includes all plants that are operating, on standby, or short- or long-term out of service with a combined nameplate capacity of 1 MW or more. Publication Date: 1/13/2020 Download: https://www.eia.gov/maps/layer_info-m.php

Karst, Sinking Areas (Indiana Geological Survey, 2002, 1:126,720) - Shows sinkhole areas (SHA) and sinking-stream basins (SSB) associated with rocks of Silurian, Devonian, and Mississippian age in southern Indiana. Shows sinkhole areas larger than 80 acres. Some sinkholes may exist outside the delineated areas, and some sinkholes may exist within the areas designated as sinking-stream basins, but such areas are not shown in this layer. The data should not be used for site-specific data analysis. The layer was compiled from unpublished work maps of Richard L. Powell. Publication Date: July 17, 2002. Download: <https://maps.indiana.edu/layerGallery.html?category=Karst>

Karst, Sinkhole points (Indiana Geological Survey, 2011) - Shows karst sinkhole inventory for southern Indiana and northern Kentucky. It was created by the Indiana Geological Survey to support a statistical regression analysis of potential sinkhole development areas. Publication Date: December 9, 2011. Download: <https://maps.indiana.edu/layerGallery.html?category=Karst>

Karst, Spring Points (Indiana Geological Survey, 1997, 1:126,720) - Springs in and around the karst region of south-central Indiana. Publication Date: December 9, 2011. Download: <https://maps.indiana.edu/layerGallery.html?category=Karst>

Libraries – (Indiana State Library, 2020) - Locations of public and public branch libraries. Street addresses for each library were originally provided by personnel of the Indiana State Library. Attributes include the library name, branch name, address, city, telephone numbers, and Website URLs for each location. Published date: January 21, 2020 Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Managed Land Areas (Indiana Department of Natural Resources, 2020) –Public and private owned managed Lands in Indiana. Subset of the Indiana Natural Heritage Data Center (INHDC) managed areas dataset provided by IDNR. It includes natural and recreation areas which are owned or managed by private owners, state agencies, federal agencies, local agencies, and non-profit organizations. Verify the appropriate use of privately owned features in this layer in publicly displayed mapping. Publication Date: March 31, 2020.

Managed Land, Martin County Fairground (Martin County Parcel Layer, 2022) – The boundary of the fairground was created by tracing the parcels from a georeferenced screenshot of the Martin County GIS for the area.

Managed Land, Mitigation Properties, I-69 (Lochmueller Group, 2017) - Property boundaries of mitigation areas developed by Lochmueller Group to meet the requirements of environmental permitting for construction of I-69 from Evansville to Indianapolis. Verify the appropriate use of this layer in publicly displayed mapping. Currentness: November 8, 2017.

Managed Land, National Natural Landmark (Lochmueller Group, 2004) -- National natural landmarks in Indiana Midstates Study Area. Information regarding landmark significance, ownership, management, area, location, and concerns are included in the attribute table. Landmark boundaries were created by on-screen digitizing using digital versions of U.S. Geological Survey quadrangle maps. Boundaries were created by visual estimation from hardcopy U.S. Geological Survey quadrangle maps provided by NPS. The National Natural Landmarks Program recognizes and encourages the conservation of outstanding examples of our country's natural history. It is the only natural areas program of national scope that identifies and recognizes the best examples of biological and geological features in both public and private ownership. Verify the appropriate use of privately owned features in this layer in publicly displayed mapping. Publication date: August 4, 2004

Managed Land, Easement Areas (National Resource Conservation Service, 2020) - Aggregate layer of conservation easements received from each state used to identify, monitor, and enhance the spatial accuracy of restoration program polygons. U.S. Department of Agriculture, Service Center Agencies should be acknowledged as the data source. Verify the appropriate use of privately owned features in this layer in publicly displayed mapping. Publication Date: January 1, 2020. Download: <https://gdg.sc.egov.usda.gov/GDGOrder.aspx?order=QuickState>

Managed Land, Protected Lands (GAP 2018) - The USGS Protected Areas Database of the United States (PAD-US) is the nation's inventory of protected areas, including public land and voluntarily provided private protected areas. Most are public lands owned in fee; however, long-term easements, leases, agreements, Congressional (e.g. 'Wilderness Area'), Executive (e.g. 'National Monument'), and administrative designations (e.g. 'Area of Critical Environmental Concern') documented in agency management plans are also included. Publication date: September 30, 2018 Download: https://www.usgs.gov/core-science-systems/science-analytics-and-synthesis/gap/science/pad-us-data-overview?qt-science_center_objects=4#qt-science_center_objects

