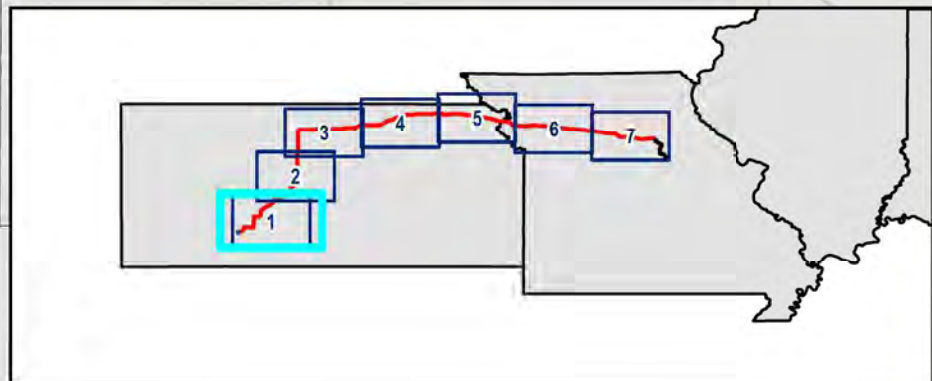
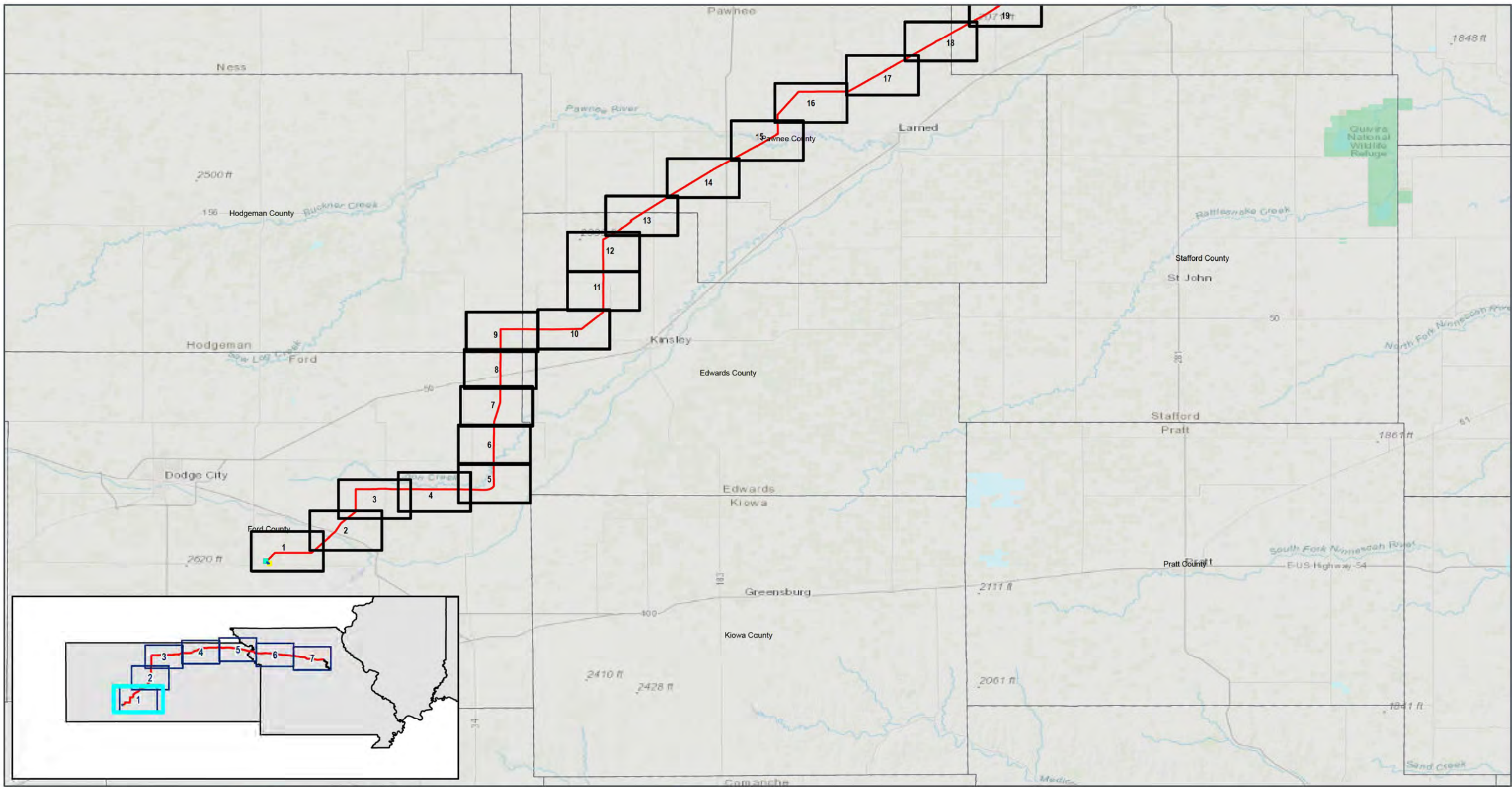


# **Grain Belt Express Transmission Line Environmental Impact Statement**

## **Appendix 1.1: Map Book**



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
Sheet 1 of 7

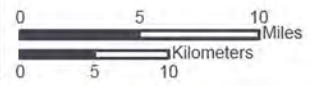
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- Proposed Grain Belt Express Phase 1 Tiger Connector
- Proposed Grain Belt Express Phase 1 Ford County Interconnect
- Proposed Grain Belt Express Phase 1 Converter Station
- Existing McCredie Substation
- Existing Burns Substation
- Existing Saddle Substation
- Mapbook Index
- National Park Service (NPS)
- US Fish and Wildlife (USFW)
- State
- Private or Unknown

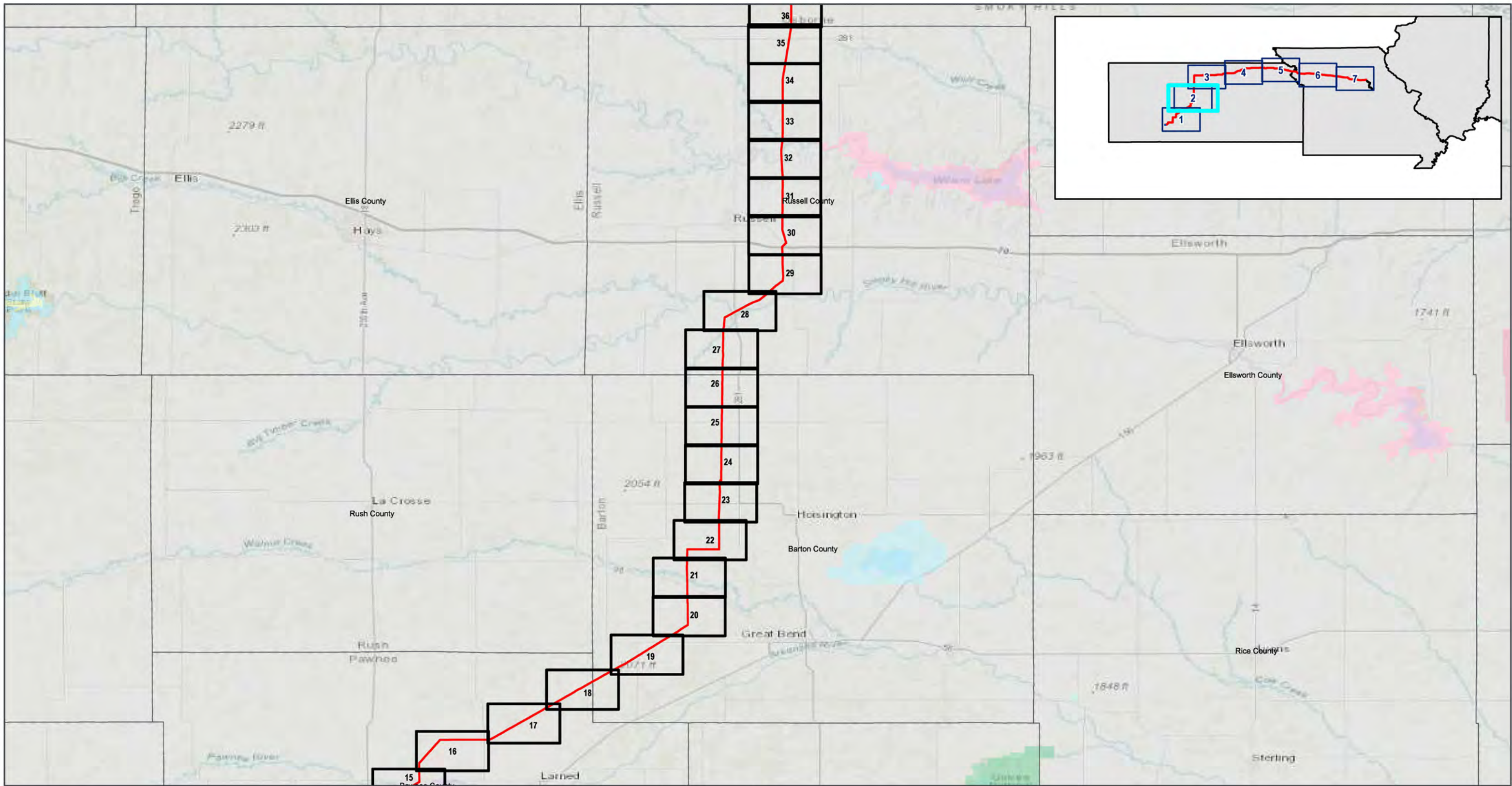
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GCS North American 1983  
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N  
1:510,000



Base Map: Esri ArcGIS Online,  
accessed November 2024  
Updated: 11/25/2024  
Project No. 60694559  
Layout: GBX\_Mapbook\_Index  
Aprx: GBX\_Mapbook\_Index





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
Sheet 2 of 7

- |  |                             |
|--|-----------------------------|
| Proposed Grain Belt Express Phase 1 HVDC Line                | Mapbook Index               |
| Proposed Grain Belt Express Phase 1 Tiger Connector          | Department Of Defense (DOD) |
| Proposed Grain Belt Express Phase 1 Ford County Interconnect | National Park Service (NPS) |
| Proposed Grain Belt Express Phase 1 Converter Station        | US Fish and Wildlife (USFW) |
| Existing McCredie Substation                                 | Bureau of Reclamation (BOR) |
| Existing Burns Substation                                    | State                       |
| Existing Saddle Substation                                   | Private or Unknown          |

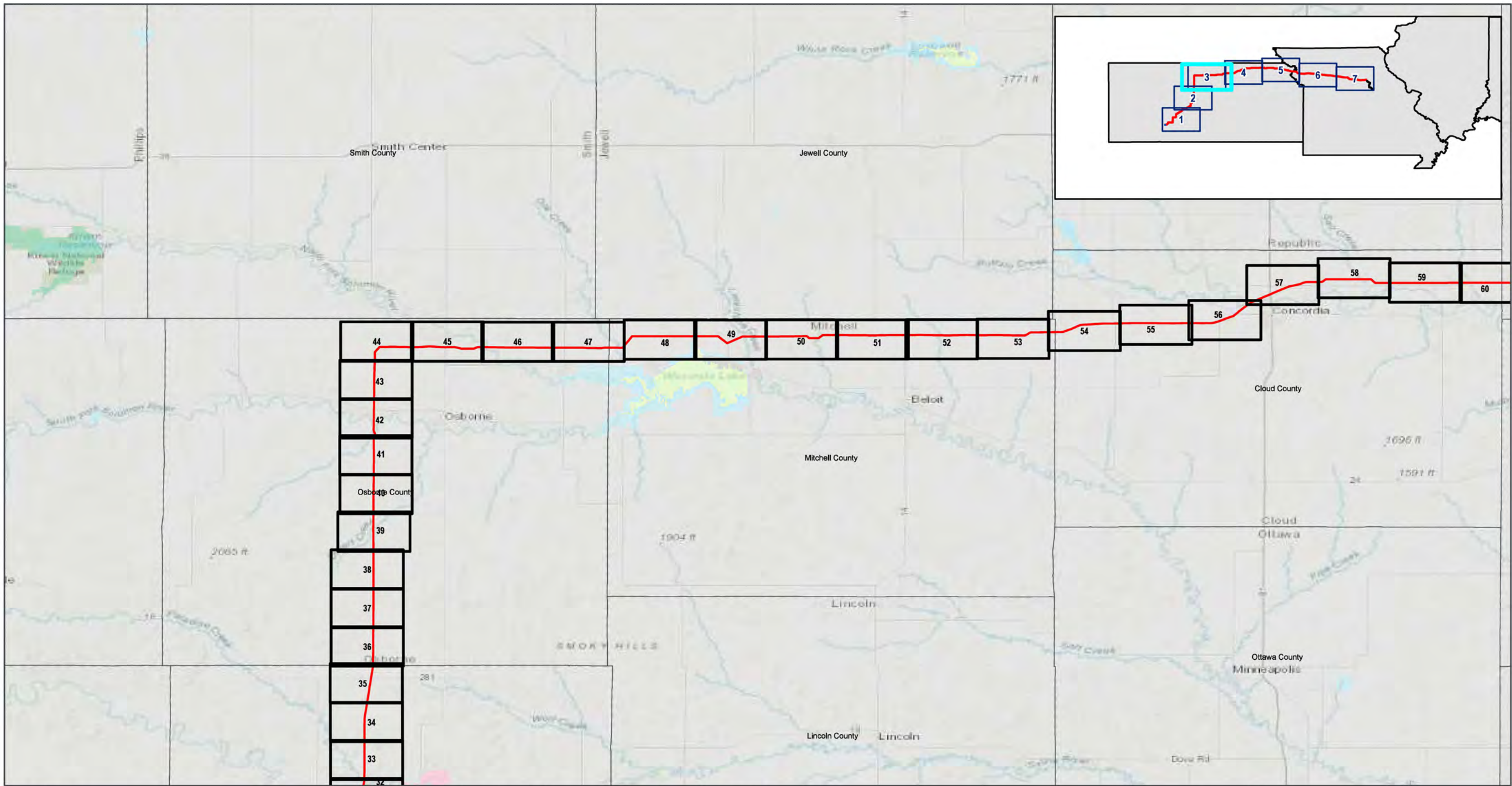
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N  
1:510,000



Base Map: Esri ArcGIS Online,  
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Updated: 1/8/2025  
Project No. 60694559  
Layout: GBX\_Mapbook\_Index  
Aprx: GBX\_Mapbook\_Index





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
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- Proposed Grain Belt Express Phase 1 HVDC Line
  - Proposed Grain Belt Express Phase 1 Tiger Connector
  - Proposed Grain Belt Express Phase 1 Ford County Interconnect
  - Proposed Grain Belt Express Phase 1 Converter Station
  - Existing McCredie Substation
  - Existing Burns Substation
  - Existing Saddle Substation
- Mapbook Index
  - Department Of Defense (DOD)
  - US Fish and Wildlife (USFW)
  - Bureau of Reclamation (BOR)
  - State
  - Private or Unknown

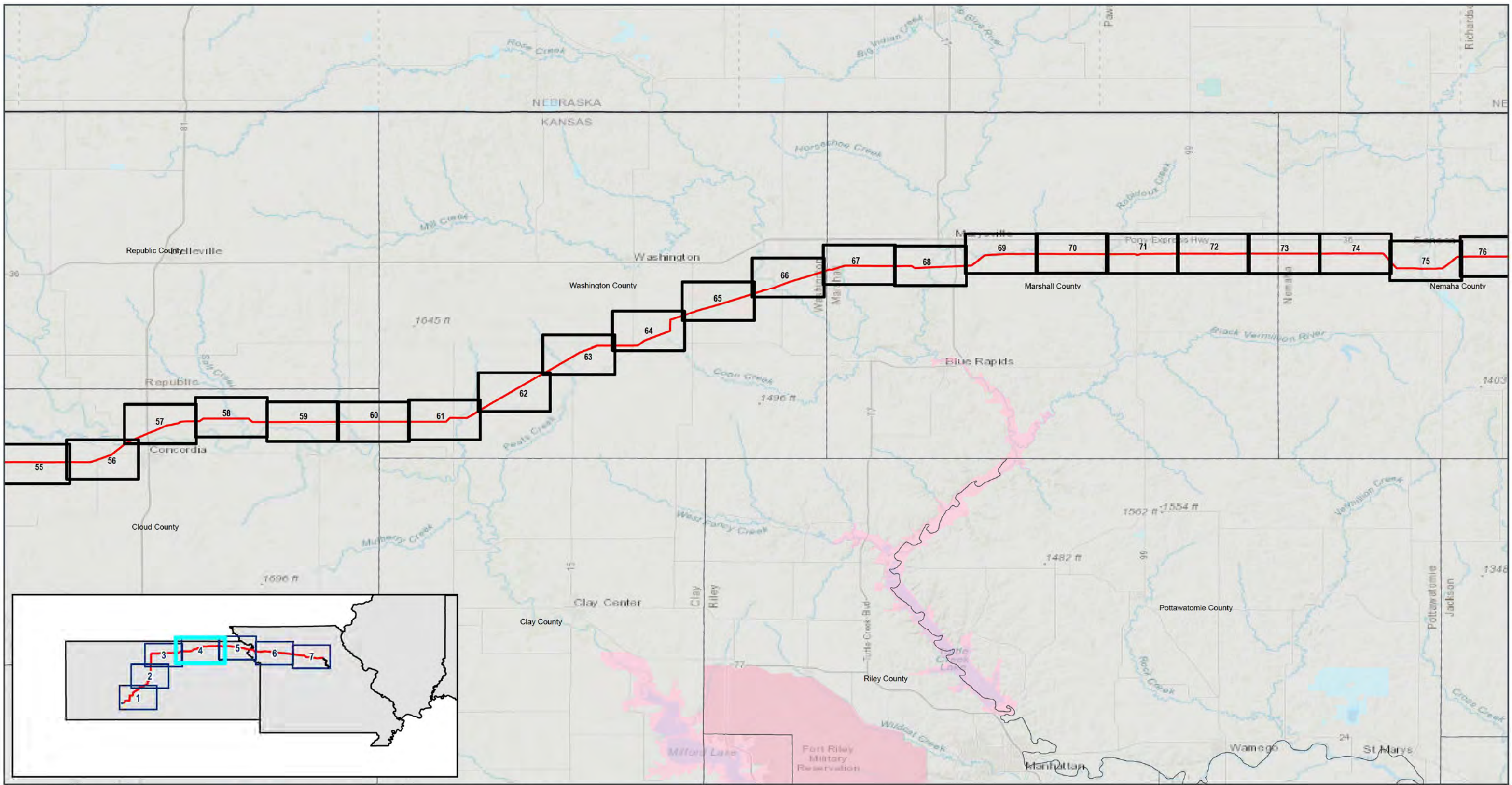
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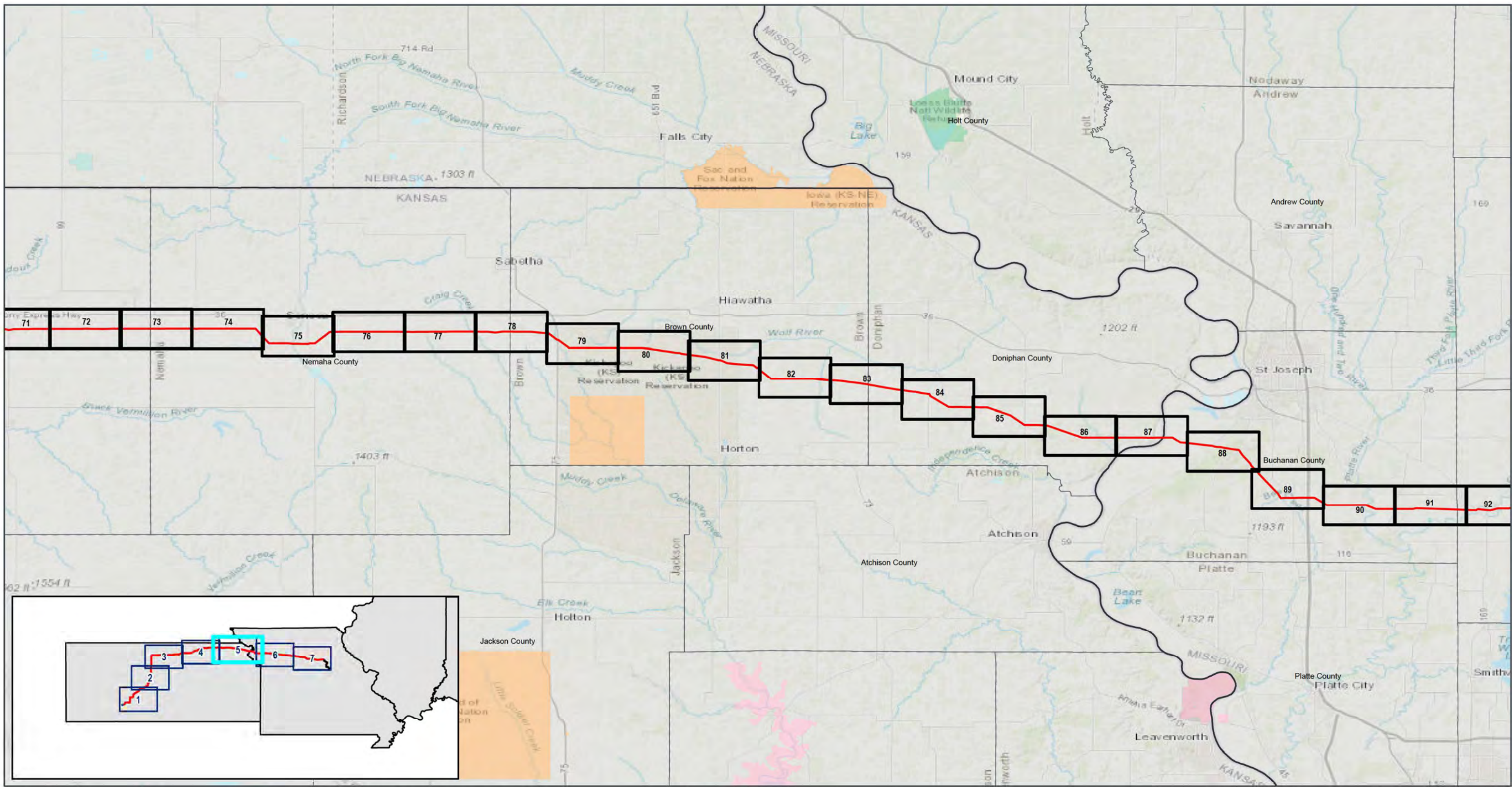
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
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- Proposed Grain Belt Express Phase 1 HVDC Line
- Proposed Grain Belt Express Phase 1 Tiger Connector
- Proposed Grain Belt Express Phase 1 Ford County Interconnect
- Proposed Grain Belt Express Phase 1 Converter Station
- Existing McCredie Substation
- Existing Burns Substation
- Existing Saddle Substation
- Mapbook Index
- Department Of Defense (DOD)
- US Fish and Wildlife (USFW)
- State
- Private or Unknown

Kansas and Missouri  
GCS North American 1983  
39.6467°N 96.8952°W



Base Map: Esri ArcGIS Online,  
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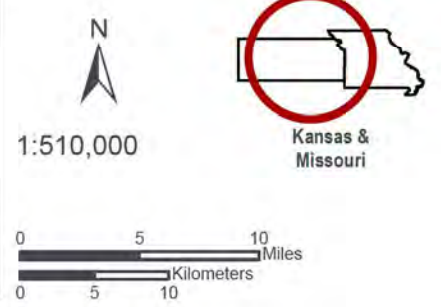


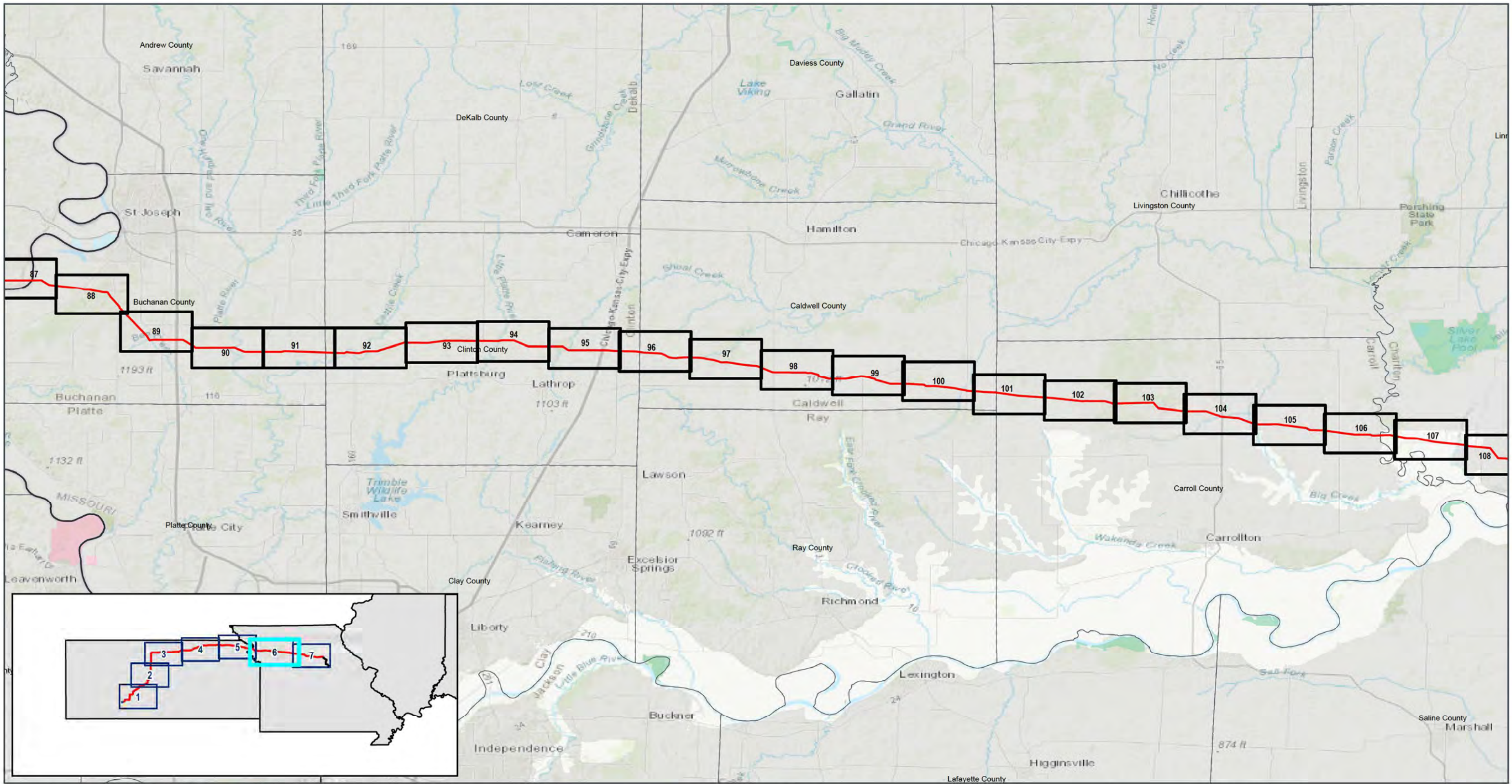
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
Sheet 5 of 7

- Proposed Grain Belt Express Phase 1 HVDC Line
- Proposed Grain Belt Express Phase 1 Tiger Connector
- Proposed Grain Belt Express Phase 1 Ford County Interconnect
- Proposed Grain Belt Express Phase 1 Converter Station
- Existing McCredie Substation
- Existing Burns Substation
- Existing Saddle Substation
- Mapbook Index
- Department Of Defense (DOD)
- US Fish and Wildlife (USFW)
- Bureau of Indian Affairs (BIA)
- State
- Private or Unknown

Kansas and Missouri  
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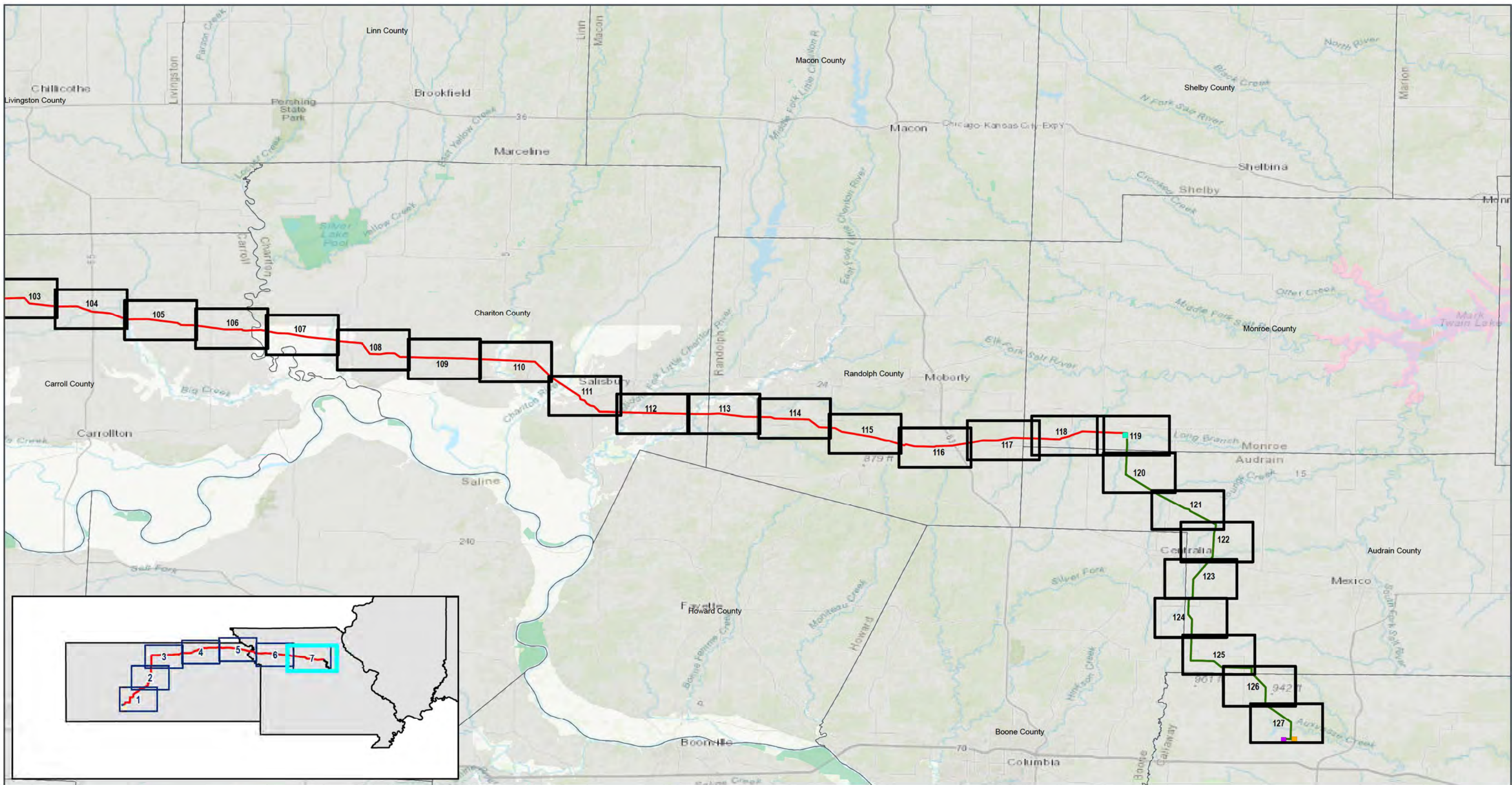
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
Sheet 6 of 7

- Proposed Grain Belt Express Phase 1 HVDC Line
- Proposed Grain Belt Express Phase 1 Tiger Connector
- Proposed Grain Belt Express Phase 1 Ford County Interconnect
- Proposed Grain Belt Express Phase 1 Converter Station
- Existing McCredie Substation
- Existing Burns Substation
- Existing Saddle Substation
- Mapbook Index
- Department Of Defense (DOD)
- US Fish and Wildlife (USFW)
- State
- Private or Unknown

Kansas and Missouri  
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Base Map: Esri ArcGIS Online,  
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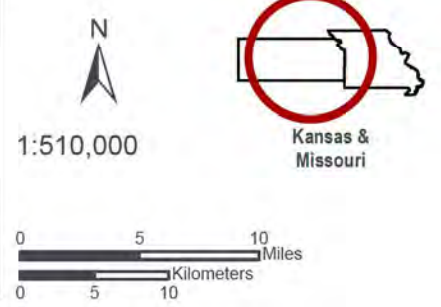


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**SHEET MAP INDEX**  
Sheet 7 of 7

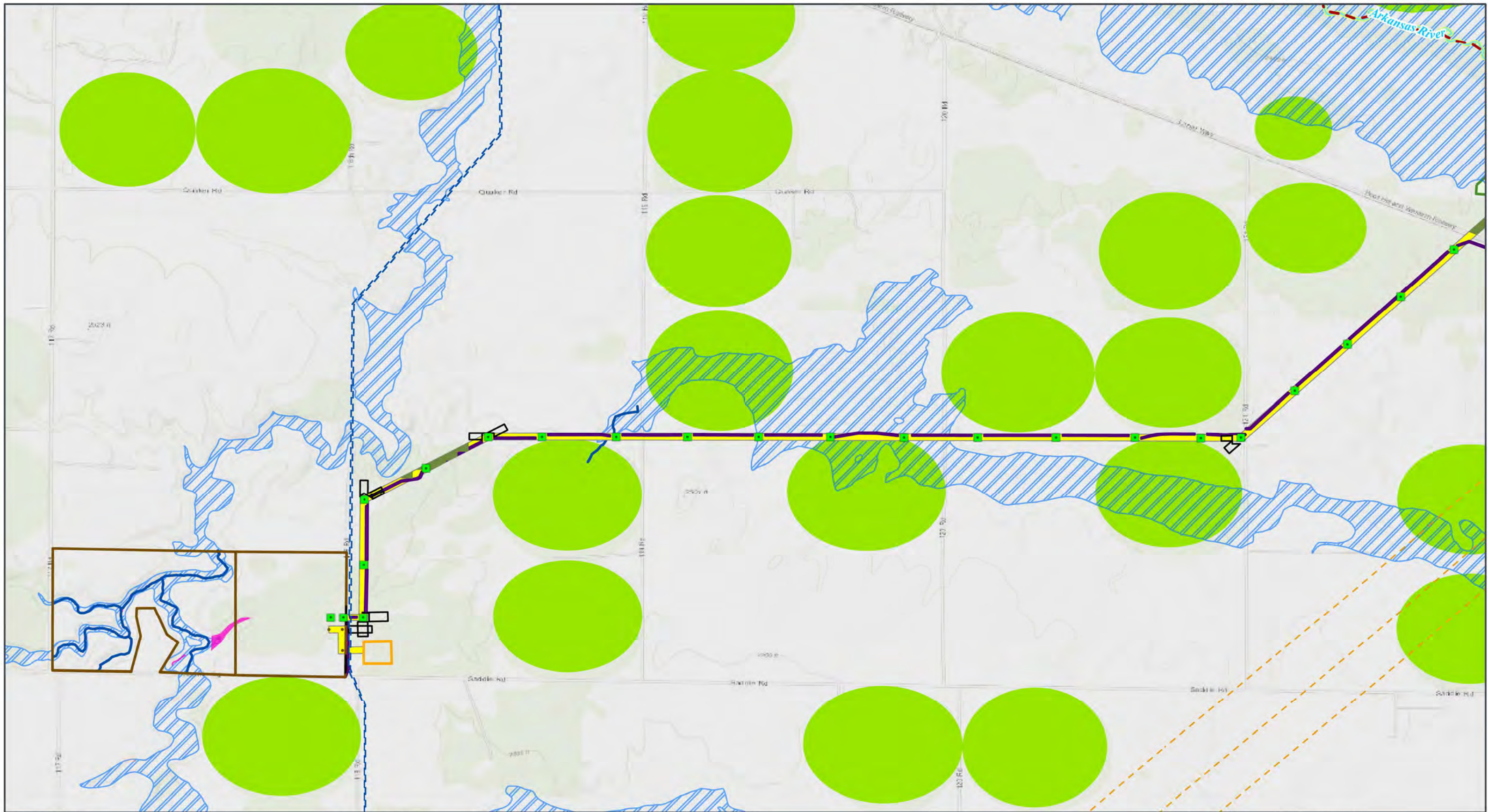
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- Proposed Grain Belt Express Phase 1 Tiger Connector
- Proposed Grain Belt Express Phase 1 Ford County Interconnect
- Proposed Grain Belt Express Phase 1 Converter Station
- Existing McCredie Substation
- Existing Burns Substation
- Existing Saddle Substation
- Mapbook Index
- Department Of Defense (DOD)
- US Forest Service (USFS)
- US Fish and Wildlife (USFW)
- Private or Unknown

Kansas and Missouri  
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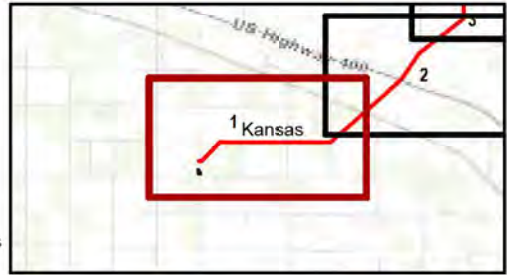


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 1 of 127

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Transmission Structure</li> <li><span style="color: purple;">■</span> Habitat Conversion</li> <li><span style="color: purple;">■</span> Access Road</li> <li><span style="border: 1px solid brown; display: inline-block; width: 15px; height: 10px;"></span> Converter Station Parcel</li> <li><span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Pull Site/Tension Site</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="border: 1px solid orange; display: inline-block; width: 15px; height: 10px;"></span> ITC Great Plains Saddle Substation</li> <li><span style="color: blue;">---</span> Transmission Lines (115kV or Higher)</li> <li><span style="color: orange;">---</span> Existing Pipeline</li> <li><span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> County Boundary</li> <li><span style="border: 2px solid black; display: inline-block; width: 15px; height: 10px;"></span> State Boundary</li> </ul> | <p><b>Surface Management Agency</b></p> <ul style="list-style-type: none"> <li><span style="background-color: lightgrey; border: 1px solid grey; display: inline-block; width: 15px; height: 10px;"></span> Private or Unknown</li> </ul> <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">---</span> Delineated Stream</li> <li><span style="background-color: pink; border: 1px solid pink; display: inline-block; width: 15px; height: 10px;"></span> Delineated Wetland</li> <li><span style="color: cyan;">---</span> NHD Stream/River</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: red;">---</span> Impaired Waterway (303d)</li> <li><span style="background-color: lightgreen; border: 1px solid green; display: inline-block; width: 15px; height: 10px;"></span> KDHE Special Status Stream</li> <li><span style="background-color: lime; border: 1px solid green; display: inline-block; width: 15px; height: 10px;"></span> Center Pivot Irrigation Area</li> <li><span style="background-color: lightblue; border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> 100-year FEMA Floodplain</li> </ul> <p><b>Sensitive Biological Resources</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; display: inline-block; width: 15px; height: 10px;"></span> Eastern Spotted Skunk Critical Habitat</li> </ul> |
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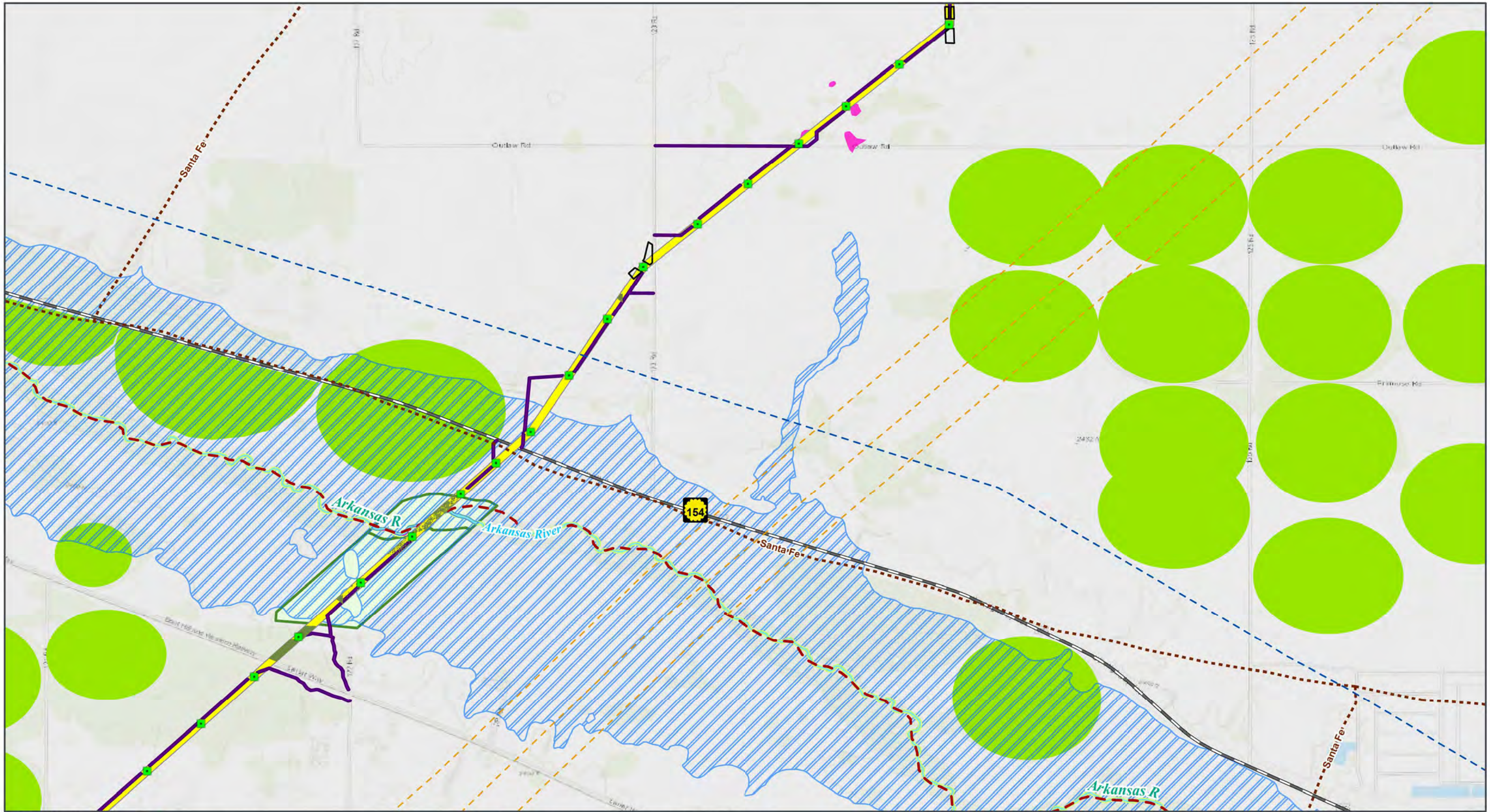
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Kansas and Missouri  
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Project No. 60694559  
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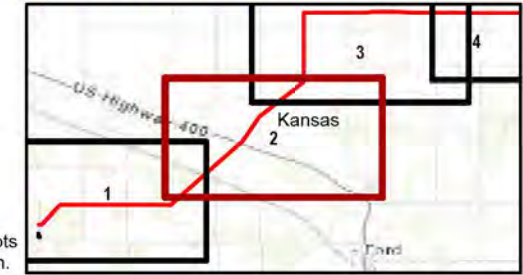
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 2 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Delineated Wetland

- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Center Pivot Irrigation Area
- 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Eastern Spotted Skunk Critical Habitat
- Cultural and Scenic Resources**
- National Historic Trail
- Transportation**
- State Highway

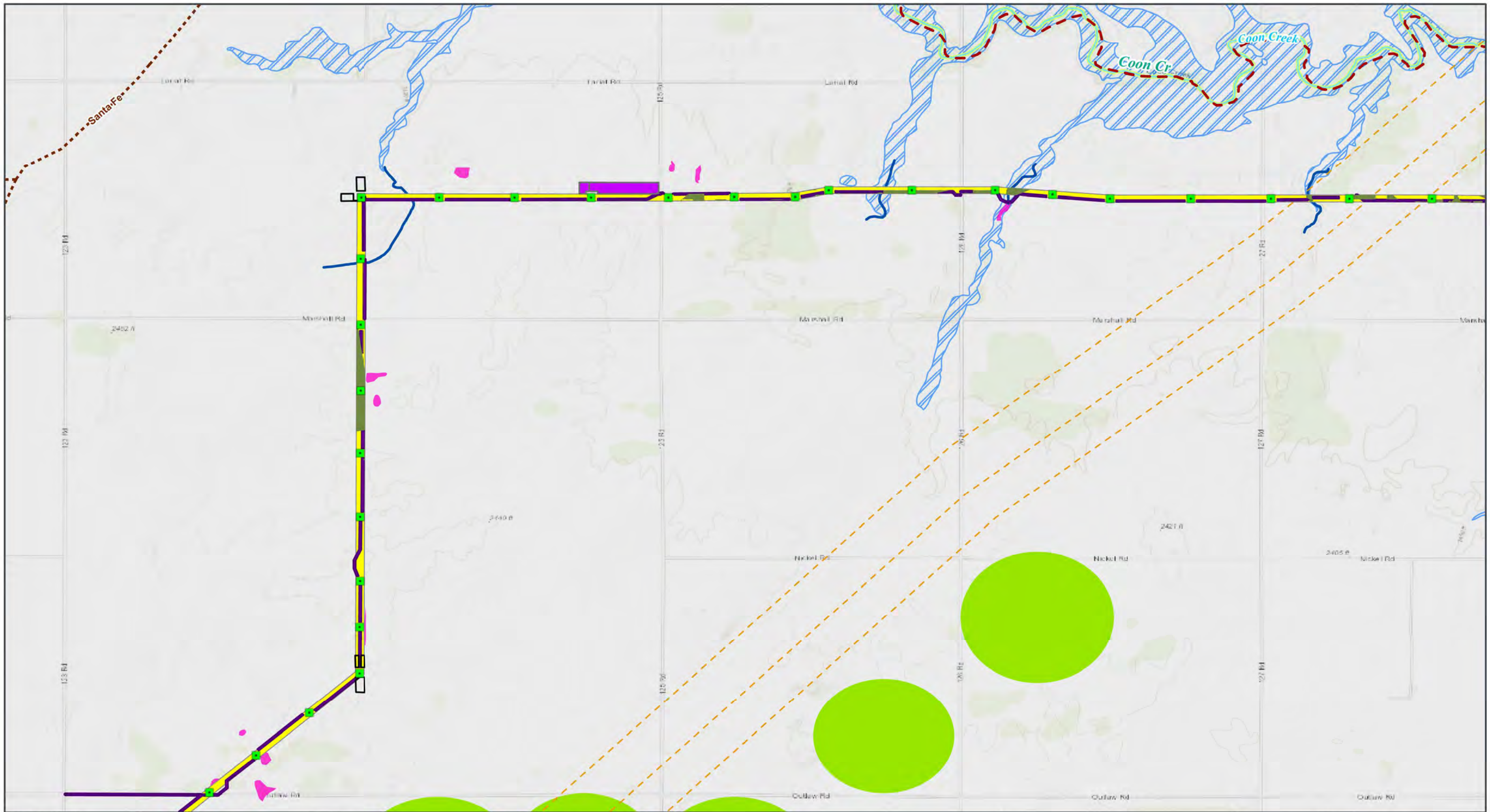


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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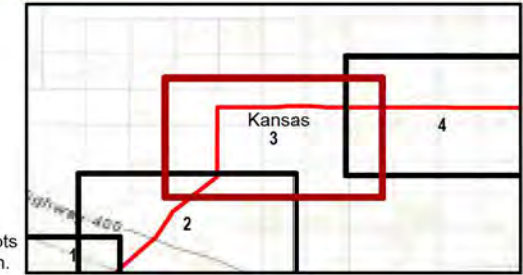
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 3 of 127



- |                        |                                  |                                      |
|------------------------|----------------------------------|--------------------------------------|
| Transmission Structure | County Boundary                  | NHD Stream/River                     |
| Habitat Conversion     | State Boundary                   | Impaired Waterway (303d)             |
| Access Road            | <b>Surface Management Agency</b> | KDHE Special Status Stream           |
| Helipad / Fly Yard     | Private or Unknown               | Center Pivot Irrigation Area         |
| Pull Site/Tension Site | <b>Hydrology</b>                 | 100-year FEMA Floodplain             |
| ROW                    | Delineated Stream                | <b>Cultural and Scenic Resources</b> |
| Existing Pipeline      | Delineated Wetland               | National Historic Trail              |

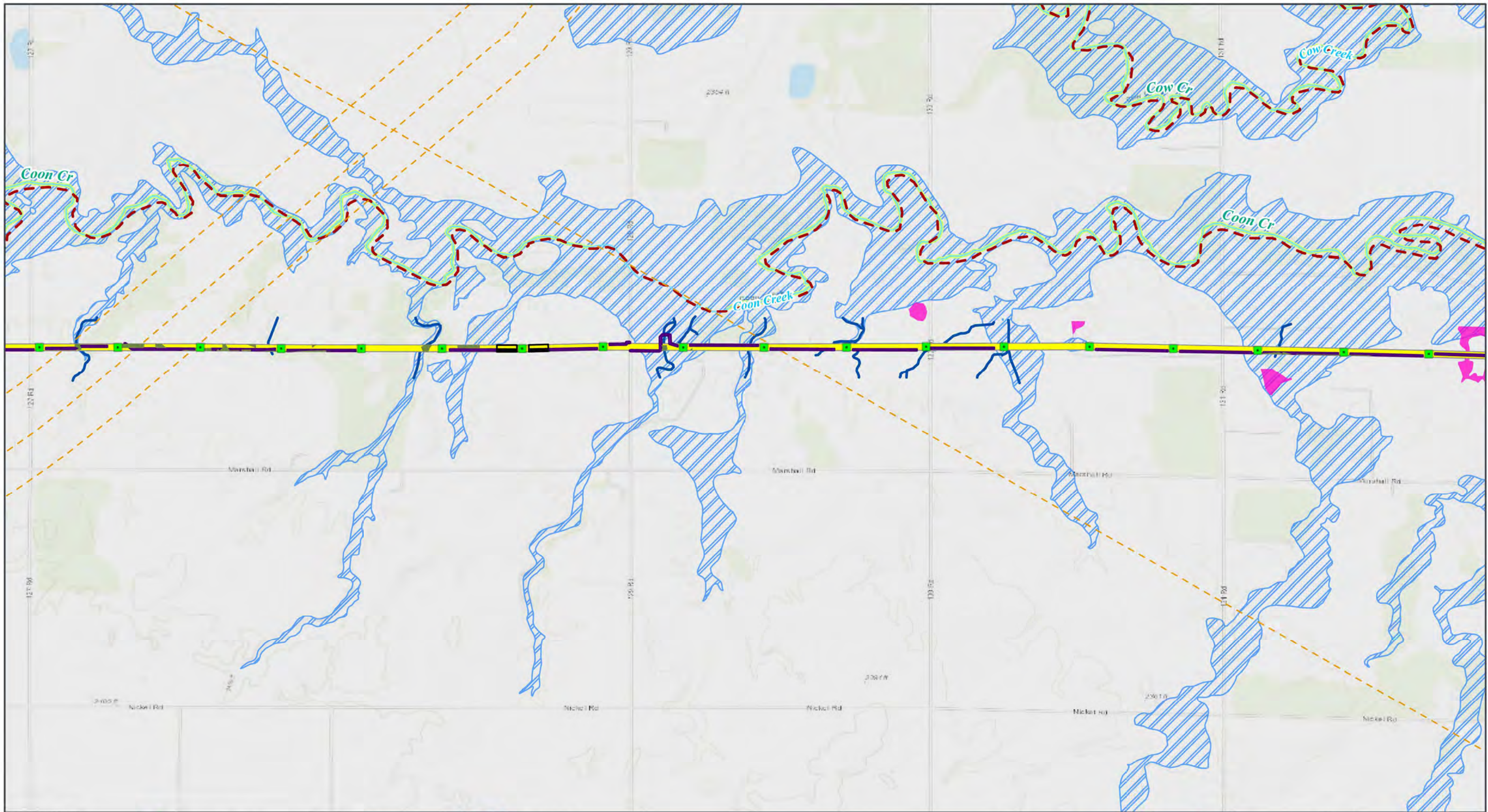


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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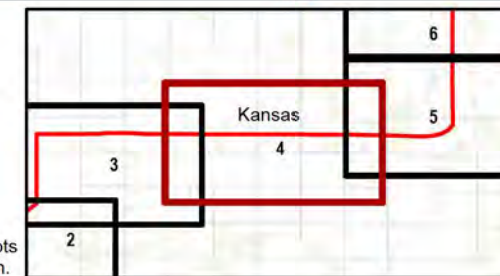
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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 4 of 127



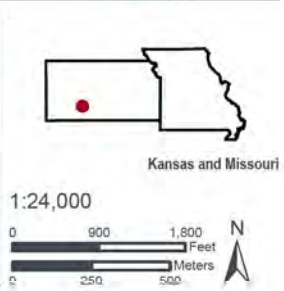
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|------------------------|----------------------------------|----------------------------|
| Transmission Structure | County Boundary                  | Delineated Wetland         |
| Habitat Conversion     | State Boundary                   | NHD Stream/River           |
| Access Road            | <b>Surface Management Agency</b> | Impaired Waterway (303d)   |
| Pull Site/Tension Site | Private or Unknown               | KDHE Special Status Stream |
| ROW                    | <b>Hydrology</b>                 | 100-year FEMA Floodplain   |
| Existing Pipeline      | Delineated Stream                |                            |

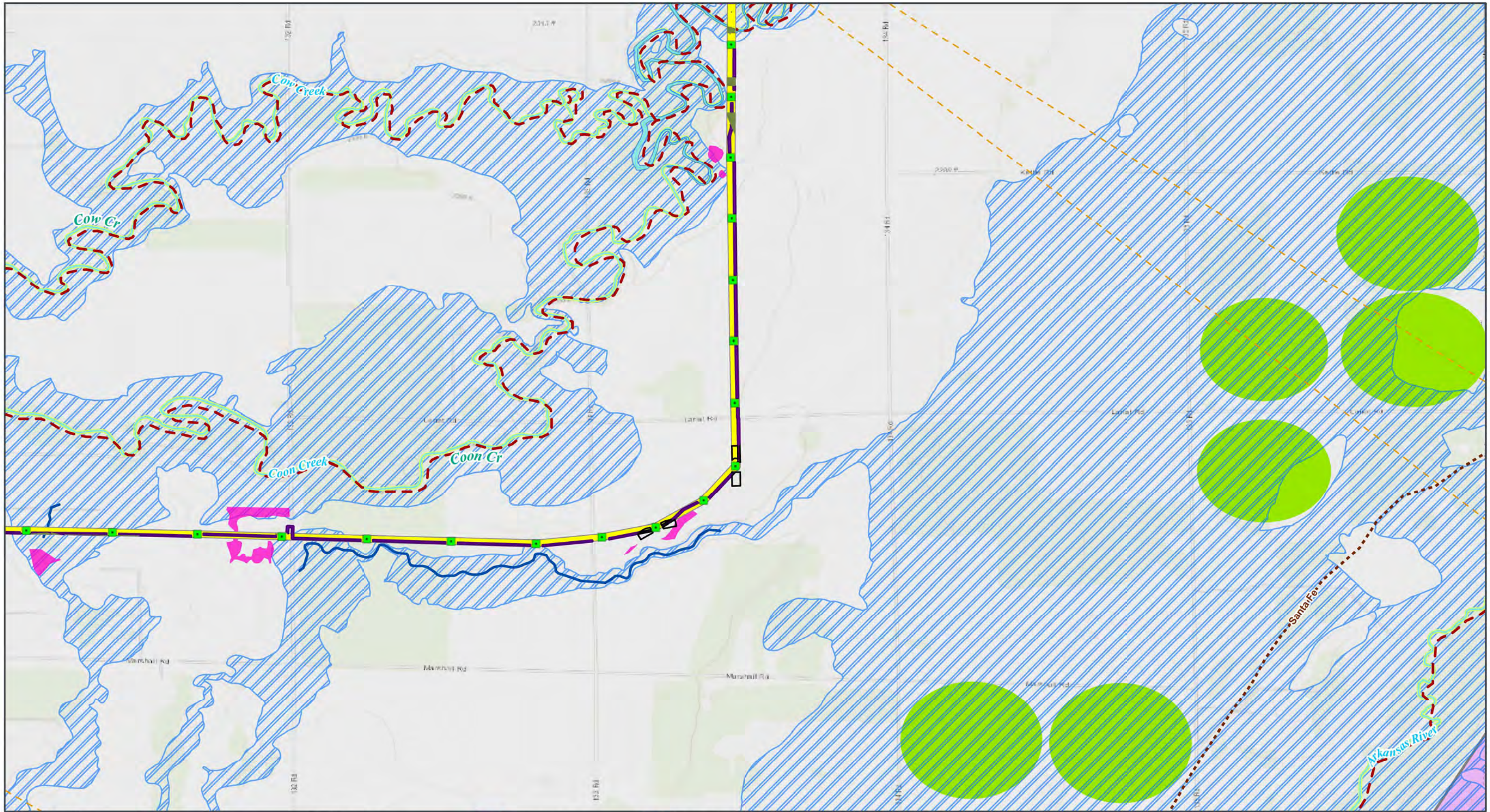


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
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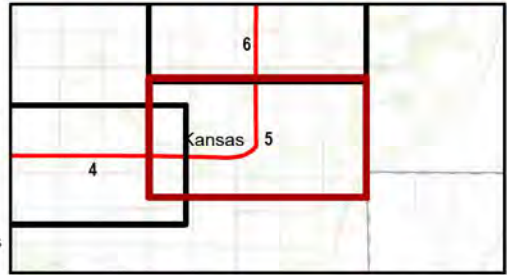
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Spre: DEIS\_MapBook\_24k





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                        |                                  |                              |   |
|------------------------|----------------------------------|------------------------------|---|
| Transmission Structure | County Boundary                  | Delineated Wetland           | 100-year FEMA Floodplain                        |
| Habitat Conversion     | State Boundary                   | Delineated Waterbody         | <b>Sensitive Biological Resources</b>           |
| Access Road            | <b>Surface Management Agency</b> | NHD Stream/River             | Lesser Prairie-Chicken Estimated Occupied Range |
| Pull Site/Tension Site | Private or Unknown               | Impaired Waterway (303d)     | <b>Cultural and Scenic Resources</b>            |
| ROW                    | <b>Hydrology</b>                 | KDHE Special Status Stream   | National Historic Trail                         |
| Existing Pipeline      | Delineated Stream                | Center Pivot Irrigation Area |   |

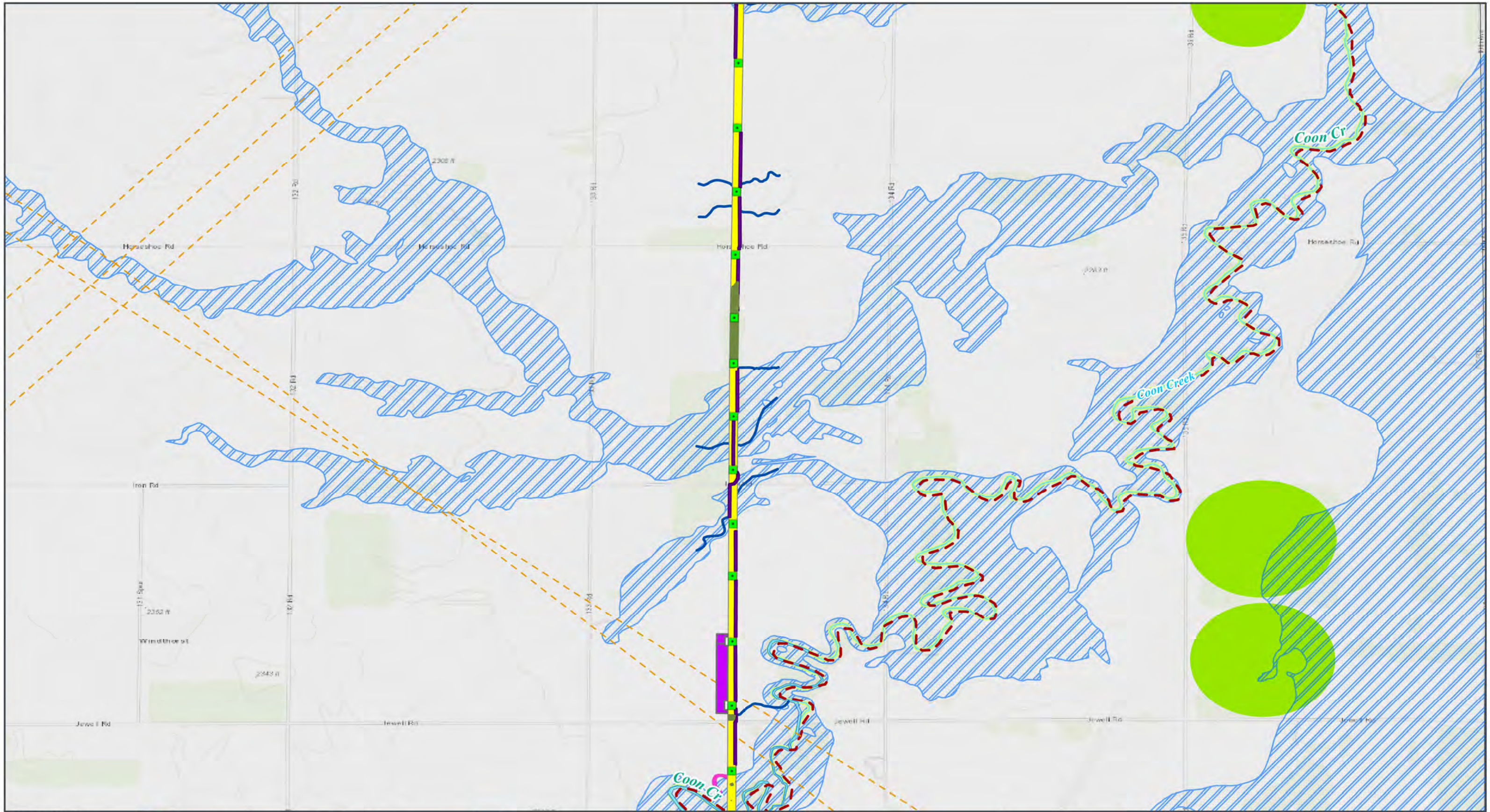


Kansas and Missouri  
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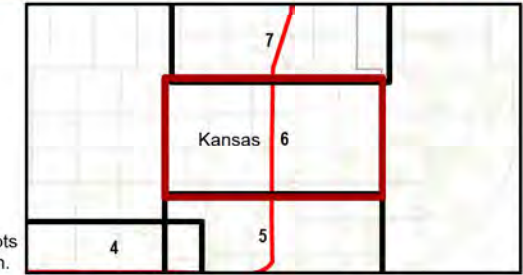
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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- ROW
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- 100-year FEMA Floodplain
- Center Pivot Irrigation Area



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

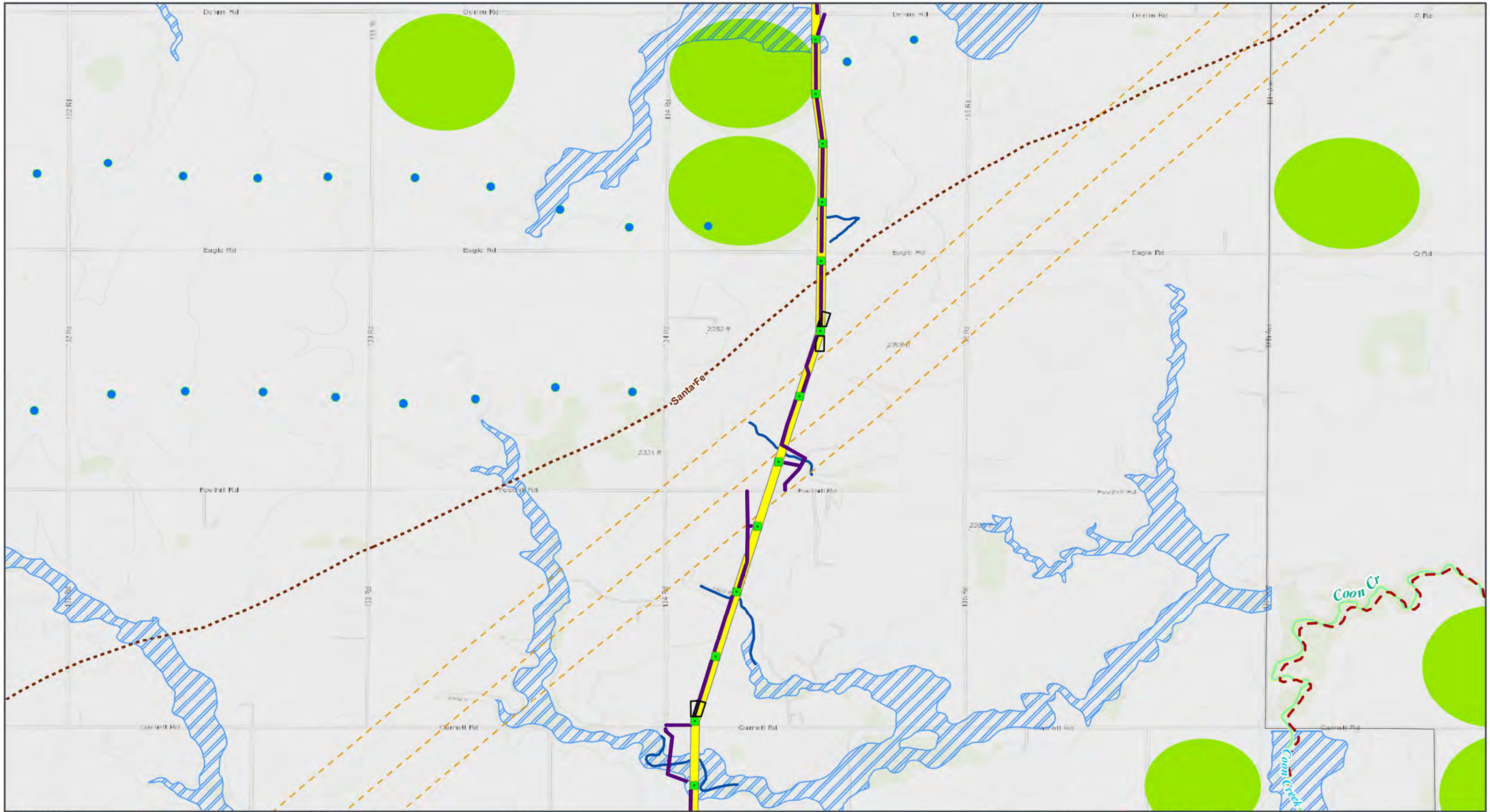
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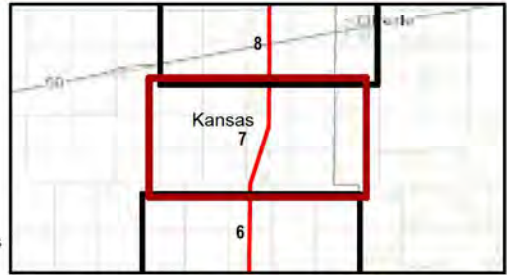
Kansas and Missouri

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 7 of 127

- |                        |                                  |                                      |
|------------------------|----------------------------------|--------------------------------------|
| Transmission Structure | County Boundary                  | NHD Stream/River                     |
| Access Road            | State Boundary                   | Impaired Waterway (303d)             |
| Pull Site/Tension Site | <b>Surface Management Agency</b> | KDHE Special Status Stream           |
| ROW                    | Private or Unknown               | Center Pivot Irrigation Area         |
| Existing Wind Turbine  | <b>Hydrology</b>                 | 100-year FEMA Floodplain             |
| Existing Pipeline      | Delineated Stream                | <b>Cultural and Scenic Resources</b> |
|                        | Delineated Wetland               | National Historic Trail              |

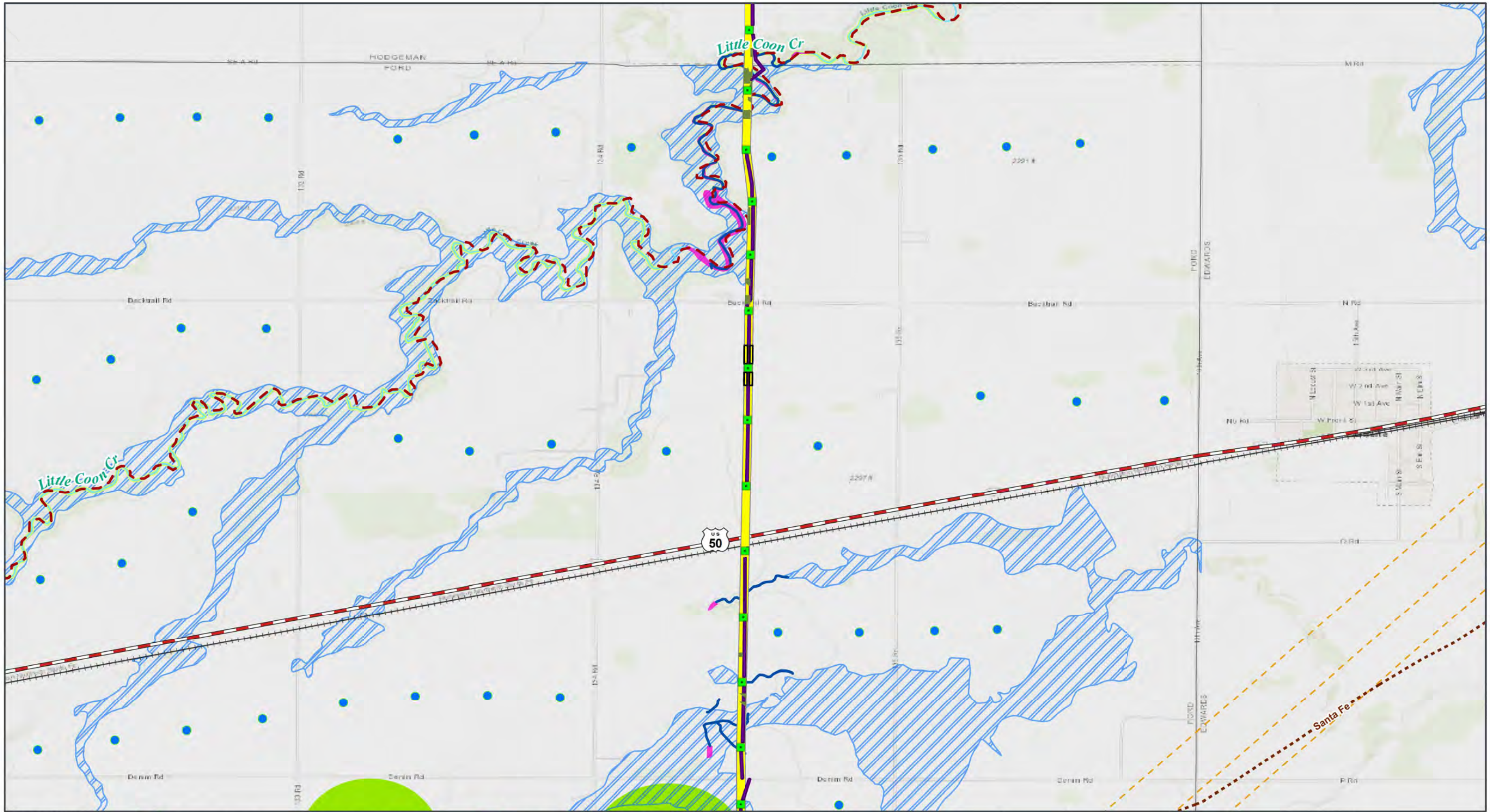


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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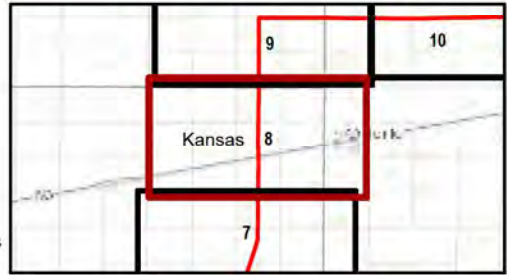


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 8 of 127



- |                        |   |                              |                         |
|------------------------|---|------------------------------|-------------------------|
| Transmission Structure | Existing Pipeline                               | Delineated Wetland           | National Historic Trail |
| Habitat Conversion     | County Boundary                                 | NHD Stream/River             | U.S. Highway            |
| Access Road            | State Boundary                                  | Impaired Waterway (303d)     | Railroad                |
| Pull Site/Tension Site | Surface Management Agency<br>Private or Unknown | KDHE Special Status Stream   |                         |
| ROW                    | Hydrology<br>Delineated Stream                  | Center Pivot Irrigation Area |                         |
| Existing Wind Turbine  |   | 100-year FEMA Floodplain     |                         |

NOTE: In some instances, center pivots appear as ovals due to map projection.

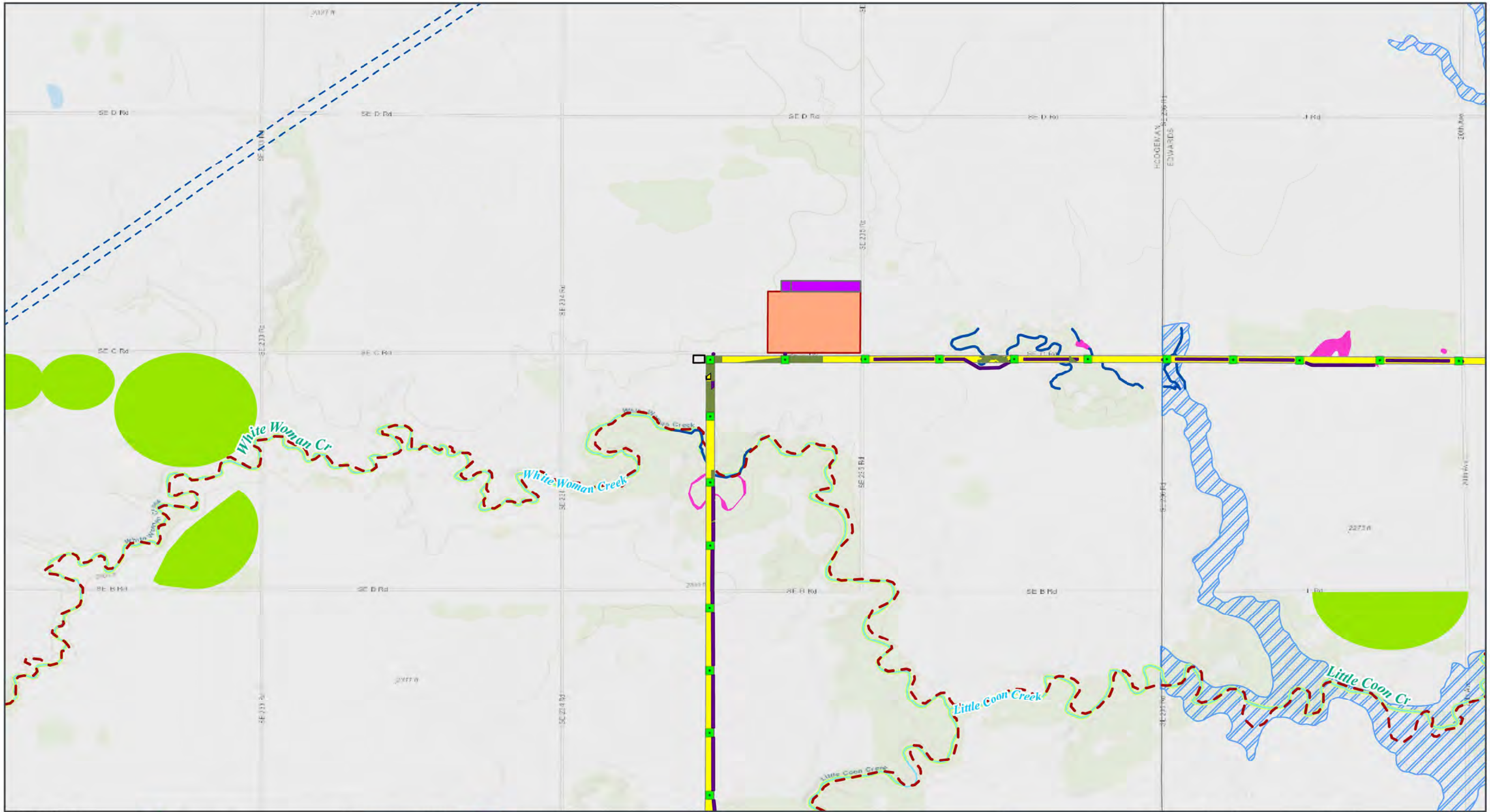


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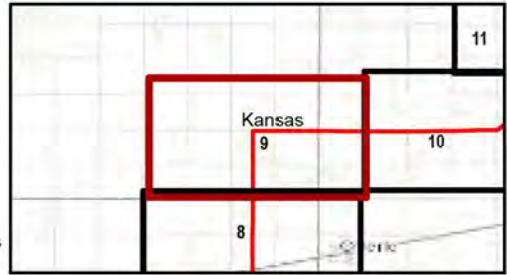




GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 9 of 127



- |                        |                                      |                              |
|------------------------|--------------------------------------|------------------------------|
| Transmission Structure | Transmission Lines (115kV or Higher) | Delineated Wetland           |
| Habitat Conversion     | County Boundary                      | NHD Stream/River             |
| Laydown Yard           | State Boundary                       | Impaired Waterway (303d)     |
| Access Road            | Surface Management Agency            | KDHE Special Status Stream   |
| Helipad / Fly Yard     | Private or Unknown                   | Center Pivot Irrigation Area |
| Pull Site/Tension Site | <b>Hydrology</b>                     | 100-year FEMA Floodplain     |
| ROW                    | Delineated Stream                    |                              |



NOTE: In some instances, center pivots appear as ovals due to map projection.

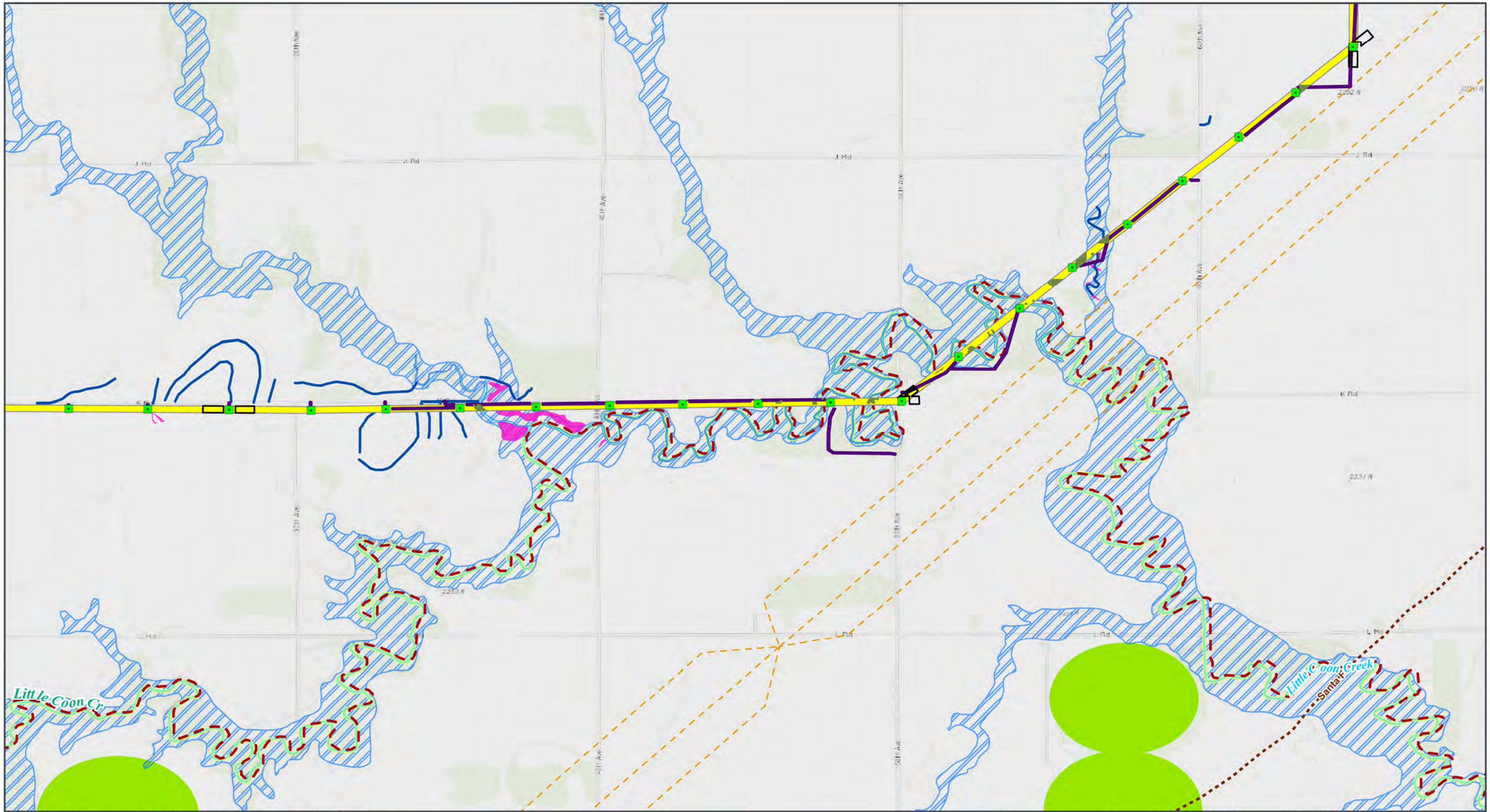
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Kansas and Missouri

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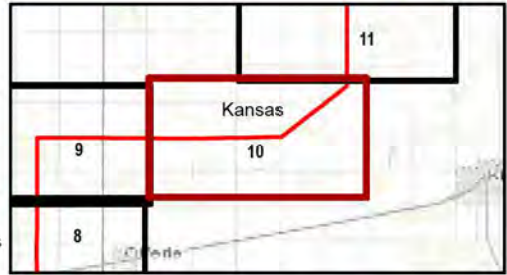
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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 10 of 127

- |                        |                                  |                                      |
|------------------------|----------------------------------|--------------------------------------|
| Transmission Structure | State Boundary                   | NHD Stream/River                     |
| Habitat Conversion     | <b>Surface Management Agency</b> | Impaired Waterway (303d)             |
| Access Road            | Private or Unknown               | KDHE Special Status Stream           |
| Pull Site/Tension Site | <b>Hydrology</b>                 | Center Pivot Irrigation Area         |
| ROW                    | Delineated Stream                | 100-year FEMA Floodplain             |
| Existing Pipeline      | Delineated Wetland               | <b>Cultural and Scenic Resources</b> |
| County Boundary        | Delineated Waterbody             | National Historic Trail              |

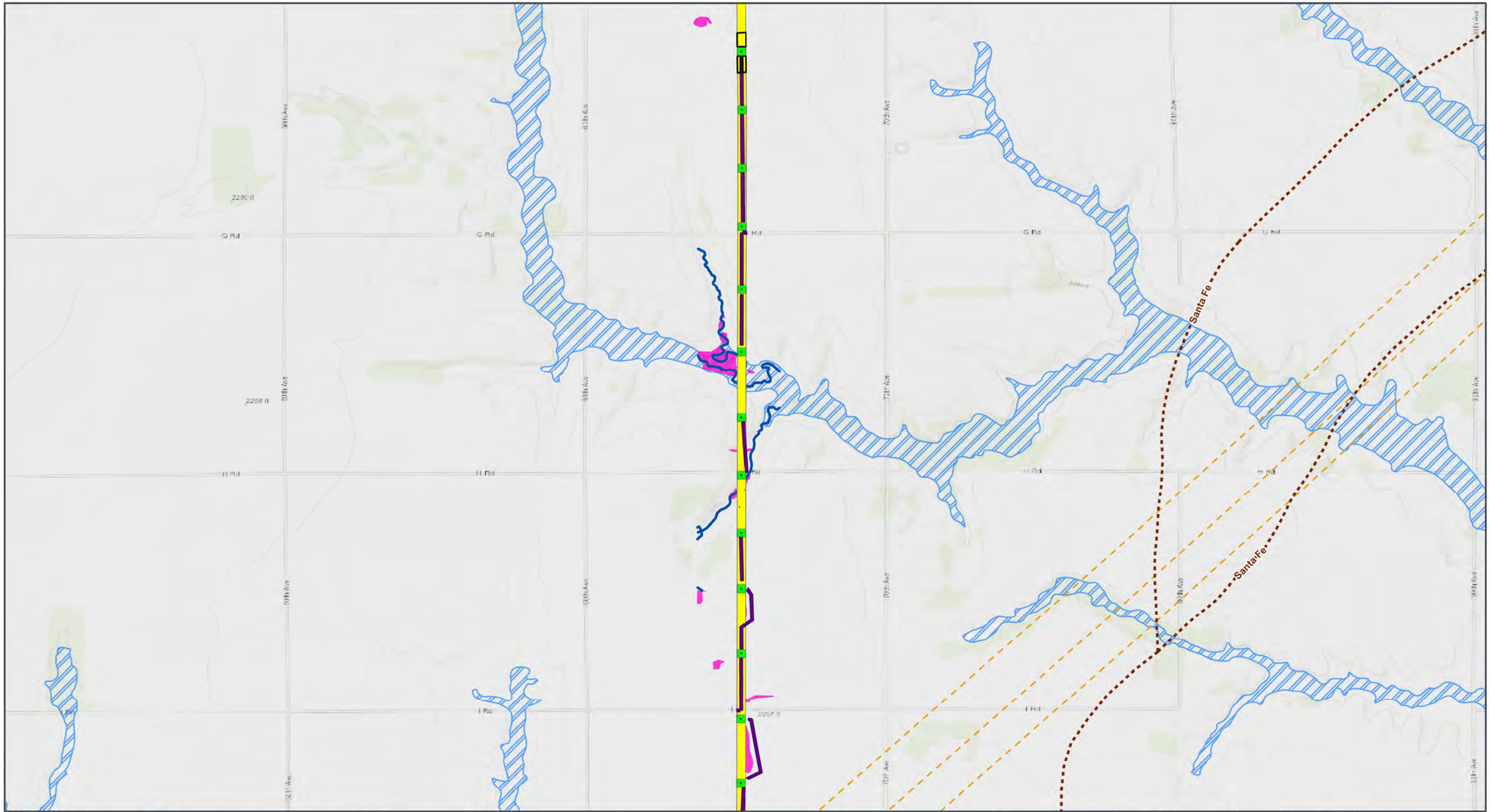


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.

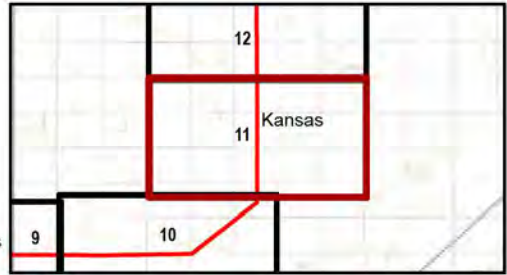


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 11 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW

- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - 100-year FEMA Floodplain
- Cultural and Scenic Resources**
- National Historic Trail



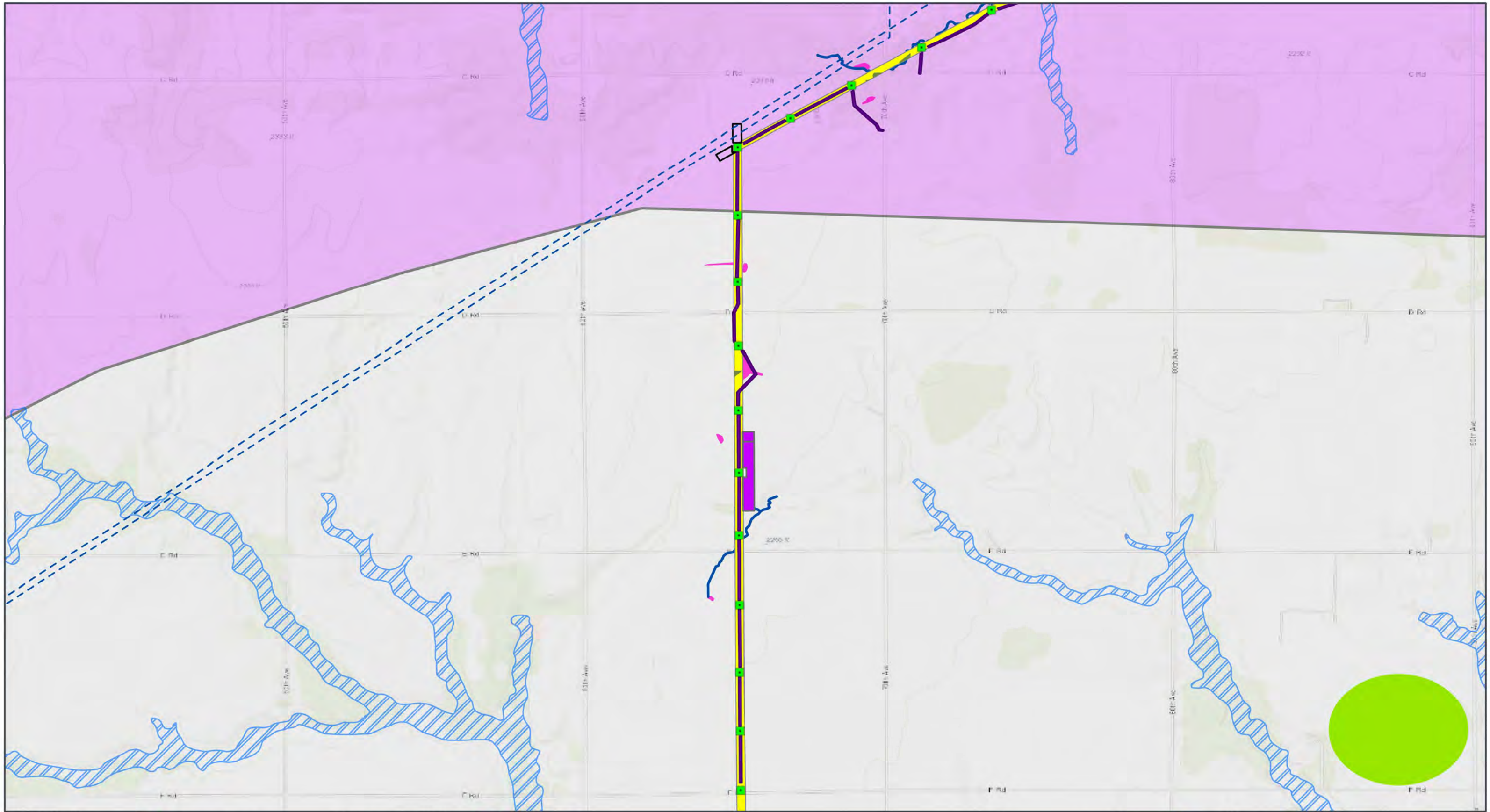
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



Base Map: Esri ArcGIS Online,  
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Updated: 1/6/2025  
Project No. 60694559  
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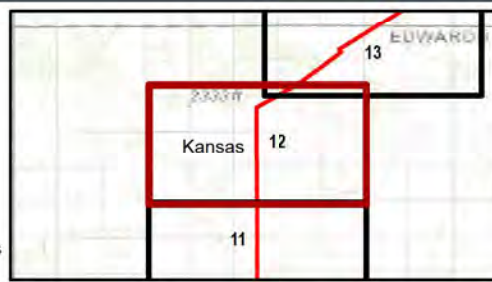


NOTE: In some instances, center pivots appear as ovals due to map projection.



- |                        |                                      |   |
|------------------------|--------------------------------------|---|
| Transmission Structure | Transmission Lines (115kV or Higher) | Delineated Wetland                              |
| Habitat Conversion     | County Boundary                      | Center Pivot Irrigation Area                    |
| Access Road            | State Boundary                       | 100-year FEMA Floodplain                        |
| Helipad / Fly Yard     | Surface Management Agency            | <b>Sensitive Biological Resources</b>           |
| Pull Site/Tension Site | Private or Unknown                   | Lesser Prairie-Chicken Estimated Occupied Range |
| ROW                    | <b>Hydrology</b>                     |   |
|                        | Delineated Stream                    |   |

NOTE: In some instances, center pivots appear as ovals due to map projection.

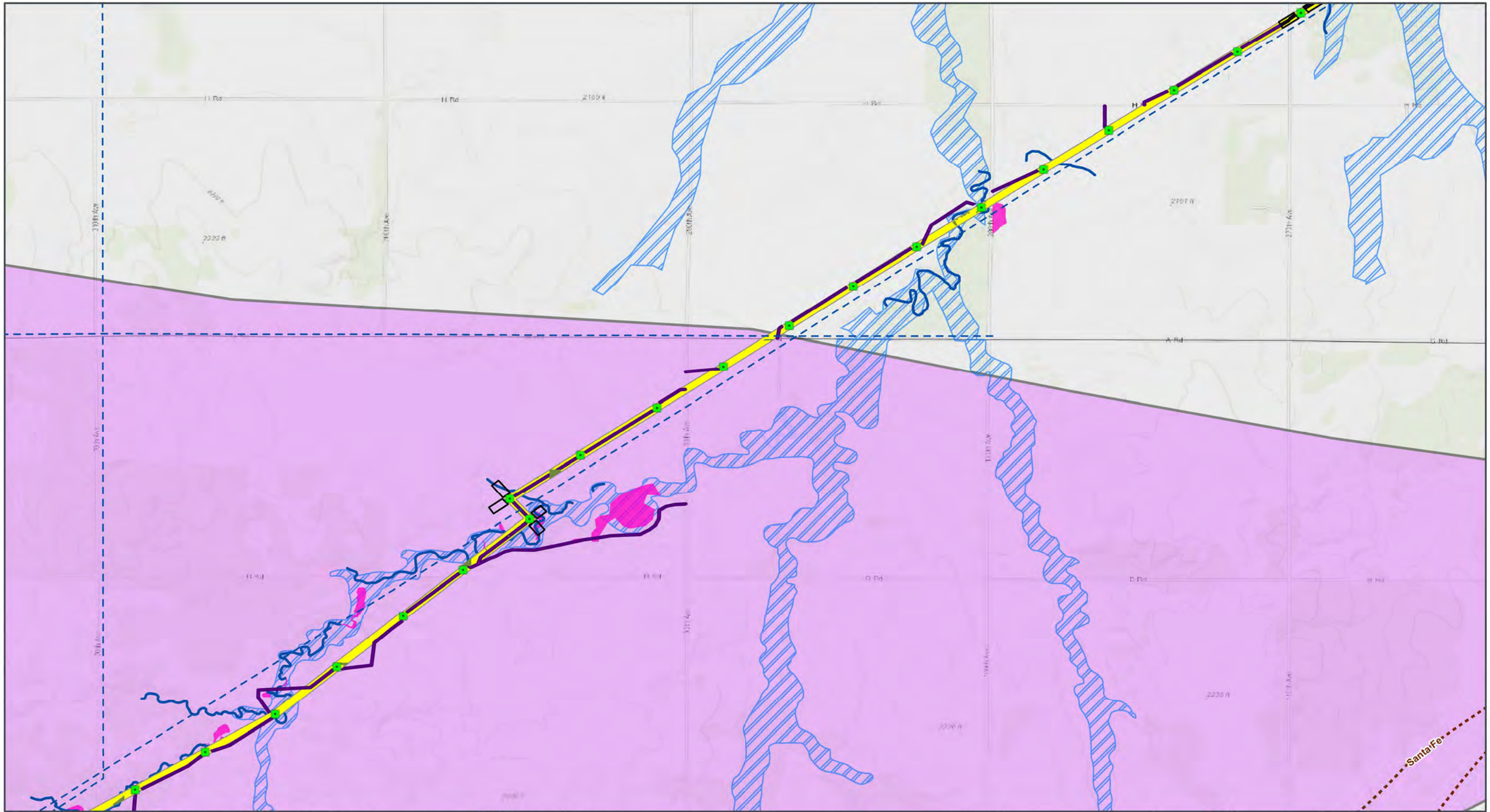


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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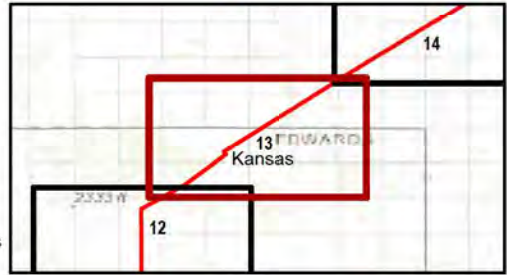
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Layout: DEIS Mapbook\_24k  
Sps: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |                                  |   |
|--------------------------------------|----------------------------------|---|
| Transmission Structure               | County Boundary                  | 100-year FEMA Floodplain                        |
| Habitat Conversion                   | State Boundary                   | <b>Sensitive Biological Resources</b>           |
| Access Road                          | <b>Surface Management Agency</b> | Lesser Prairie-Chicken Estimated Occupied Range |
| Pull Site/Tension Site               | Private or Unknown               | <b>Cultural and Scenic Resources</b>            |
| ROW                                  | <b>Hydrology</b>                 | National Historic Trail                         |
| Transmission Lines (115kV or Higher) | Delineated Stream                |   |
|                                      | Delineated Wetland               |   |

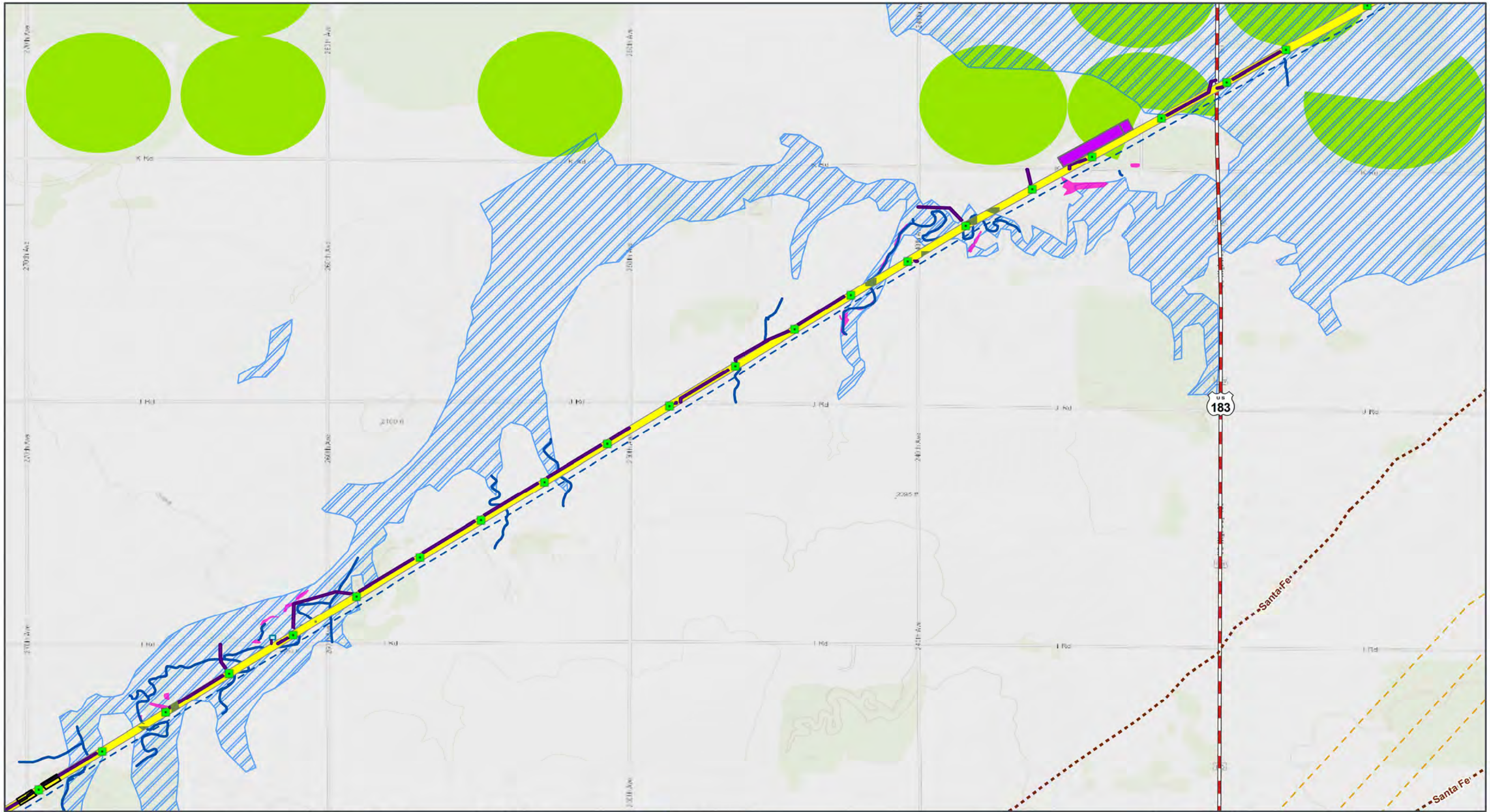


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                        |                                      |                                  |                                      |
|------------------------|--------------------------------------|----------------------------------|--------------------------------------|
| Transmission Structure | Pull Site/Tension Site               | State Boundary                   | Center Pivot Irrigation Area         |
| Habitat Conversion     | ROW                                  | <b>Surface Management Agency</b> | 100-year FEMA Floodplain             |
| Access Road            | Transmission Lines (115kV or Higher) | Private or Unknown               | <b>Cultural and Scenic Resources</b> |
| Helipad / Fly Yard     | Existing Pipeline                    | <b>Hydrology</b>                 | National Historic Trail              |
| Optical Regeneration   | County Boundary                      | Delineated Stream                | <b>Transportation</b>                |
| OPGW Access            |                                      | Delineated Wetland               | U.S. Highway                         |



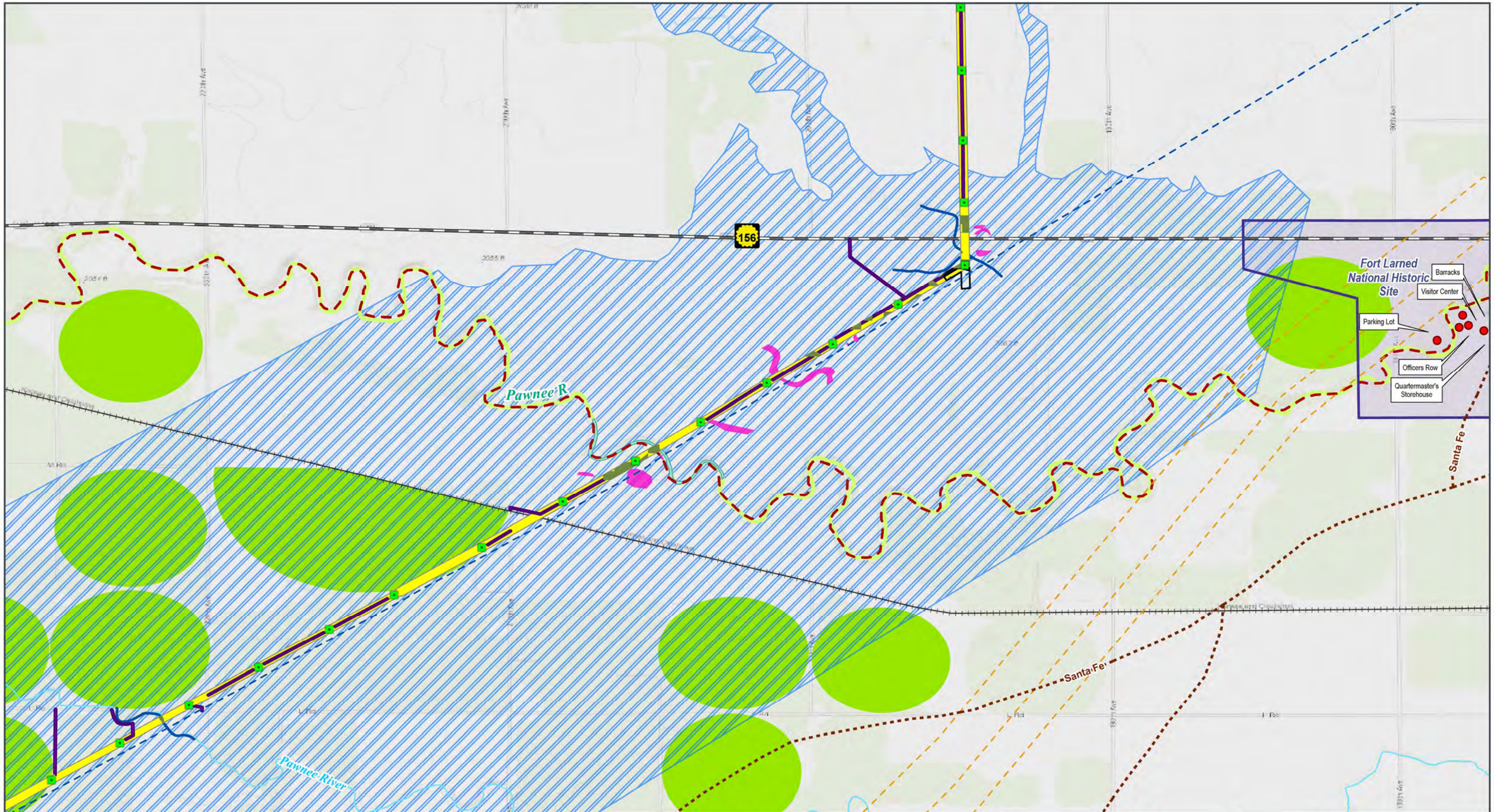
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Kansas and Missouri

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
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NOTE: In some instances, center pivots appear as ovals due to map projection.