Minerals, Abandoned Quarries (Indiana Geological Survey, 1998) - Shows abandoned quarry locations that have locational information that is adequate to determine coordinate clues. Derived from information in Indiana Geological Survey Computer Database 2. Download: <https://maps.indiana.edu/layerGallery.html?category=IndustrialMinerals>

Minerals, Abandoned Sand and Gravel Pits (Indiana Geological Survey, 1992) - Shows the locations of abandoned sand and gravel pits from the 'Abandoned Sand and Gravel Pit Database' of the Indiana Geological Survey. Derived from the following unpublished report: Industrial Minerals Section Memorandum Report 98, Indiana Geological Survey. Download: <https://maps.indiana.edu/layerGallery.html?category=IndustrialMinerals>

Minerals, Industrial Minerals Active Production Sites (Indiana Geological Survey, 2016) - Active Industrial Mineral Operations, 2016 - Shows the locations of industrial mineral operations that were active in 2016 in Indiana. These operations extracted and (or) produced the following commodities: cement, clay and shale, crushed stone, dimension limestone, dimension sandstone, gypsum, lime, peat, slag, and sand and gravel. Compiled by the Indiana Geological Survey as a publication named '2016 Directory of Industrial Mineral Producers in Indiana.' Download: <https://maps.indiana.edu/layerGallery.html?category=IndustrialMinerals>

Minerals, Industrial Mineral Data (Indiana Geological Survey, 1989) - Shows the distribution of stratigraphic data for various industrial minerals in Indiana. Data were derived from cores, measured samples, mine samples, outcrops, quarries, and well logs. Download: <https://maps.indiana.edu/layerGallery.html?category=IndustrialMinerals>

Museums – (Indiana Geological Survey, 2007) - Locations of museums. Using street addresses obtained from Web pages, a shapefile was created using the "Geocoding" tool in ESRI ArcMap 9.2 and street information licensed from Tele Atlas, Dynamap 2000, v. 17.0. Published date: May 31, 2007 Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Naloxone Providers (Indiana State Department of Health, 2018) - Produced from data that were harvested on February 26, 2018 from the "Overdose Prevention Therapy-Indiana Registry" website of the Indiana State Department of Health (ISDH). These data should not be considered completely current, as entities could potentially be added or removed from the registry since the last date of publication. For the most current information about naloxone entities, and other related online resources, please visit the ISDH optIN Registry website (<https://optin.in.gov/>). "Naloxone Entities" may include pharmacies, pharmacists or other non-pharmacy organizations, non-profit entities or individuals that are in a position to assist an individual who, there is reason to believe, is at risk of experiencing an opioid-related overdose. Publication date: February 26, 2018 Download: <https://maps.indiana.edu/layerGallery.html?category=Facilities>

Petroleum Well Locations - Petroleum Well Locations in Indiana. Created from data in the Indiana Geological Survey Petroleum Well Database, which is a component of the IGS Petroleum Database Management System (PDMS). The database includes records obtained from the IGS petroleum well files, which represent the most comprehensive collection of petroleum-related well records in the state. Publication Date: January 08, 2015. Download: <https://maps.indiana.edu/layerGallery.html?category=Petroleum>

Place Boundaries (TIGER 2019) – Legally incorporated places and census CDP concentrations. An incorporated place usually is a city, town, village, or borough, but can have other legal descriptions. CDPs are delineated for the decennial census as the statistical counterparts of incorporated places. CDPs are delineated to provide data for settled concentrations of population that are identifiable by name, but are not legally incorporated under the laws of the state in which they are located. Publication Date: June 6, 2019. Download: <https://www.census.gov/cgi-bin/geo/shapefiles/index.php>

Police Stations (POLIS Center, 2008): Point shapefile that shows police station facilities derived by The Polis Center as part of several "DMA2000 Multi-Hazard Mitigation Planning" (MHMP) projects, from data of the "Hazards U.S. Multi-Hazards" (Hazes-MH MR1, v 1.1) program (data from 2003) developed by the Federal Emergency Management Agency (FEMA). Currentness date: 2008 Download: <https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Police Stations, Local (Homeland Security Infrastructure Foundation-Level Data, 2009) - Point locations and tabular information pertaining to a wide range of law enforcement entities. Law Enforcement agencies "are publicly funded and employ at least one full-time or part-time sworn officer with general arrest powers". This is the definition used by the US Department of Justice - Bureau of Justice Statistics (DOJ-BJS) for their Census of State and Local Law Enforcement Agencies (CSLLEA). Federal level law enforcement agencies are excluded from this effort. The primary sources for this effort are the DOJ-BJS CSLLEA from 2008 and the previously mentioned 2009 feature class from Homeland Security Infrastructure Foundation-Level Data (HIFLD). Currentness date: 2009 Download: <https://hifld-geoplatform.opendata.arcgis.com/datasets/local-law-enforcement-locations>