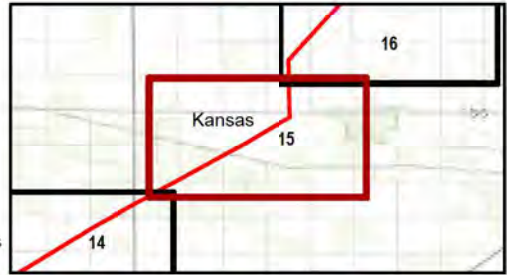


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |                                  |                              |                                      |
|--------------------------------------|----------------------------------|------------------------------|--------------------------------------|
| Transmission Structure               | Existing Pipeline                | Delineated Wetland           | Key Observation Point (KOP) Location |
| Habitat Conversion                   | County Boundary                  | Delineated Waterbody         | National Historic Trail              |
| Access Road                          | State Boundary                   | NHD Stream/River             | Fort Larned National Historic Site   |
| Pull Site/Tension Site               | <b>Surface Management Agency</b> | Impaired Waterway (303d)     | <b>Transportation</b>                |
| ROW                                  | National Park Service (NPS)      | KDHE Special Status Stream   | State Highway                        |
| Transmission Lines (115kV or Higher) | Private or Unknown               | Center Pivot Irrigation Area | Railroad                             |
|                                      | <b>Hydrology</b>                 | 100-year FEMA Floodplain     |                                      |
|                                      | Delineated Stream                |                              |                                      |



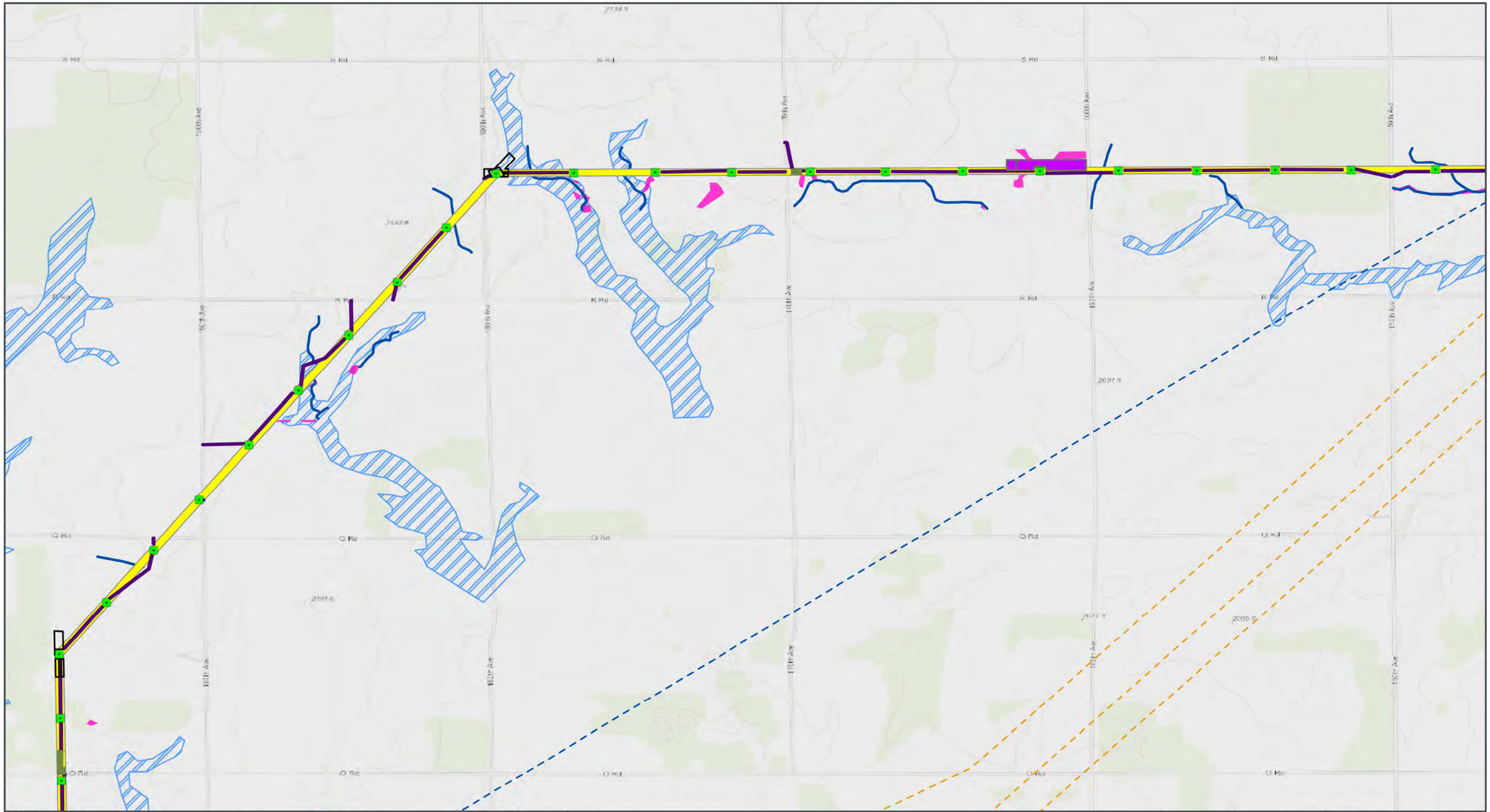
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

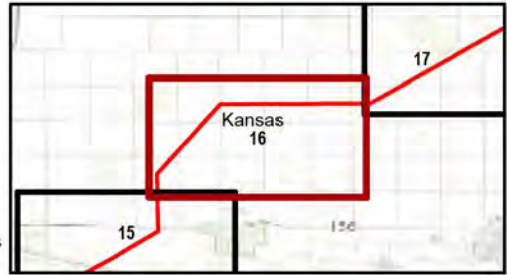
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Base Map: Esri ArcGIS Online, accessed January 2025  
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Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                        |                                      |                                  |
|------------------------|--------------------------------------|----------------------------------|
| Transmission Structure | ROW                                  | <b>Surface Management Agency</b> |
| Habitat Conversion     | Transmission Lines (115kV or Higher) | Private or Unknown               |
| Access Road            | Existing Pipeline                    | <b>Hydrology</b>                 |
| Helipad / Fly Yard     | County Boundary                      | Delineated Stream                |
| Pull Site/Tension Site | State Boundary                       | Delineated Wetland               |
|                        |                                      | 100-year FEMA Floodplain         |



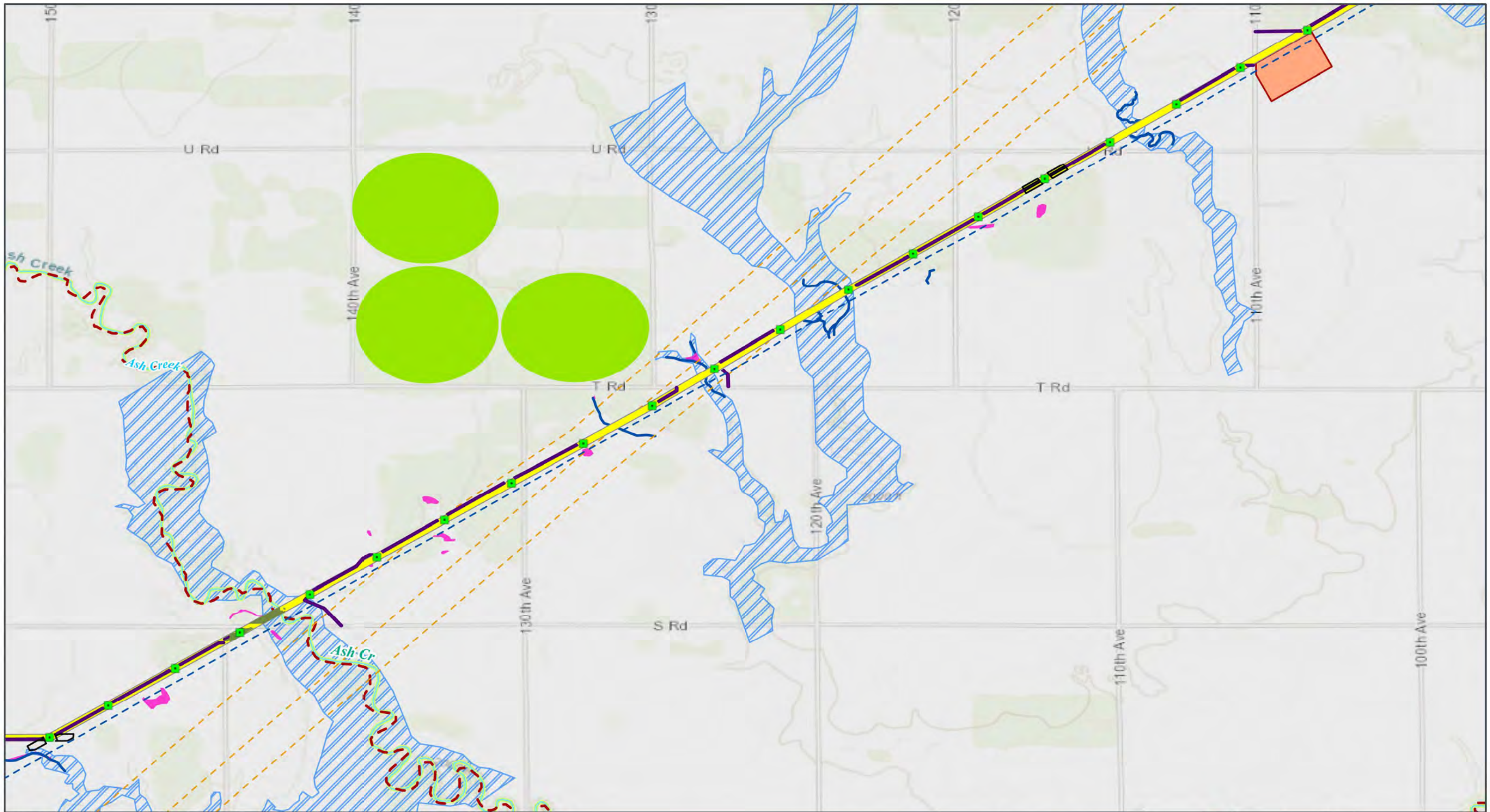
NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
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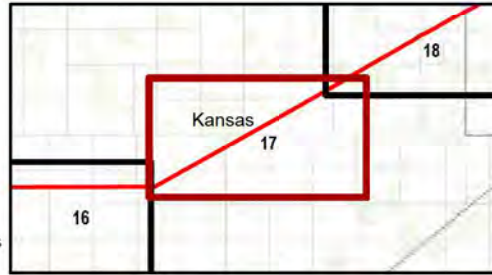


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |   |                              |
|--------------------------------------|---|------------------------------|
| Transmission Structure               | Existing Pipeline                               | Delineated Wetland           |
| Habitat Conversion                   | County Boundary                                 | NHD Stream/River             |
| Laydown Yard                         | State Boundary                                  | Impaired Waterway (303d)     |
| Access Road                          | Surface Management Agency<br>Private or Unknown | KDHE Special Status Stream   |
| Pull Site/Tension Site               | Hydrology<br>Delineated Stream                  | Center Pivot Irrigation Area |
| ROW                                  |   | 100-year FEMA Floodplain     |
| Transmission Lines (115kV or Higher) |   |                              |

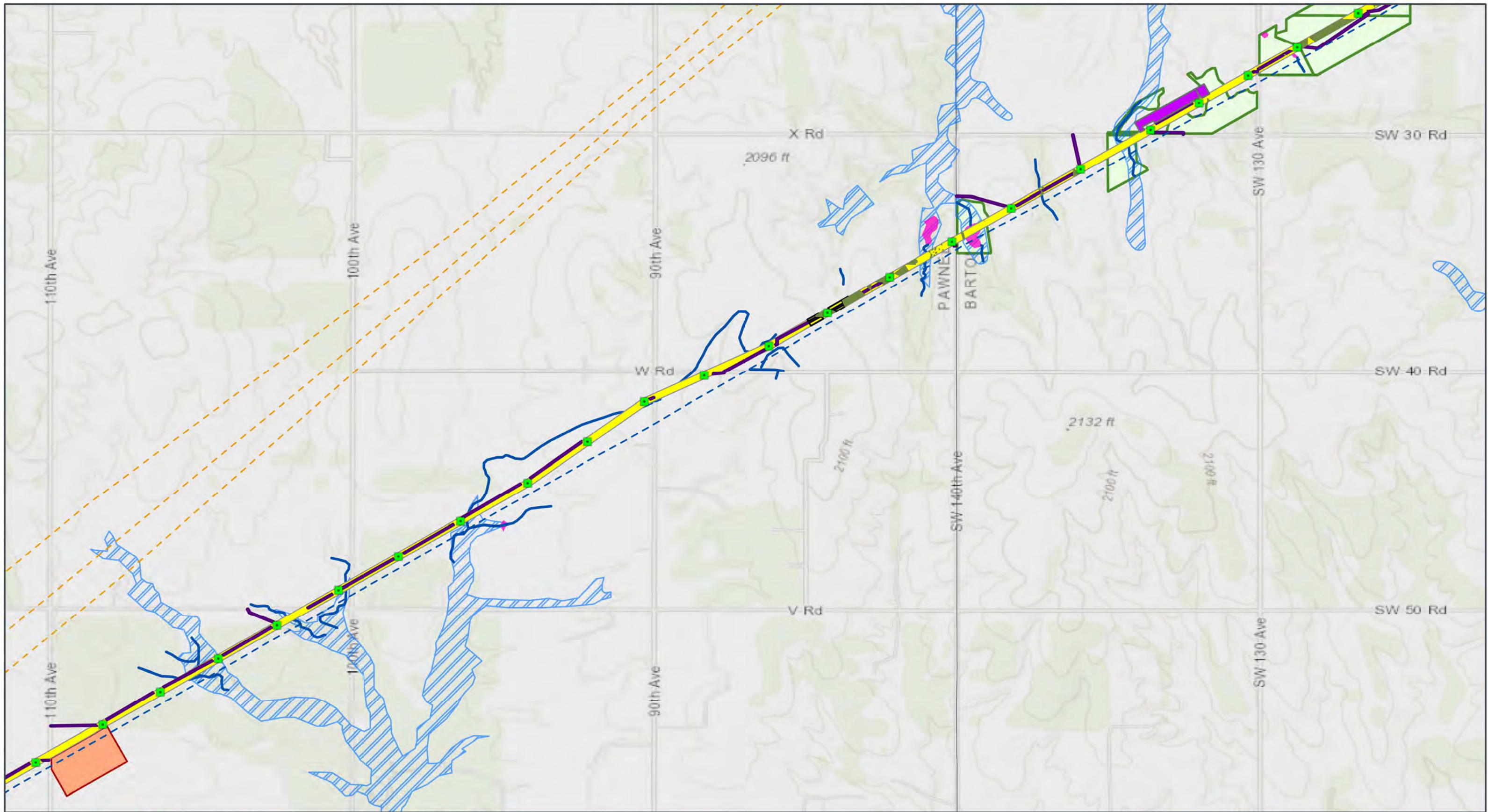
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
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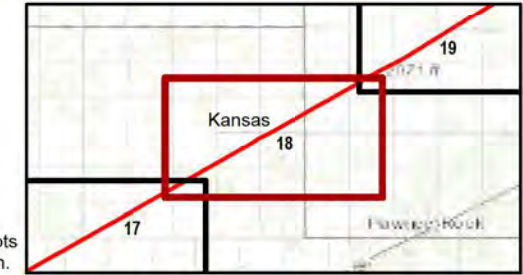
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - 100-year FEMA Floodplain
- Sensitive Biological Resources**
- Eastern Spotted Skunk Critical Habitat

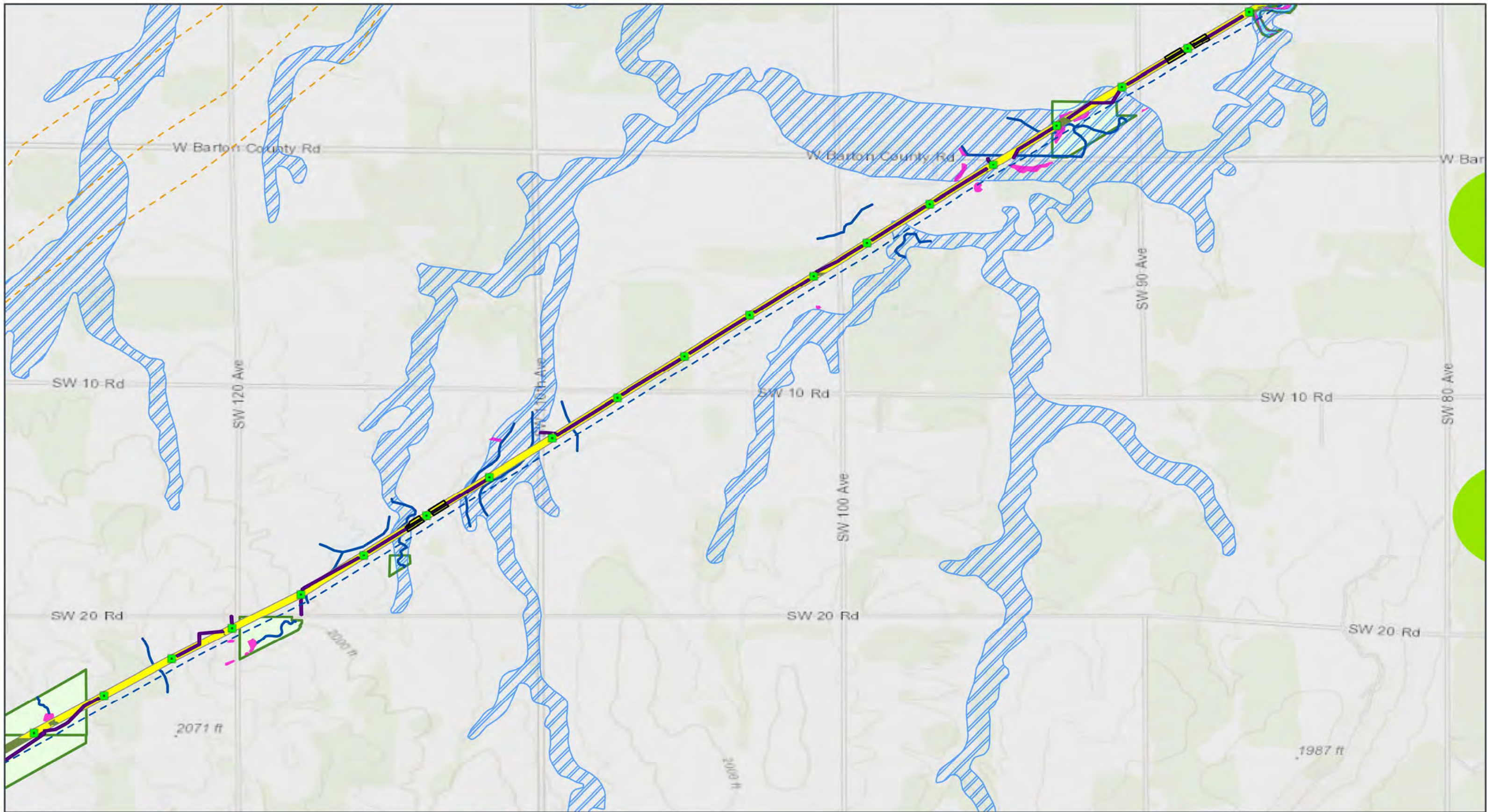


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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NOTE: In some instances, center pivots appear as ovals due to map projection.

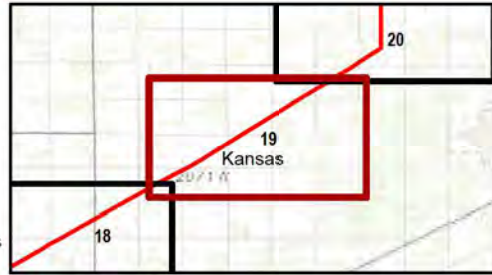


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | Existing Pipeline                | Delineated Wetland                     |
| Habitat Conversion                   | County Boundary                  | Delineated Waterbody                   |
| Access Road                          | State Boundary                   | Center Pivot Irrigation Area           |
| Pull Site/Tension Site               | <b>Surface Management Agency</b> | 100-year FEMA Floodplain               |
| ROW                                  | Private or Unknown               | <b>Sensitive Biological Resources</b>  |
| Transmission Lines (115kV or Higher) | <b>Hydrology</b>                 | Eastern Spotted Skunk Critical Habitat |
|                                      | Delineated Stream                |  |

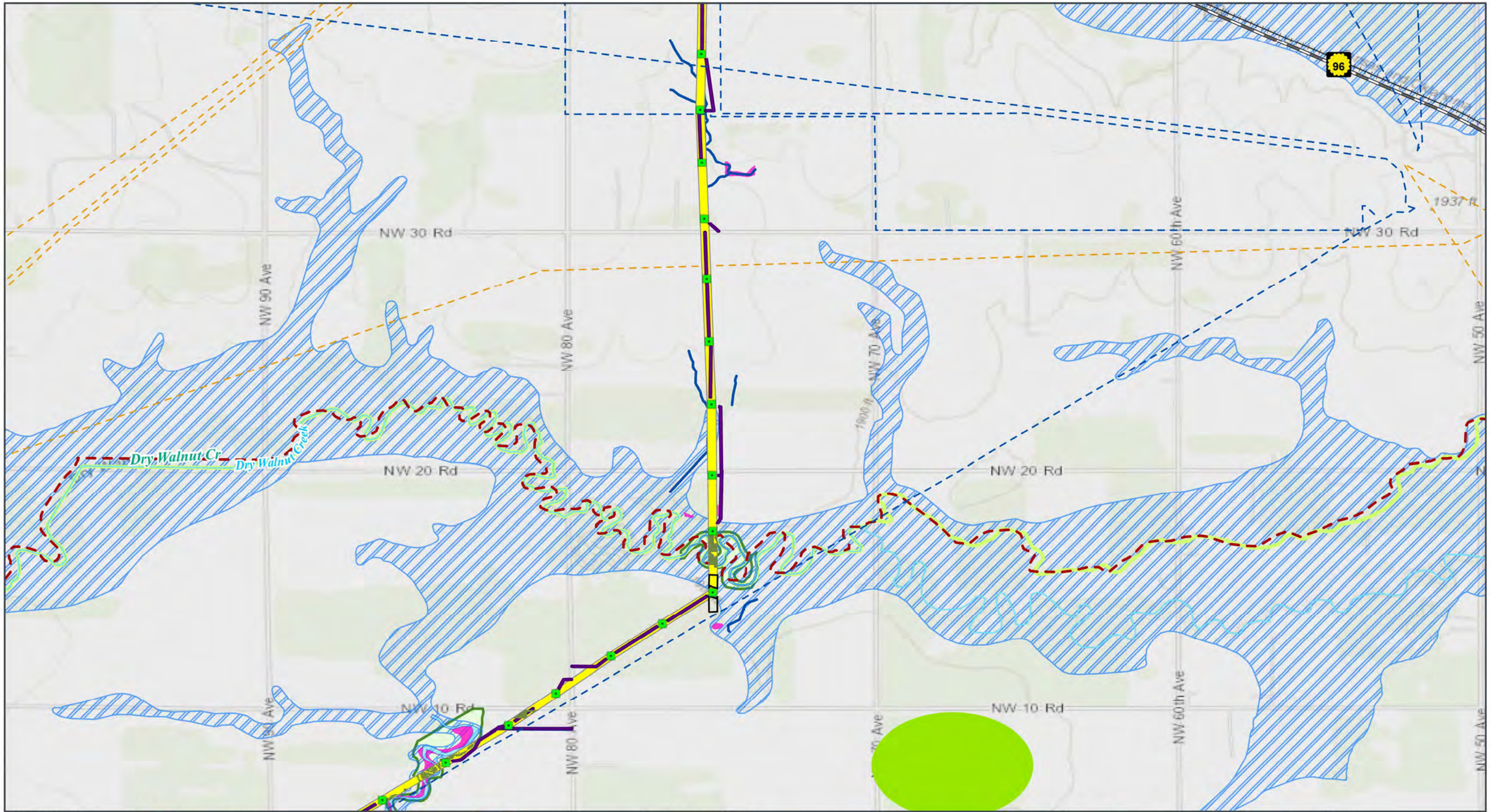
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Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
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TRANSMISSION LINE PROJECT  
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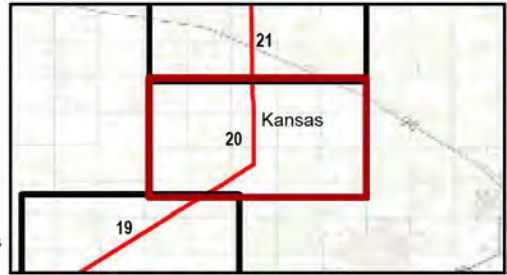


- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream

- Delineated Wetland
- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Center Pivot Irrigation Area
- 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Eastern Spotted Skunk Critical Habitat
- Transportation**
- State Highway
- + + + Railroad

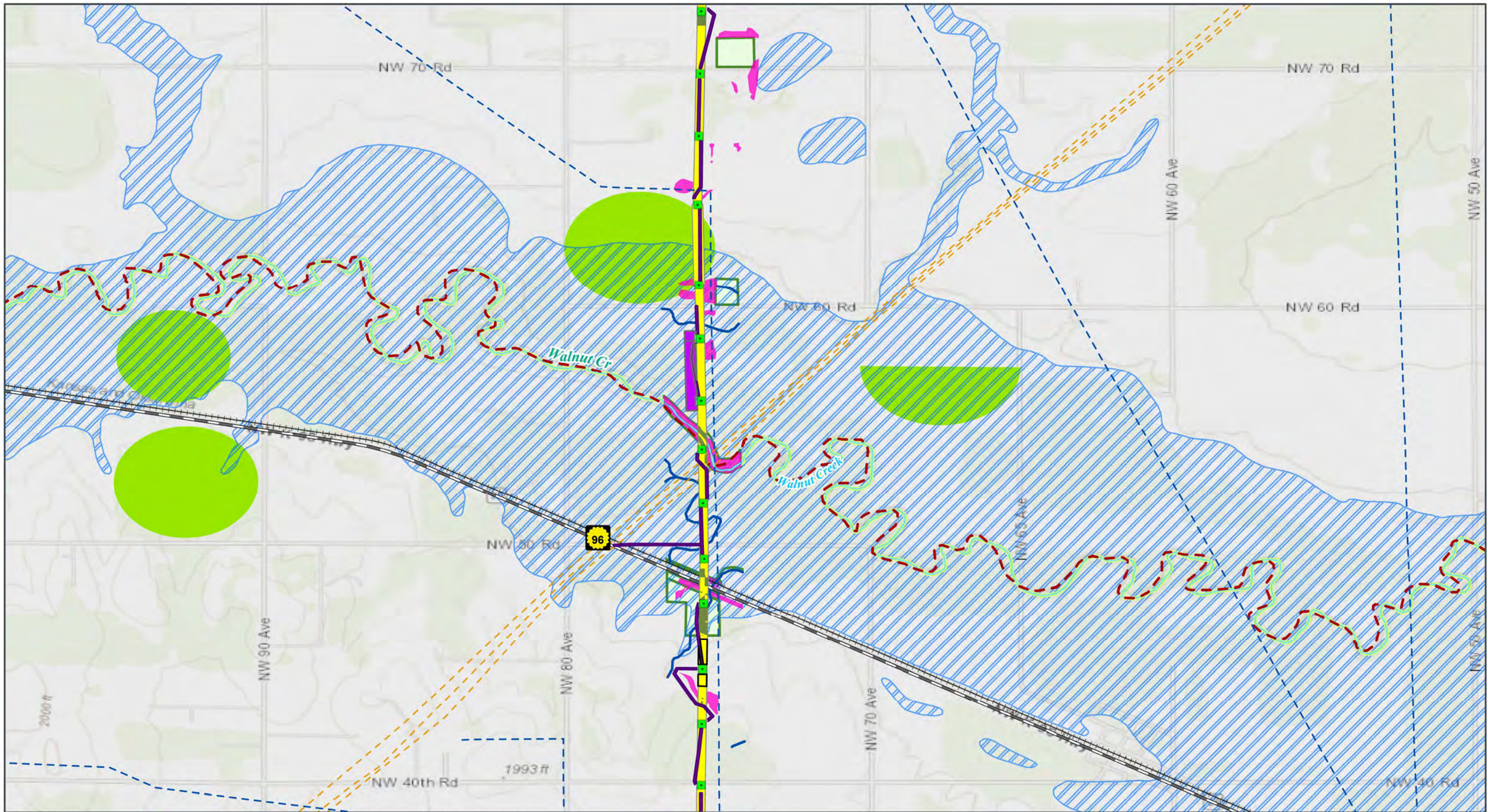


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



Base Map: Esri ArcGIS Online, accessed January 2025  
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NOTE: In some instances, center pivots appear as ovals due to map projection.



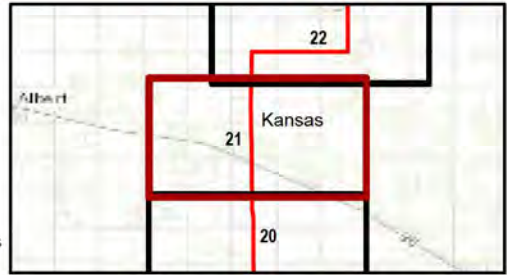
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Center Pivot Irrigation Area
  - 100-year FEMA Floodplain
- Sensitive Biological Resources**
- Eastern Spotted Skunk Critical Habitat
- Transportation**
- State Highway
  - + + + Railroad

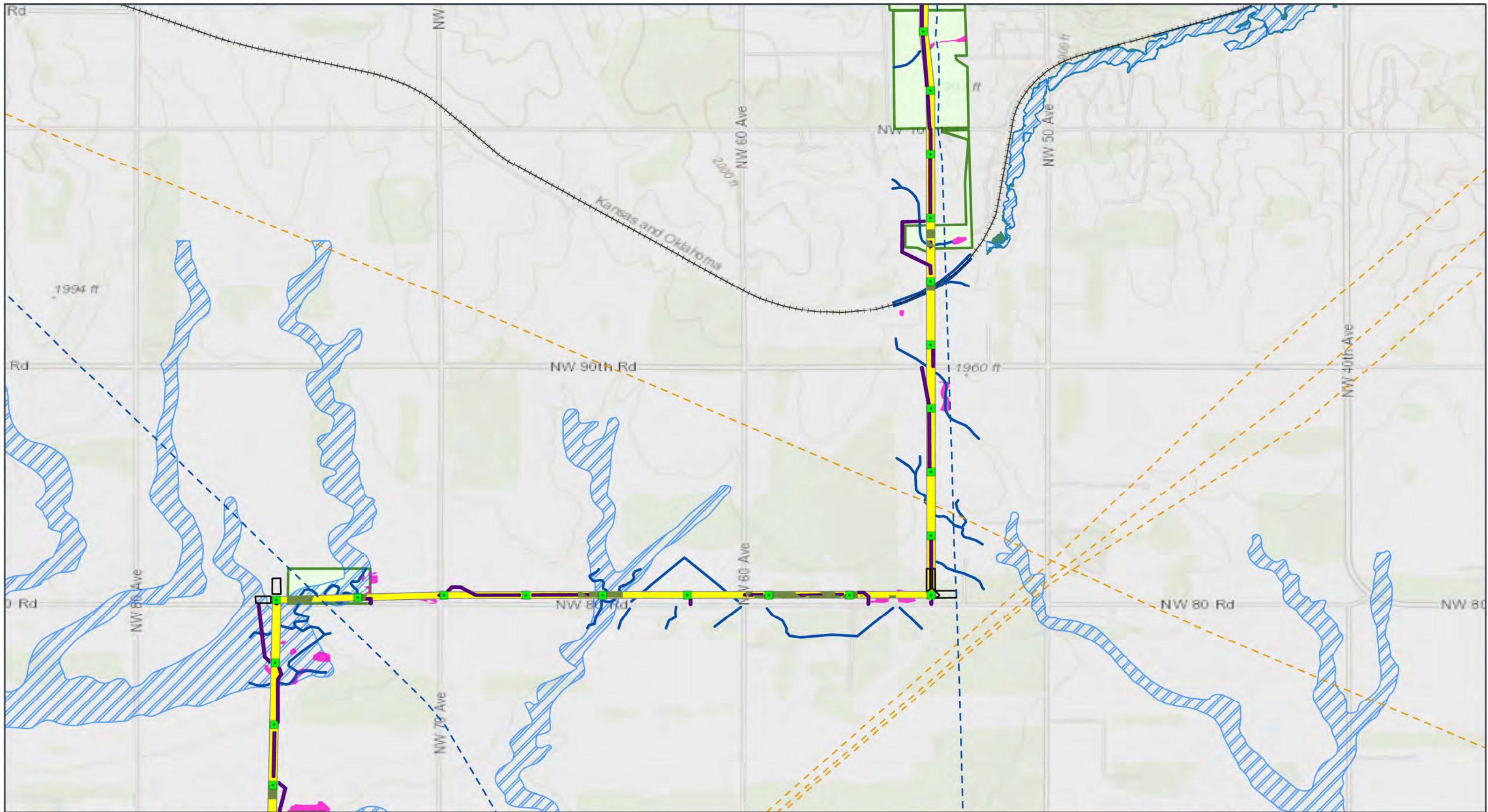


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
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NOTE: In some instances, center pivots appear as ovals due to map projection.

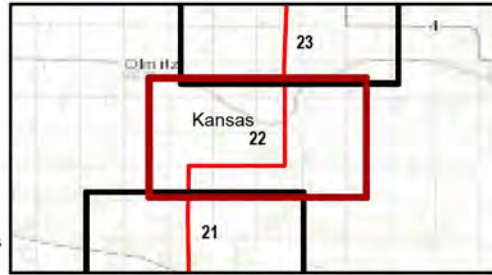


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | Existing Pipeline                | Delineated Wetland                     |
| Habitat Conversion                   | County Boundary                  | 100-year FEMA Floodplain               |
| Pull Site/Tension Site               | State Boundary                   | 500-year FEMA Floodplain               |
| ROW                                  | <b>Surface Management Agency</b> | <b>Sensitive Biological Resources</b>  |
| Transmission Lines (115kV or Higher) | Private or Unknown               | Eastern Spotted Skunk Critical Habitat |
|                                      | <b>Hydrology</b>                 | Railroad                               |
|                                      | Delineated Stream                |  |

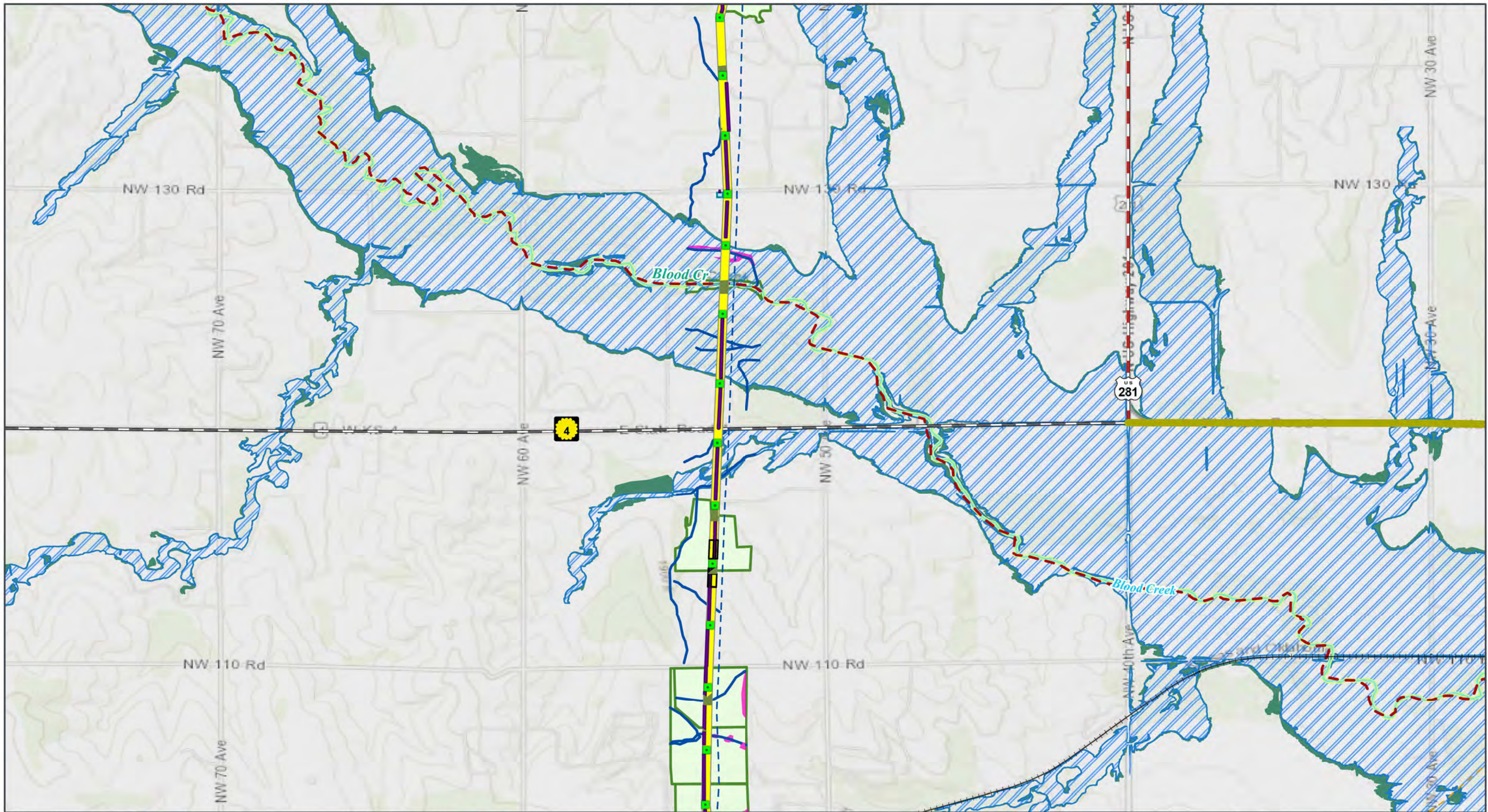
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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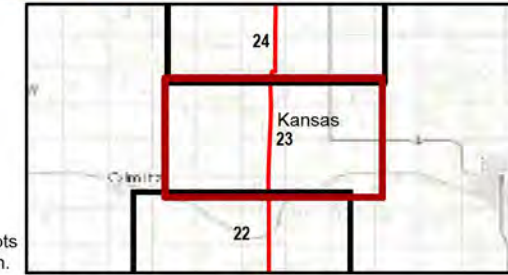
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Layout: DEIS Mapbook\_24k  
App: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                        |                                      |                            |  |
|------------------------|--------------------------------------|----------------------------|--|
| Transmission Structure | Transmission Lines (115kV or Higher) | Delineated Wetland         | <b>Sensitive Biological Resources</b>  |
| Habitat Conversion     | Existing Pipeline                    | Delineated Waterbody       | Eastern Spotted Skunk Critical Habitat |
| Access Road            | County Boundary                      | NHD Stream/River           | <b>Cultural and Scenic Resources</b>   |
| Optical Regeneration   | State Boundary                       | Impaired Waterway (303d)   | Scenic Byway                           |
| OPGW Access            | Surface Management Agency            | KDHE Special Status Stream | <b>Transportation</b>                  |
| Pull Site/Tension Site | Private or Unknown                   | 100-year FEMA Floodplain   | U.S. Highway                           |
| ROW                    | <b>Hydrology</b>                     | 500-year FEMA Floodplain   | State Highway                          |
|                        | Delineated Stream                    |                            | Railroad                               |

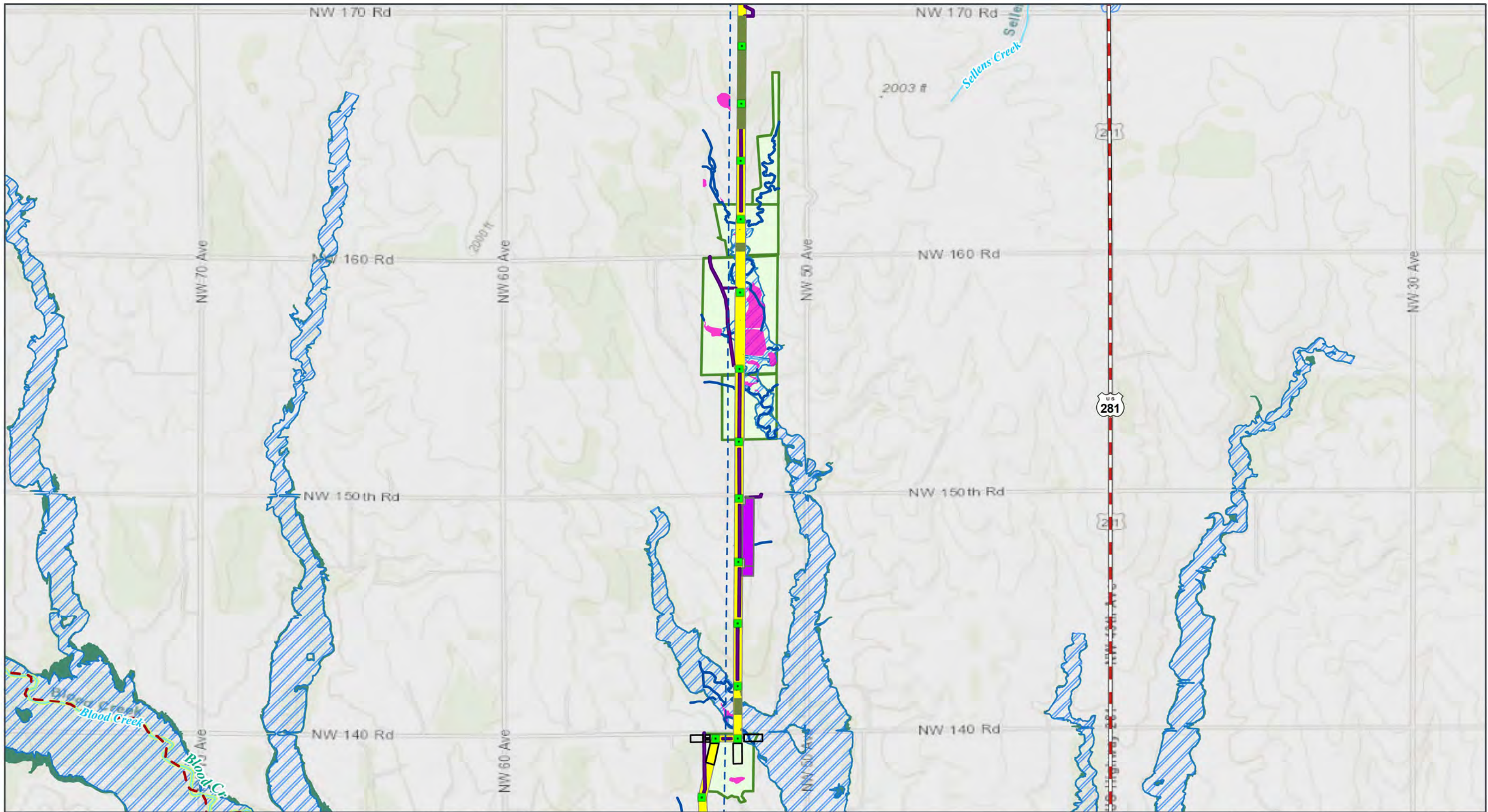


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

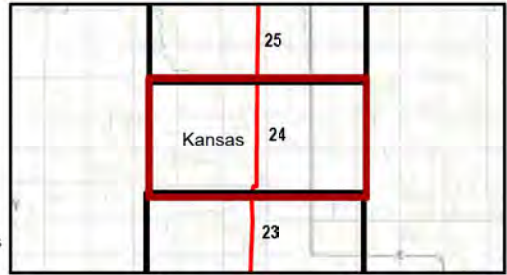
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Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |  |   |   |  |
|--|---|---|--|
| <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Transmission Structure</li> <li><span style="color: purple;">■</span> Habitat Conversion</li> <li><span style="color: magenta;">■</span> Access Road</li> <li><span style="color: yellow;">■</span> Helipad / Fly Yard</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pull Site/Tension Site</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: blue;">---</span> Transmission Lines (115kV or Higher)</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> <li><span style="border: 2px solid black; display: inline-block; width: 10px; height: 10px;"></span> State Boundary</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Surface Management Agency</li> <li><span style="background-color: gray; display: inline-block; width: 10px; height: 10px;"></span> Private or Unknown</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Delineated Stream</li> <li><span style="color: magenta;">—</span> Delineated Wetland</li> <li><span style="color: cyan;">—</span> NHD Stream/River</li> <li><span style="color: red; border-bottom: 1px dashed red;">—</span> Impaired Waterway (303d)</li> <li><span style="color: green;">—</span> KDHE Special Status Stream</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: lightblue; border: 1px solid blue; display: inline-block; width: 10px; height: 10px;"></span> 100-year FEMA Floodplain</li> <li><span style="background-color: lightgreen; border: 1px solid green; display: inline-block; width: 10px; height: 10px;"></span> 500-year FEMA Floodplain</li> </ul> <p><b>Sensitive Biological Resources</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; display: inline-block; width: 10px; height: 10px;"></span> Eastern Spotted Skunk Critical Habitat</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px dashed red; width: 10px; display: inline-block;"></span> U.S. Highway</li> </ul> |
|--|---|---|--|



NOTE: In some instances, center pivots appear as ovals due to map projection.

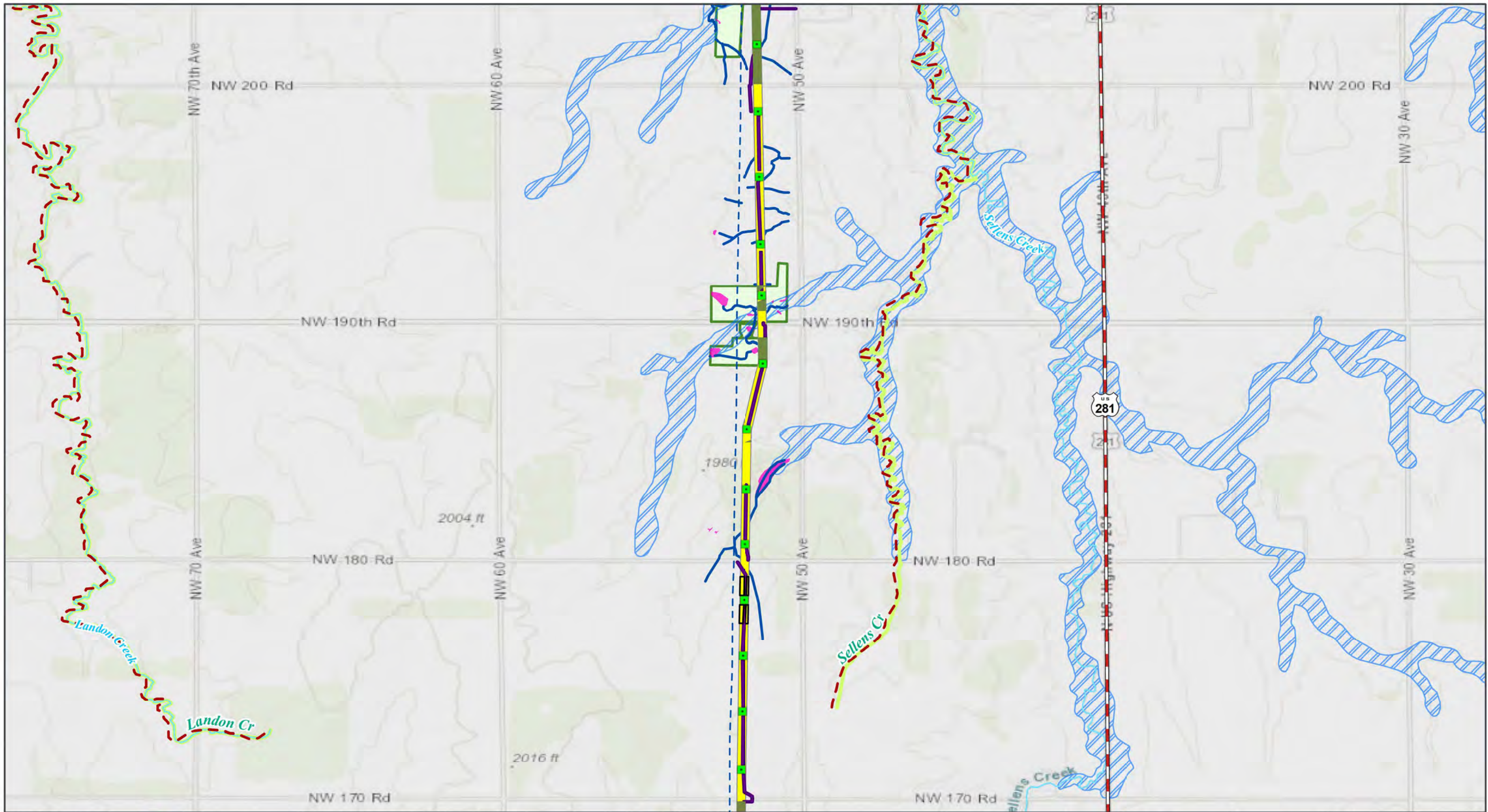
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

0 900 1,800 Feet  
0 250 500 Meters

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
App: DEIS\_MapBook\_24k





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 25 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW

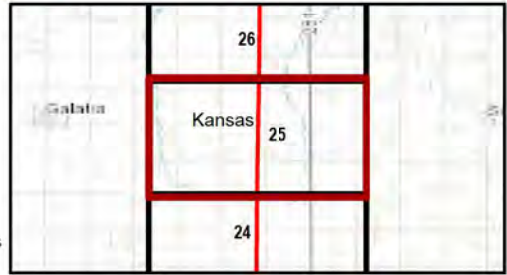
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Sensitive Biological Resources**
- 100-year FEMA Floodplain
  - Eastern Spotted Skunk Critical Habitat
- Transportation**
- U.S. Highway



NOTE: In some instances, center pivots appear as ovals due to map projection.

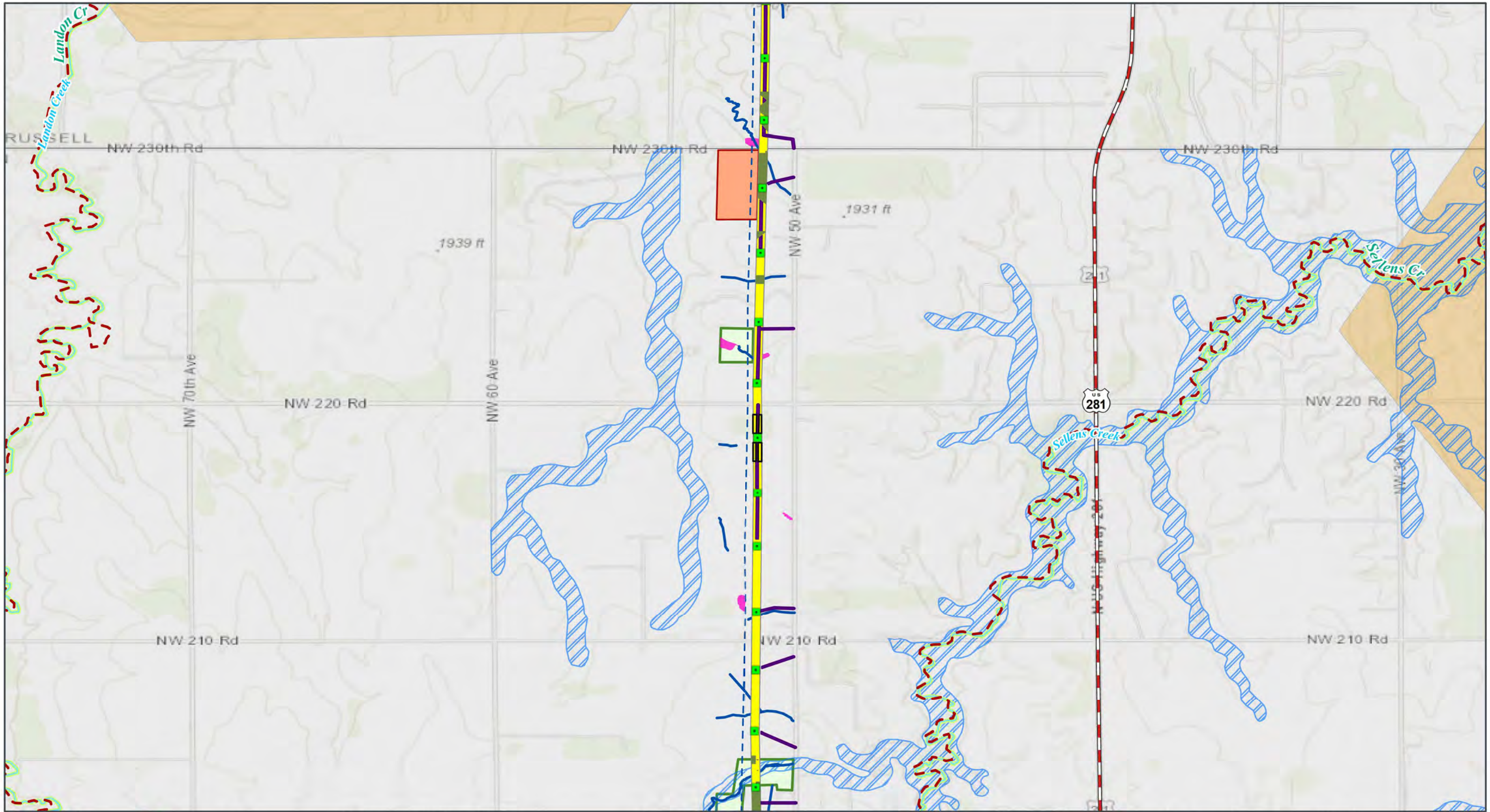


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000  
0 900 1,800 Feet  
0 250 500 Meters

Kansas and Missouri

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
App: DEIS\_MapBook\_24k



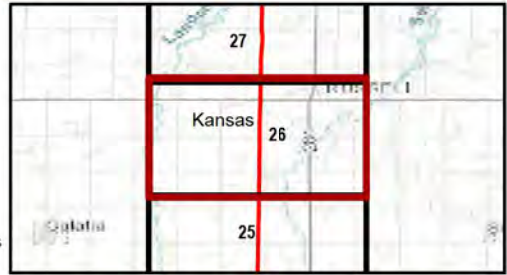
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 26 of 127

- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream
  - 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area
  - Eastern Spotted Skunk Critical Habitat
- Transportation**
- U.S. Highway



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

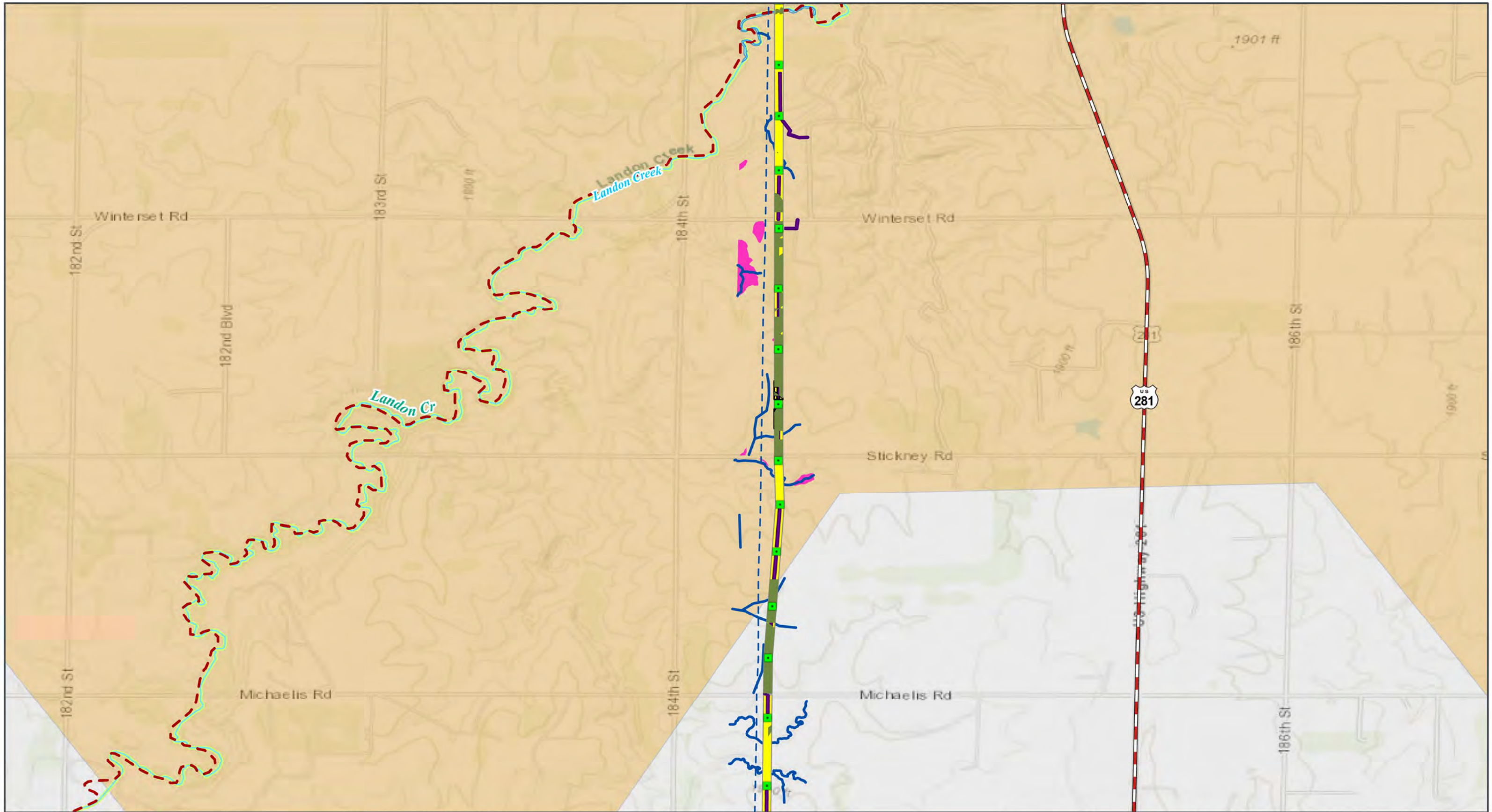


Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

1:24,000

0 900 1,800 Feet  
0 250 500 Meters

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 27 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW

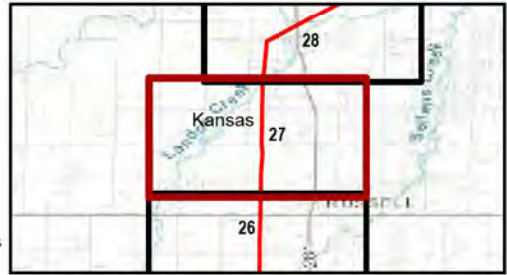
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)

- KDHE Special Status Stream
- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area
- Transportation**
- U.S. Highway



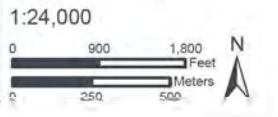
NOTE: In some instances, center pivots appear as ovals due to map projection.

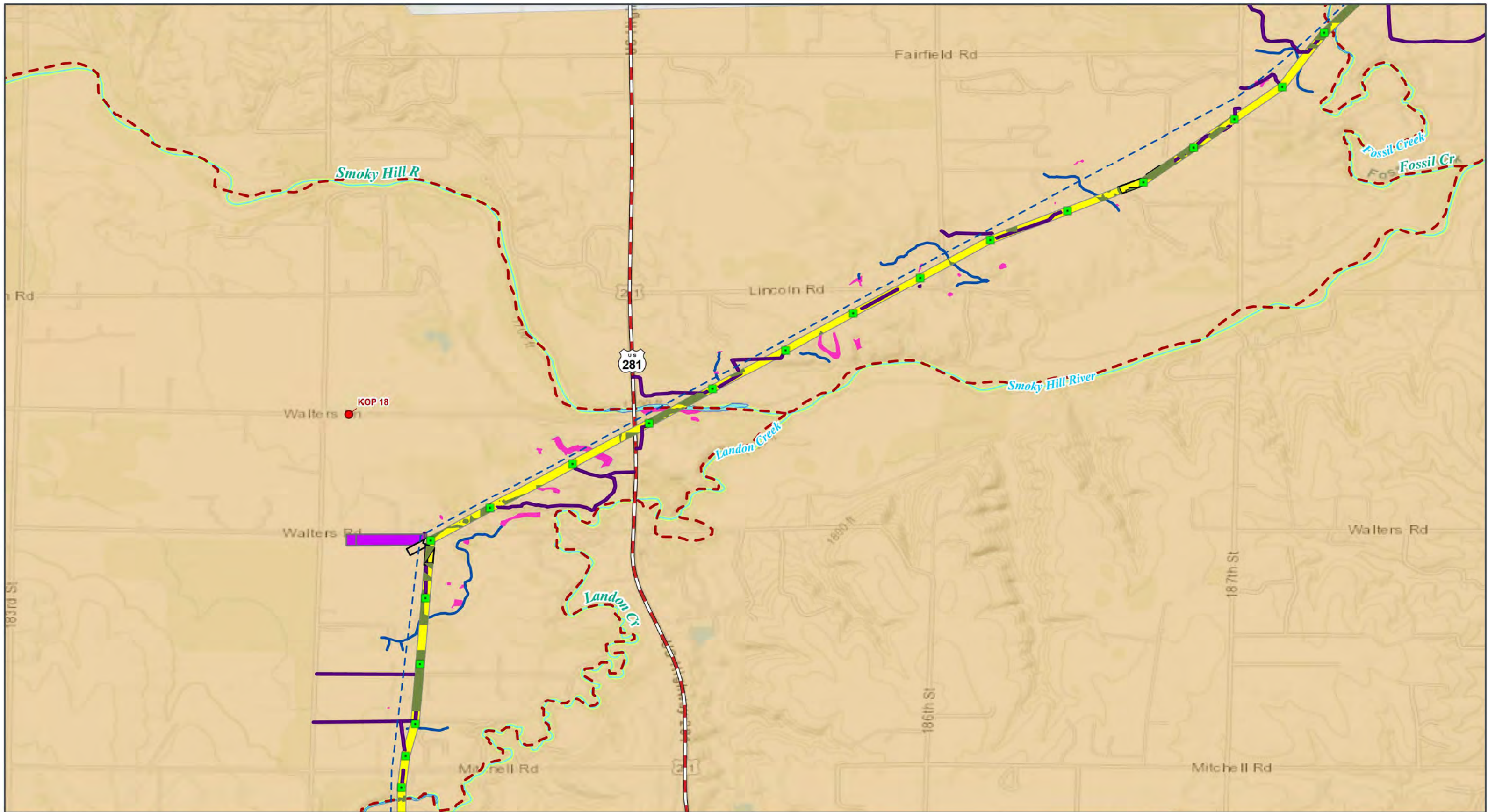


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k





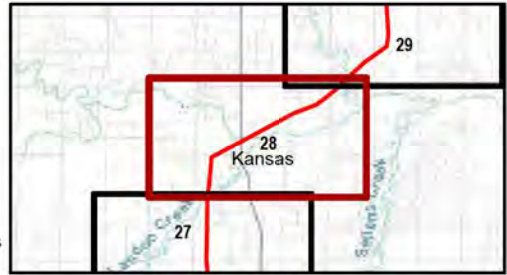
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 28 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area
- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
- Transportation**
- U.S. Highway

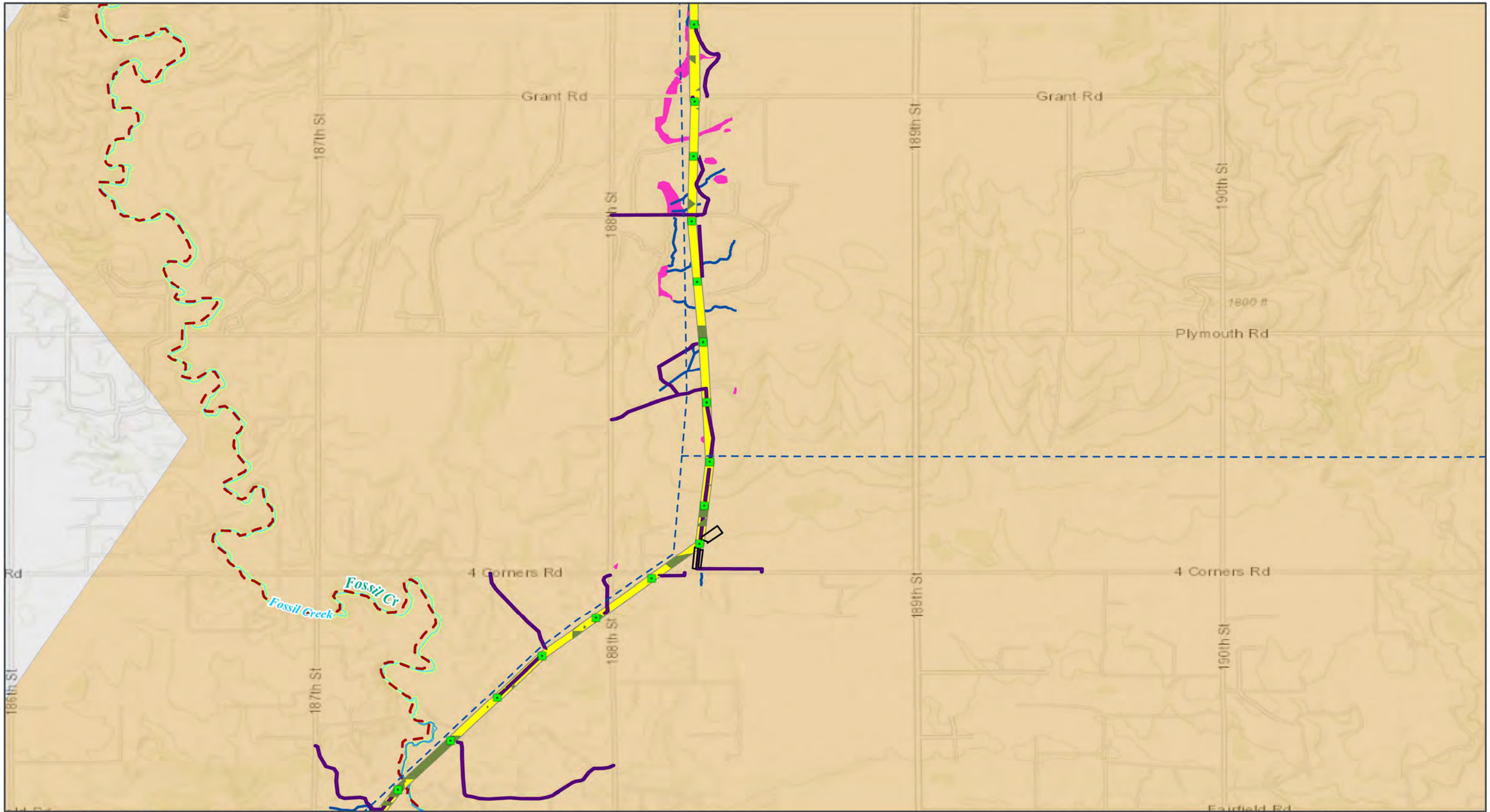


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

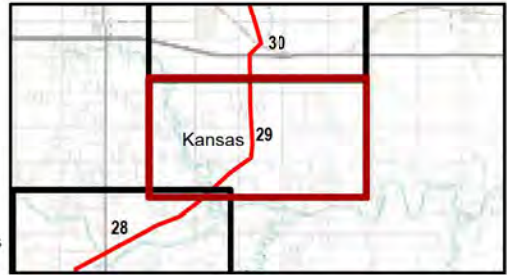
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 29 of 127



- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | County Boundary                  | Delineated Waterbody                     |
| Habitat Conversion                   | State Boundary                   | NHD Stream/River                         |
| Access Road                          | <b>Surface Management Agency</b> | Impaired Waterway (303d)                 |
| Pull Site/Tension Site               | Private or Unknown               | KDHE Special Status Stream               |
| ROW                                  | <b>Hydrology</b>                 | Sensitive Biological Resources           |
| Transmission Lines (115kV or Higher) | Delineated Stream                | Kansas Terrestrial Ecological Focus Area |
|                                      | Delineated Wetland               |  |

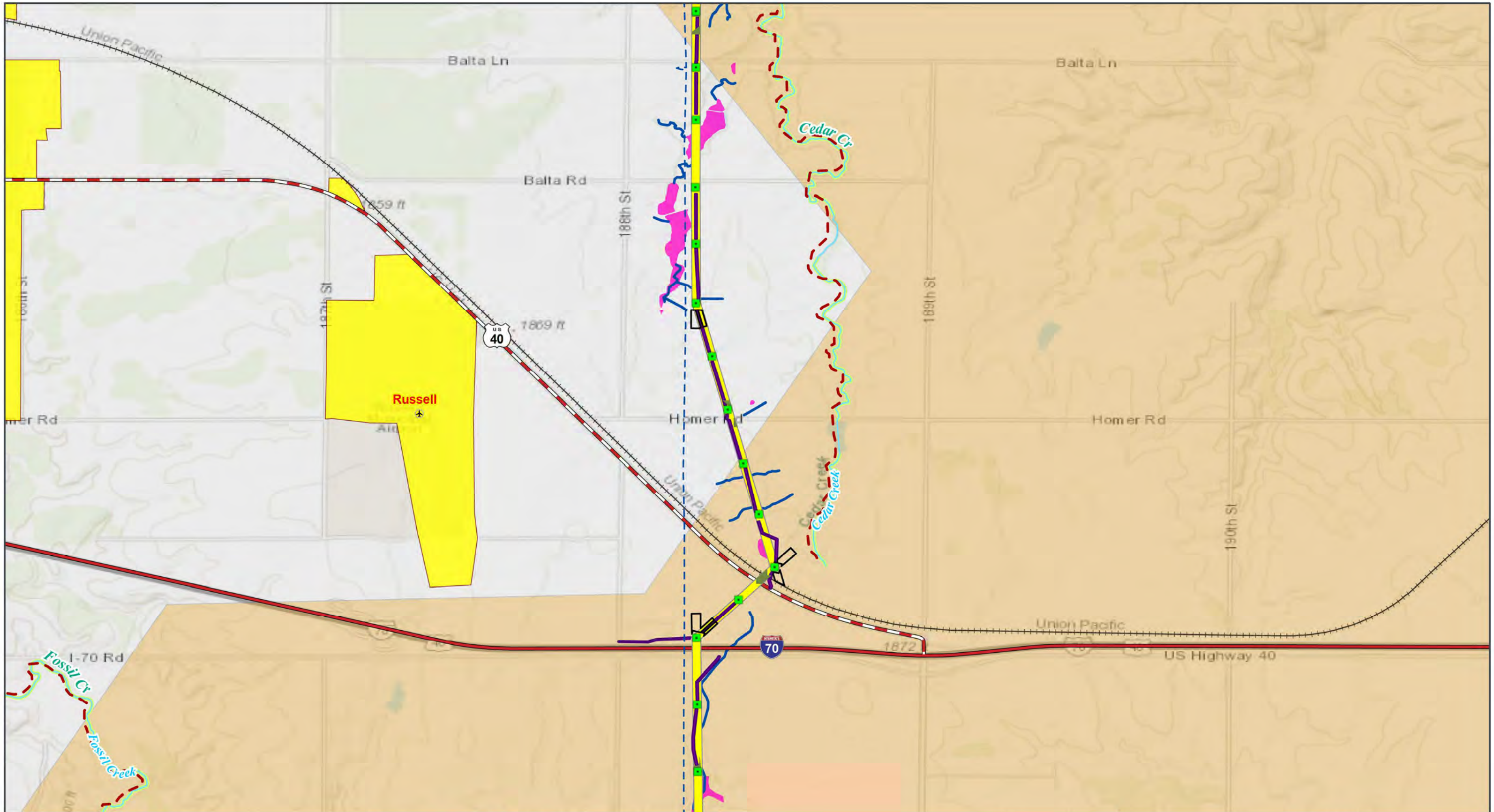


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 30 of 127

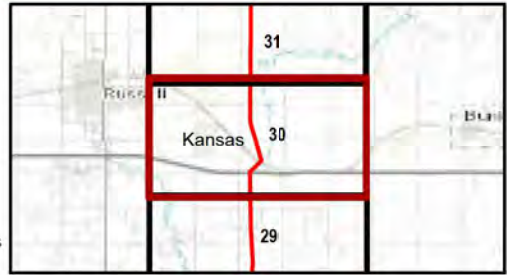


- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream

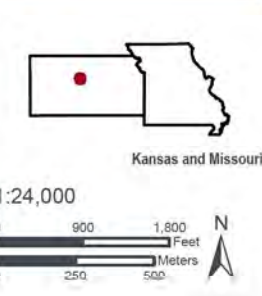
- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Sensitive Biological Resources
- Kansas Terrestrial Ecological Focus Area

- Transportation**
- Interstate Highway
- U.S. Highway
- Airport/Heliport
- Railroad

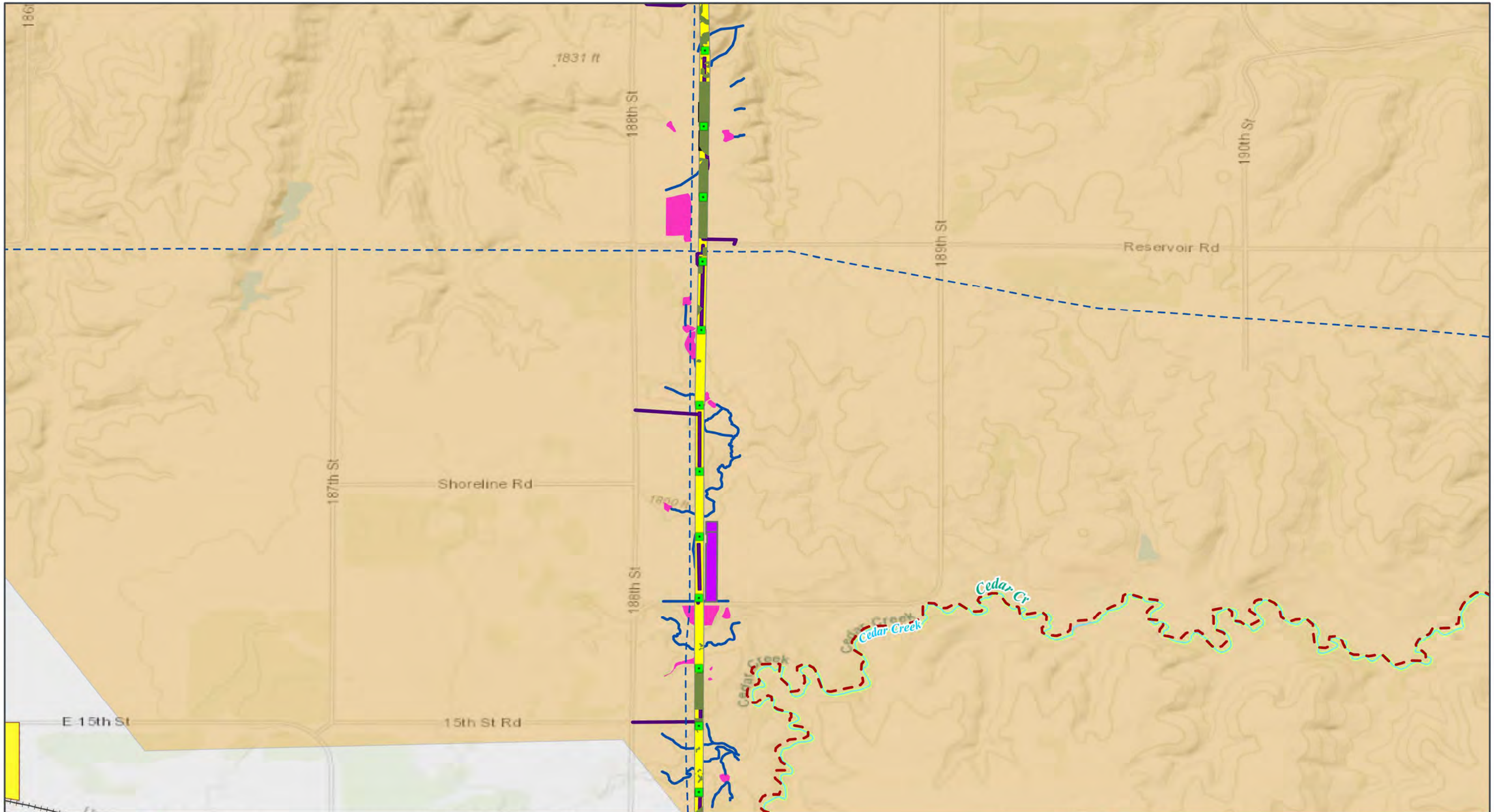


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



NOTE: In some instances, center pivots appear as ovals due to map projection.

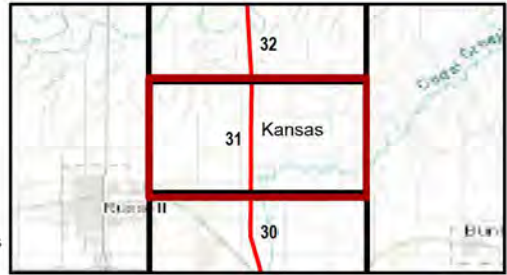


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 31 of 127



- |   |   |  |  |
|---|---|--|--|
| <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Transmission Structure</li> <li><span style="color: purple;">■</span> Habitat Conversion</li> <li><span style="color: purple;">■</span> Access Road</li> <li><span style="color: purple;">■</span> Helipad / Fly Yard</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pull Site/Tension Site</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: blue;">---</span> Transmission Lines (115kV or Higher)</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> <li><span style="border: 2px solid black; display: inline-block; width: 10px; height: 10px;"></span> State Boundary</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Municipal Boundary Near the Project</li> </ul> | <p><b>Surface Management Agency</b></p> <ul style="list-style-type: none"> <li><span style="background-color: lightgrey; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Private or Unknown</li> </ul> <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Delineated Stream</li> <li><span style="color: pink;">—</span> Delineated Wetland</li> <li><span style="color: cyan;">—</span> NHD Stream/River</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: red; border-bottom: 2px dashed red; width: 10px; display: inline-block;"></span> Impaired Waterway (303d)</li> <li><span style="color: green; border-bottom: 2px dashed green; width: 10px; display: inline-block;"></span> KDHE Special Status Stream</li> </ul> <p><b>Sensitive Biological Resources</b></p> <ul style="list-style-type: none"> <li><span style="background-color: orange; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Kansas Terrestrial Ecological Focus Area</li> <li><span style="color: black; border-bottom: 1px dashed black; width: 10px; display: inline-block;"></span> Railroad</li> </ul> |
|---|---|--|--|

NOTE: In some instances, center pivots appear as ovals due to map projection.

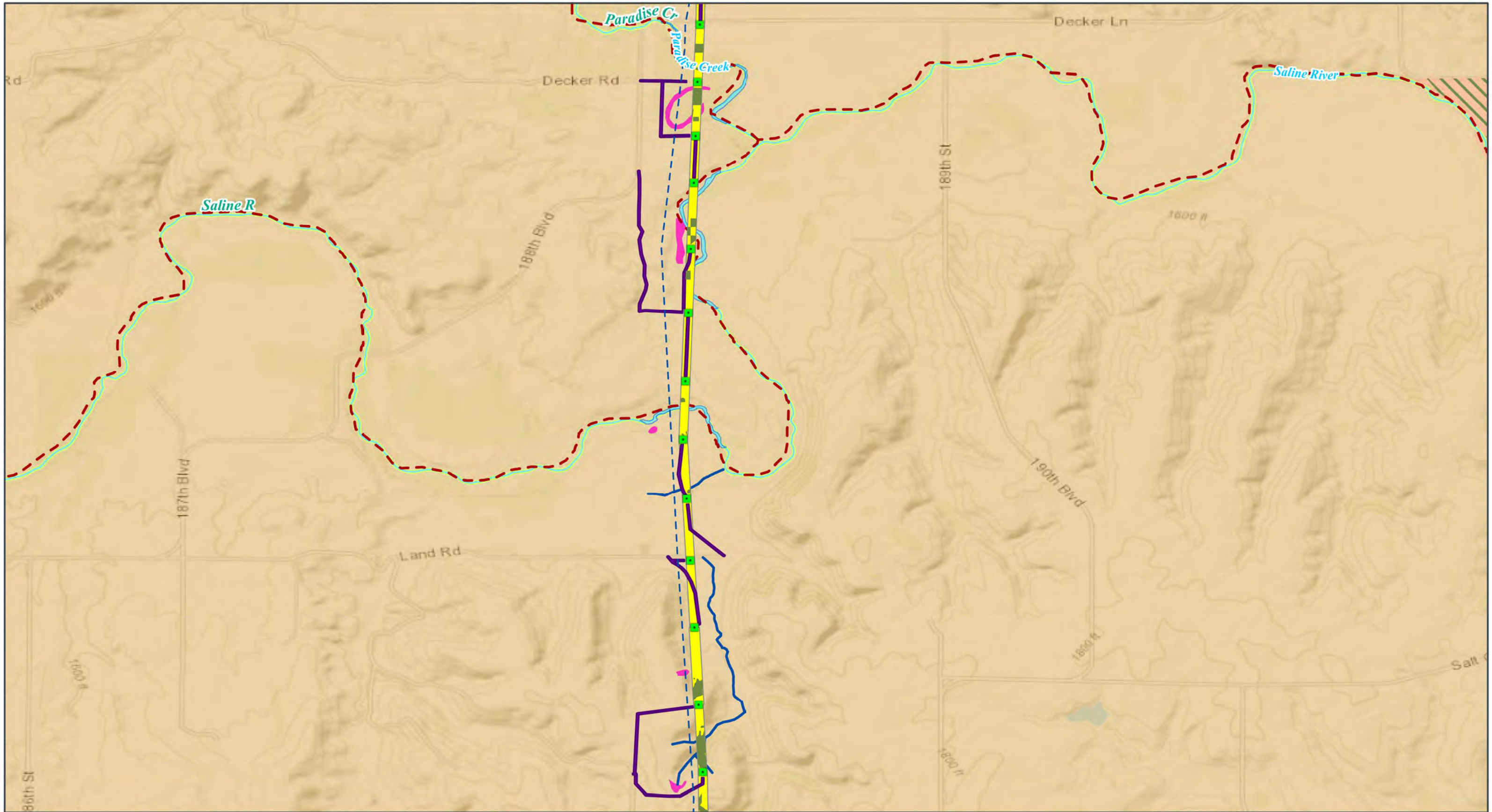


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

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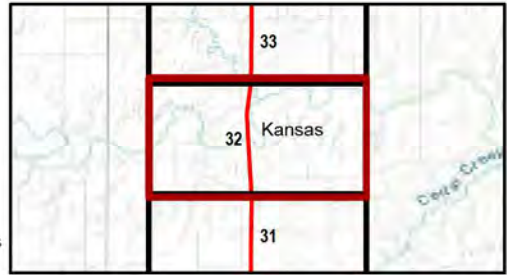
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Feet  
Meters



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 32 of 127



- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | State Boundary                   | Delineated Waterbody                     |
| Habitat Conversion                   | <b>Surface Management Agency</b> | NHD Stream/River                         |
| Access Road                          | Department Of Defense (DOD)      | Impaired Waterway (303d)                 |
| ROW                                  | Private or Unknown               | KDHE Special Status Stream               |
| Transmission Lines (115kV or Higher) | <b>Hydrology</b>                 | Kansas Terrestrial Ecological Focus Area |
| County Boundary                      | Delineated Stream                | KS State Wildlife Area                   |
|                                      | Delineated Wetland               |  |



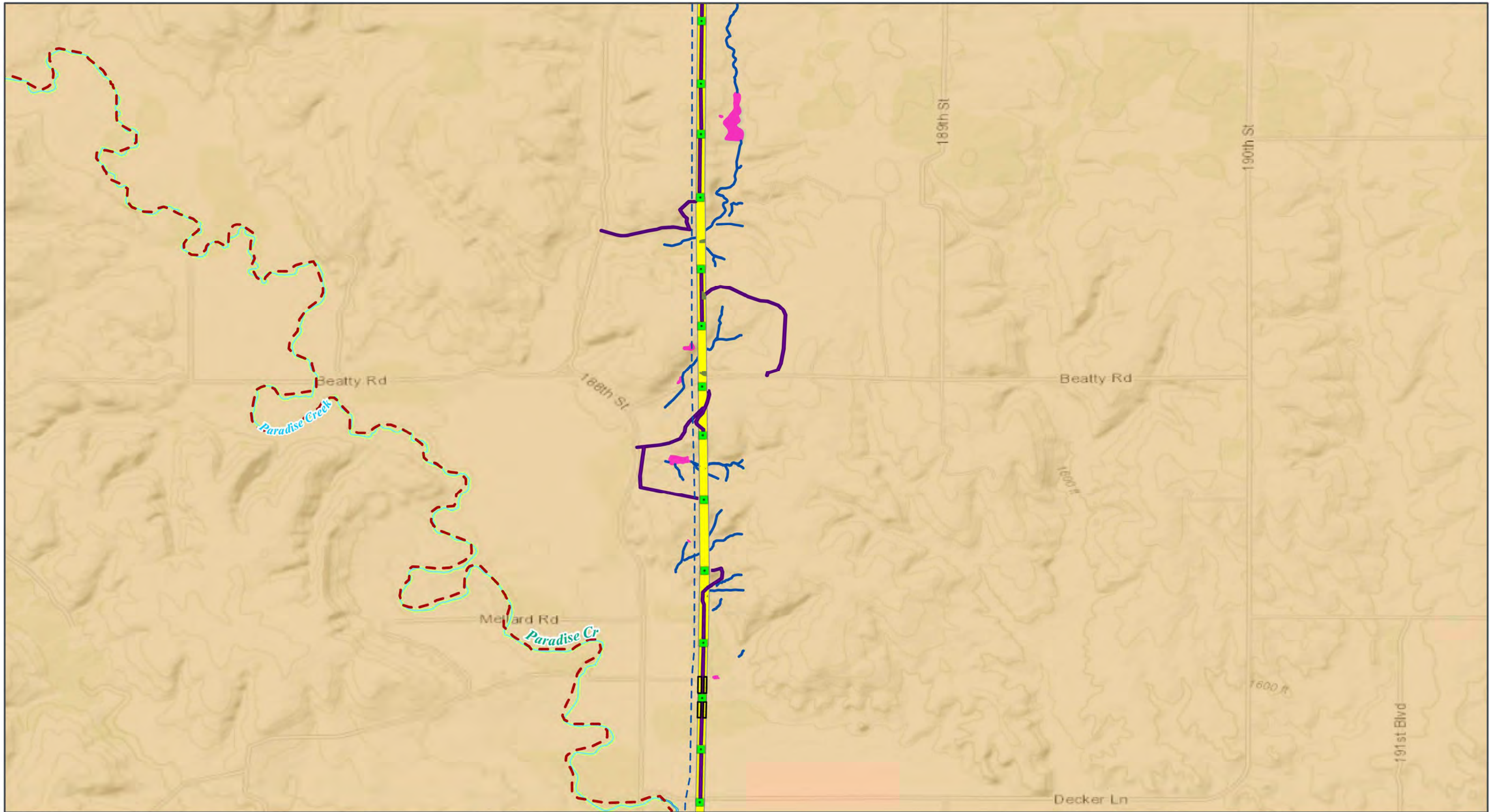
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.

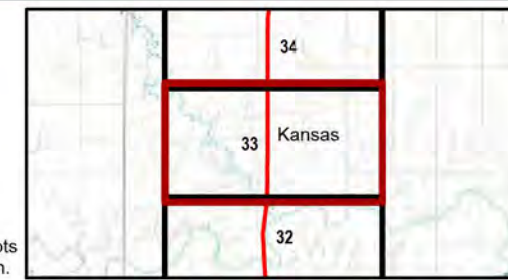




GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 33 of 127

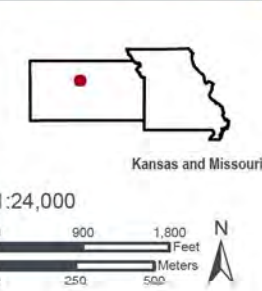


- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | County Boundary                  | Delineated Waterbody                     |
| Habitat Conversion                   | State Boundary                   | NHD Stream/River                         |
| Access Road                          | <b>Surface Management Agency</b> | Impaired Waterway (303d)                 |
| Pull Site/Tension Site               | Private or Unknown               | KDHE Special Status Stream               |
| ROW                                  | <b>Hydrology</b>                 | Kansas Terrestrial Ecological Focus Area |
| Transmission Lines (115kV or Higher) | Delineated Stream                |  |
|                                      | Delineated Wetland               |  |

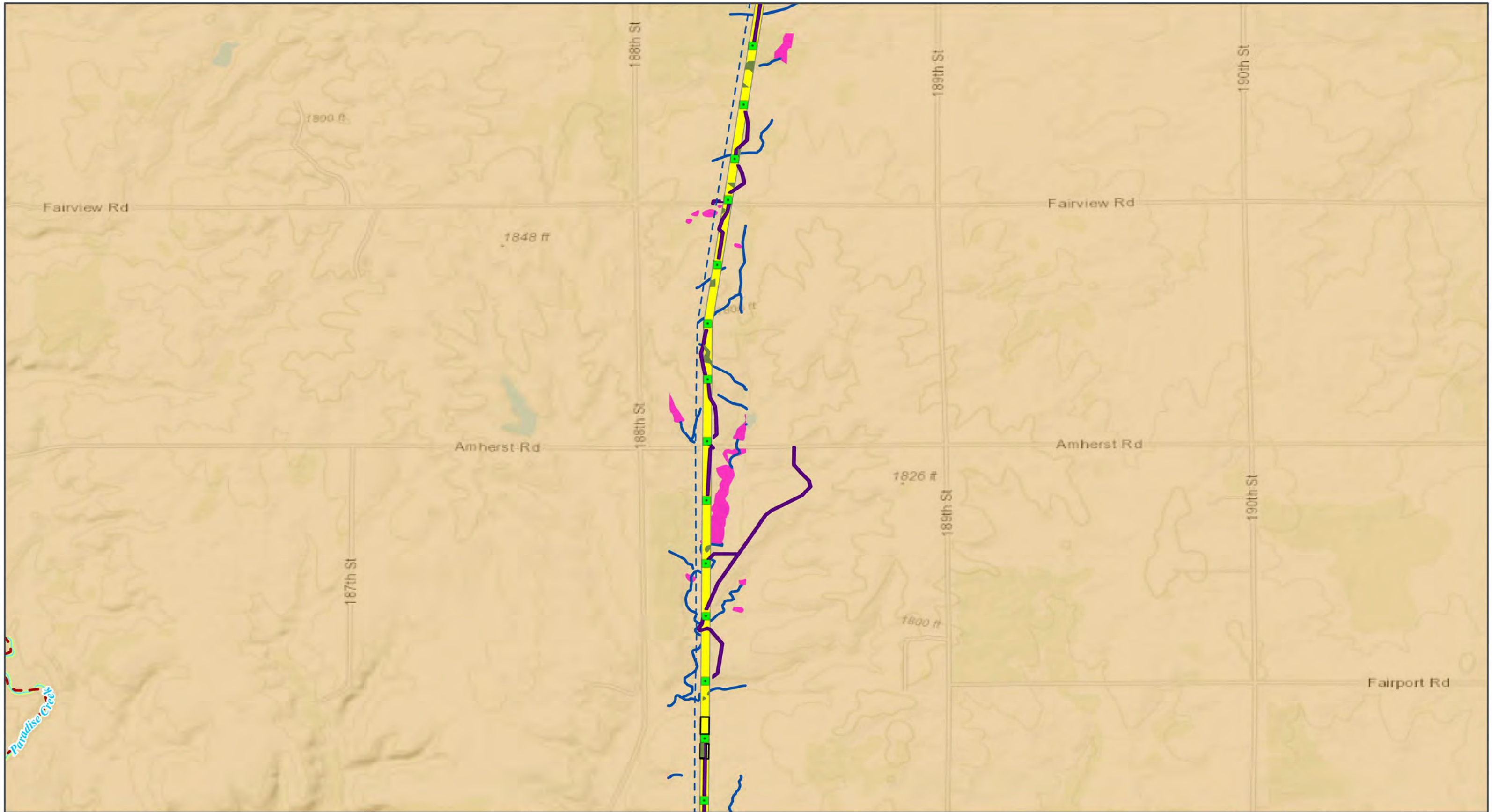


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



NOTE: In some instances, center pivots appear as ovals due to map projection.



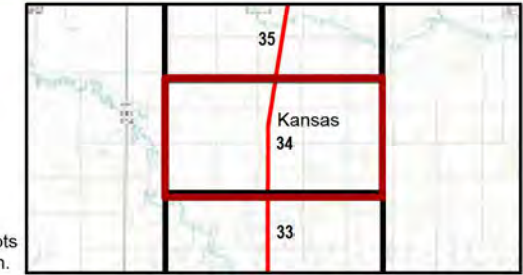
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 34 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland

- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area

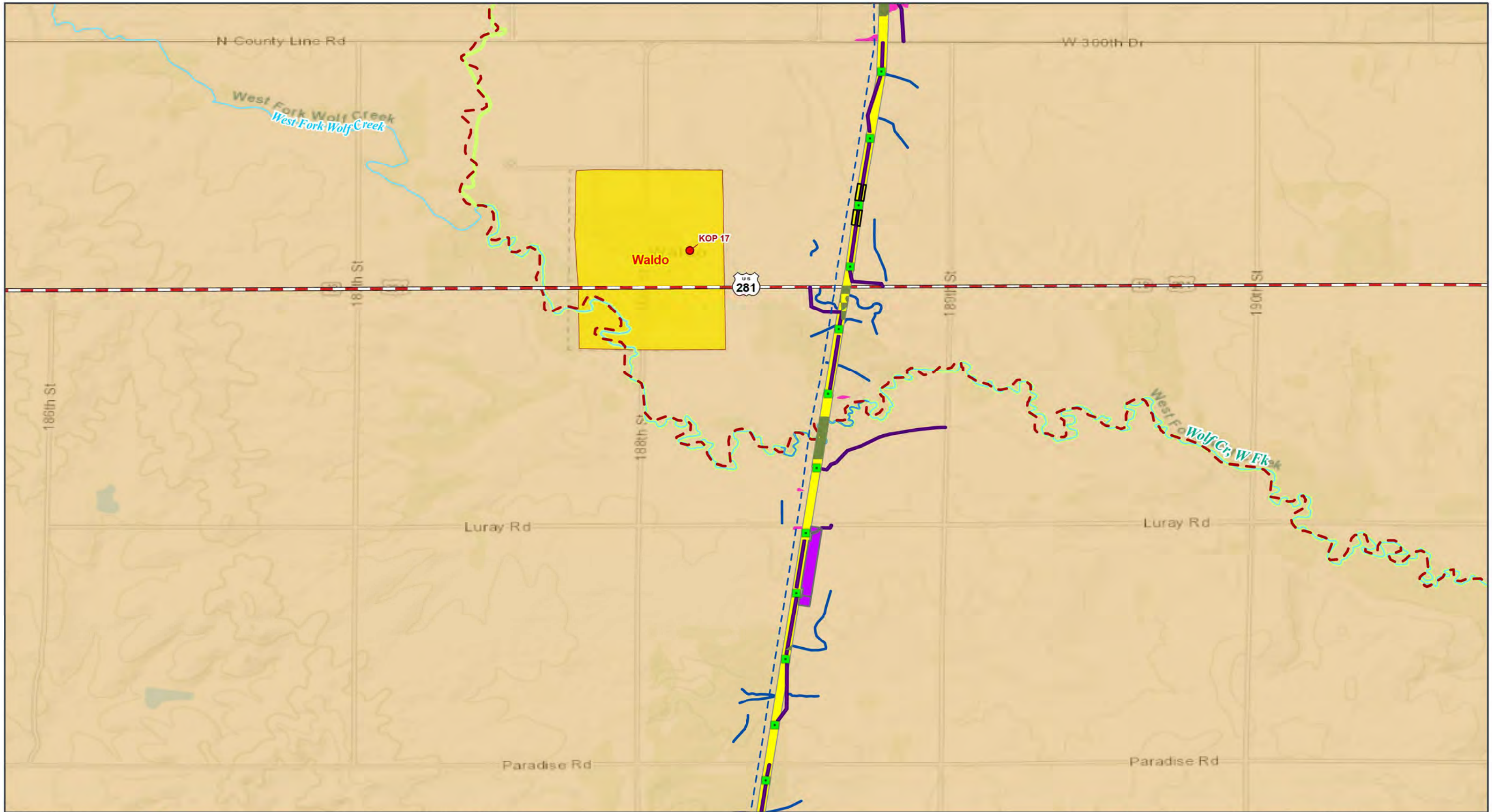


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 35 of 127

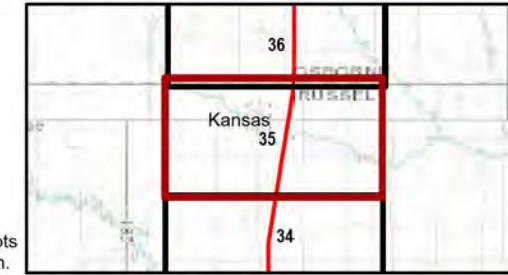


- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency  
Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area
- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
- Transportation**
- U.S. Highway



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

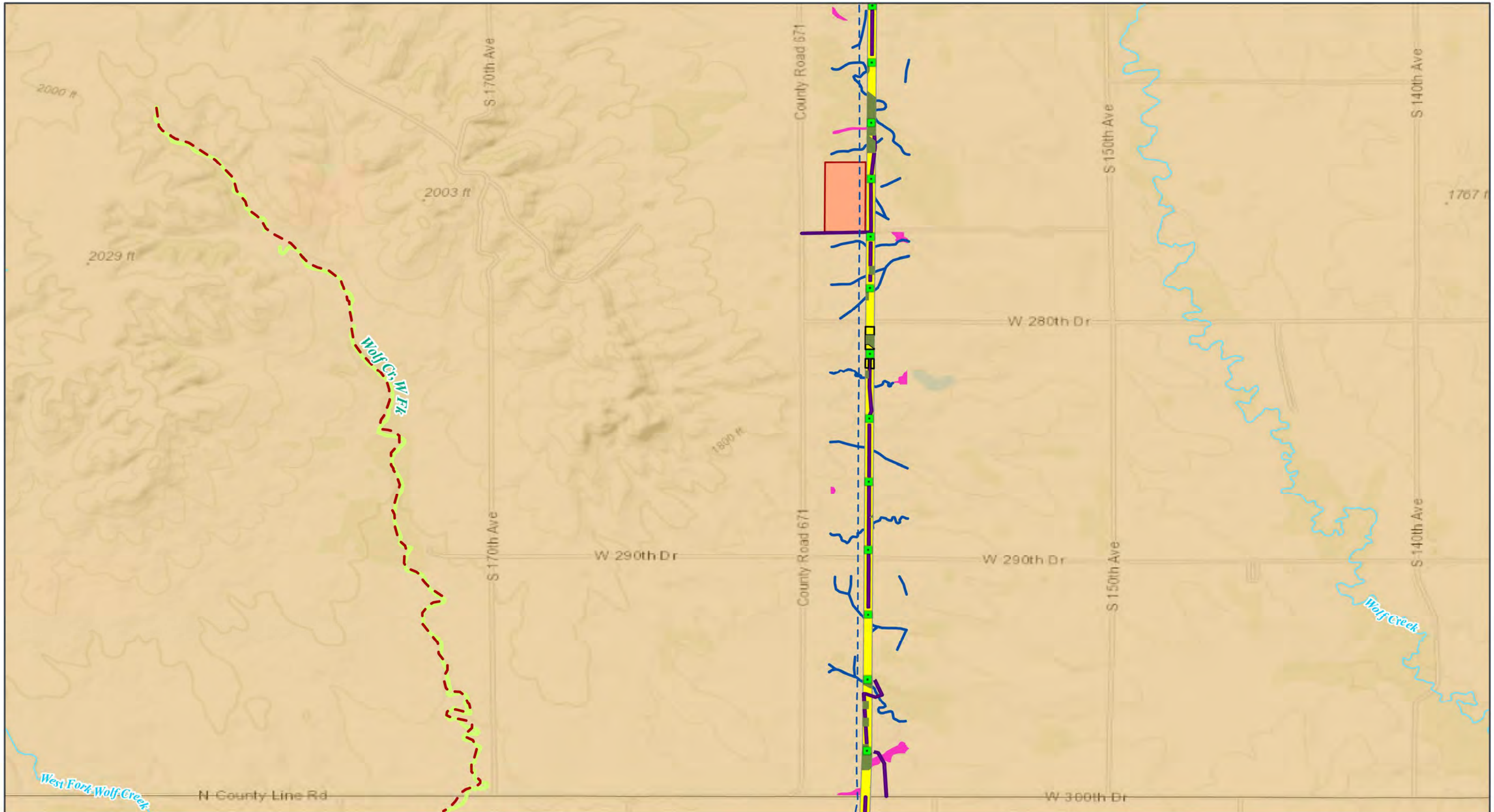


Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

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0 900 1,800 Feet  
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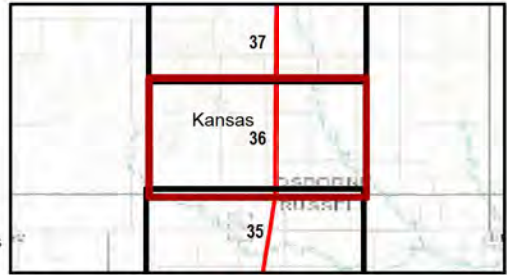
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 36 of 127



- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area

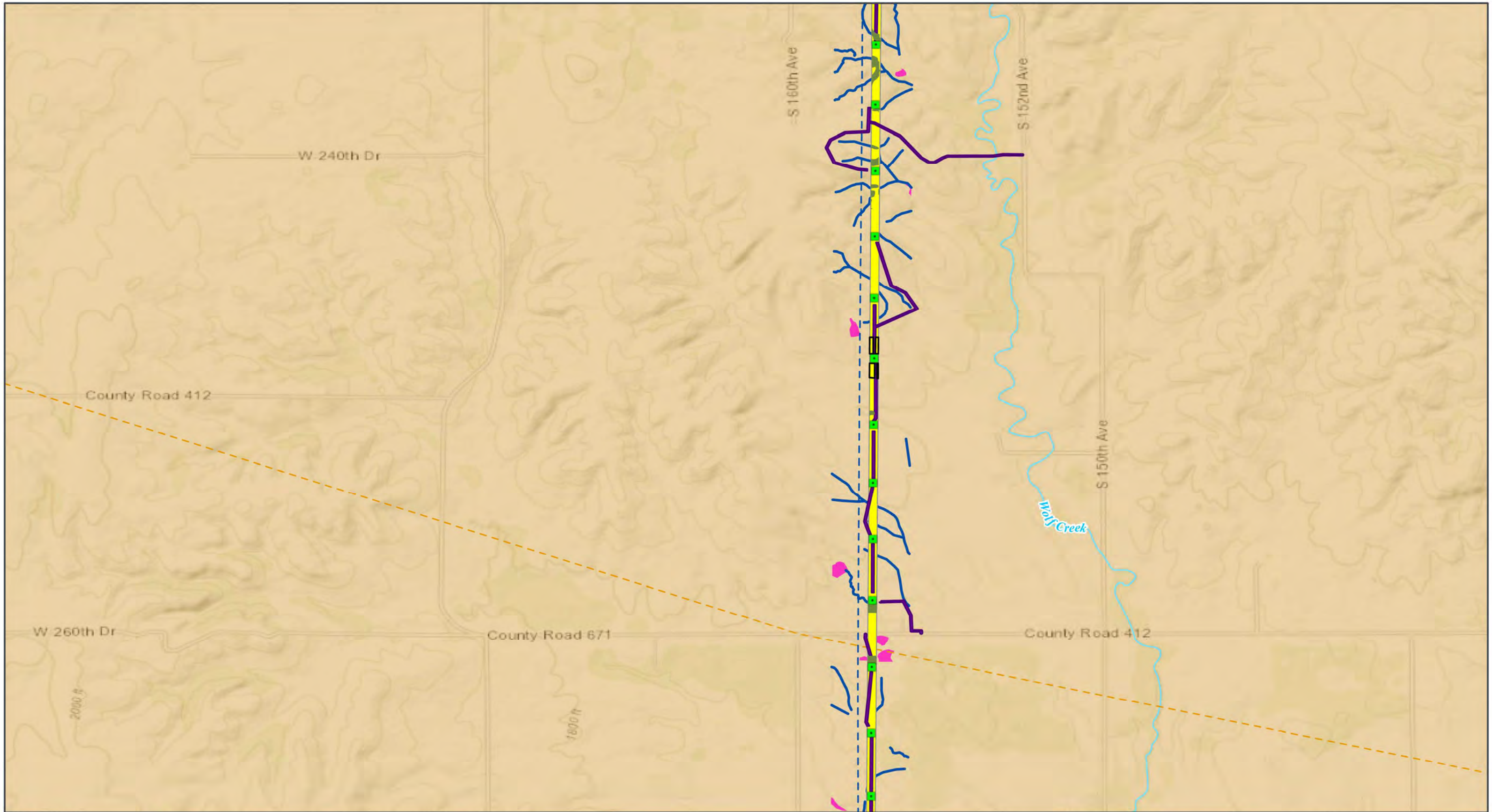


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

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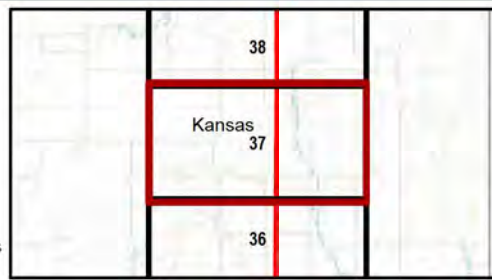
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 37 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency  
Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area