Populated Places (USGS GNIS, 2020) -- Information about all communities throughout the United States that are described in the database. The Geographic Names Information System contains information about physical and cultural geographic features of all types. The database holds the federally recognized name of each feature and defines the feature location by state, county, USGS topographic map, and geographic coordinates. Update date: March, 2020 Download: <https://www.usgs.gov/core-science-systems/ngp/board-on-geographic-names/download-gnis-data>

Properties of Environmental Concern (AP Engineering & Consulting, Inc., 2022)

Properties of environmental concern for potential Hazmat issues, located within 0.5 miles of the centerline of new alignments and local improvements. Exceptions are local improvements #3 and #4, whose study area was within 500 feet of the centerline of the local improvement. Sites were identified by a data and document review. Properties were given a concern level of low, medium, and high.

Properties of Environmental Concern (INDOT Red Flag Inventory (RFI) (Indiana Department of Transportation, 2022) – The Environmental Services Division of INDOT has developed the Site Assessment & Management Manual which details GIS methodology for determining hazardous materials concerns for a proposed project. The purpose of this investigation is to simply identify and highlight areas of concern which appear on publicly available standard sources that are near the proposed project. The Red Flag Inventory (RFI) investigation uses GIS data from numerous data sources. Most of the data are single point files and are intended to represent a facility. The location of the symbol within the GIS data is merely for reference, many facilities encompass large parcels, and some symbols may be incorrectly located. Further guidance can be found within the Site Assessment & Management Manual. The RFI template was last updated on April of 2020 and contains layers accessed from INDOT REST data services. Download <https://www.in.gov/indot/engineering/environmental-services/environmental-policy/site-assessment-and-management/>

Railroad, Active (Indiana Department of Transportation, 2006, 1:1,200) - The active railroad system of Indiana. Recent 2006 edits include removal of abandoned rail lines and inclusion of ownership changes. Attributes include contact names, phone numbers, mailing addresses, and freight classifications. The data were derived from pre-existing INDOT basemap, the State of Indiana 2005 Rail System Map, and an old Indiana Rail System Map (showing abandoned rail lines). Provided to personnel of the Indiana Geological Survey (IGS) by Freight Rail Planner, Office of Railroads, Multi-Modal Transportation Division, Indiana Department of Transportation. Publication: August 8, 2006 Download: <https://maps.indiana.edu/layerGallery.html?category=Railroads>

Recreational Facilities (Indiana Department of Natural Resources, 2009) - Sites that have outdoor recreation facilities. It includes facilities managed by federal, state, and local governments, as well as non-government organizations, private and commercial entities, and schools. It does not include sites that are private and not open to the public. This layer is archival and no longer maintained. Points of interest must be verified. Currentness: February 26, 2009 Download: <https://maps.indiana.edu/layerGallery.html?category=Recreation>

Religious Centers (Bernardin, Lochmueller & Associates, 2007, 1:24,000) - This data set was compiled by personnel of Bernardin, Lochmueller & Associates (BLA) from the United States Geological Survey (USGS) Geographic Names Information System (GNIS), USGS topographic map review, and locating addresses found on various religious listing web sites. To find out more about the USGS, GNIS visit <http://geonames.usgs.gov/domestic/index.html>. Web sites used to obtain address listings for additional listings include - Dharma Web <<http://www.dharmaweb.org/index.php/Indiana>>, Jewish Finder <http://www.ujc.org/ir_LL_category.html?state=in>, and The Church of Jesus Christ Latter-day Saints <<http://www.mormon.org/worshipwithus/1,20864,,00.html>>.

Roads (Indiana Department of Transportation, 2015, 1:24,000) - Roads in Indiana, consisting of city streets, county roads, and U.S., state and interstate roads, and other roads. These data are from the Indiana County Log Line Inventory compiled by Road Inventory of the Indiana GIS Department of Transportation (INDOT). County Log line inventory is as of 2006-2015. Download: <https://maps.indiana.edu/layerGallery.html?category=Streets>

Schools (POLIS, 2008) - School facilities with the exception of some universities. This data set was derived by The Polis Center as part of several "DMA2000 Multi Hazard Mitigation Planning" (MHMP) projects, from data of the "Hazards U.S. Multi-Hazards" (Hazes-MH MR1, v 1.1) program (data from 2003) developed by the Federal Emergency Management Agency (FEMA). Currentness: 2008 Download: <https://maps.indiana.edu/layerGallery.html?category=CriticalFacilities>

Schools, Child Care (Homeland Security Infrastructure Foundation-Level Data, 2019) - Locations of center based child day care locations (including those located at schools and religious institutes) and does not include group, home, and family based child day cares. All the data was acquired from respective states departments or their open source websites and only contains data provided by these sources. The TYPE attribute categorizes every child day care into Center Based, School Based, Head Start, or Religious Facility solely based on the type of facility where the child day care center is geographically located. Publication date: June 23, 2019 Download: <https://hifld-geoplatform.opendata.arcgis.com/datasets/child-care-centers>

Schools, Colleges (Indiana Commission for Higher Education, 2007) - Locations of colleges and universities (including 2- and 4-year public institutions and independent institutions) listed on a directory obtained from the Indiana Commission for Higher Education (<http://www.che.state.in.us/schools/interactivelist.shtml>). Publication date: June 4, 2007 Download: <https://maps.indiana.edu/layerGallery.html?category=Schools>

Schools, Private (Homeland Security Infrastructure Foundation-Level Data, 2016) - Private elementary and secondary education facilities as defined by the Private School Survey (PSS, <https://nces.ed.gov/surveys/pss/>), National Center for Education Statistics (NCES,

<https://nces.ed.gov>), US Department of Education for the 2015-2016 school year. This includes all prekindergarten through 12th grade schools as tracked by the PSS. Data Currentness: 2016 Download: <https://hifld-geoplatform.opendata.arcgis.com/datasets/private-schools>

Schools, Public - (Homeland Security Infrastructure Foundation-Level Data, 2016) - All Public elementary and secondary education facilities as defined by the Common Core of Data (CCD, <https://nces.ed.gov/ccd/>), National Center for Education Statistics (NCES, <https://nces.ed.gov>), US Department of Education for the 2015-2016 school year. This includes all Kindergarten through 12th grade schools as tracked by the Common Core of Data. Included in this dataset are military schools referenced in the city field with an APO or FPO address. Data Currentness: 2016 Download: <https://hifld-geoplatform.opendata.arcgis.com/datasets/public-schools>

Trails – (Indiana Department of Natural Resources, 2022) Public, off-road recreation and transportation trails in Indiana. It includes trails managed by federal, state, and local governments, as well as non-government organizations. It includes trails that are open, under development, planned, and potential; please check the STATUS field. Updated February 02, 2022. Download: <https://maps.indiana.edu/layerGallery.html?category=Recreation>

Trails, City of Jasper – (City of Jasper, Indiana, 2022) Trails data provided by the City of Jasper for use in the March 2022 Jasper Trail Plan.

Wells – (Indiana Department of Natural Resources, 2019) Water Well Locations in Indiana. Publication Date: June 13, 2019. Download: <https://maps.indiana.edu/layerGallery.html?category=WaterWells>

Wetlands- (U.S. Fish and Wildlife Service, 2019) The extent, approximate location and type of wetlands and deep-water habitats in the United States and its Territories. The US Fish and Wildlife Service (FWS) is the principal US Federal agency tasked with providing information to the public on the status and trends of our Nation's wetlands. The US FWS National Wetlands Inventory (NWI) is a publicly available resource that provides detailed information on the abundance, characteristics, and distribution of US wetlands. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Publication Date: October 1, 2019. Download: <https://www.fws.gov/wetlands/Data/Data-Download.html>

Legend

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Counties

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Hydrology

Lakes/Ponds (NWI and NHD)

Rivers/Streams (NHD)

Wetlands (NWI: Emergent, Forested, and Scrub-Shrub)

Streams (NHD)

Perennial Stream

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Floodplain

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Conservation, Recreation, and Defense Lands

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Karst Features

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Karst Sinking Areas

Sinkhole Area

Sinking Stream Basin

Cemeteries

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Water Wells

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Antennas >200Ft

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Pipelines

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Industrial Minerals

Abandoned Quarries & Pits

Active Coal Mining

Petroleum Wells

Oil & Gas Wells

Test & Other Wells

Environmental Concern

NPDES, USTs, Waste, Cleanup, VRP, Brownfields

Landfills, Institutional Controls, Coal Combustion Waste

Confined Feeding Operations