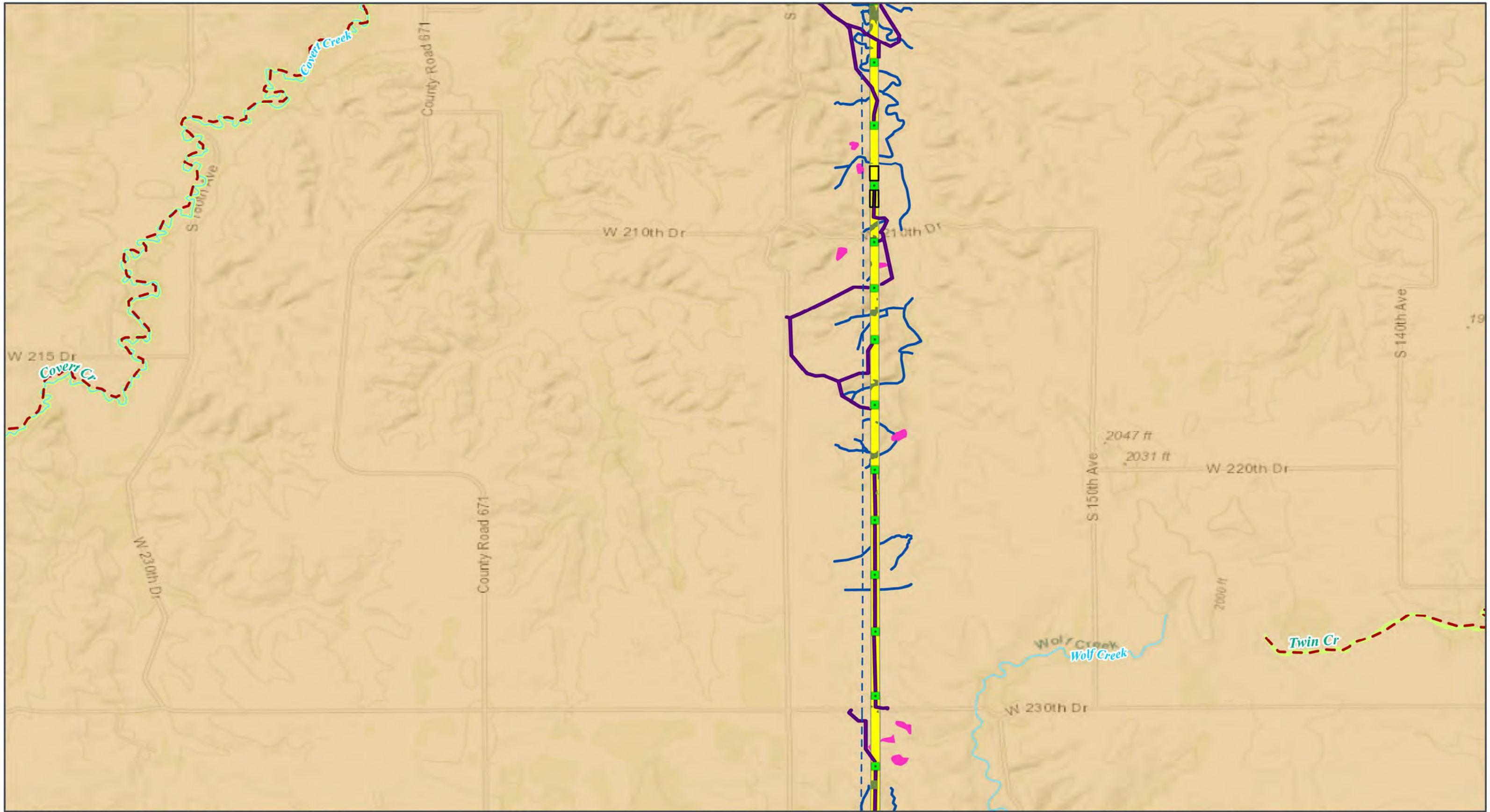
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

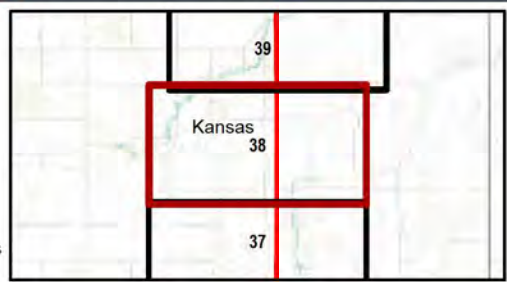


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 38 of 127



- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | County Boundary                  | NHD Stream/River                         |
| Habitat Conversion                   | State Boundary                   | Impaired Waterway (303d)                 |
| Access Road                          | <b>Surface Management Agency</b> | KDHE Special Status Stream               |
| Pull Site/Tension Site               | Private or Unknown               | <b>Sensitive Biological Resources</b>    |
| ROW                                  | <b>Hydrology</b>                 | Kansas Terrestrial Ecological Focus Area |
| Transmission Lines (115kV or Higher) | Delineated Stream                |  |
|                                      | Delineated Wetland               |  |

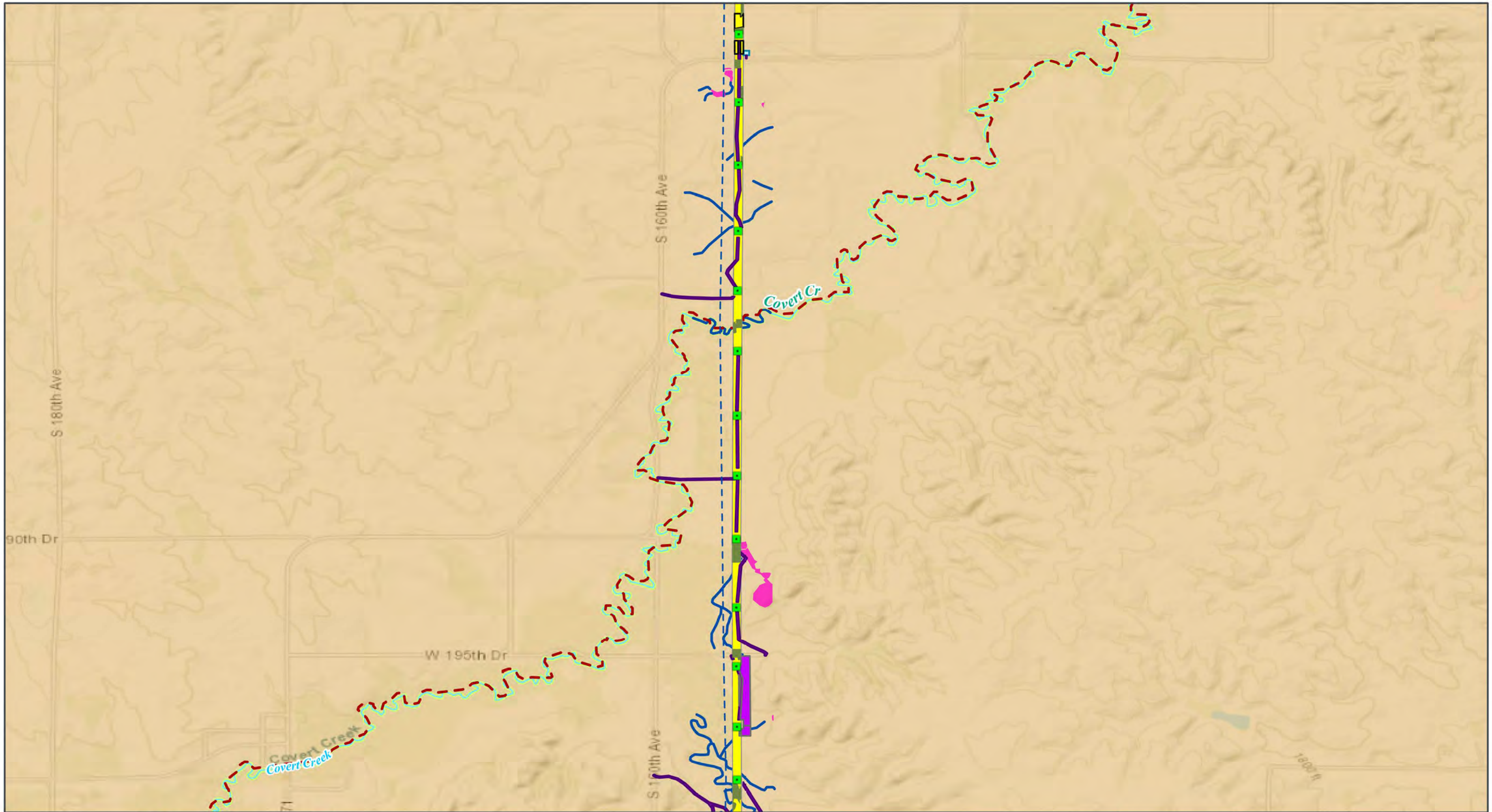
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

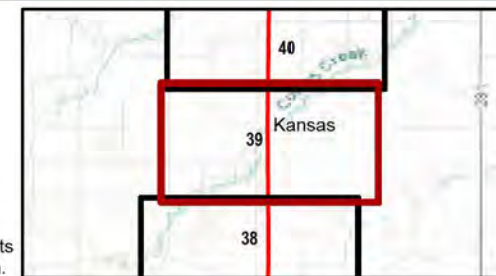
Base Map: Esri ArcGIS Online, accessed January 2025  
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Project No. 60694559  
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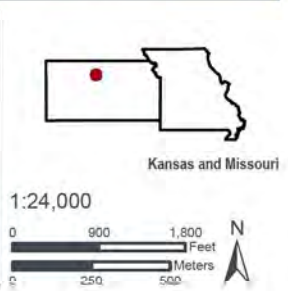
- |                        |                                      |                                  |  |
|------------------------|--------------------------------------|----------------------------------|--|
| Transmission Structure | OPGW Access                          | State Boundary                   | NHD Stream/River                         |
| Habitat Conversion     | Pull Site/Tension Site               | <b>Surface Management Agency</b> | Impaired Waterway (303d)                 |
| Access Road            | ROW                                  | Private or Unknown               | KDHE Special Status Stream               |
| Helipad / Fly Yard     | Transmission Lines (115kV or Higher) | <b>Hydrology</b>                 | Sensitive Biological Resources           |
| Optical Regeneration   | County Boundary                      | Delineated Stream                | Kansas Terrestrial Ecological Focus Area |
|                        |                                      | Delineated Wetland               |  |

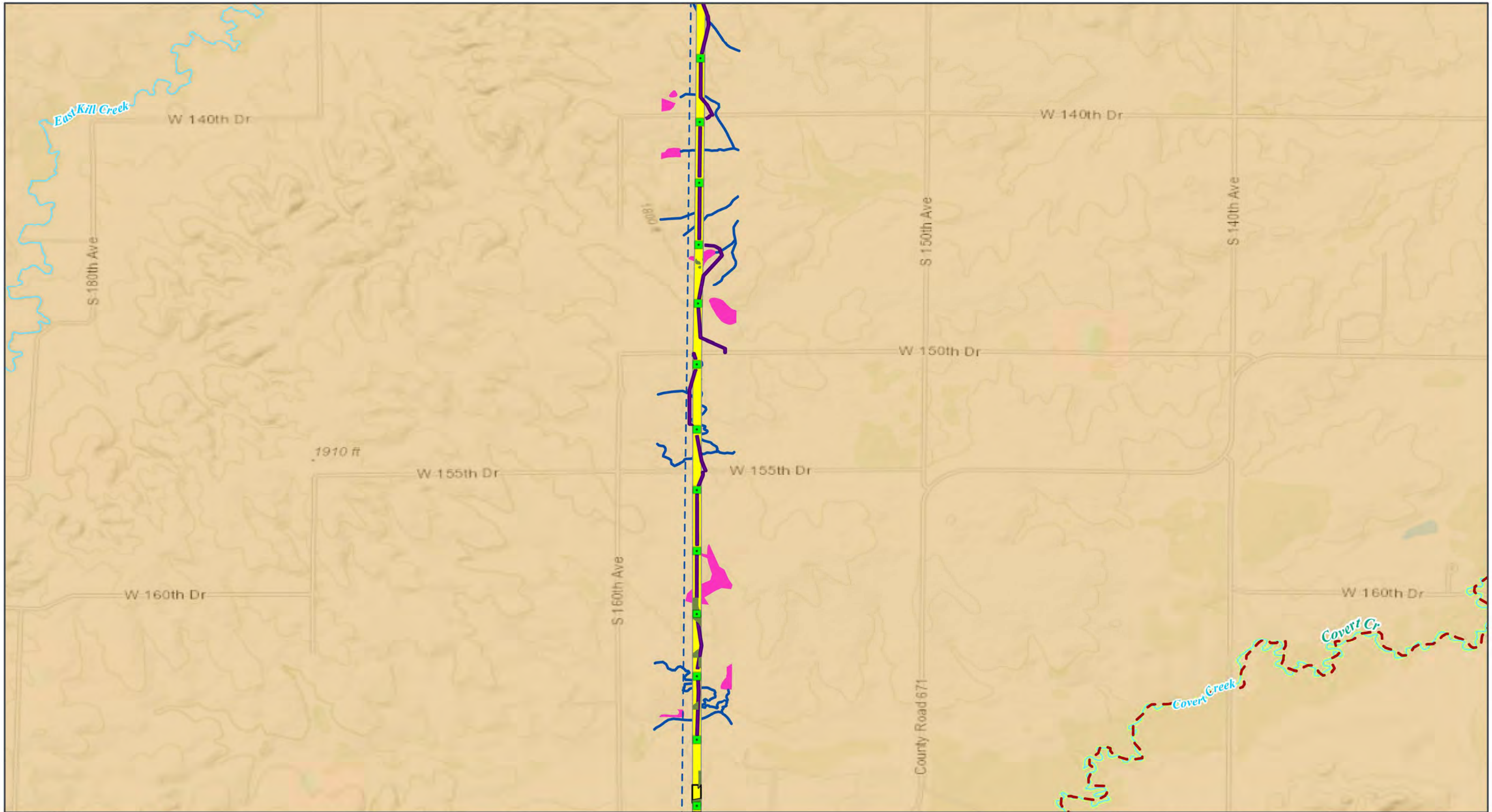
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



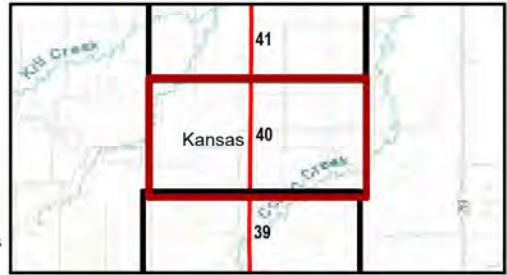


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 40 of 127



- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | County Boundary                  | NHD Stream/River                         |
| Habitat Conversion                   | State Boundary                   | Impaired Waterway (303d)                 |
| Access Road                          | <b>Surface Management Agency</b> | KDHE Special Status Stream               |
| Pull Site/Tension Site               | Private or Unknown               | <b>Sensitive Biological Resources</b>    |
| ROW                                  | <b>Hydrology</b>                 | Kansas Terrestrial Ecological Focus Area |
| Transmission Lines (115kV or Higher) | Delineated Stream                |  |
|                                      | Delineated Wetland               |  |

NOTE: In some instances, center pivots appear as ovals due to map projection.

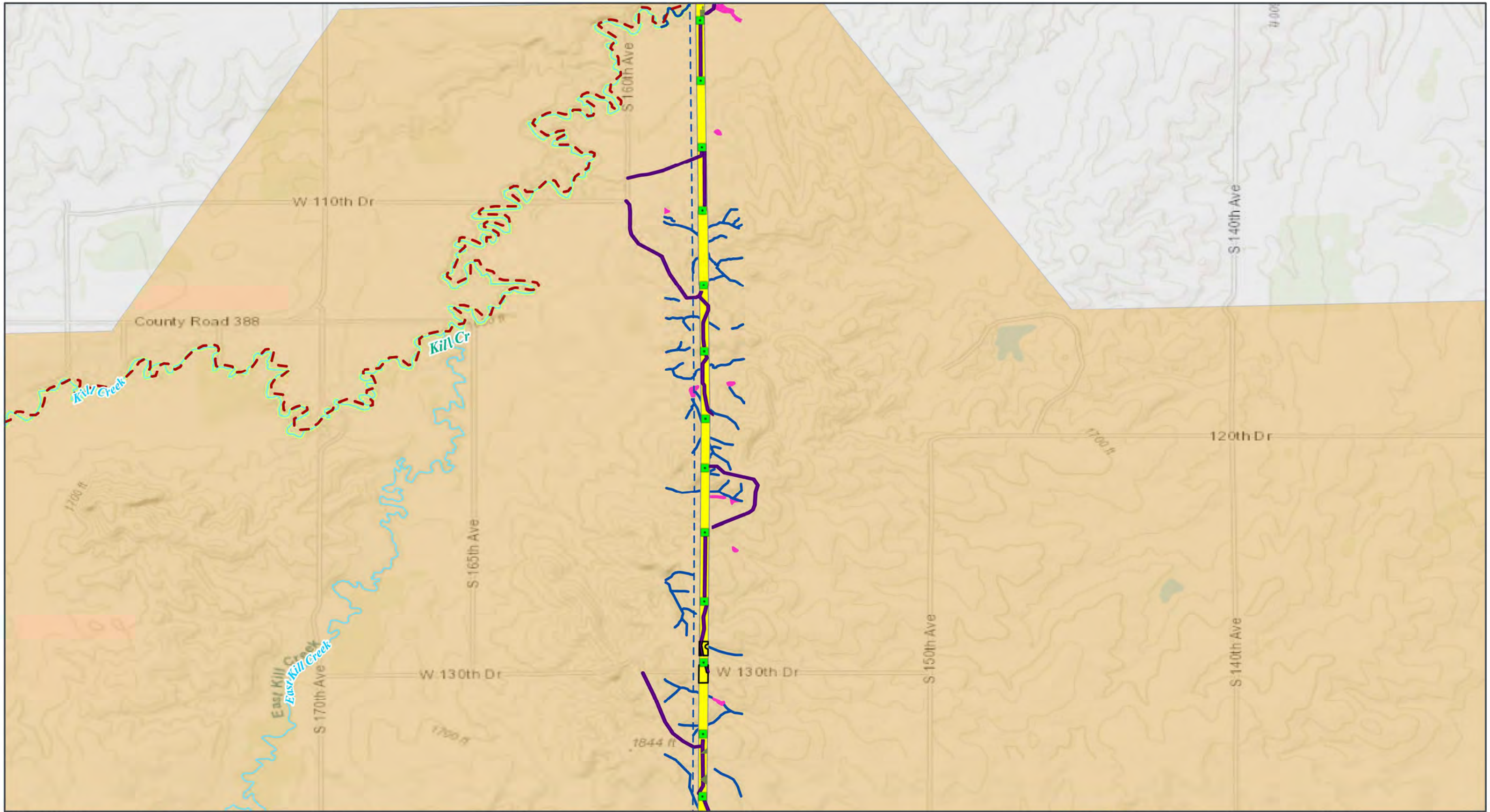


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

1:24,000



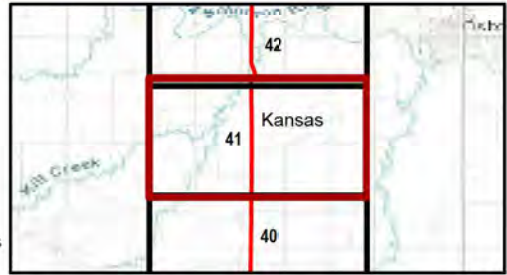


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |                                  |  |
|--------------------------------------|----------------------------------|--|
| Transmission Structure               | County Boundary                  | NHD Stream/River                         |
| Habitat Conversion                   | State Boundary                   | Impaired Waterway (303d)                 |
| Access Road                          | <b>Surface Management Agency</b> | KDHE Special Status Stream               |
| Pull Site/Tension Site               | Private or Unknown               | <b>Sensitive Biological Resources</b>    |
| ROW                                  | <b>Hydrology</b>                 | Kansas Terrestrial Ecological Focus Area |
| Transmission Lines (115kV or Higher) | Delineated Stream                |  |
|                                      | Delineated Wetland               |  |

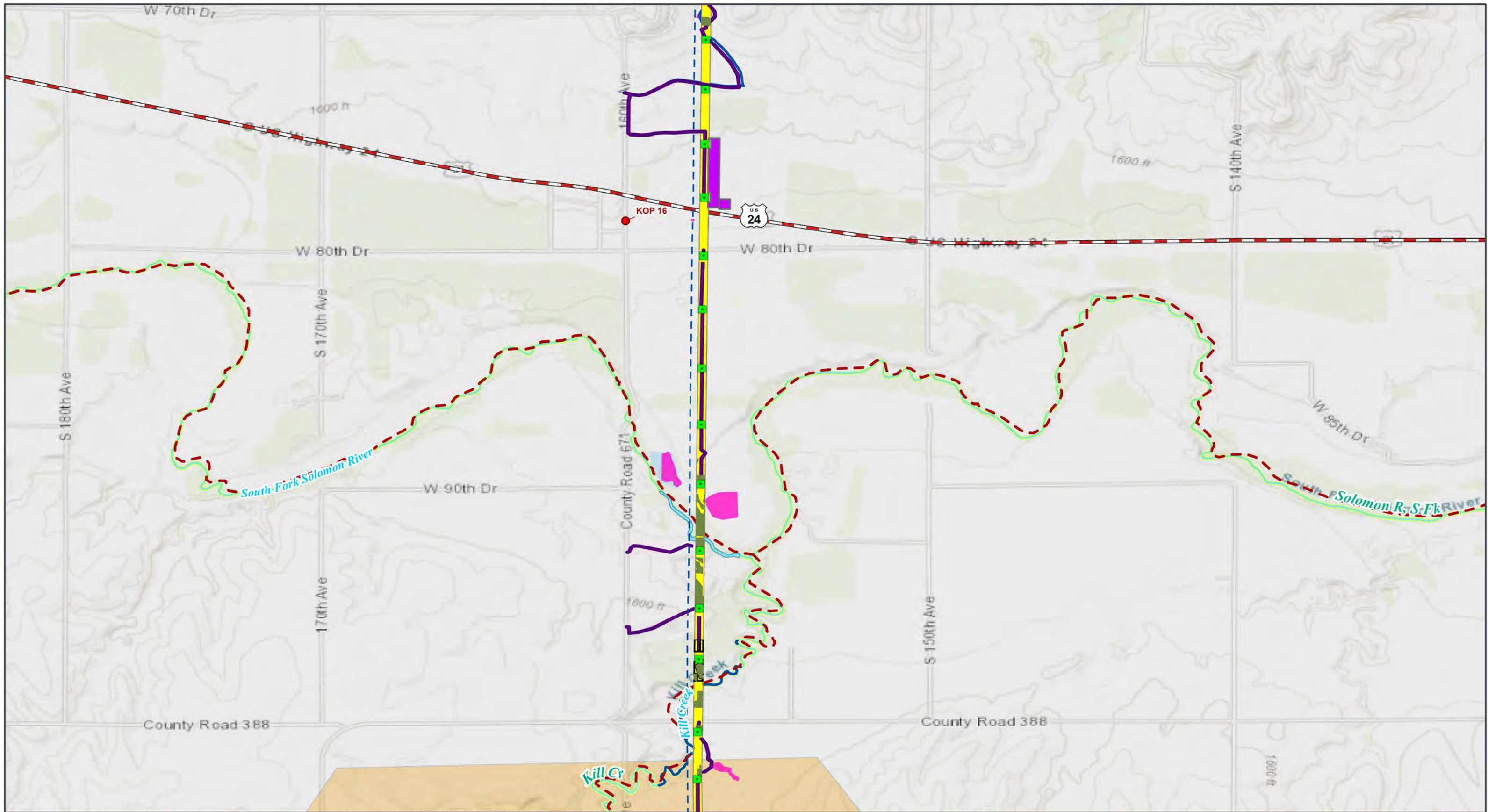
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

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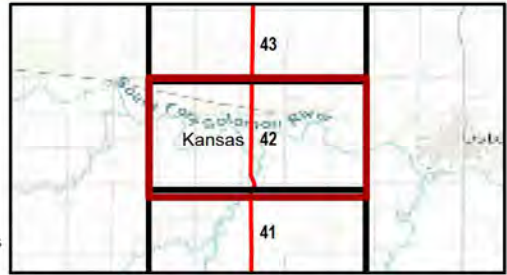
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 42 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- — — Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency  
Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Sensitive Biological Resources**
- Kansas Terrestrial Ecological Focus Area
- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
- Transportation**
- U.S. Highway



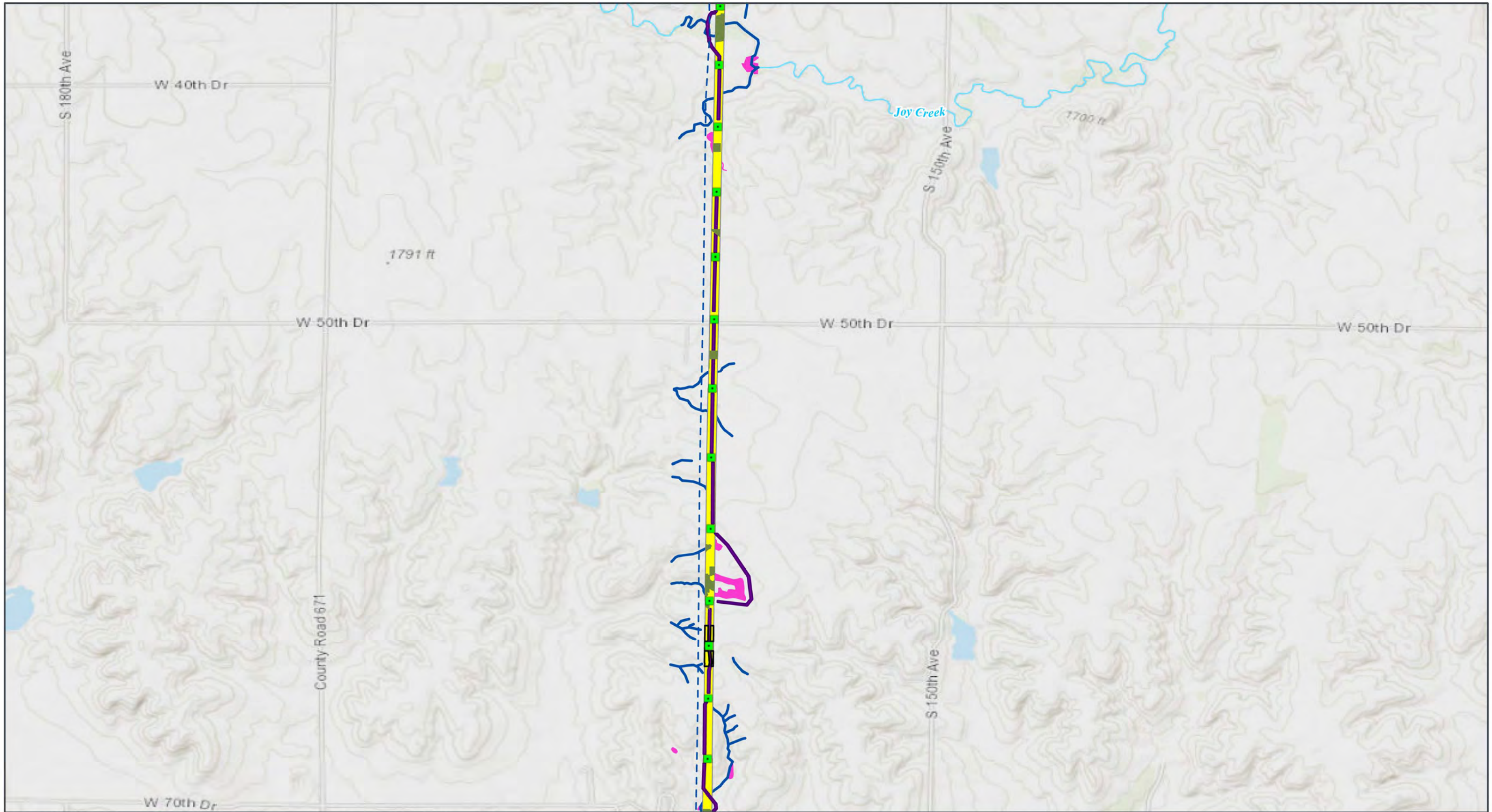
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



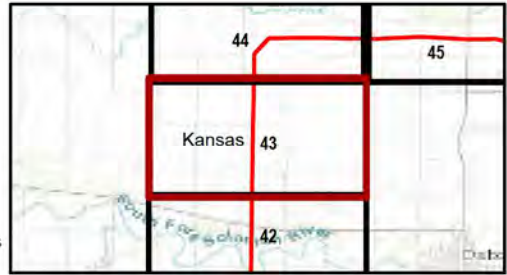
NOTE: In some instances, center pivots appear as ovals due to map projection.



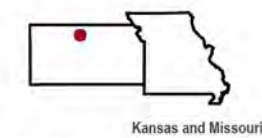
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 43 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



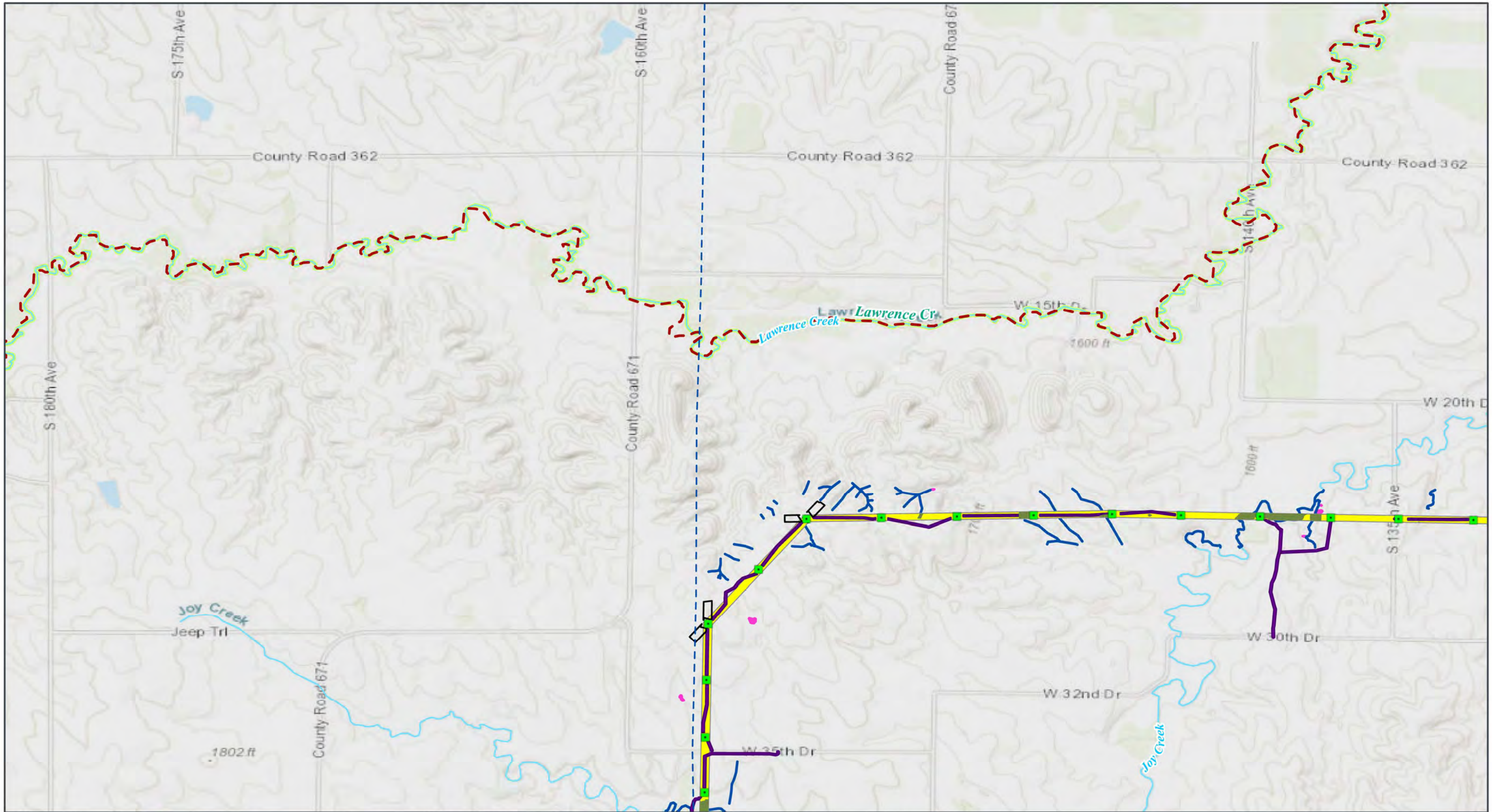
Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

1:24,000

0 900 1,800 Feet  
0 250 500 Meters

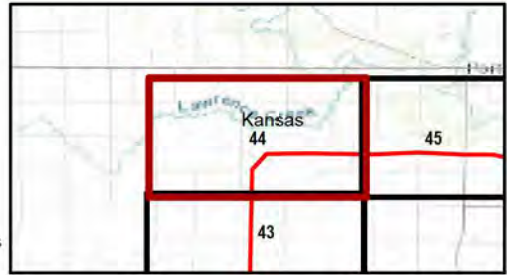
NOTE: In some instances, center pivots appear as ovals due to map projection.





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 44 of 127

- |                        |                                      |                            |
|------------------------|--------------------------------------|----------------------------|
| Transmission Structure | Transmission Lines (115kV or Higher) | <b>Hydrology</b>           |
| Habitat Conversion     | County Boundary                      | Delineated Stream          |
| Access Road            | State Boundary                       | Delineated Wetland         |
| Pull Site/Tension Site | <b>Surface Management Agency</b>     | NHD Stream/River           |
| ROW                    | Private or Unknown                   | Impaired Waterway (303d)   |
|                        |                                      | KDHE Special Status Stream |

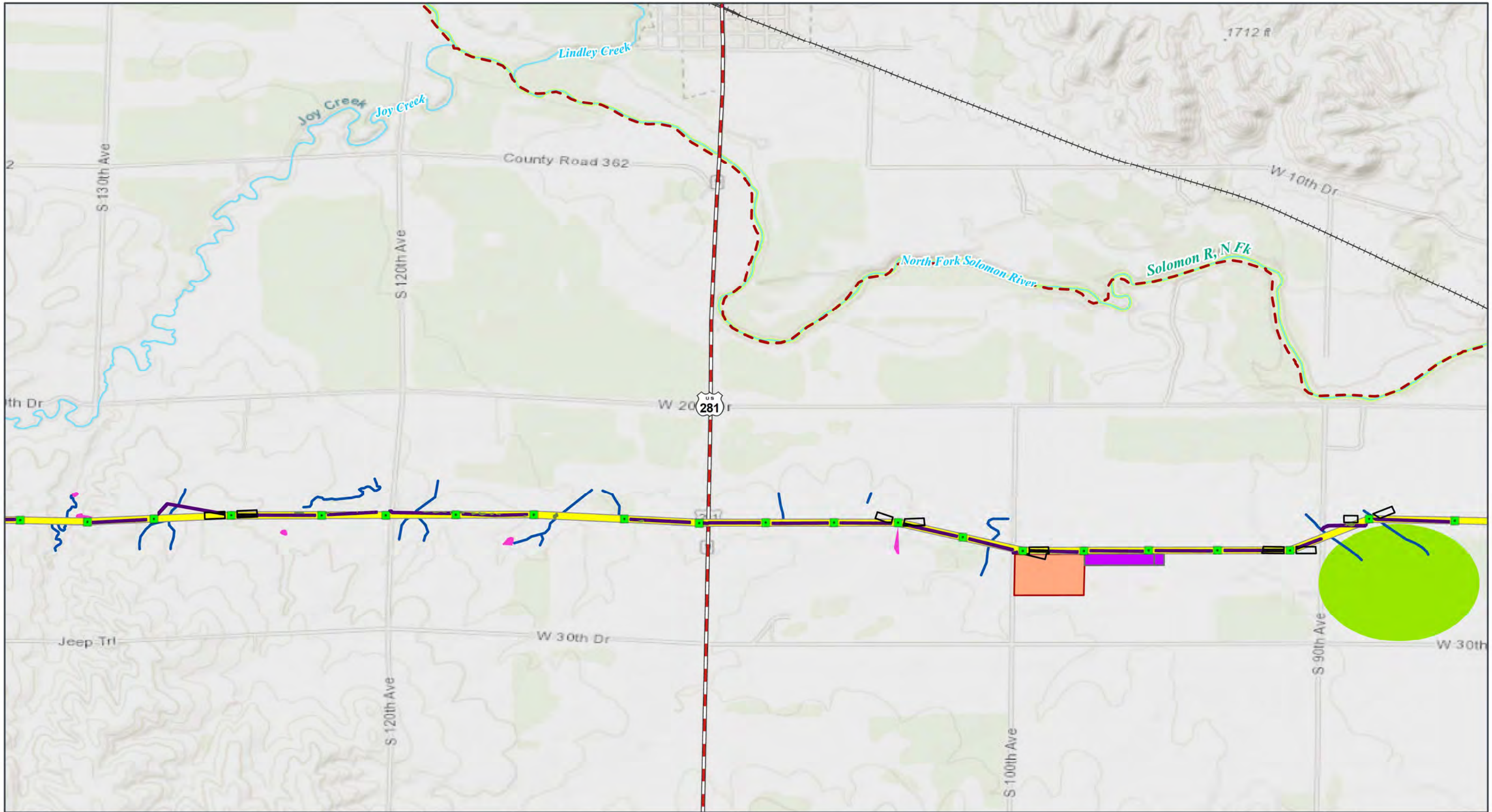


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
App: DEIS\_MapBook\_24k

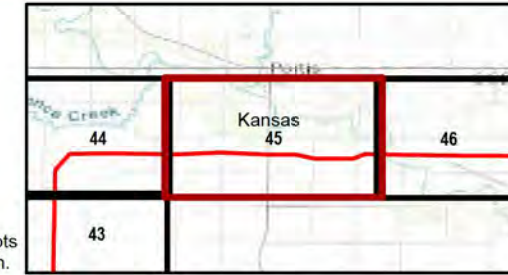
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                        |                                  |                              |
|------------------------|----------------------------------|------------------------------|
| Transmission Structure | County Boundary                  | NHD Stream/River             |
| Habitat Conversion     | State Boundary                   | Impaired Waterway (303d)     |
| Laydown Yard           | <b>Surface Management Agency</b> | KDHE Special Status Stream   |
| Access Road            | Private or Unknown               | Center Pivot Irrigation Area |
| Helipad / Fly Yard     | <b>Hydrology</b>                 | <b>Transportation</b>        |
| Pull Site/Tension Site | Delineated Stream                | U.S. Highway                 |
| ROW                    | Delineated Wetland               | Railroad                     |

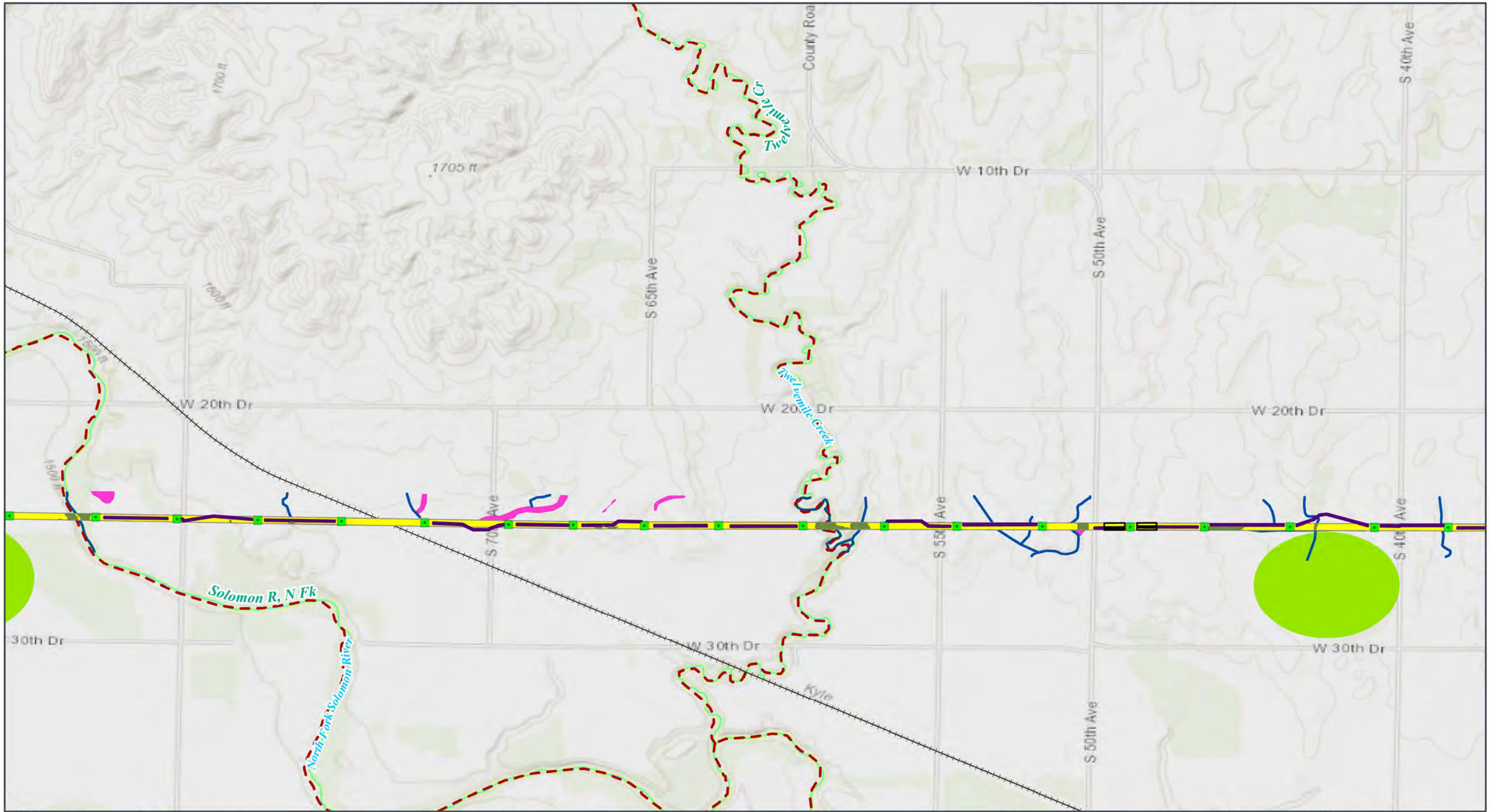


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

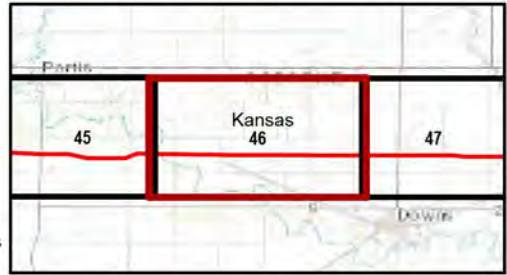
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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

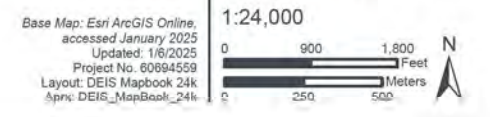


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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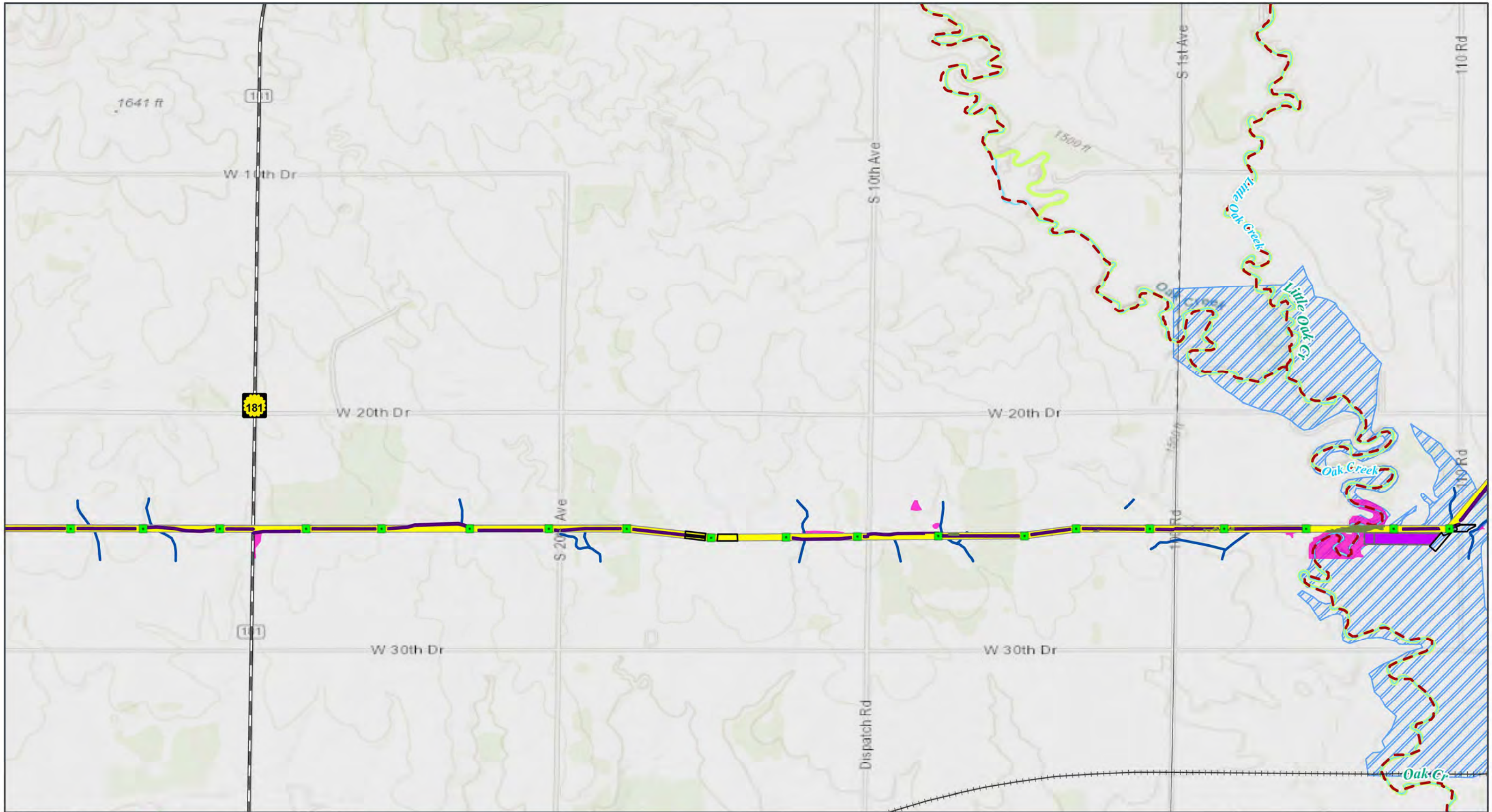
- |                        |                                  |                              |
|------------------------|----------------------------------|------------------------------|
| Transmission Structure | County Boundary                  | Delineated Wetland           |
| Habitat Conversion     | State Boundary                   | NHD Stream/River             |
| Access Road            | <b>Surface Management Agency</b> | Impaired Waterway (303d)     |
| Pull Site/Tension Site | Private or Unknown               | KDHE Special Status Stream   |
| ROW                    | <b>Hydrology</b>                 | Center Pivot Irrigation Area |
|                        | Delineated Stream                | Railroad                     |



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT

**Resource Map Book**

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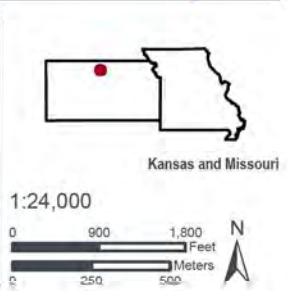
- |                        |                                  |                            |
|------------------------|----------------------------------|----------------------------|
| Transmission Structure | State Boundary                   | NHD Stream/River           |
| Habitat Conversion     | <b>Surface Management Agency</b> | Impaired Waterway (303d)   |
| Access Road            | Private or Unknown               | KDHE Special Status Stream |
| Helipad / Fly Yard     | <b>Hydrology</b>                 | 100-year FEMA Floodplain   |
| Pull Site/Tension Site | Delineated Stream                | <b>Transportation</b>      |
| ROW                    | Delineated Wetland               | State Highway              |
| County Boundary        | Delineated Waterbody             | Railroad                   |

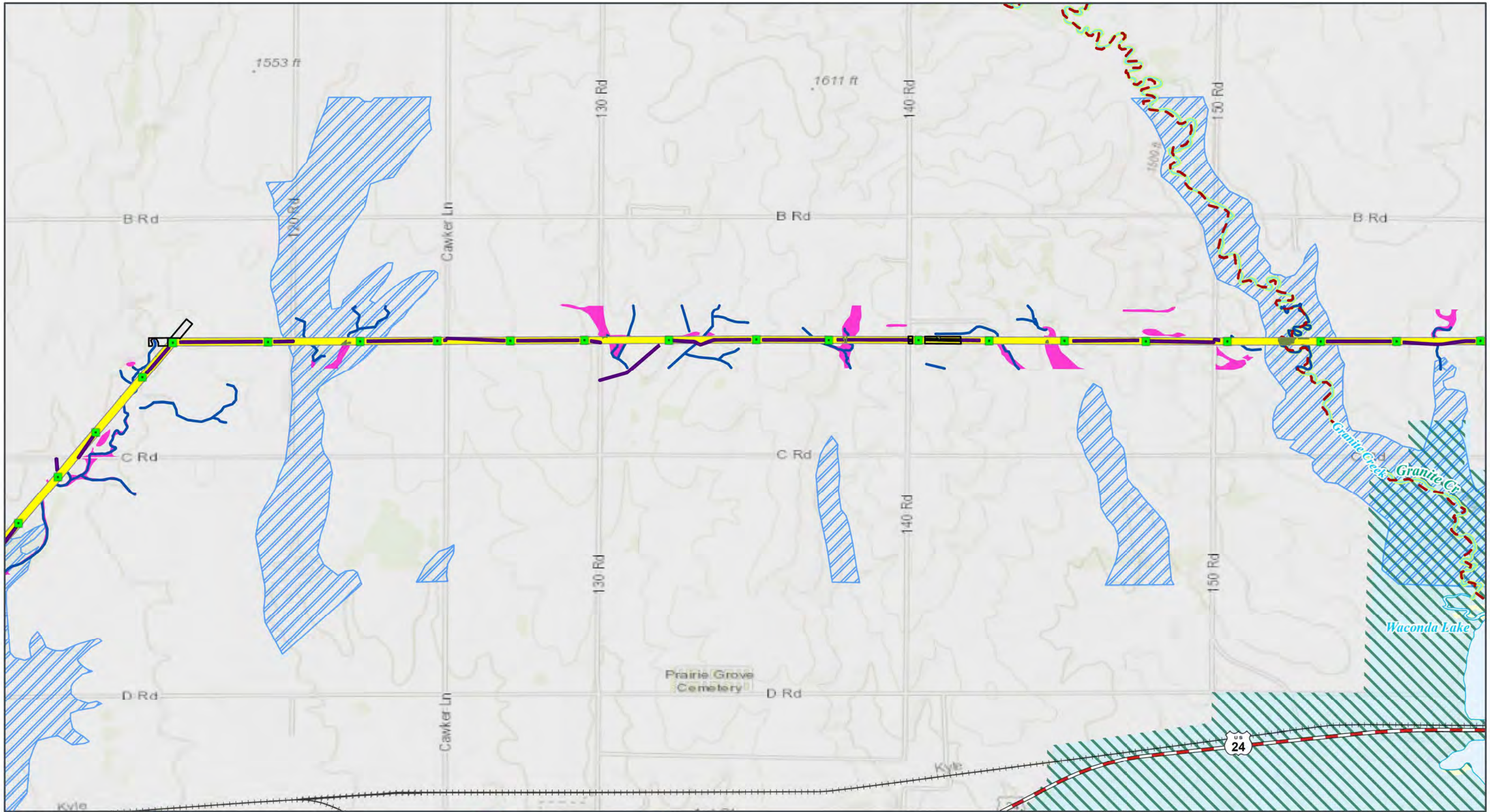
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



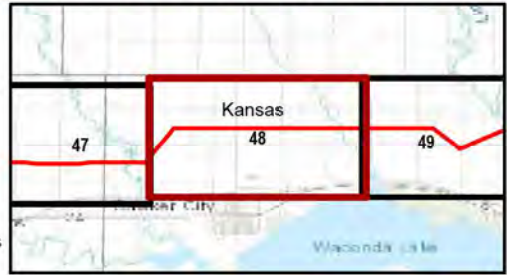


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 48 of 127

- |                        |                                  |                            |                                       |
|------------------------|----------------------------------|----------------------------|---------------------------------------|
| Transmission Structure | State Boundary                   | Delineated Wetland         | 100-year FEMA Floodplain              |
| Habitat Conversion     | <b>Surface Management Agency</b> | NHD Stream/River           | <b>Sensitive Biological Resources</b> |
| Access Road            | Bureau of Reclamation (BOR)      | Impaired Waterway (303d)   | KS State Wildlife Area                |
| Pull Site/Tension Site | State                            | KDHE Special Status Stream | <b>Transportation</b>                 |
| ROW                    | Private or Unknown               | NHD Waterbody              | U.S. Highway                          |
| County Boundary        | <b>Hydrology</b>                 | KDHE Special Status Lake   | Railroad                              |
|                        | Delineated Stream                |                            |                                       |



NOTE: In some instances, center pivots appear as ovals due to map projection.



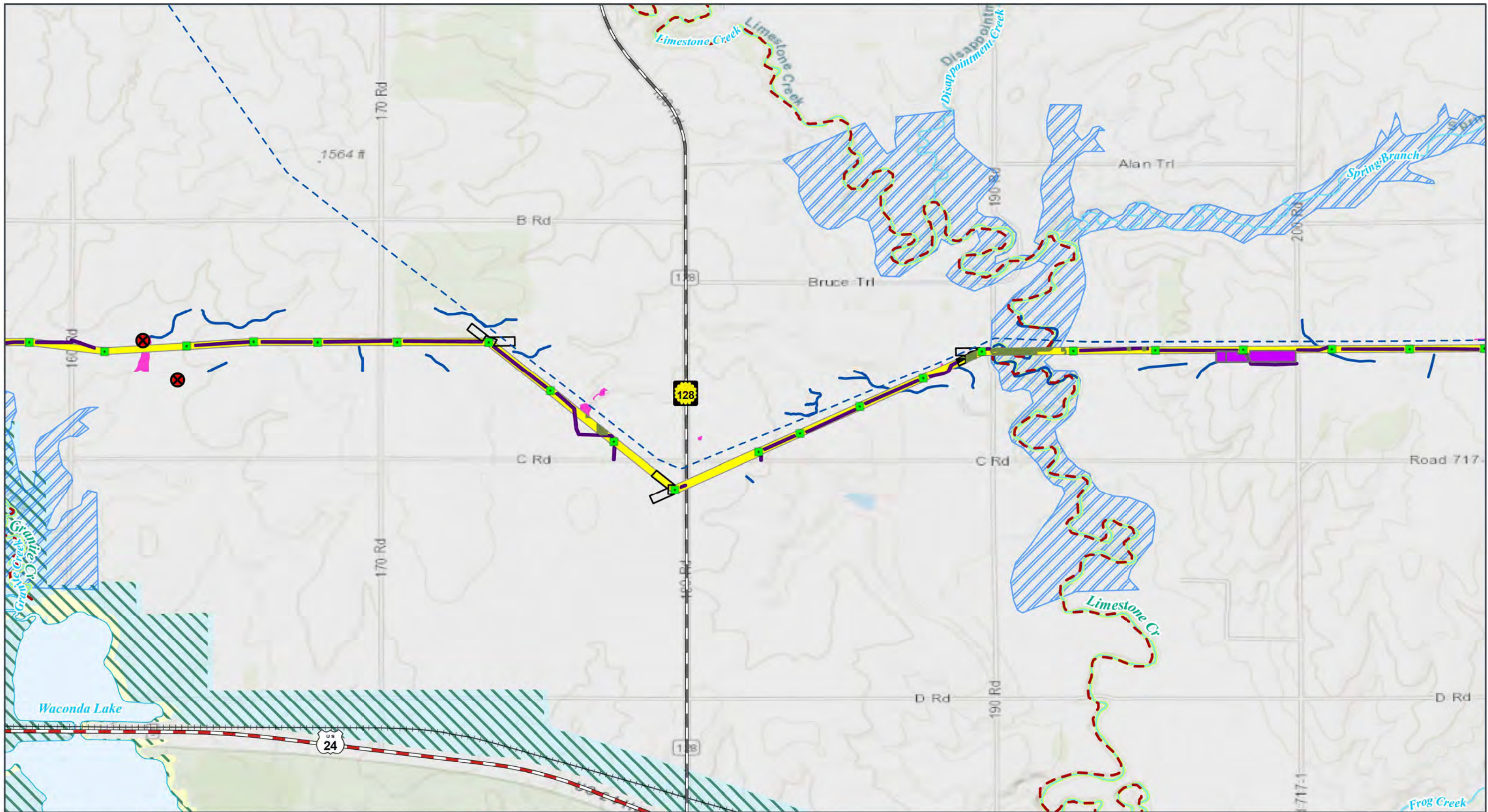
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

Kansas and Missouri





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- County Boundary
- State Boundary
- Surface Management Agency**
- Bureau of Reclamation (BOR)
- State
- Private or Unknown
- Hydrology**
- Delineated Stream

- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- NHD Waterbody
- KDHE Special Status Lake
- 100-year FEMA Floodplain

- Sensitive Biological Resources**
- KS State Wildlife Area
- X Bald Eagle Nests
- Transportation**
- U.S. Highway
- State Highway
- Railroad

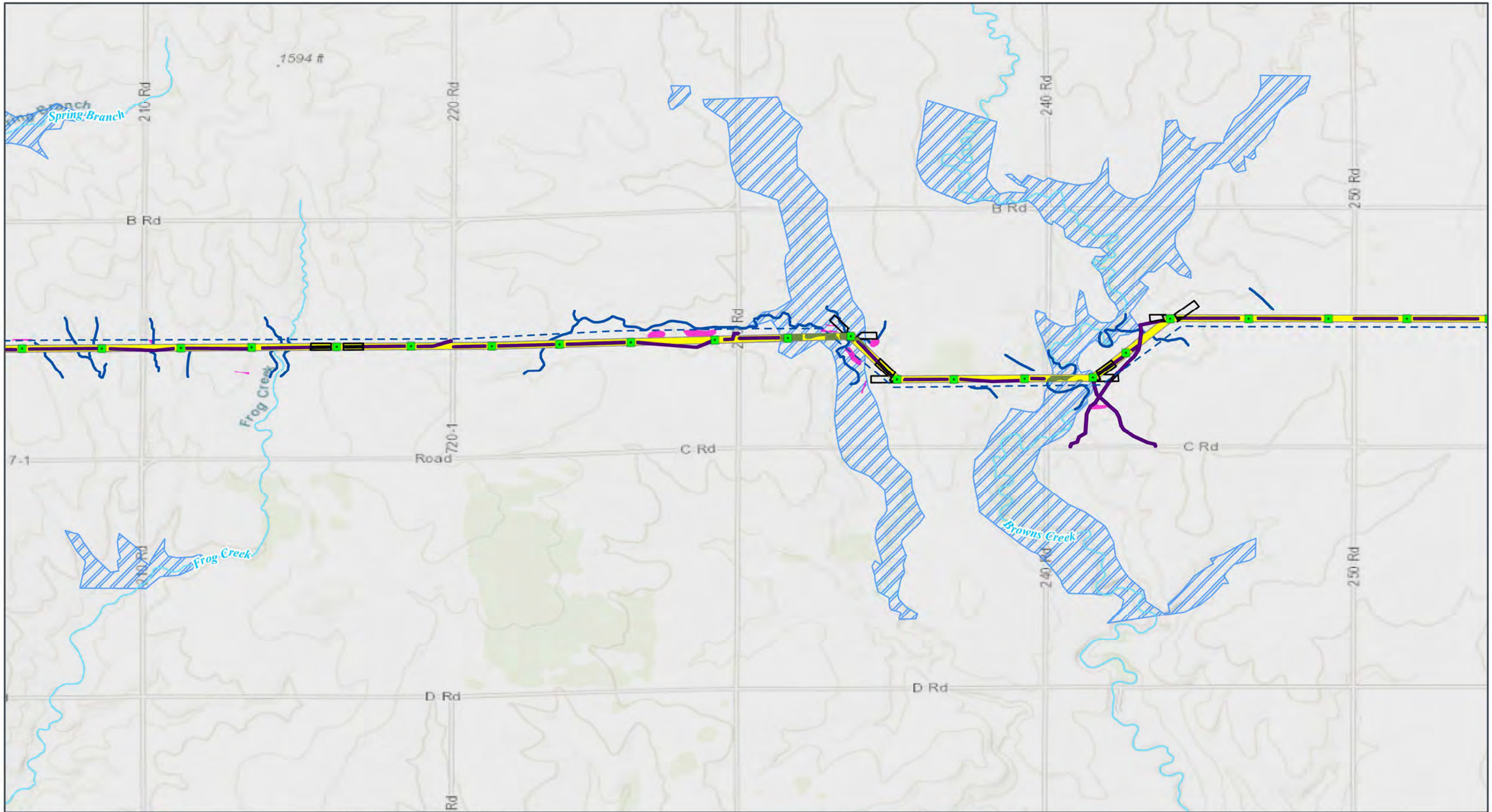


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



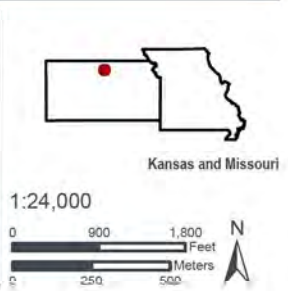
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 50 of 127

- |                        |                                      |                          |
|------------------------|--------------------------------------|--------------------------|
| Transmission Structure | Transmission Lines (115kV or Higher) | <b>Hydrology</b>         |
| Habitat Conversion     | County Boundary                      | Delineated Stream        |
| Access Road            | State Boundary                       | Delineated Wetland       |
| Pull Site/Tension Site | <b>Surface Management Agency</b>     | NHD Stream/River         |
| ROW                    | Private or Unknown                   | 100-year FEMA Floodplain |

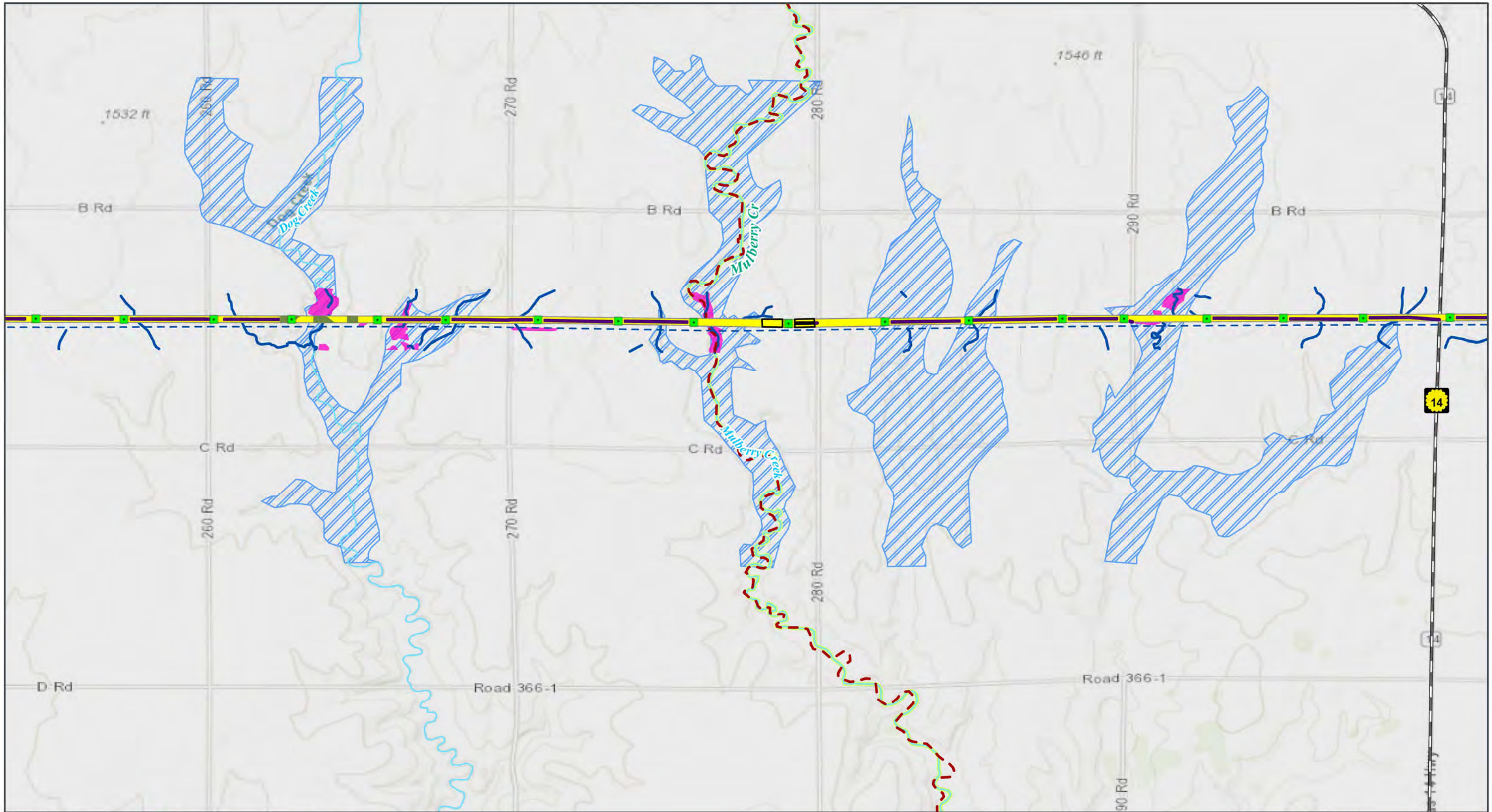


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



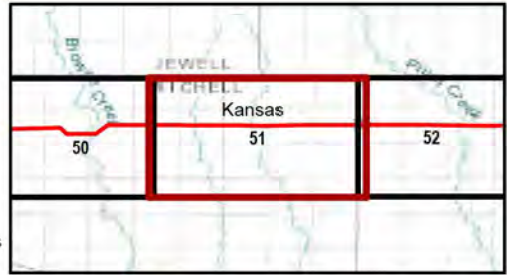
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 51 of 127



- |                                      |                                  |                            |
|--------------------------------------|----------------------------------|----------------------------|
| Transmission Structure               | County Boundary                  | NHD Stream/River           |
| Habitat Conversion                   | State Boundary                   | Impaired Waterway (303d)   |
| Access Road                          | <b>Surface Management Agency</b> | KDHE Special Status Stream |
| Pull Site/Tension Site               | Private or Unknown               | 100-year FEMA Floodplain   |
| ROW                                  | <b>Hydrology</b>                 | <b>Transportation</b>      |
| Transmission Lines (115kV or Higher) | Delineated Stream                | State Highway              |
|                                      | Delineated Wetland               |                            |

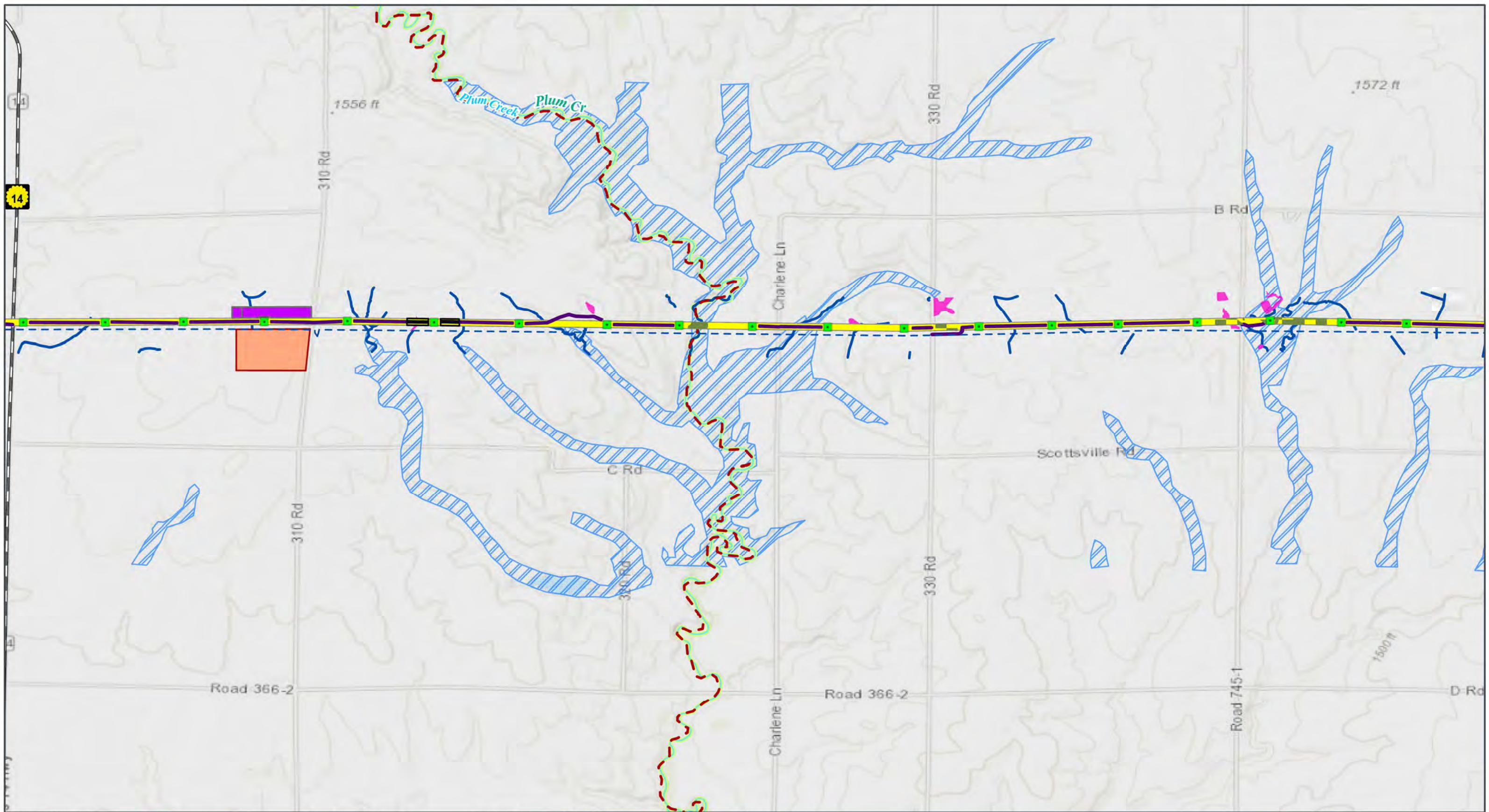


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

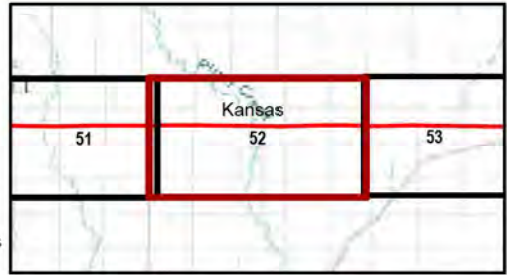
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 52 of 127

- |                        |                                      |                                  |                            |
|------------------------|--------------------------------------|----------------------------------|----------------------------|
| Transmission Structure | Pull Site/Tension Site               | <b>Surface Management Agency</b> | Impaired Waterway (303d)   |
| Habitat Conversion     | ROW                                  | Private or Unknown               | KDHE Special Status Stream |
| Laydown Yard           | Transmission Lines (115kV or Higher) | <b>Hydrology</b>                 | 100-year FEMA Floodplain   |
| Access Road            | County Boundary                      | Delineated Stream                | <b>Transportation</b>      |
| Helipad / Fly Yard     | State Boundary                       | Delineated Wetland               | State Highway              |
|                        |                                      | NHD Stream/River                 |                            |

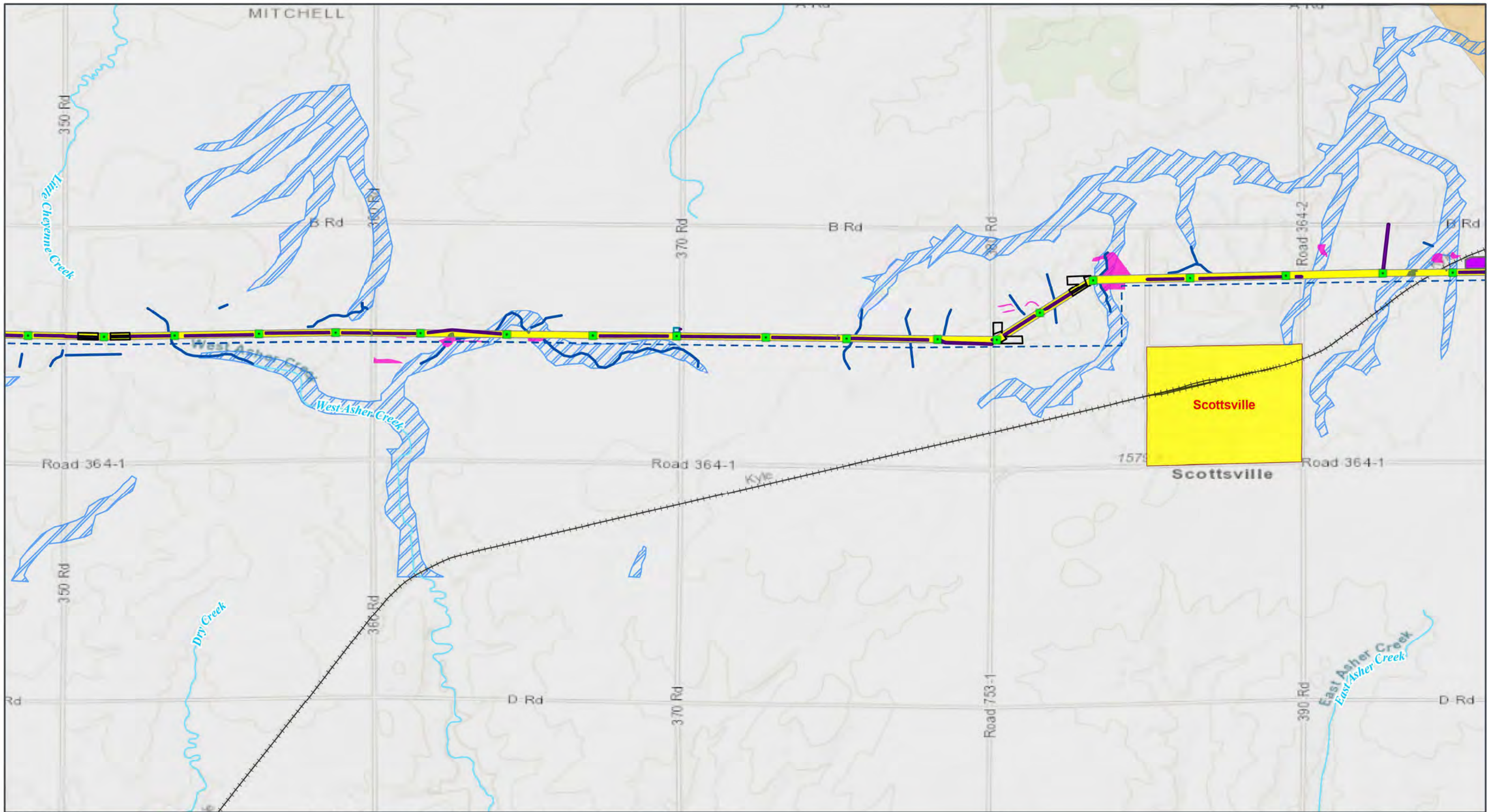


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

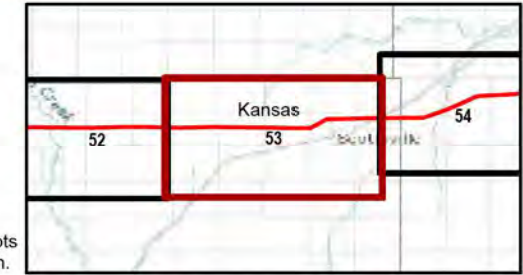
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Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 53 of 127



- |                        |                                      |                                     |  |
|------------------------|--------------------------------------|-------------------------------------|--|
| Transmission Structure | Pull Site/Tension Site               | Municipal Boundary Near the Project | NHD Stream/River                         |
| Habitat Conversion     | ROW                                  | Private or Unknown                  | 100-year FEMA Floodplain                 |
| Access Road            | Transmission Lines (115kV or Higher) | Delineated Stream                   | Sensitive Biological Resources           |
| Helipad / Fly Yard     | County Boundary                      | Delineated Wetland                  | Kansas Terrestrial Ecological Focus Area |
| Optical Regeneration   | State Boundary                       | Railroad                            |  |
| OPGW Access            |                                      |                                     |  |

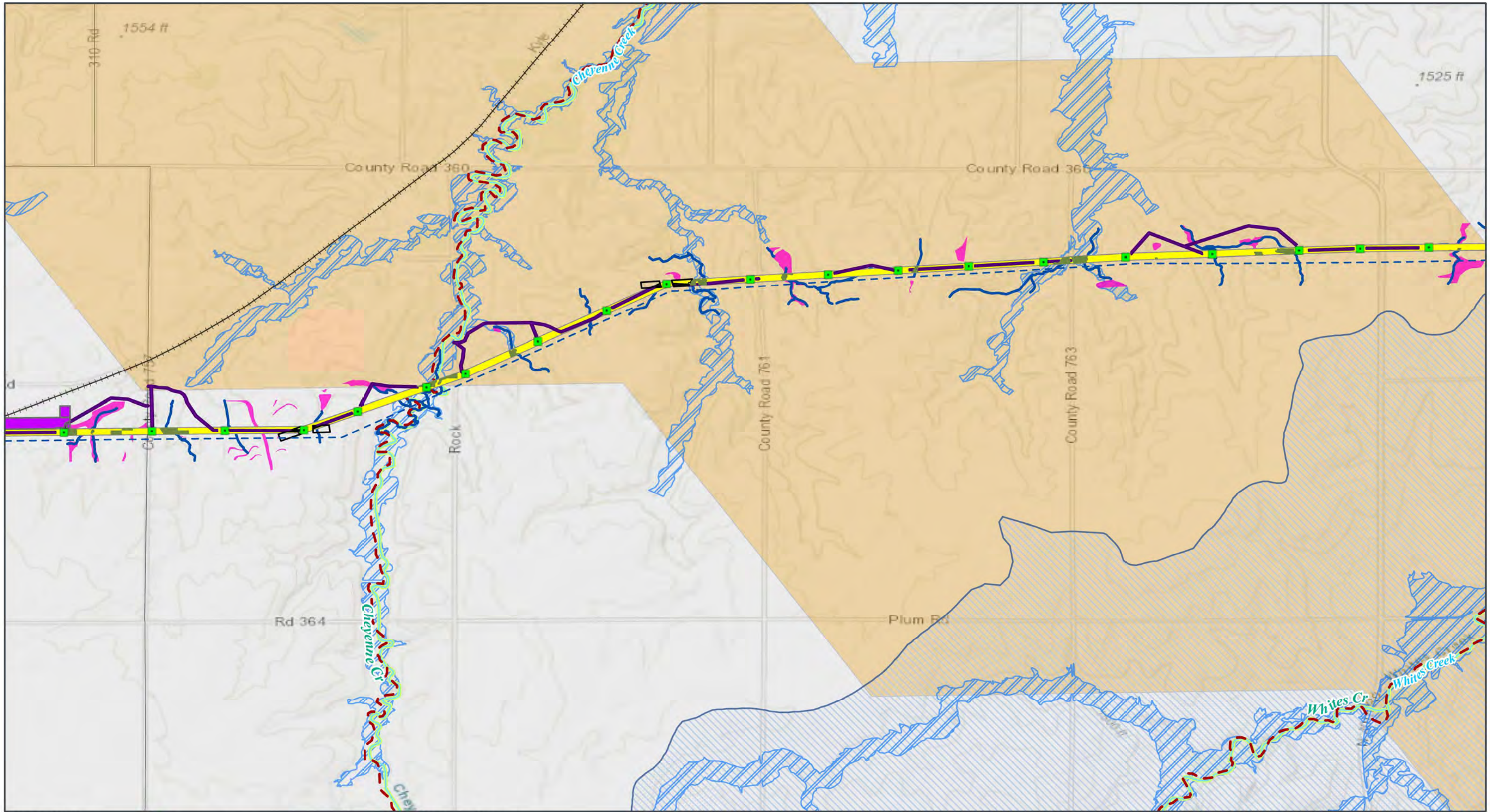


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 54 of 127

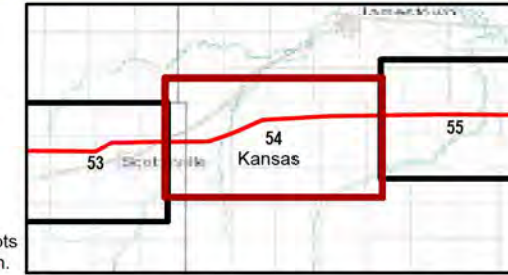


- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Sensitive Biological Resources**
- 100-year FEMA Floodplain
  - Kansas Aquatic Ecological Focus Area
  - Kansas Terrestrial Ecological Focus Area
  - Railroad

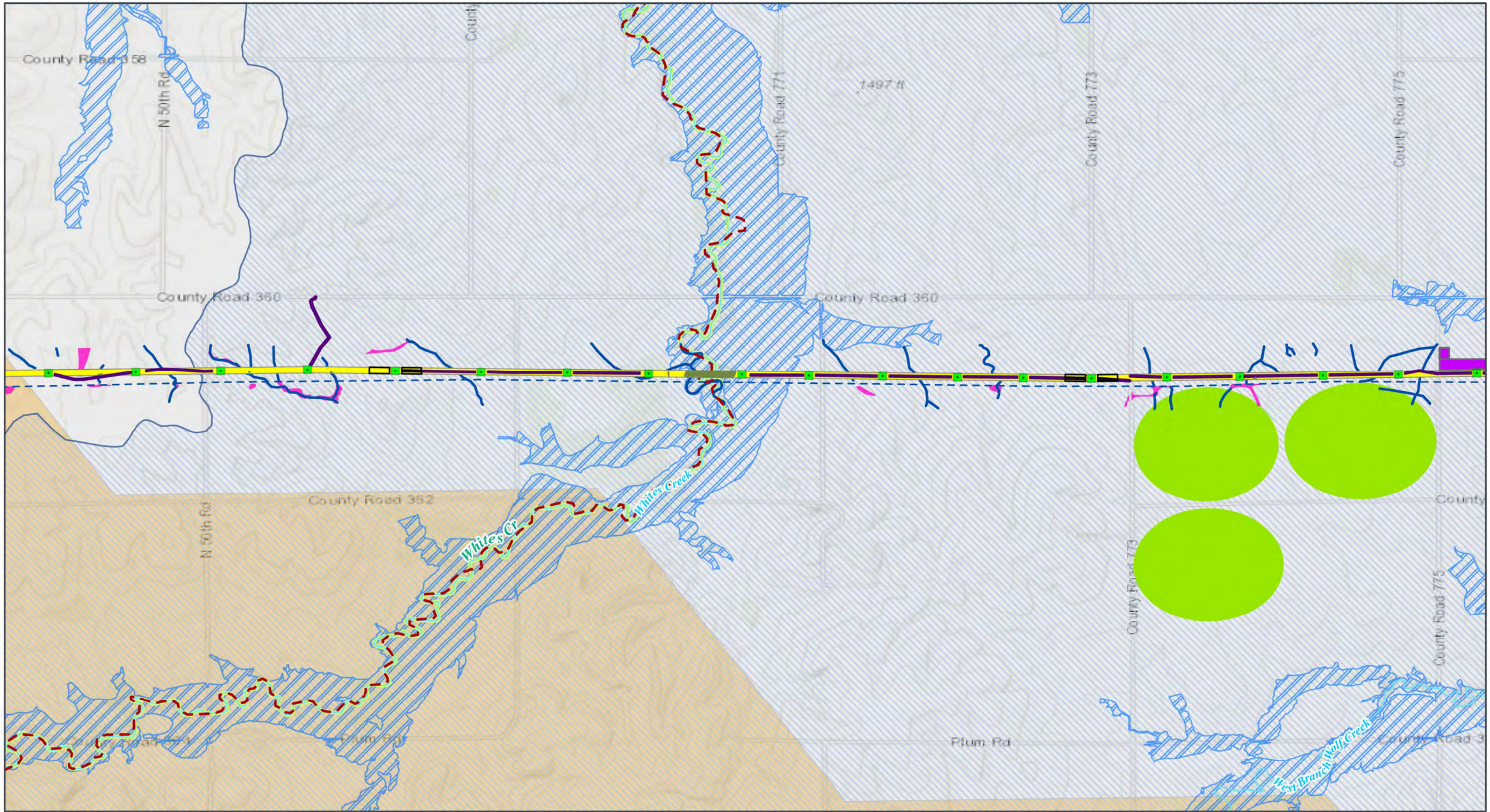


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 55 of 127

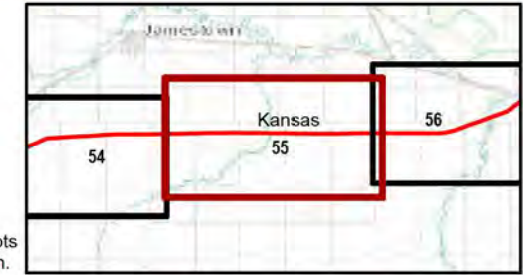


- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- Center Pivot Irrigation Area
- 100-year FEMA Floodplain
- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Kansas Terrestrial Ecological Focus Area



NOTE: In some instances, center pivots appear as ovals due to map projection.

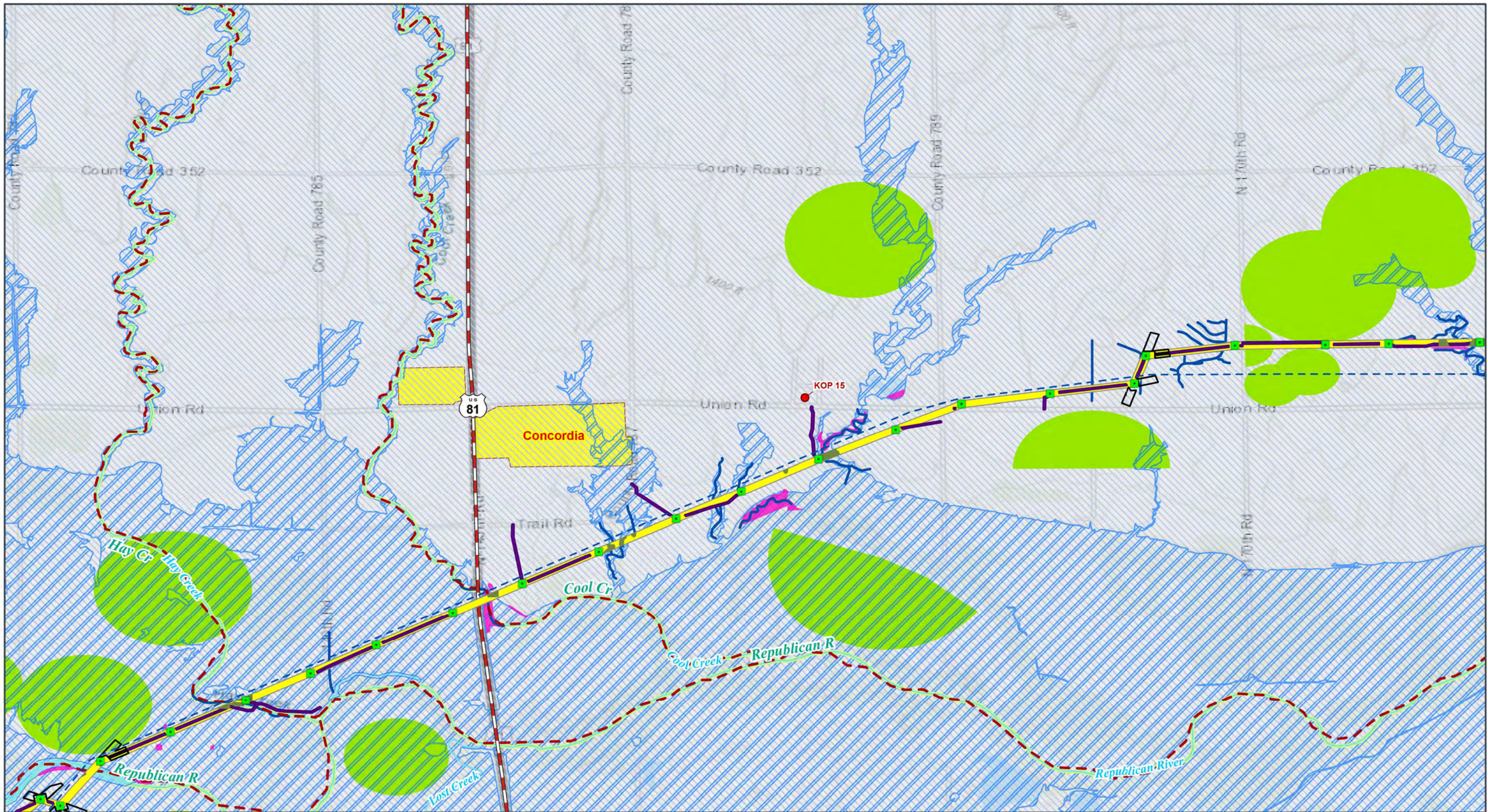
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
App: DEIS\_MapBook\_24k







GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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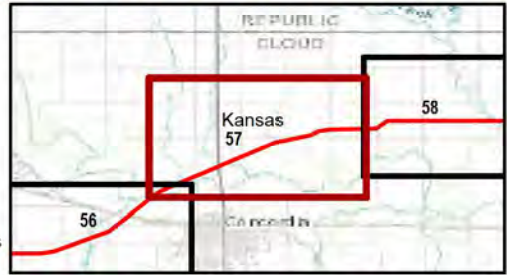


- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream

- Delineated Wetland
- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Center Pivot Irrigation Area
- 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
- Transportation**
- U.S. Highway

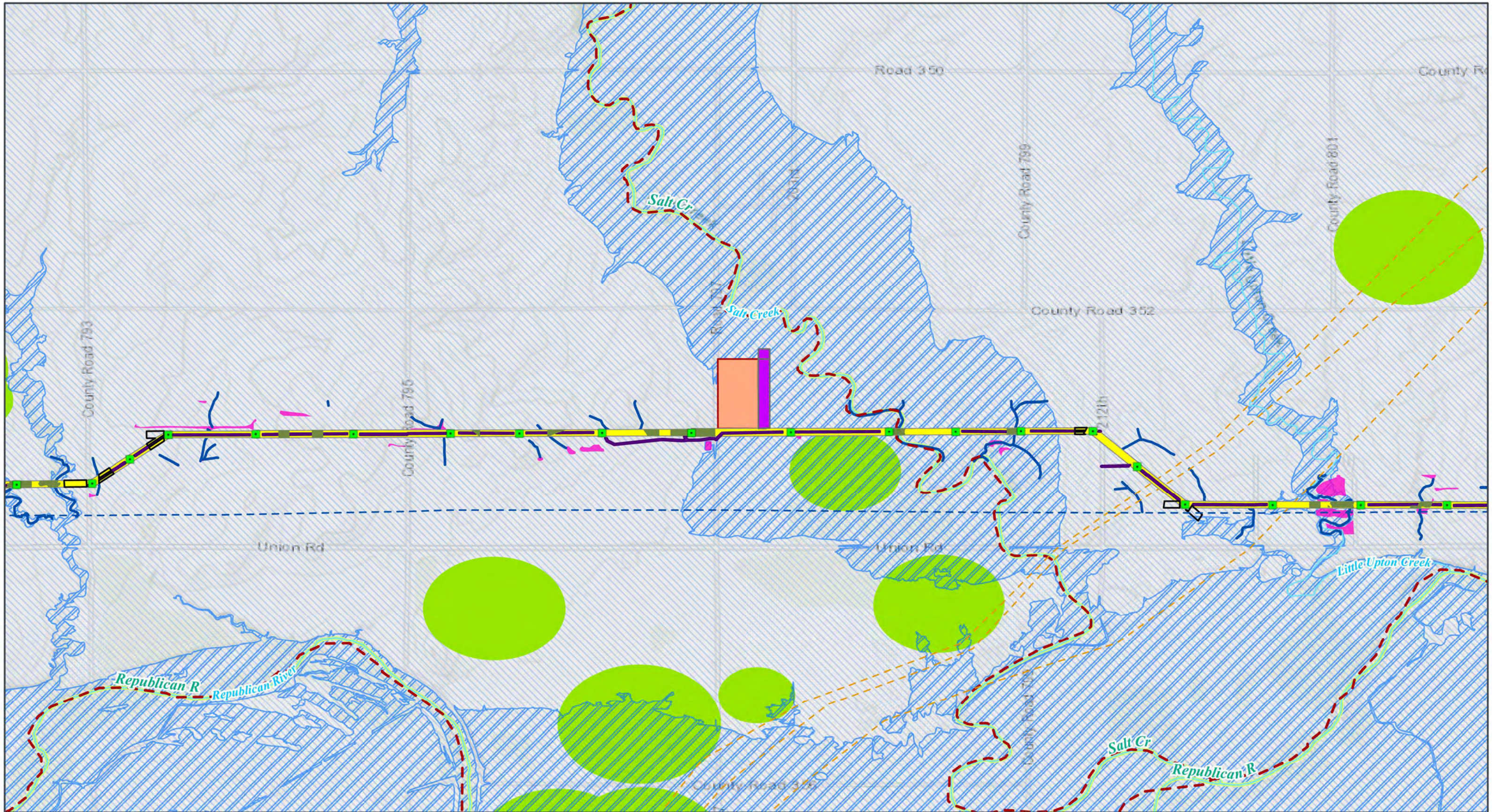


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



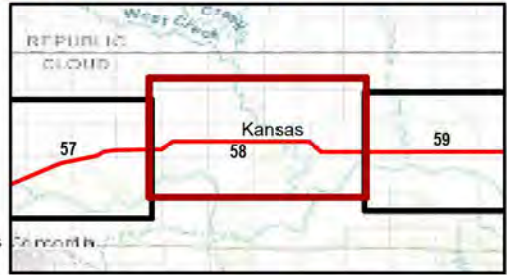
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 58 of 127

- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site

- ROW
- Transmission Lines (115kV or Higher)
- Existing Pipeline
- County Boundary
- State Boundary

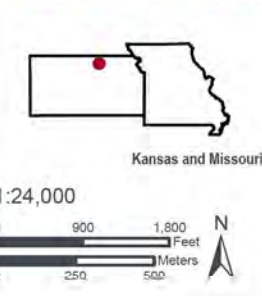
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River

- Impaired Waterway (303d)
- KDHE Special Status Stream
- Center Pivot Irrigation Area
- 100-year FEMA Floodplain
- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area

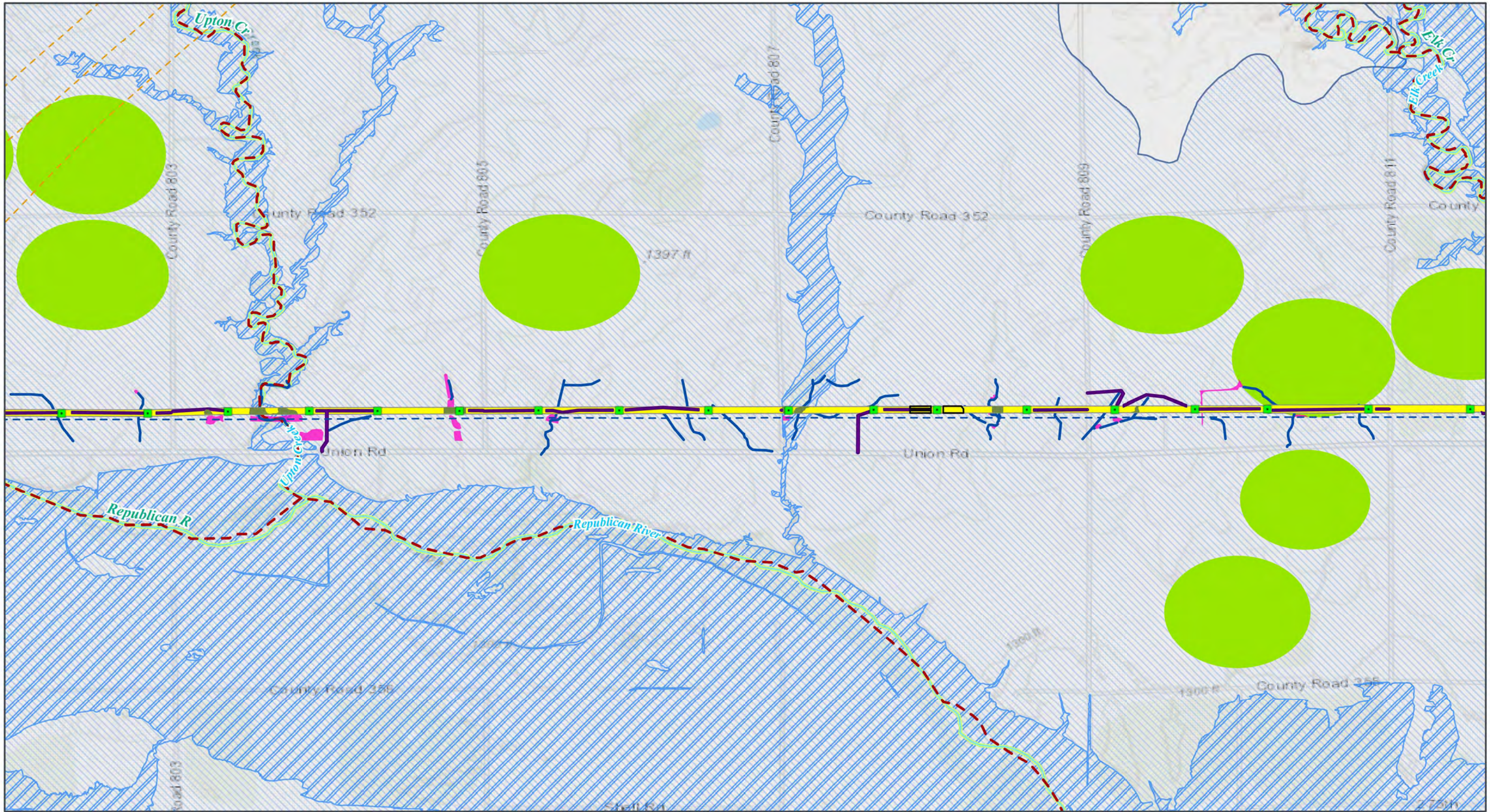


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



NOTE: In some instances, center pivots appear as ovals due to map projection.

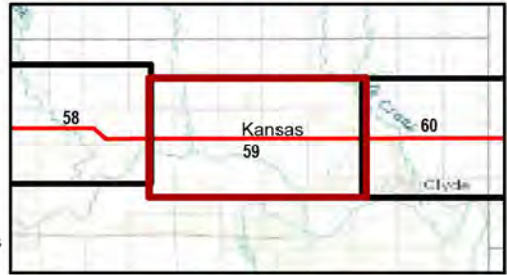


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 59 of 127

- |                        |                                      |                                  |                                       |
|------------------------|--------------------------------------|----------------------------------|---------------------------------------|
| Transmission Structure | Transmission Lines (115kV or Higher) | <b>Surface Management Agency</b> | Impaired Waterway (303d)              |
| Habitat Conversion     | Existing Pipeline                    | Private or Unknown               | KDHE Special Status Stream            |
| Access Road            | County Boundary                      | <b>Hydrology</b>                 | Center Pivot Irrigation Area          |
| Pull Site/Tension Site | State Boundary                       | Delineated Stream                | 100-year FEMA Floodplain              |
| ROW                    |                                      | Delineated Wetland               | <b>Sensitive Biological Resources</b> |
|                        |                                      | NHD Stream/River                 | Kansas Aquatic Ecological Focus Area  |



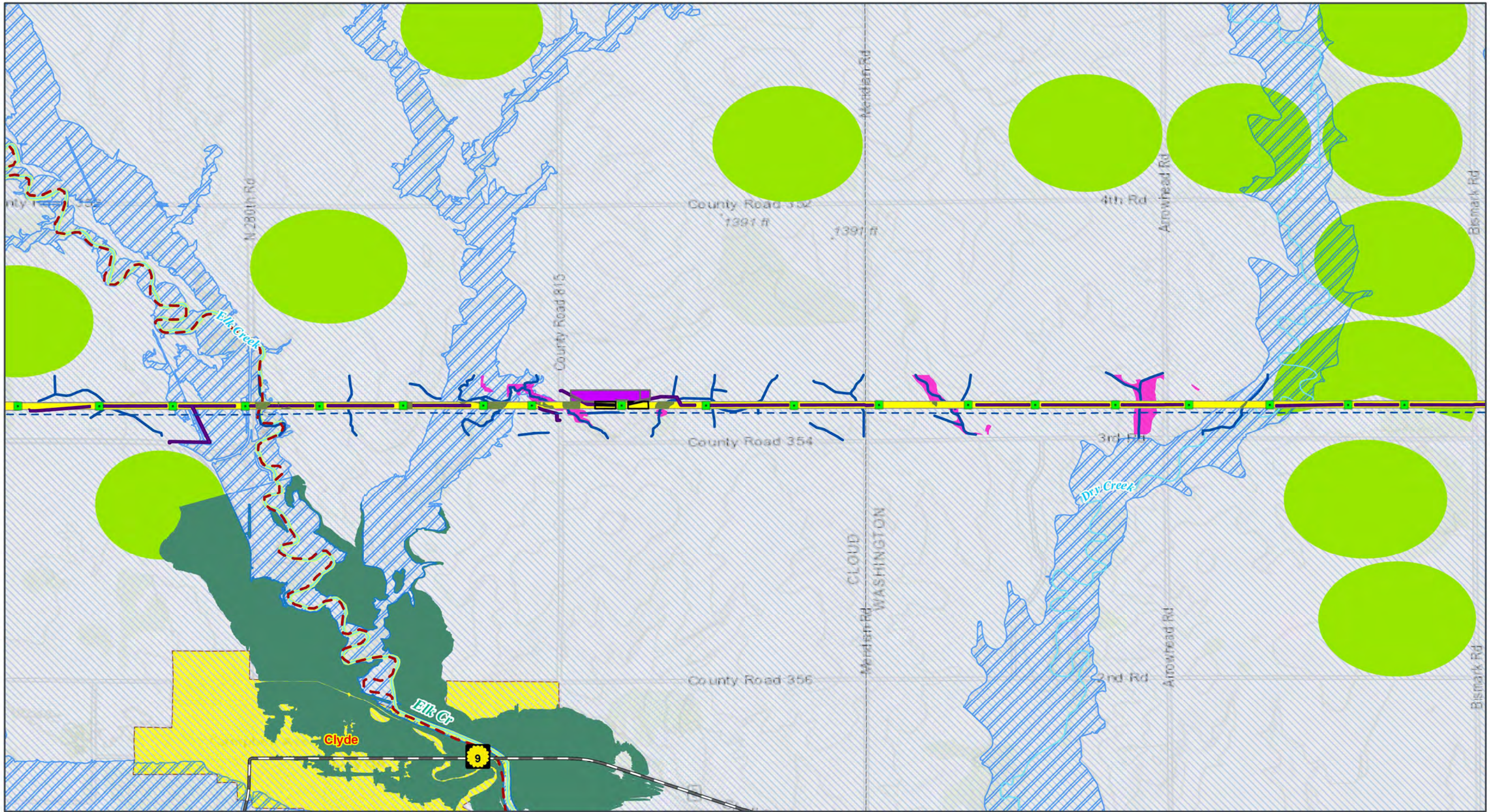
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

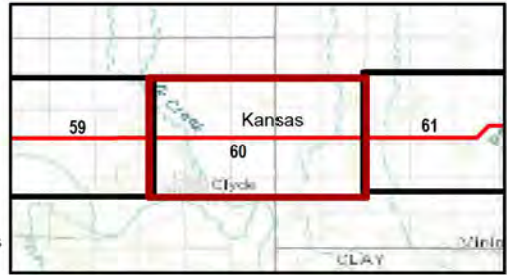
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 60 of 127



- |   |   |   |   |
|---|---|---|---|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> Transmission Structure</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: brown; border: 1px solid black; margin-right: 5px;"></span> Habitat Conversion</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Access Road</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: magenta; border: 1px solid black; margin-right: 5px;"></span> Helipad / Fly Yard</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pull Site/Tension Site</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed blue; margin-right: 5px;"></span> Transmission Lines (115kV or Higher)</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> County Boundary</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> State Boundary</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> Municipal Boundary Near the Project</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Surface Management Agency</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: gray; border: 1px solid black; margin-right: 5px;"></span> Private or Unknown</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid blue; margin-right: 5px;"></span> Delineated Stream</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid magenta; margin-right: 5px;"></span> Delineated Wetland</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid cyan; margin-right: 5px;"></span> NHD Stream/River</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed red; margin-right: 5px;"></span> Impaired Waterway (303d)</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid green; margin-right: 5px;"></span> KDHE Special Status Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lime; border: 1px solid black; margin-right: 5px;"></span> Center Pivot Irrigation Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-style: dashed; margin-right: 5px;"></span> 100-year FEMA Floodplain</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> 500-year FEMA Floodplain</li> </ul> <p><b>Sensitive Biological Resources</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-style: dashed; margin-right: 5px;"></span> Kansas Aquatic Ecological Focus Area</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> State Highway</li> </ul> |
|---|---|---|---|

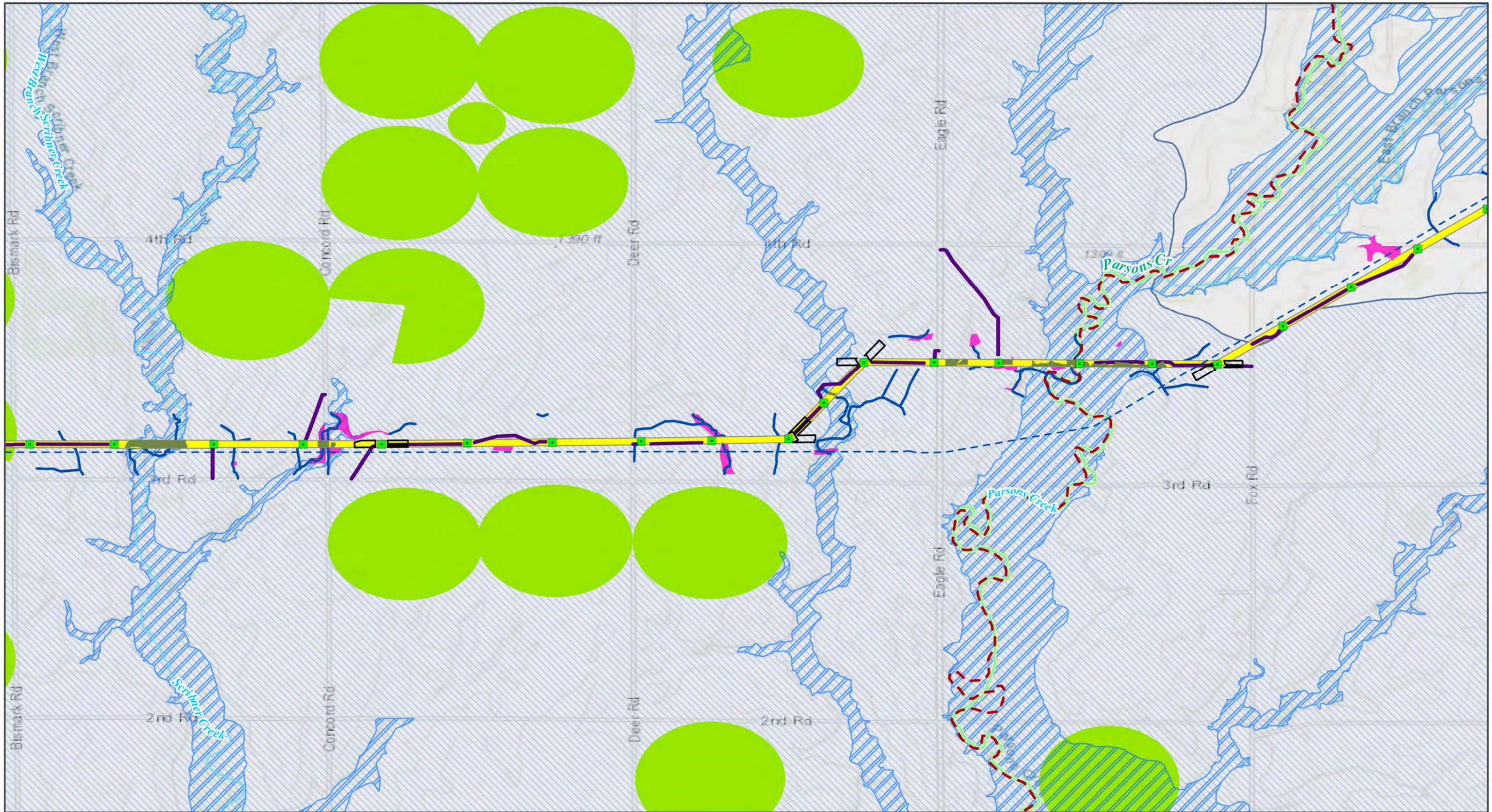


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

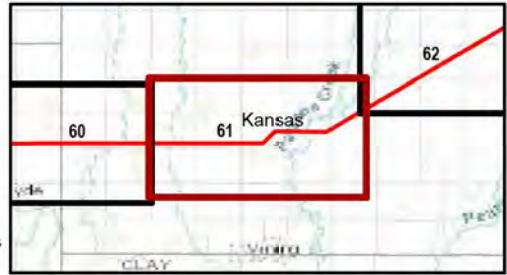
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 61 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- Center Pivot Irrigation Area
- 100-year FEMA Floodplain
- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area

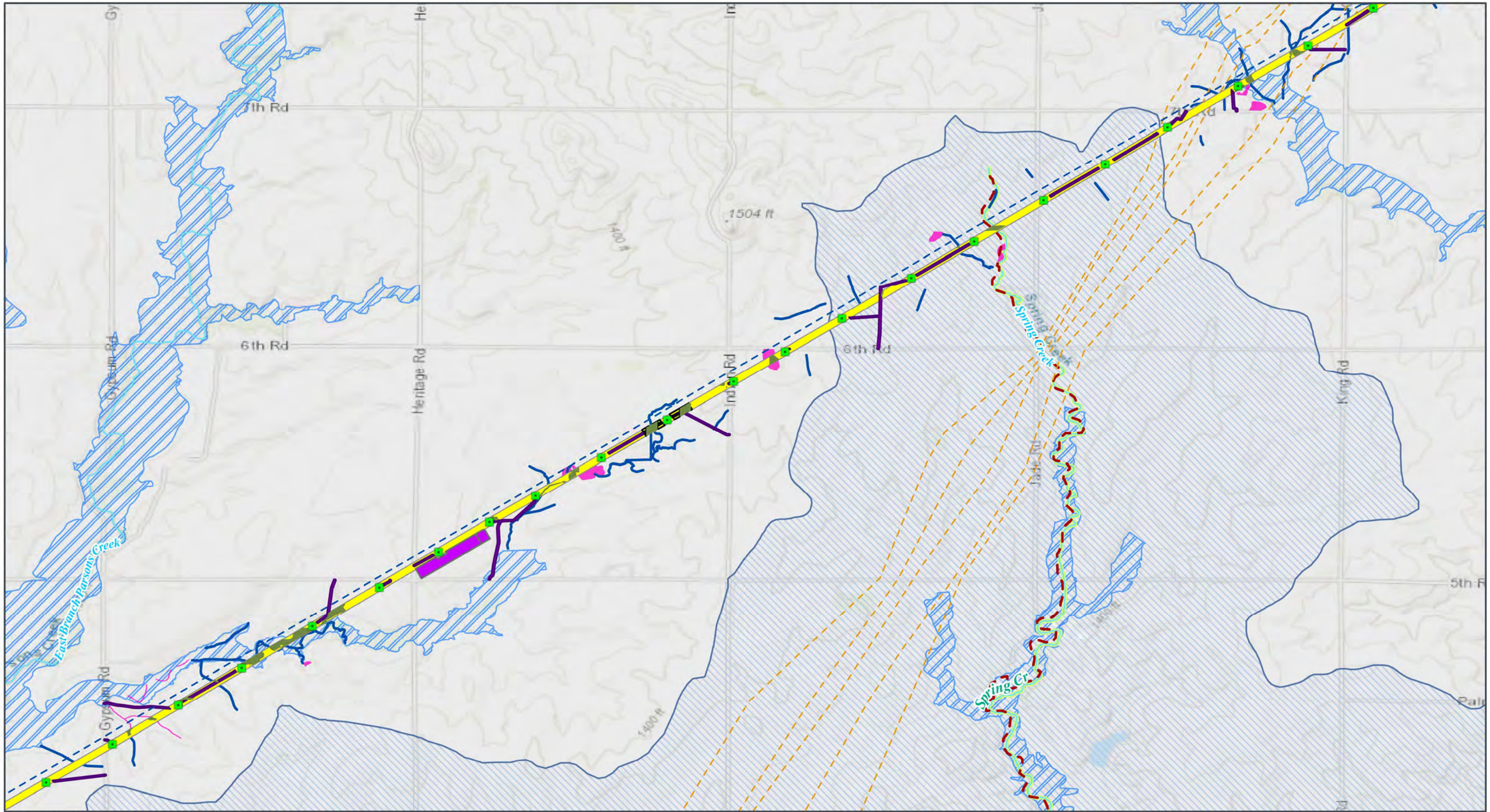


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 62 of 127

- |                        |                                      |                                  |                                       |
|------------------------|--------------------------------------|----------------------------------|---------------------------------------|
| Transmission Structure | ROW                                  | <b>Surface Management Agency</b> | Impaired Waterway (303d)              |
| Habitat Conversion     | Transmission Lines (115kV or Higher) | Private or Unknown               | KDHE Special Status Stream            |
| Access Road            | Existing Pipeline                    | <b>Hydrology</b>                 | 100-year FEMA Floodplain              |
| Helipad / Fly Yard     | County Boundary                      | Delineated Stream                | <b>Sensitive Biological Resources</b> |
| Pull Site/Tension Site | State Boundary                       | Delineated Wetland               | Kansas Aquatic Ecological Focus Area  |
|                        |                                      | NHD Stream/River                 |                                       |

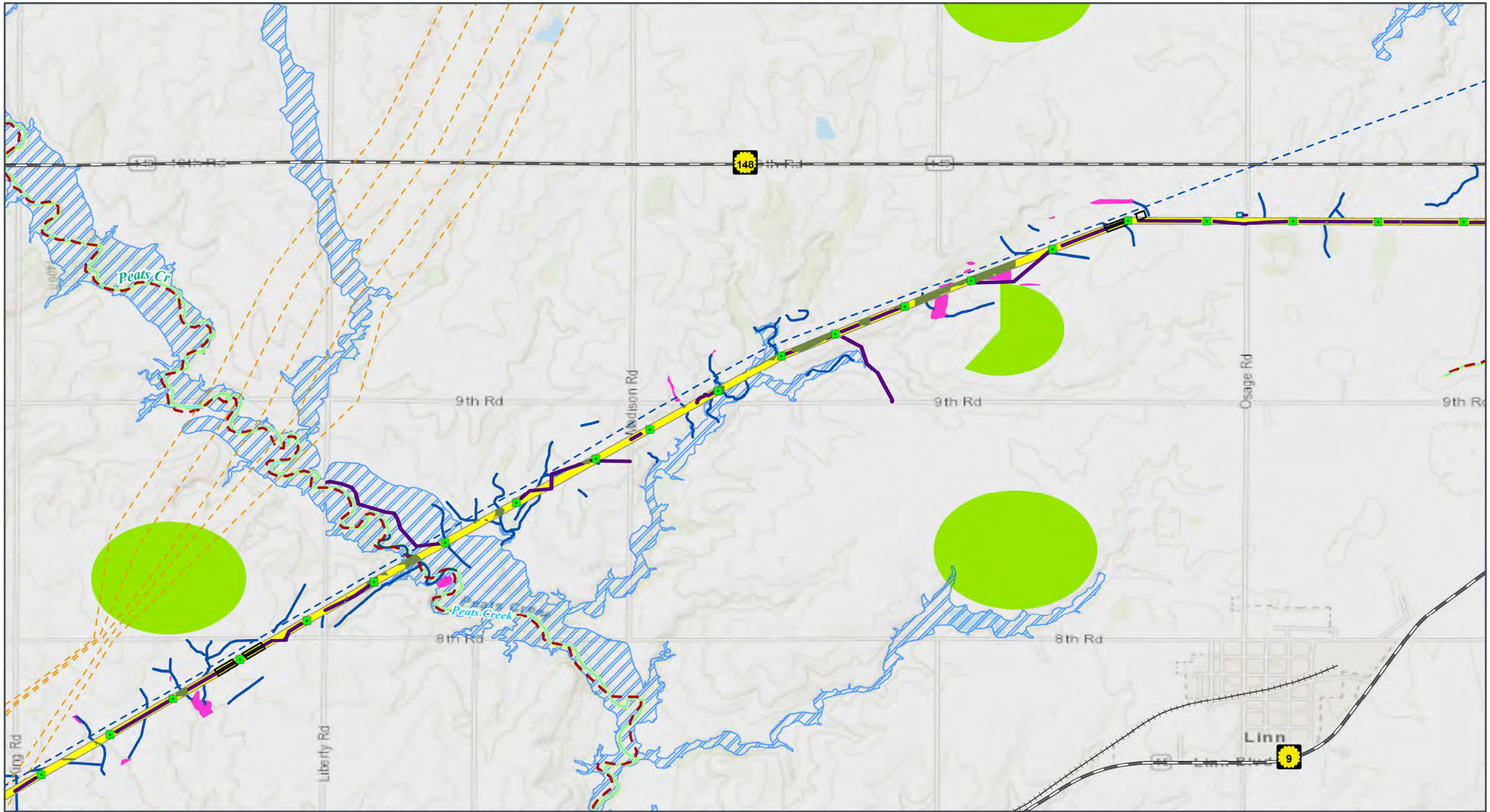


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                        |                                      |                                  |                              |
|------------------------|--------------------------------------|----------------------------------|------------------------------|
| Transmission Structure | ROW                                  | <b>Surface Management Agency</b> | KDHE Special Status Stream   |
| Habitat Conversion     | Transmission Lines (115kV or Higher) | Private or Unknown               | Center Pivot Irrigation Area |
| Access Road            | Existing Pipeline                    | <b>Hydrology</b>                 | 100-year FEMA Floodplain     |
| Optical Regeneration   | County Boundary                      | Delineated Stream                | <b>Transportation</b>        |
| OPGW Access            | State Boundary                       | Delineated Wetland               | State Highway                |
| Pull Site/Tension Site |                                      | NHD Stream/River                 | Railroad                     |
|                        |                                      | Impaired Waterway (303d)         |                              |

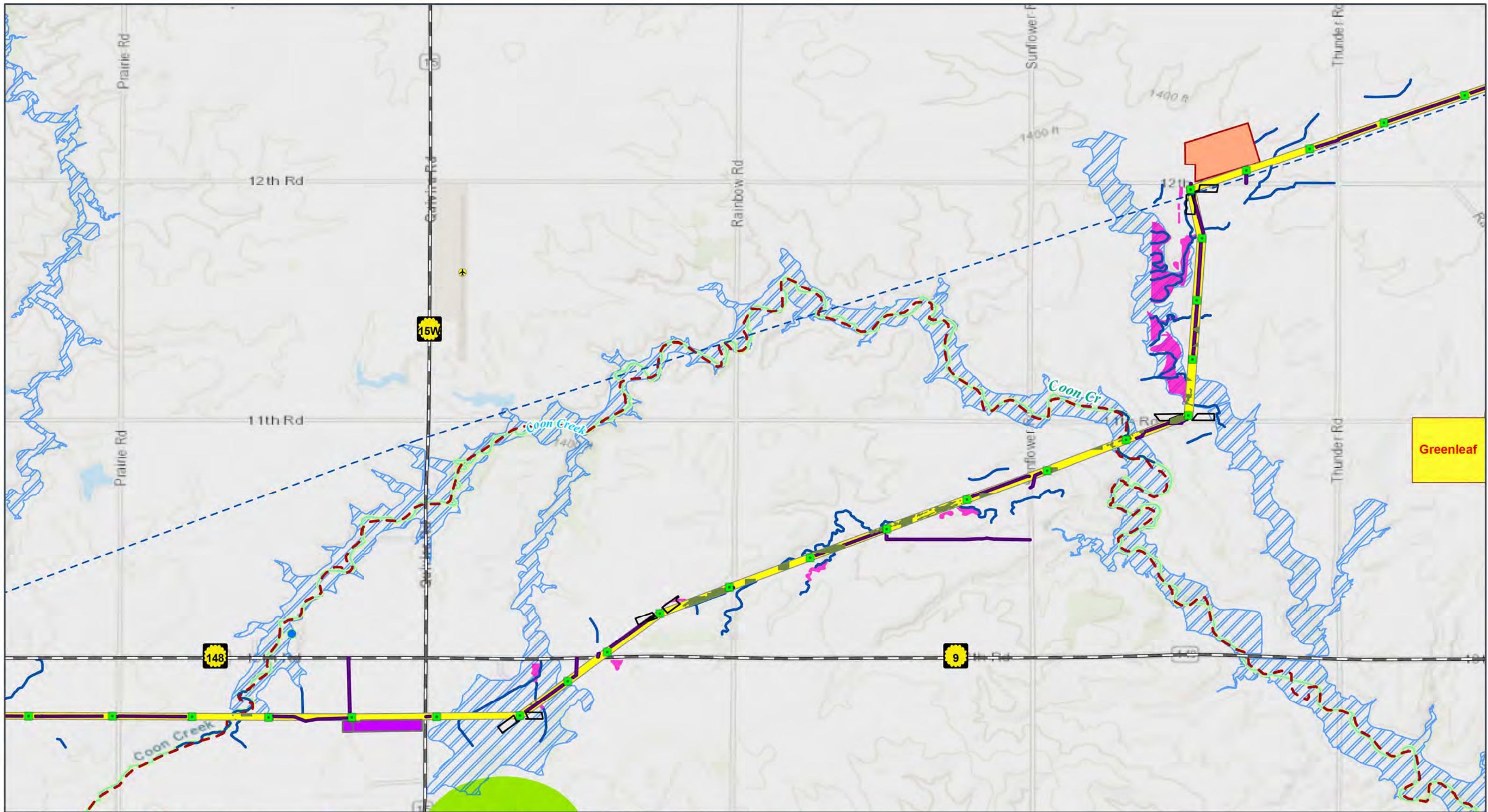
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 64 of 127



- |   |  |  |   |
|---|--|--|---|
| <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Transmission Structure</li> <li><span style="color: brown;">■</span> Habitat Conversion</li> <li><span style="color: orange;">■</span> Laydown Yard</li> <li><span style="color: purple;">■</span> Access Road</li> <li><span style="color: magenta;">■</span> Helipad / Fly Yard</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pull Site/Tension Site</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Existing Wind Turbine</li> <li><span style="color: blue;">---</span> Transmission Lines (115kV or Higher)</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> <li><span style="border: 2px solid black; display: inline-block; width: 10px; height: 10px;"></span> State Boundary</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Municipal Boundary Near the Project</li> </ul> | <p><b>Surface Management Agency</b></p> <ul style="list-style-type: none"> <li><span style="background-color: lightgrey; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Private or Unknown</li> </ul> <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Delineated Stream</li> <li><span style="color: magenta;">—</span> Delineated Wetland</li> <li><span style="color: cyan;">—</span> NHD Stream/River</li> <li><span style="color: red;">- - -</span> Impaired Waterway (303d)</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">—</span> KDHE Special Status Stream</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Center Pivot Irrigation Area</li> <li><span style="border: 1px dashed blue; display: inline-block; width: 10px; height: 10px;"></span> 100-year FEMA Floodplain</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; display: inline-block; width: 10px;"></span> State Highway</li> <li><span style="color: black;">✈</span> Airport/Heliport</li> </ul> |
|---|--|--|---|

NOTE: In some instances, center pivots appear as ovals due to map projection.

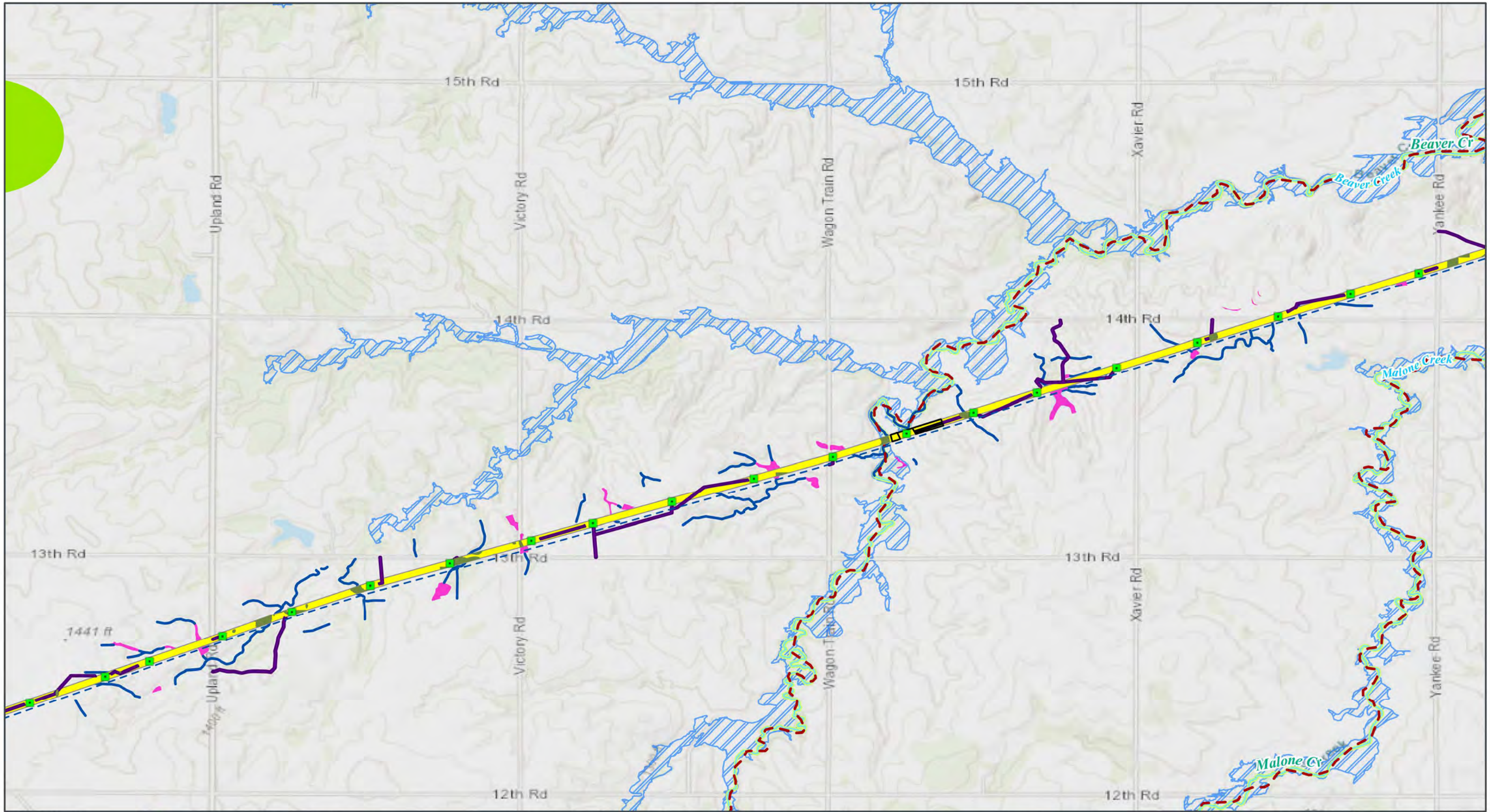


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

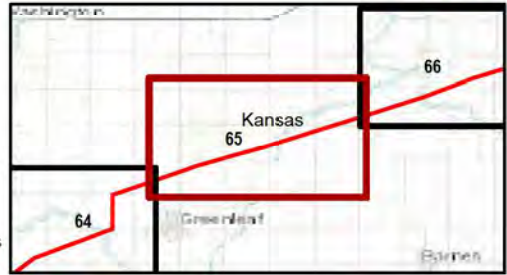
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
App: DEIS\_MapBook\_24k





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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- |                                      |                                  |                              |
|--------------------------------------|----------------------------------|------------------------------|
| Transmission Structure               | County Boundary                  | NHD Stream/River             |
| Habitat Conversion                   | State Boundary                   | Impaired Waterway (303d)     |
| Access Road                          | <b>Surface Management Agency</b> | KDHE Special Status Stream   |
| Pull Site/Tension Site               | Private or Unknown               | Center Pivot Irrigation Area |
| ROW                                  | <b>Hydrology</b>                 | 100-year FEMA Floodplain     |
| Transmission Lines (115kV or Higher) | Delineated Stream                |                              |
|                                      | Delineated Wetland               |                              |

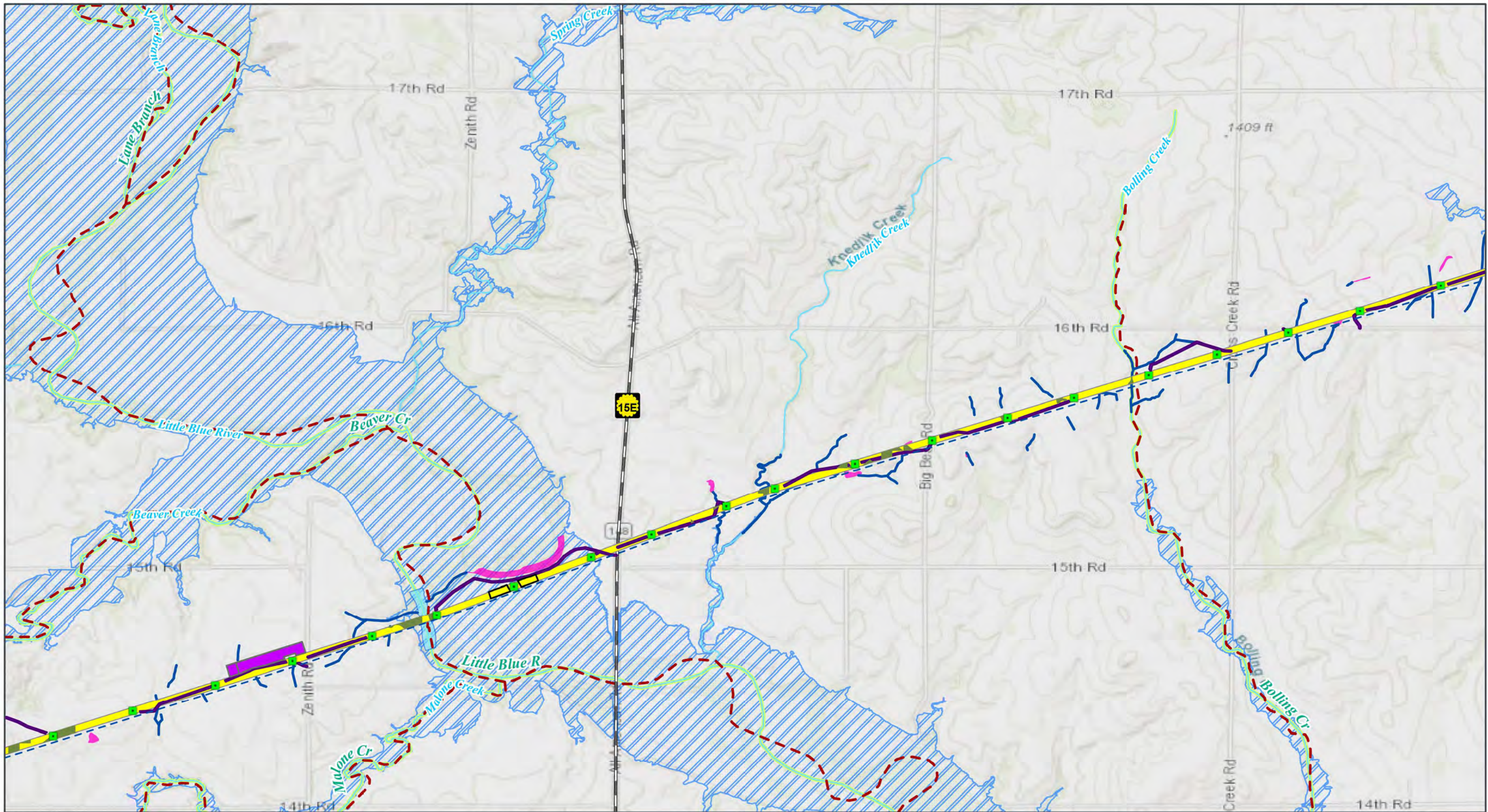


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
App: DEIS\_MapBook\_24k



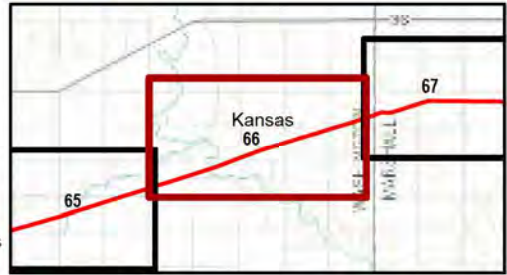
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 66 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site

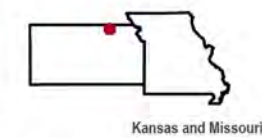
- ROW
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary

- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody

- Transportation**
- NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream
  - 100-year FEMA Floodplain
  - State Highway



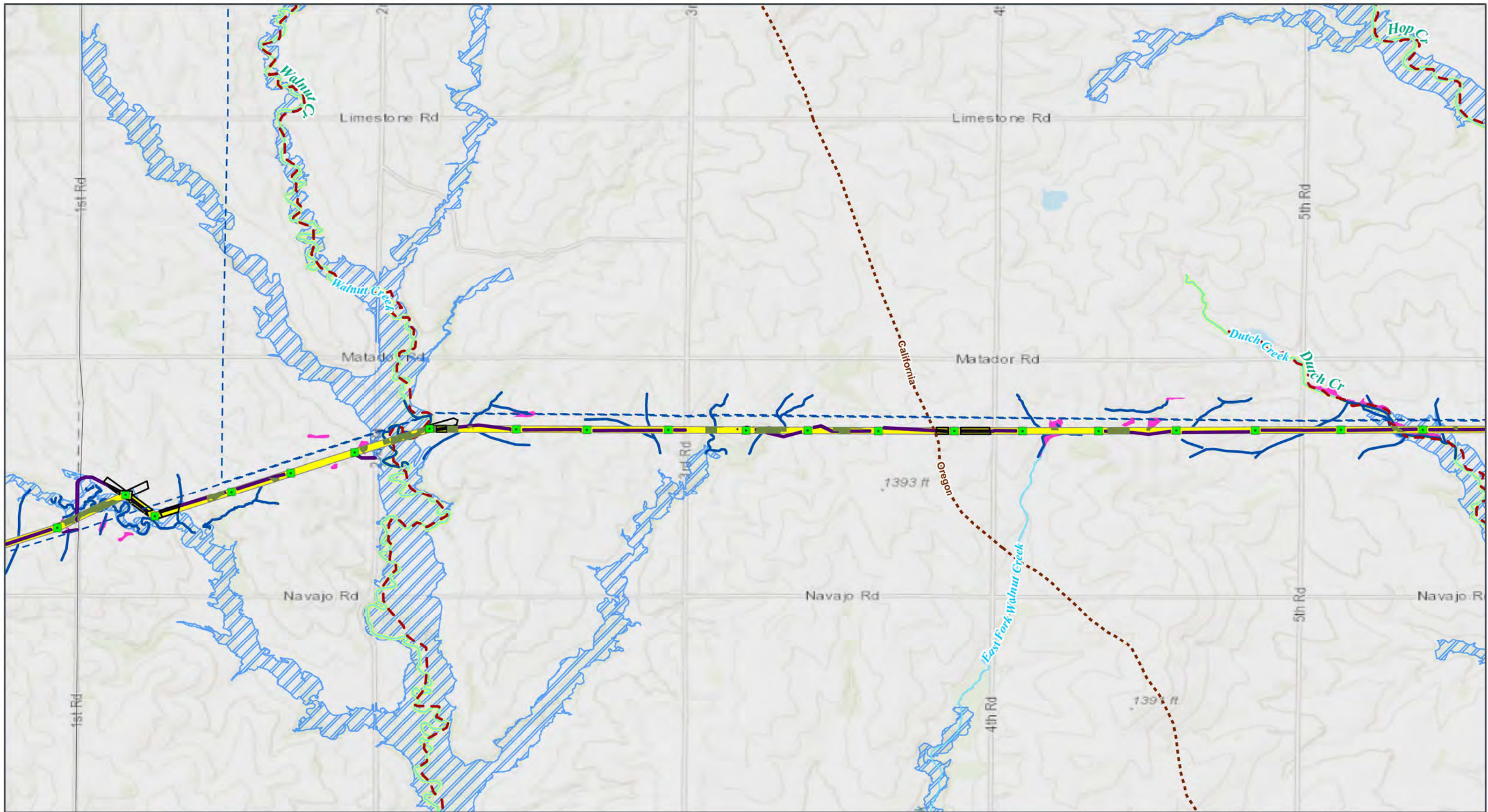
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



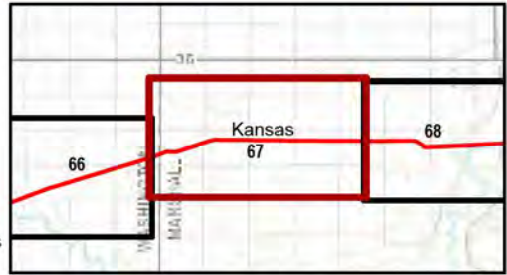
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 67 of 127



- |                                      |                                  |                                      |
|--------------------------------------|----------------------------------|--------------------------------------|
| Transmission Structure               | County Boundary                  | NHD Stream/River                     |
| Habitat Conversion                   | State Boundary                   | Impaired Waterway (303d)             |
| Access Road                          | <b>Surface Management Agency</b> | KDHE Special Status Stream           |
| Pull Site/Tension Site               | Private or Unknown               | 100-year FEMA Floodplain             |
| ROW                                  | <b>Hydrology</b>                 | <b>Cultural and Scenic Resources</b> |
| Transmission Lines (115kV or Higher) | Delineated Stream                | National Historic Trail              |
|                                      | Delineated Wetland               |                                      |

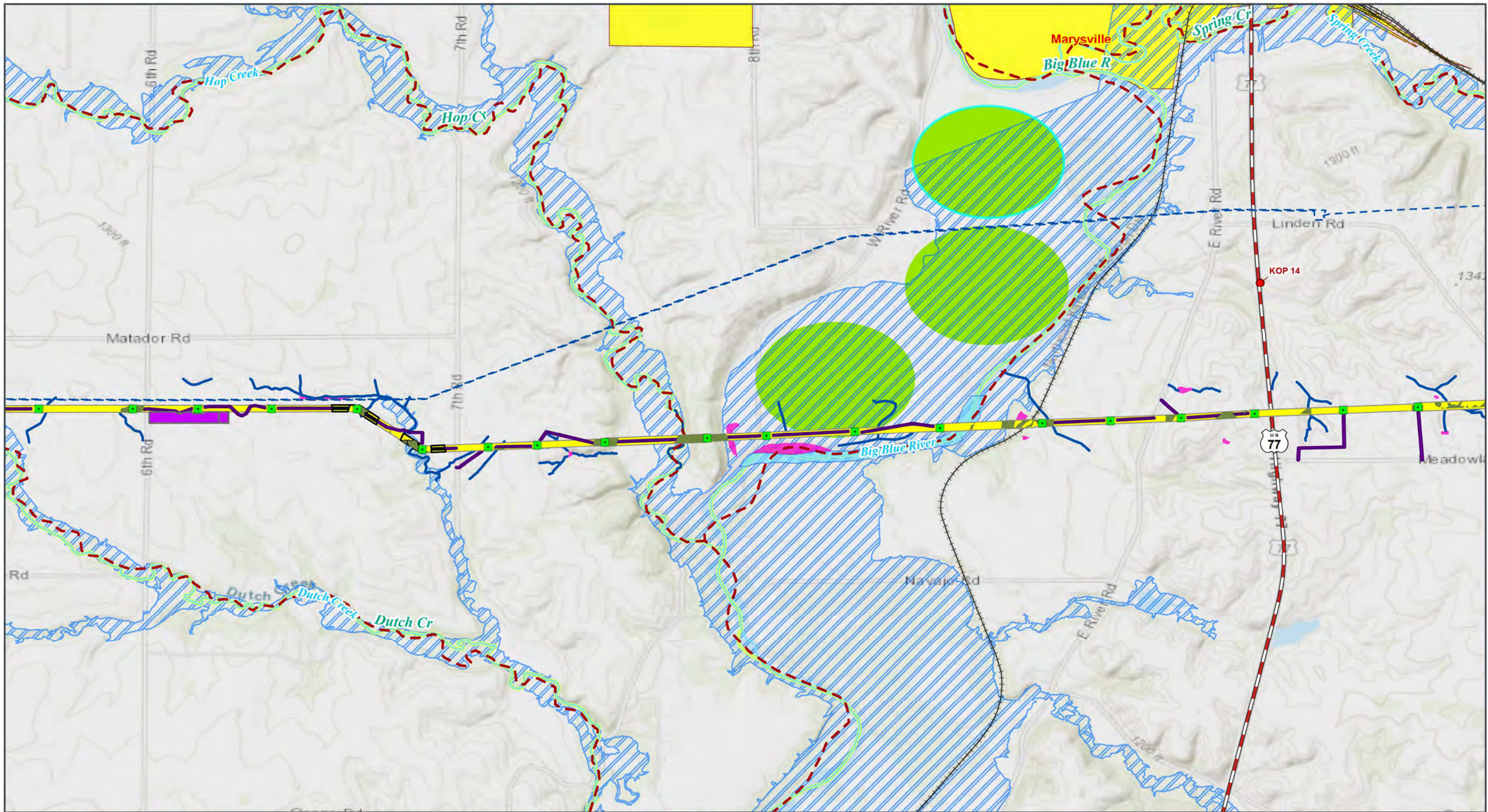


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

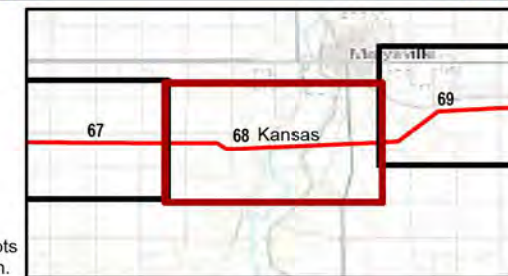


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT

**Resource Map Book**

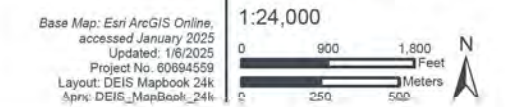
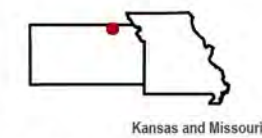
Map 68 of 127

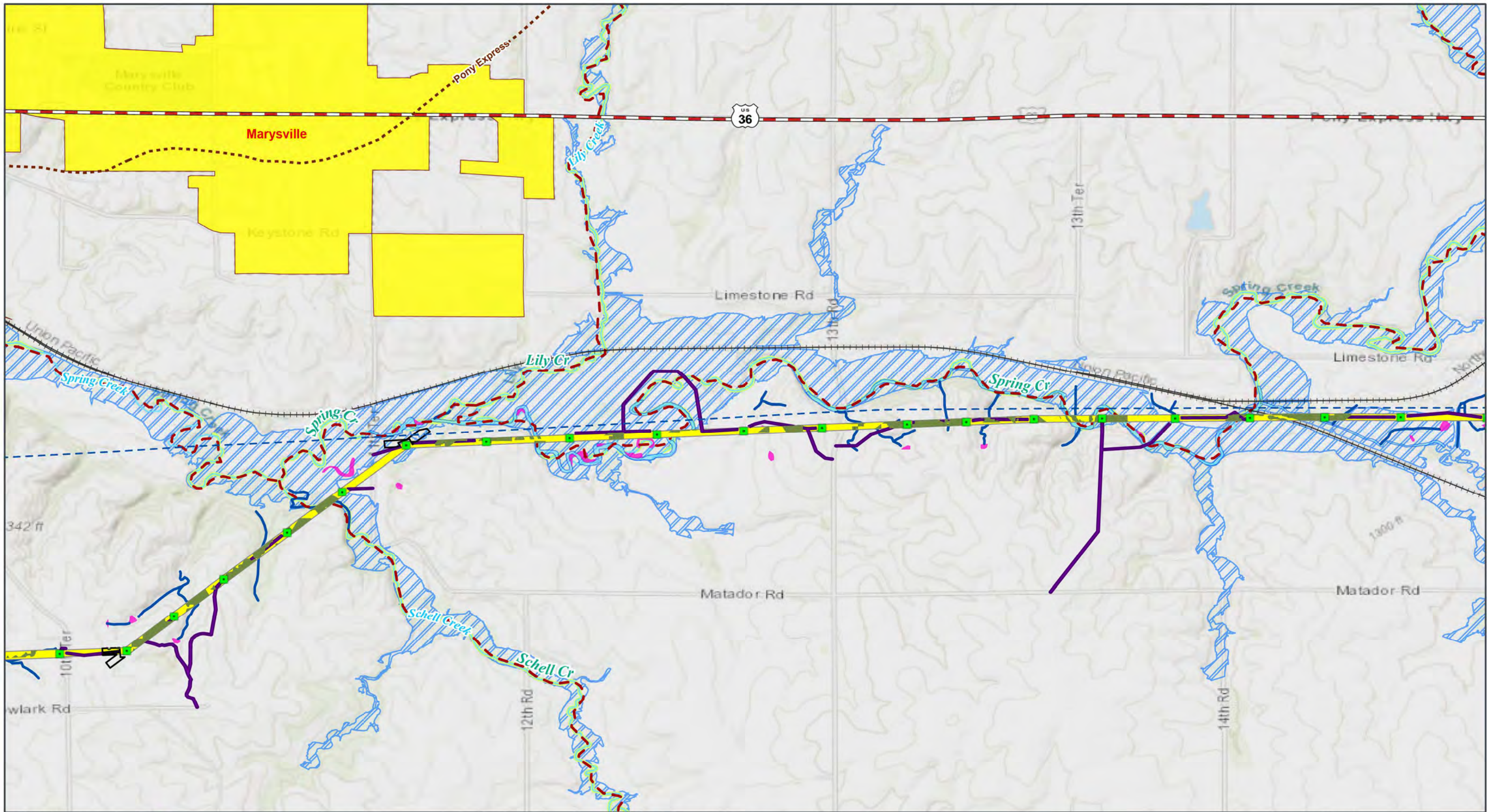
- |  |   |   |  |
|--|---|---|--|
| <ul style="list-style-type: none"> <li> Transmission Structure</li> <li> Habitat Conversion</li> <li> Access Road</li> <li> Helipad / Fly Yard</li> <li> Pull Site/Tension Site</li> <li> ROW</li> </ul> | <ul style="list-style-type: none"> <li> Transmission Lines (115kV or Higher)</li> <li> County Boundary</li> <li> State Boundary</li> <li> Municipal Boundary Near the Project</li> <li><b>Surface Management Agency</b></li> <li> Private or Unknown</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li> Delineated Stream</li> <li> Delineated Wetland</li> <li> Delineated Waterbody</li> <li> NHD Stream/River</li> <li> Impaired Waterway (303d)</li> <li> KDHE Special Status Stream</li> </ul> | <ul style="list-style-type: none"> <li> Center Pivot Irrigation Area</li> <li> 100-year FEMA Floodplain</li> </ul> <p><b>Cultural and Scenic Resources</b></p> <ul style="list-style-type: none"> <li> Key Observation Point (KOP) Location</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li> U.S. Highway</li> <li> Railroad</li> </ul> |
|--|---|---|--|



NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 69 of 127

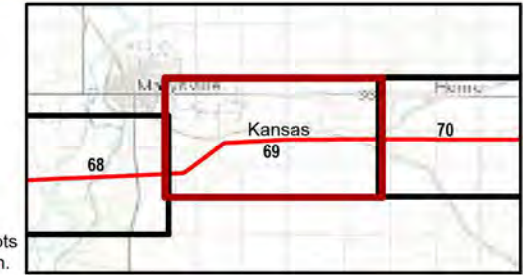


- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency  
Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream

- 100-year FEMA Floodplain
- National Historic Trail
- Cultural and Scenic Resources**
- U.S. Highway
- Railroad

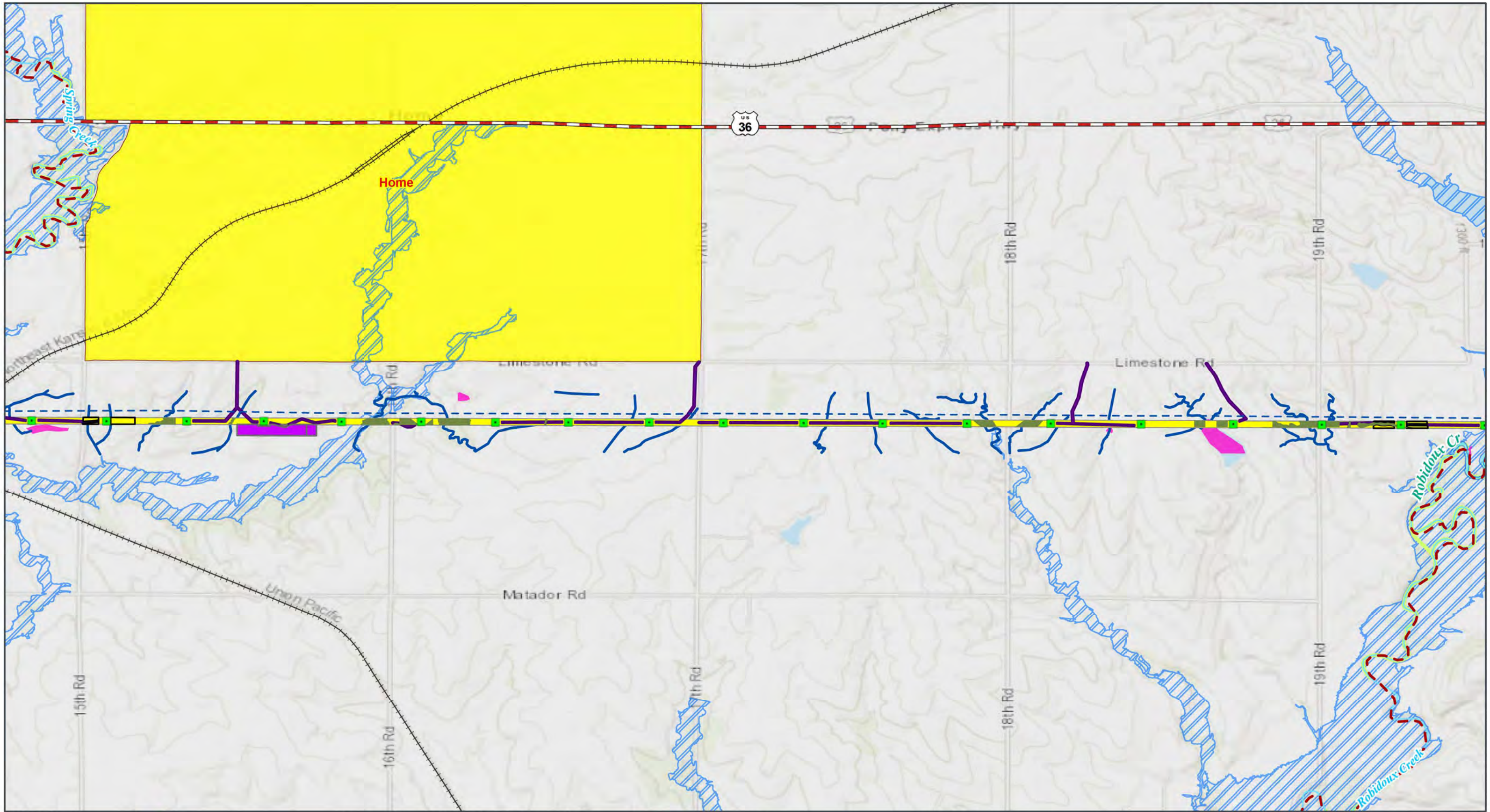


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

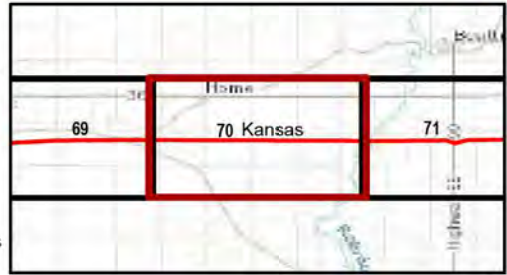
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 70 of 127

- |  |   |  |   |
|--|---|--|---|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> Transmission Structure</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Habitat Conversion</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: magenta; border: 1px solid black; margin-right: 5px;"></span> Access Road</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Helipad / Fly Yard</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pull Site/Tension Site</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed blue; margin-right: 5px;"></span> Transmission Lines (115kV or Higher)</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> County Boundary</li> <li><span style="display: inline-block; width: 10px; border-bottom: 2px solid black; margin-right: 5px;"></span> State Boundary</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Municipal Boundary Near the Project</li> </ul> | <p><b>Surface Management Agency</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-right: 5px;"></span> Private or Unknown</li> </ul> <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border: 1px solid black; margin-right: 5px;"></span> Delineated Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: magenta; border: 1px solid black; margin-right: 5px;"></span> Delineated Wetland</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> Delineated Waterbody</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> NHD Stream/River</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed red; margin-right: 5px;"></span> Impaired Waterway (303d)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> KDHE Special Status Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> 100-year FEMA Floodplain</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid red; margin-right: 5px;"></span> U.S. Highway</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> Railroad</li> </ul> |
|--|---|--|---|



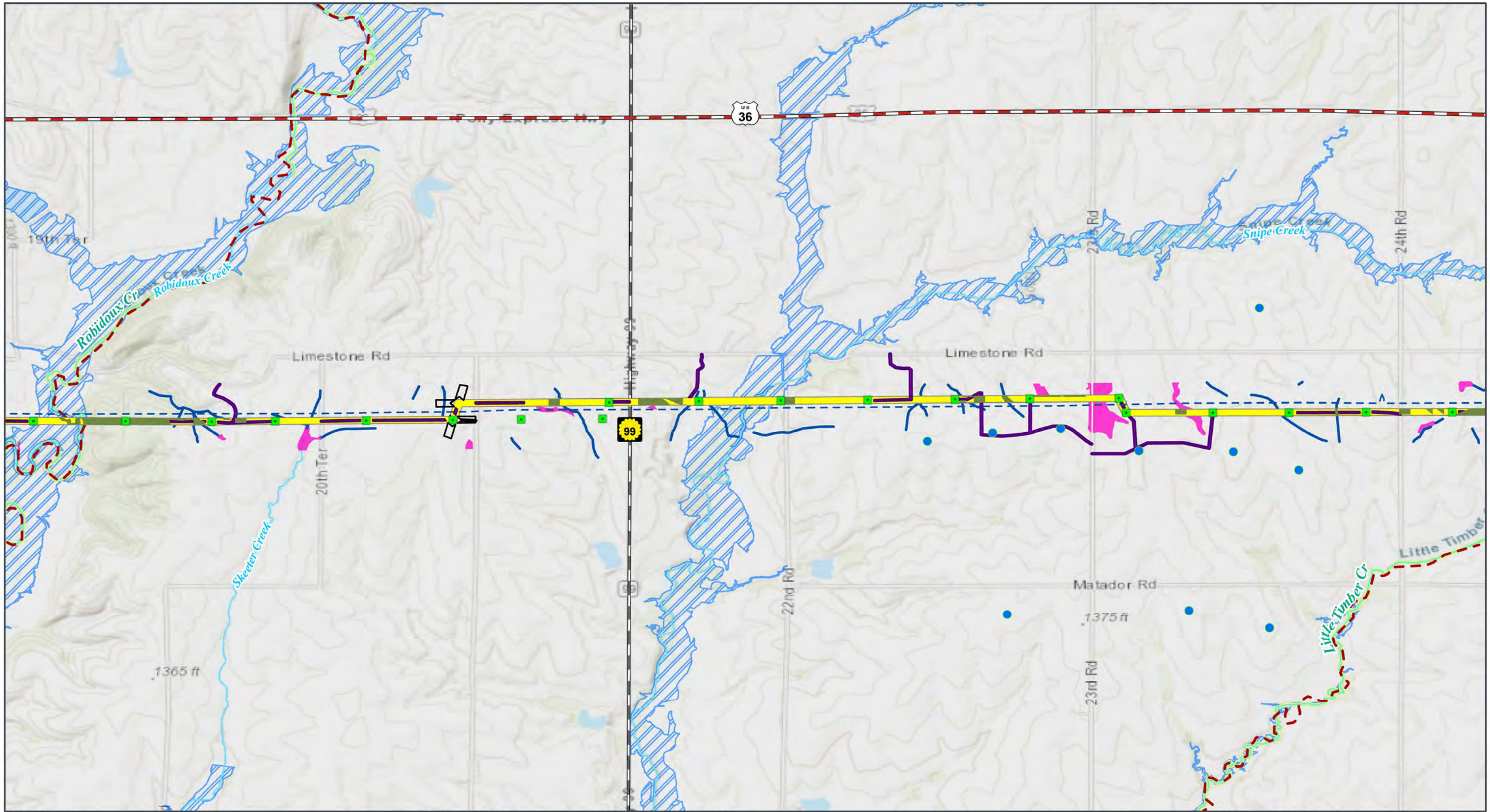
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
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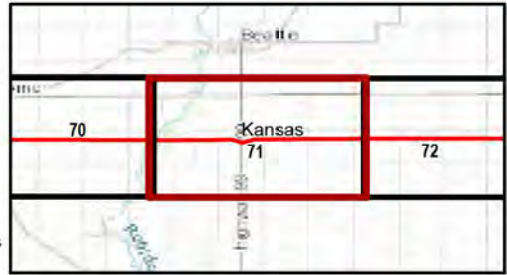


- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Existing Wind Turbine

- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - Delineated Waterbody
  - NHD Stream/River
  - Impaired Waterway (303d)

- KDHE Special Status Stream
  - 100-year FEMA Floodplain
- Transportation**
- U.S. Highway
  - State Highway

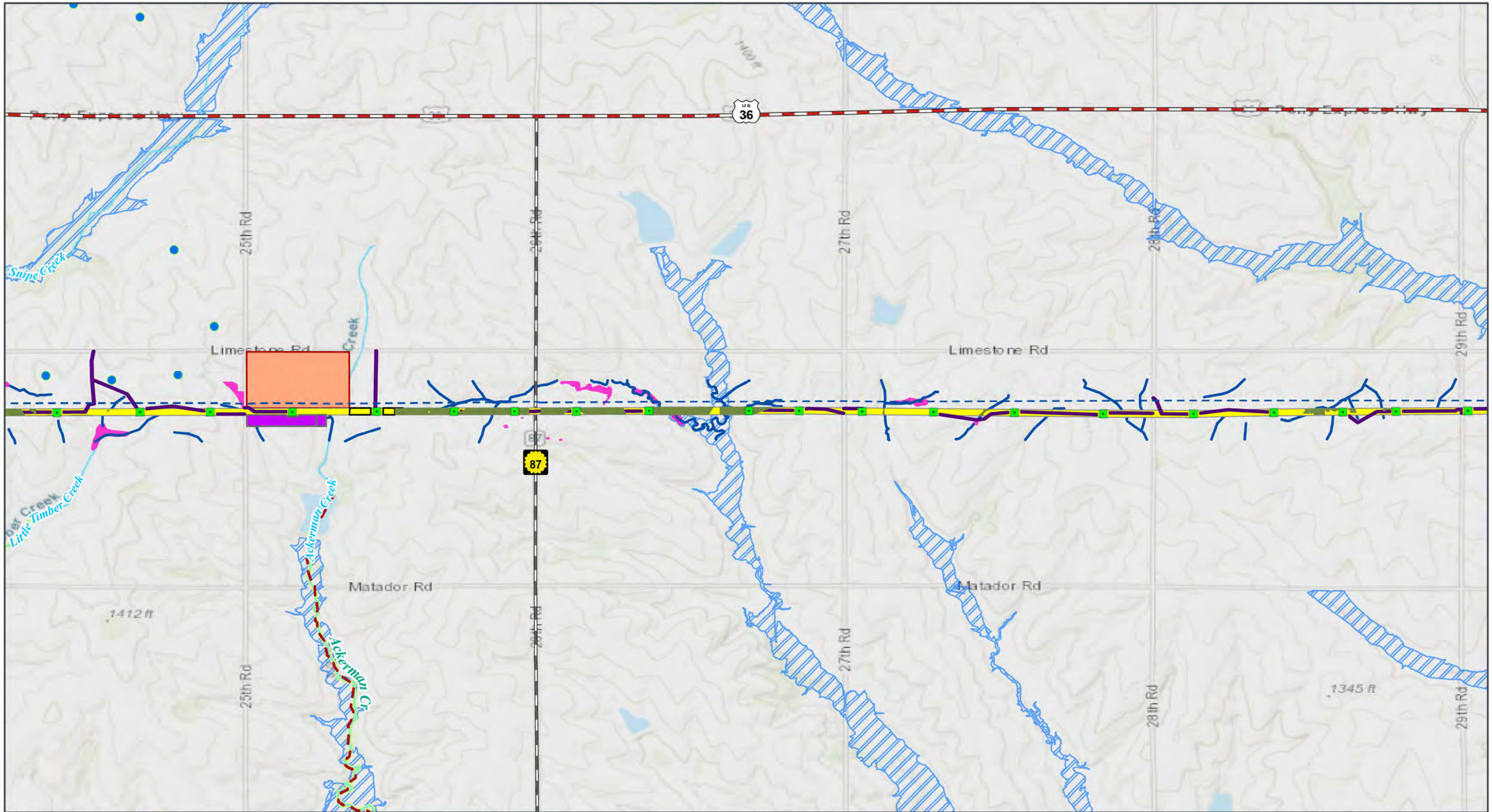


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.

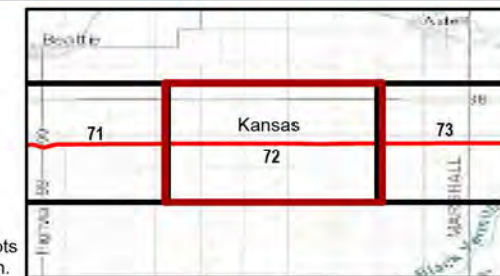


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT

**Resource Map Book**

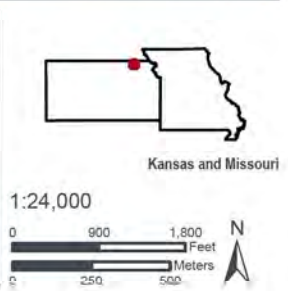
Map 72 of 127

- |                        |                                      |                                  |                            |
|------------------------|--------------------------------------|----------------------------------|----------------------------|
| Transmission Structure | ROW                                  | <b>Surface Management Agency</b> | Impaired Waterway (303d)   |
| Habitat Conversion     | Existing Wind Turbine                | Private or Unknown               | KDHE Special Status Stream |
| Laydown Yard           | Transmission Lines (115kV or Higher) | <b>Hydrology</b>                 | 100-year FEMA Floodplain   |
| Access Road            | County Boundary                      | Delineated Stream                | <b>Transportation</b>      |
| Helipad / Fly Yard     | State Boundary                       | Delineated Wetland               | U.S. Highway               |
| Pull Site/Tension Site |                                      | NHD Stream/River                 | State Highway              |



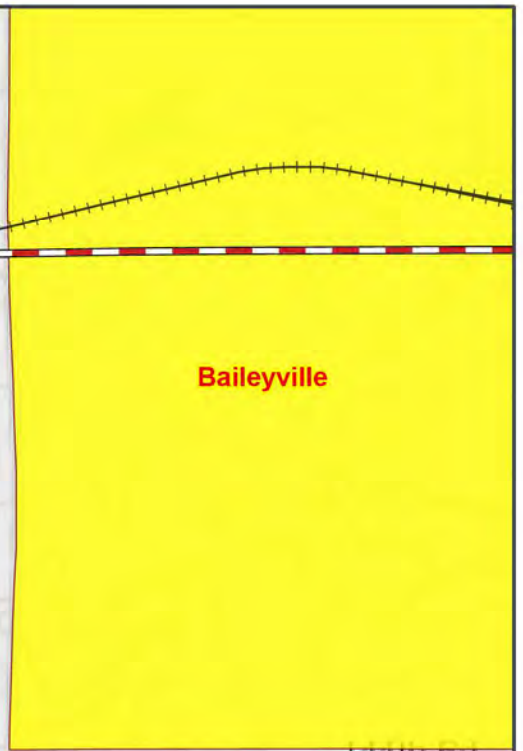
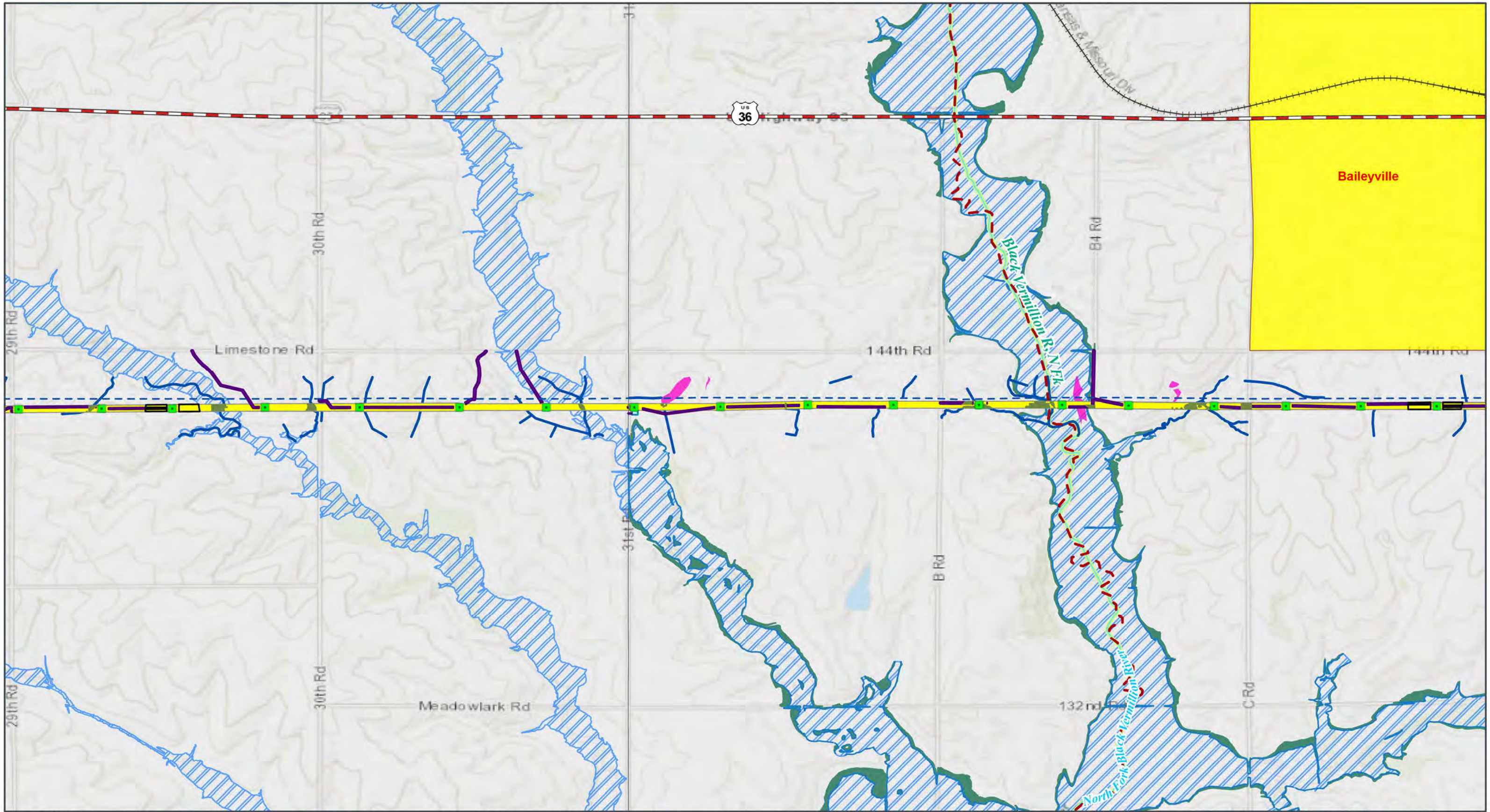
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



NOTE: In some instances, center pivots appear as ovals due to map projection.

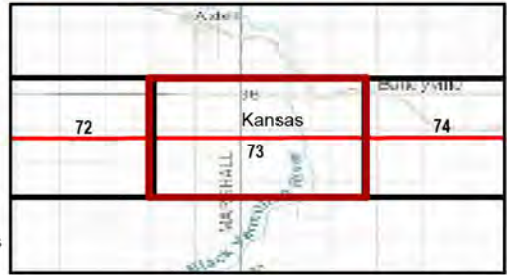




GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 73 of 127



- |  |   |  |  |
|--|---|--|--|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> Transmission Structure</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: brown; border: 1px solid black; margin-right: 5px;"></span> Habitat Conversion</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Access Road</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: cyan; border: 1px solid black; margin-right: 5px;"></span> Optical Regeneration</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> OPGW Access</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pull Site/Tension Site</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> ROW</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px dashed blue; margin-right: 5px;"></span> Transmission Lines (115kV or Higher)</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid gray; margin-right: 5px;"></span> County Boundary</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> State Boundary</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Municipal Boundary Near the Project</li> </ul> | <p><b>Surface Management Agency</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgray; border: 1px solid gray; margin-right: 5px;"></span> Private or Unknown</li> </ul> <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px solid blue; margin-right: 5px;"></span> Delineated Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> Delineated Wetland</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px solid cyan; margin-right: 5px;"></span> NHD Stream/River</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px dashed red; margin-right: 5px;"></span> Impaired Waterway (303d)</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid green; margin-right: 5px;"></span> KDHE Special Status Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; margin-right: 5px;"></span> 100-year FEMA Floodplain</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid green; margin-right: 5px;"></span> 500-year FEMA Floodplain</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px solid red; margin-right: 5px;"></span> U.S. Highway</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px dashed black; margin-right: 5px;"></span> Railroad</li> </ul> |
|--|---|--|--|

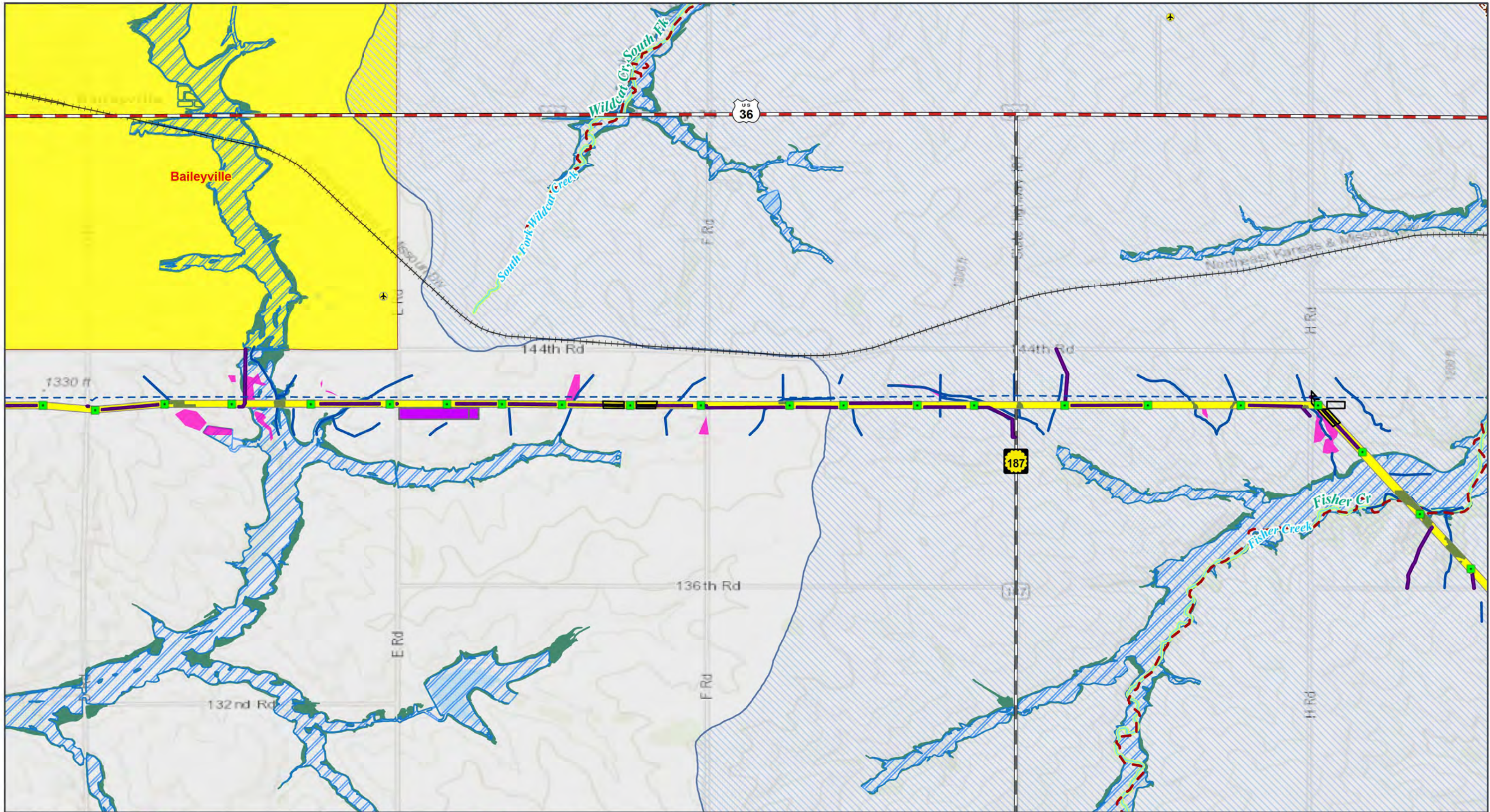


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
Spre: DEIS\_MapBook\_24k

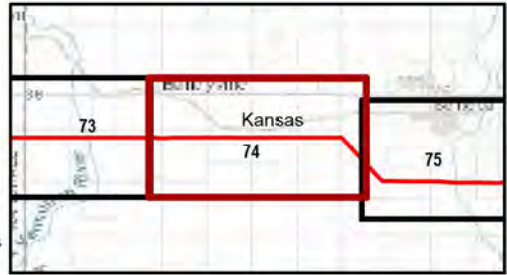
NOTE: In some instances, center pivots appear as ovals due to map projection.



- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency**
  - Private or Unknown
- Hydrology**
  - Delineated Stream
- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- 100-year FEMA Floodplain
- 500-year FEMA Floodplain
- Sensitive Biological Resources**
  - Kansas Aquatic Ecological Focus Area

- Cultural and Scenic Resources**
  - National Historic Trail
- Transportation**
  - U.S. Highway
  - State Highway
  - Airport/Heliport
  - Railroad

NOTE: In some instances, center pivots appear as ovals due to map projection.

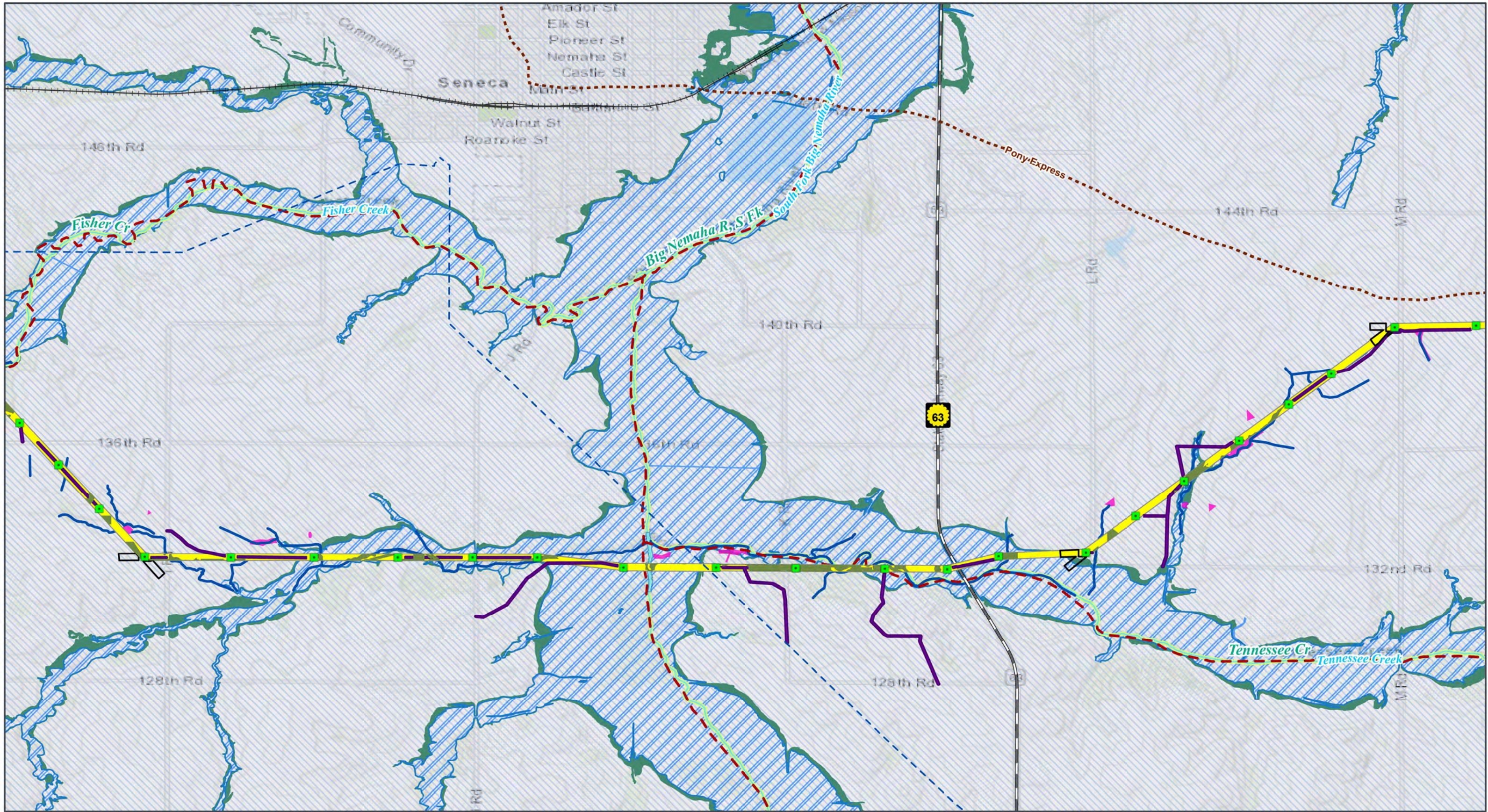


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

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Kansas and Missouri



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT

**Resource Map Book**

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- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- County Boundary
- State Boundary
- Surface Management Agency
- Private or Unknown
- Hydrology
- Delineated Stream
- Delineated Wetland

- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- 100-year FEMA Floodplain
- 500-year FEMA Floodplain

- Sensitive Biological Resources
- Kansas Aquatic Ecological Focus Area
- Cultural and Scenic Resources
- National Historic Trail
- Transportation
- State Highway
- Railroad



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Kansas and Missouri

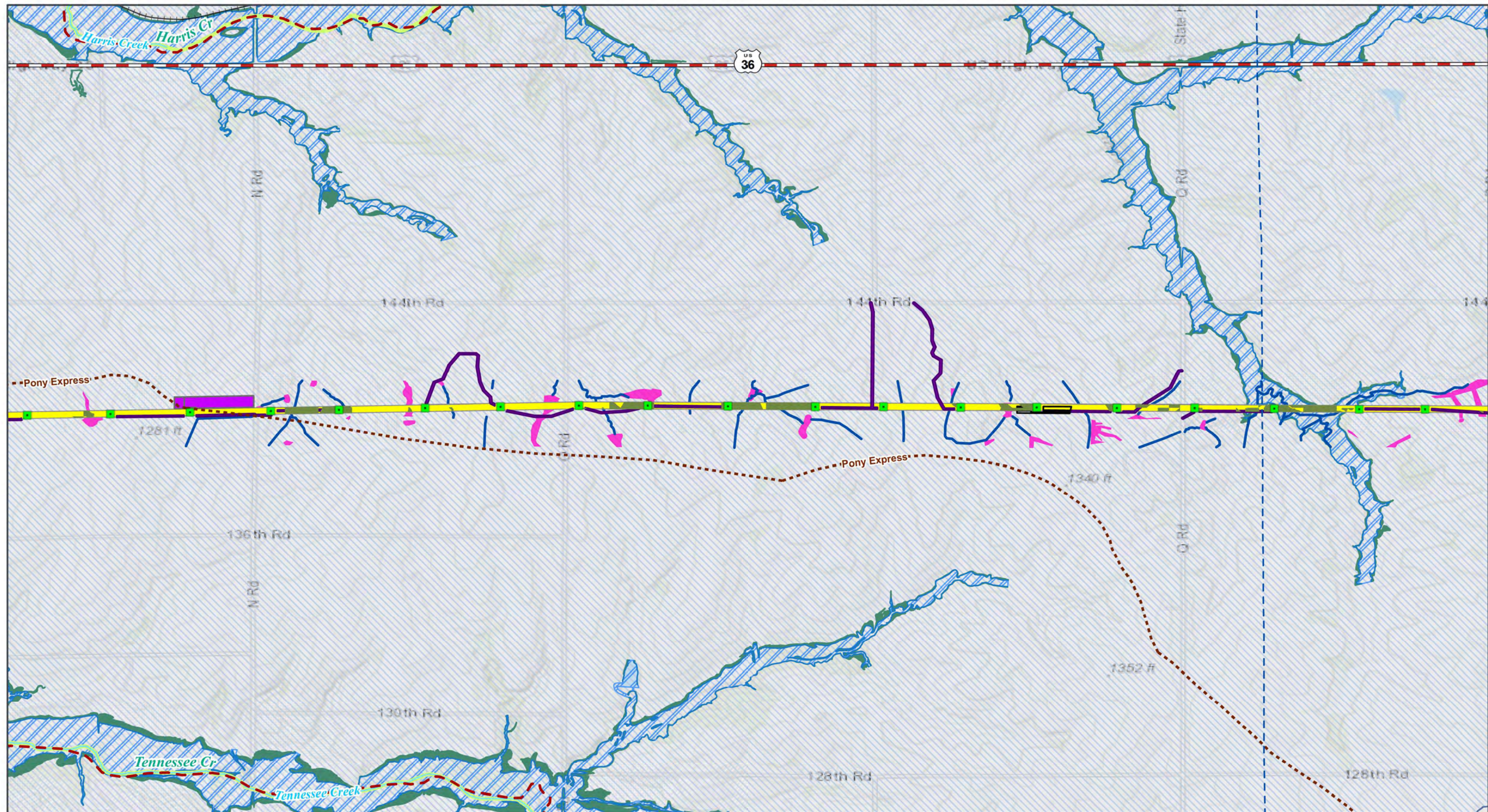
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0 900 1,800 Feet  
0 250 500 Meters

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

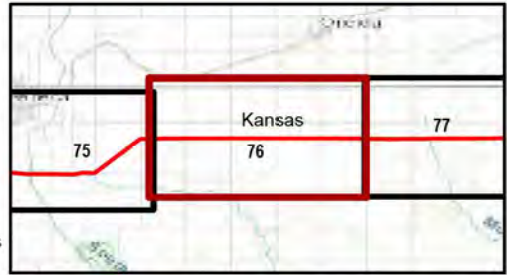
NOTE: In some instances, center pivots appear as ovals due to map projection.





<ul style="list-style-type: none"> <li>Transmission Structure</li> <li>Habitat Conversion</li> <li>Access Road</li> <li>Helipad / Fly Yard</li> <li>Pull Site/Tension Site</li> <li>ROW</li> </ul>	<ul style="list-style-type: none"> <li>Transmission Lines (115kV or Higher)</li> <li>County Boundary</li> <li>State Boundary</li> <li>Surface Management Agency</li> <li>Private or Unknown</li> <li>Hydrology</li> <li>Delineated Stream</li> </ul>	<ul style="list-style-type: none"> <li>Delineated Wetland</li> <li>NHD Stream/River</li> <li>Impaired Waterway (303d)</li> <li>KDHE Special Status Stream</li> <li>100-year FEMA Floodplain</li> <li>500-year FEMA Floodplain</li> </ul>	<p><b>Sensitive Biological Resources</b></p> <ul style="list-style-type: none"> <li>Kansas Aquatic Ecological Focus Area</li> </ul> <p><b>Cultural and Scenic Resources</b></p> <ul style="list-style-type: none"> <li>National Historic Trail</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li>U.S. Highway</li> <li>Railroad</li> </ul>
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NOTE: In some instances, center pivots appear as ovals due to map projection.



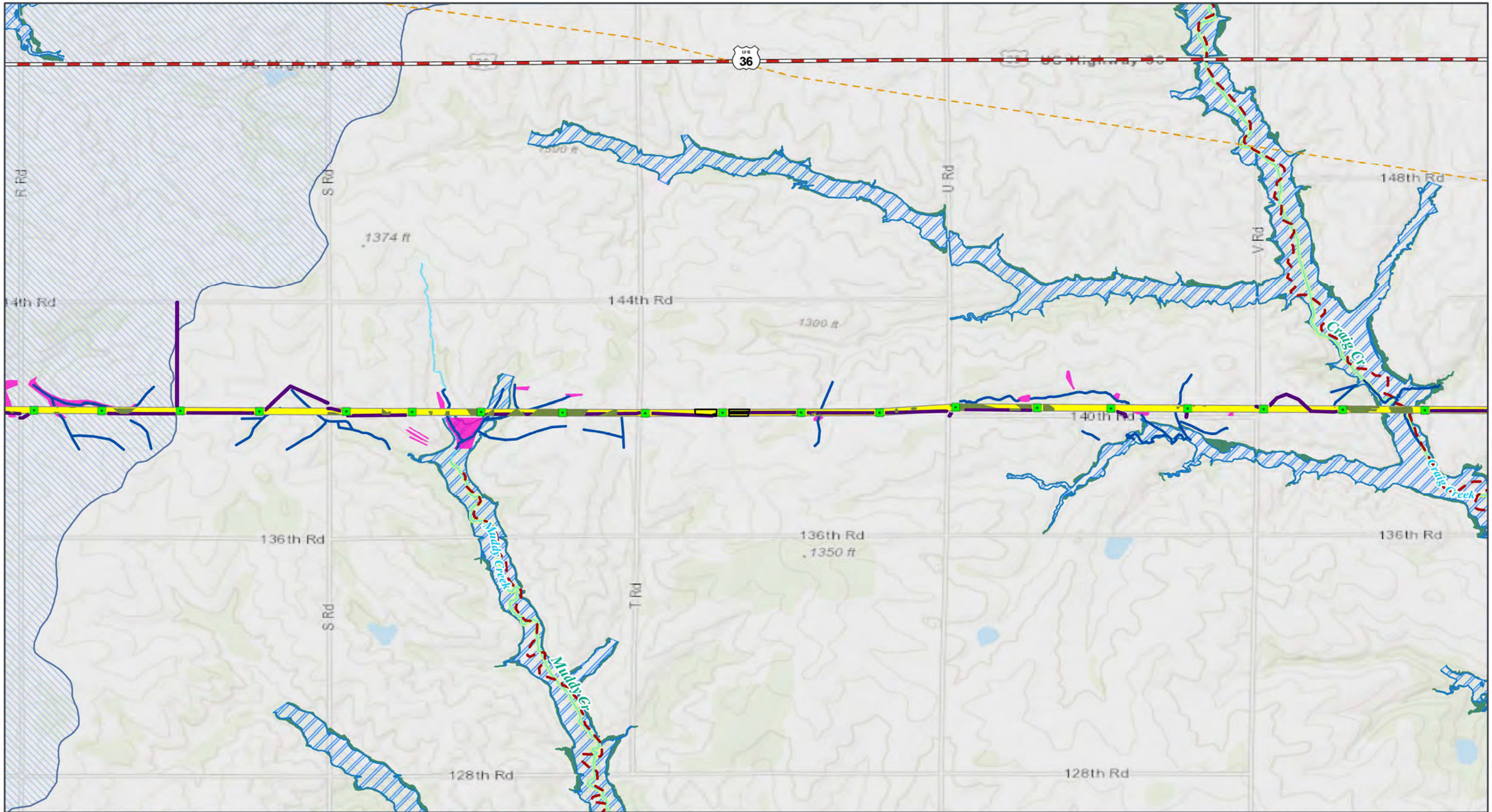
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS MapBook 24k  
Apr: DEIS\_MapBook\_24k

1:24,000

0 900 1,800 Feet  
0 250 500 Meters

Kansas and Missouri

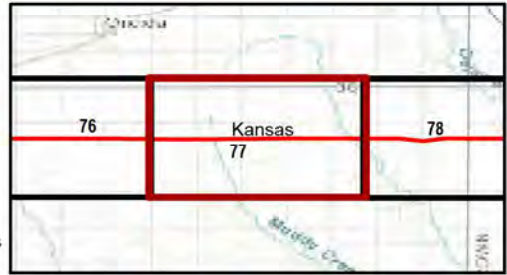


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 77 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- 100-year FEMA Floodplain
- 500-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Transportation**
- U.S. Highway

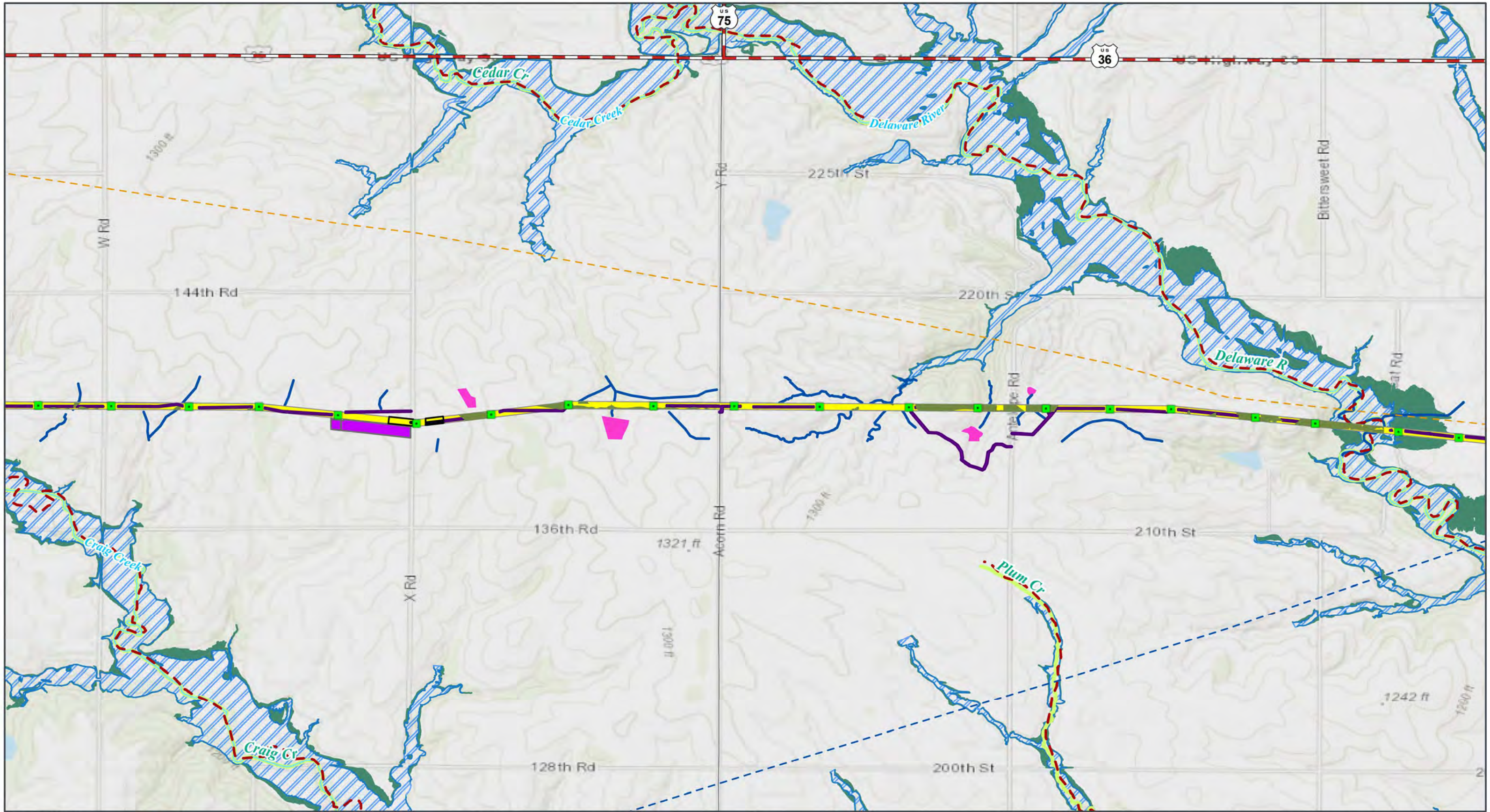


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

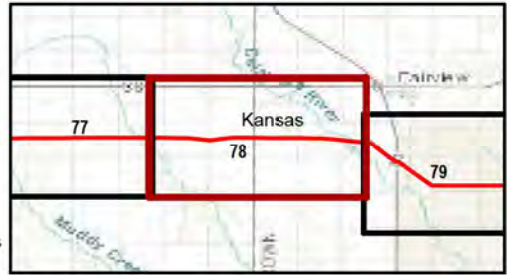
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

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GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 78 of 127

- |                        |                                      |                                  |                            |
|------------------------|--------------------------------------|----------------------------------|----------------------------|
| Transmission Structure | ROW                                  | <b>Surface Management Agency</b> | Impaired Waterway (303d)   |
| Habitat Conversion     | Transmission Lines (115kV or Higher) | Private or Unknown               | KDHE Special Status Stream |
| Access Road            | Existing Pipeline                    | <b>Hydrology</b>                 | 100-year FEMA Floodplain   |
| Helipad / Fly Yard     | County Boundary                      | Delineated Stream                | 500-year FEMA Floodplain   |
| Pull Site/Tension Site | State Boundary                       | Delineated Wetland               | <b>Transportation</b>      |
|                        |                                      | NHD Stream/River                 | U.S. Highway               |

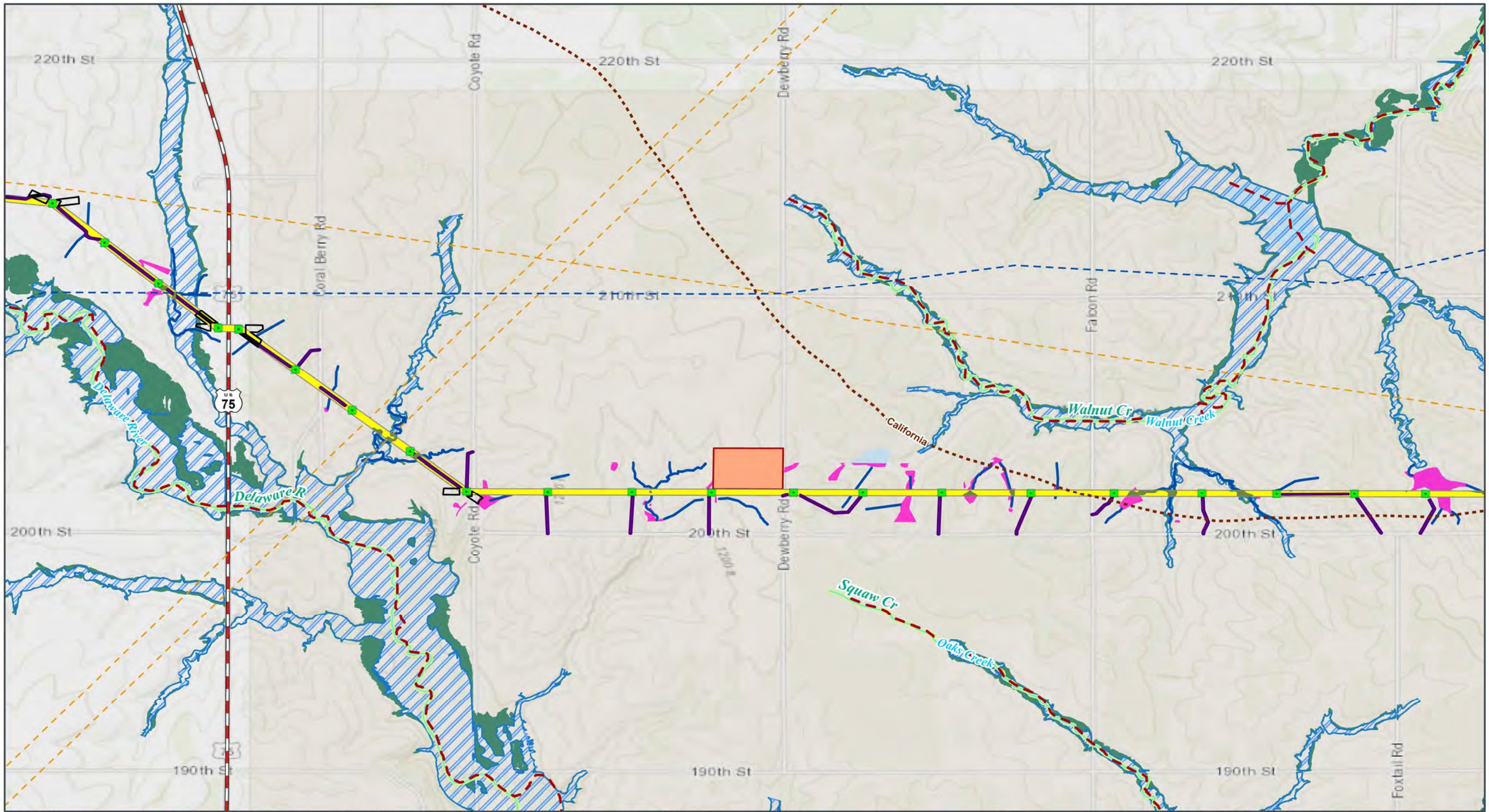


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT  
**Resource Map Book**  
 Map 79 of 127

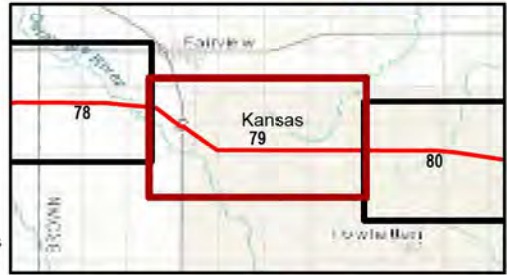


- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Pull Site/Tension Site
- ROW

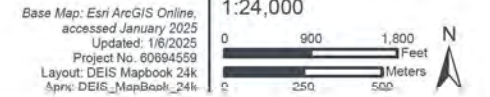
- Transmission Lines (115kV or Higher)
- - - Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency  
Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - - - Impaired Waterway (303d)
  - KDHE Special Status Stream
  - 100-year FEMA Floodplain

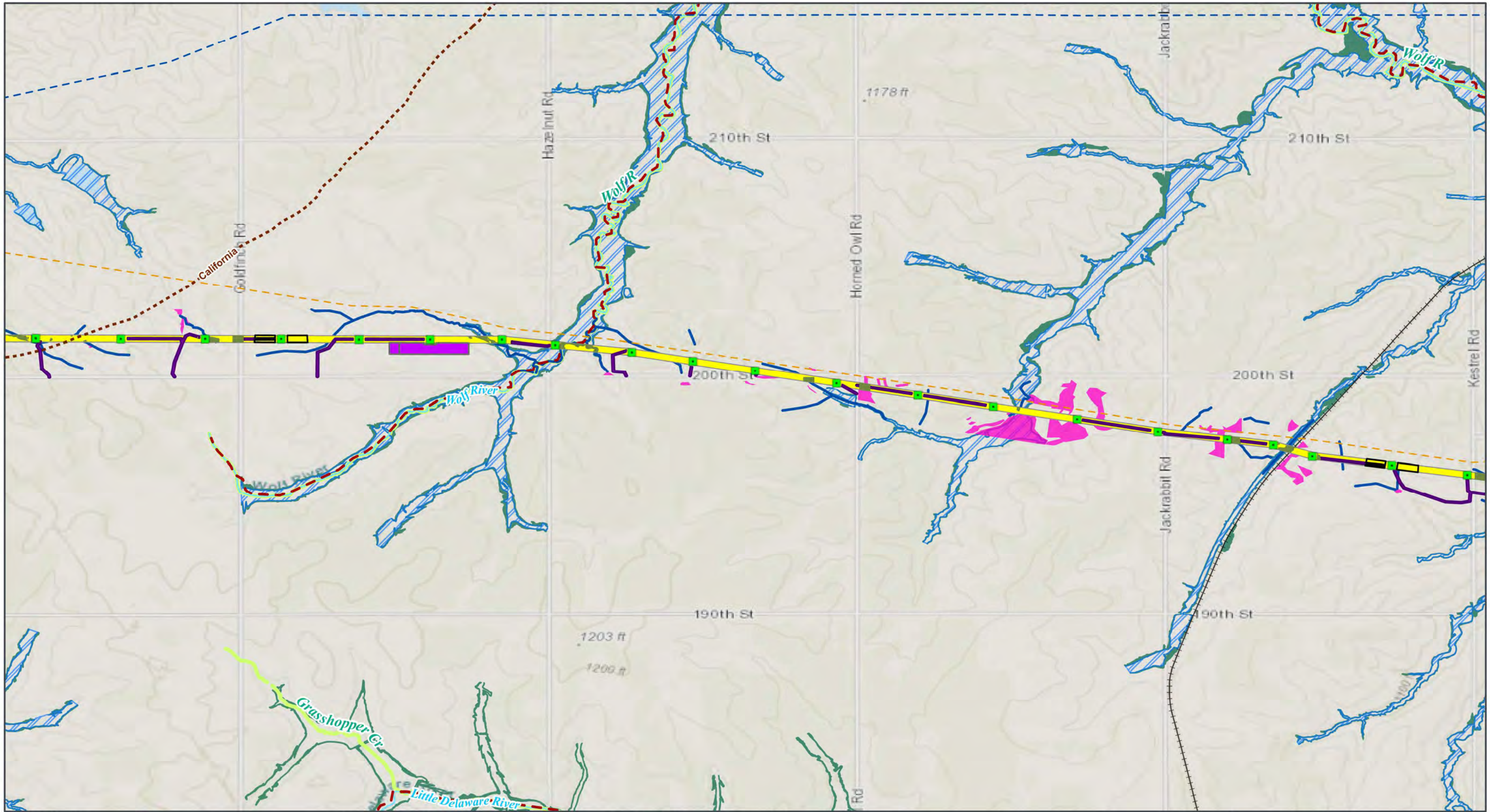
- 500-year FEMA Floodplain
- Cultural and Scenic Resources**
- - - National Historic Trail
- Transportation**
- U.S. Highway



Kansas and Missouri  
 GCS North American 1983  
 38.3365°N 95.5783°W

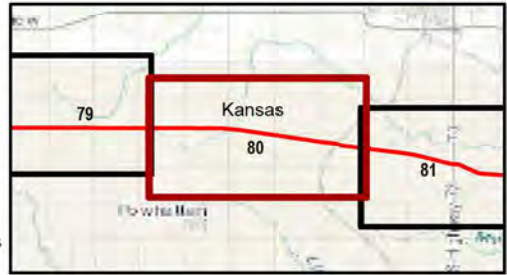


NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 80 of 127

- |   |   |  |  |
|---|---|--|--|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> Transmission Structure</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: olive; border: 1px solid black; margin-right: 5px;"></span> Habitat Conversion</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Access Road</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: magenta; border: 1px solid black; margin-right: 5px;"></span> Helipad / Fly Yard</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pull Site/Tension Site</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed blue; margin-right: 5px;"></span> Transmission Lines (115kV or Higher)</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed orange; margin-right: 5px;"></span> Existing Pipeline</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> County Boundary</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> State Boundary</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-right: 5px;"></span> Surface Management Agency</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-right: 5px;"></span> Private or Unknown</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid blue; margin-right: 5px;"></span> Delineated Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: magenta; border: 1px solid black; margin-right: 5px;"></span> Delineated Wetland</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid cyan; margin-right: 5px;"></span> NHD Stream/River</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed red; margin-right: 5px;"></span> Impaired Waterway (303d)</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid green; margin-right: 5px;"></span> KDHE Special Status Stream</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed blue; margin-right: 5px;"></span> 100-year FEMA Floodplain</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> 500-year FEMA Floodplain</li> </ul> <p><b>Cultural and Scenic Resources</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed red; margin-right: 5px;"></span> National Historic Trail</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> Railroad</li> </ul> |
|---|---|--|--|



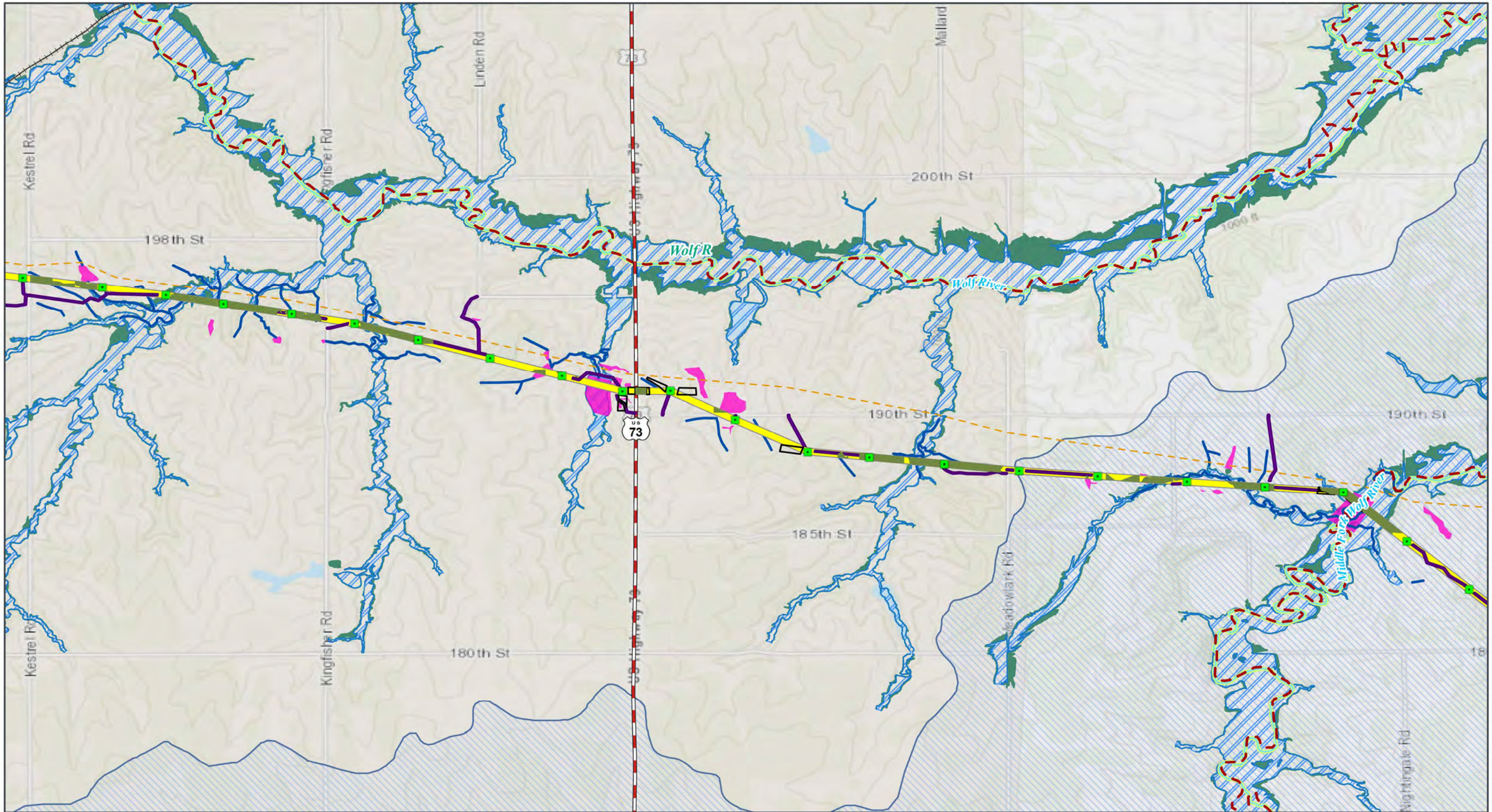
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.





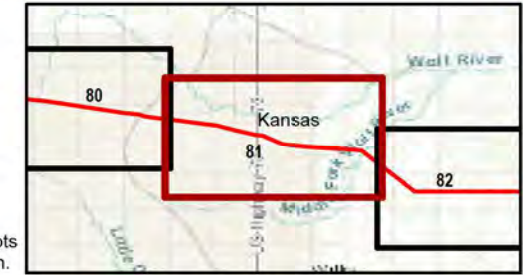
GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 81 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Existing Pipeline

- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream

- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- 100-year FEMA Floodplain
- 500-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Transportation**
- U.S. Highway
- Railroad

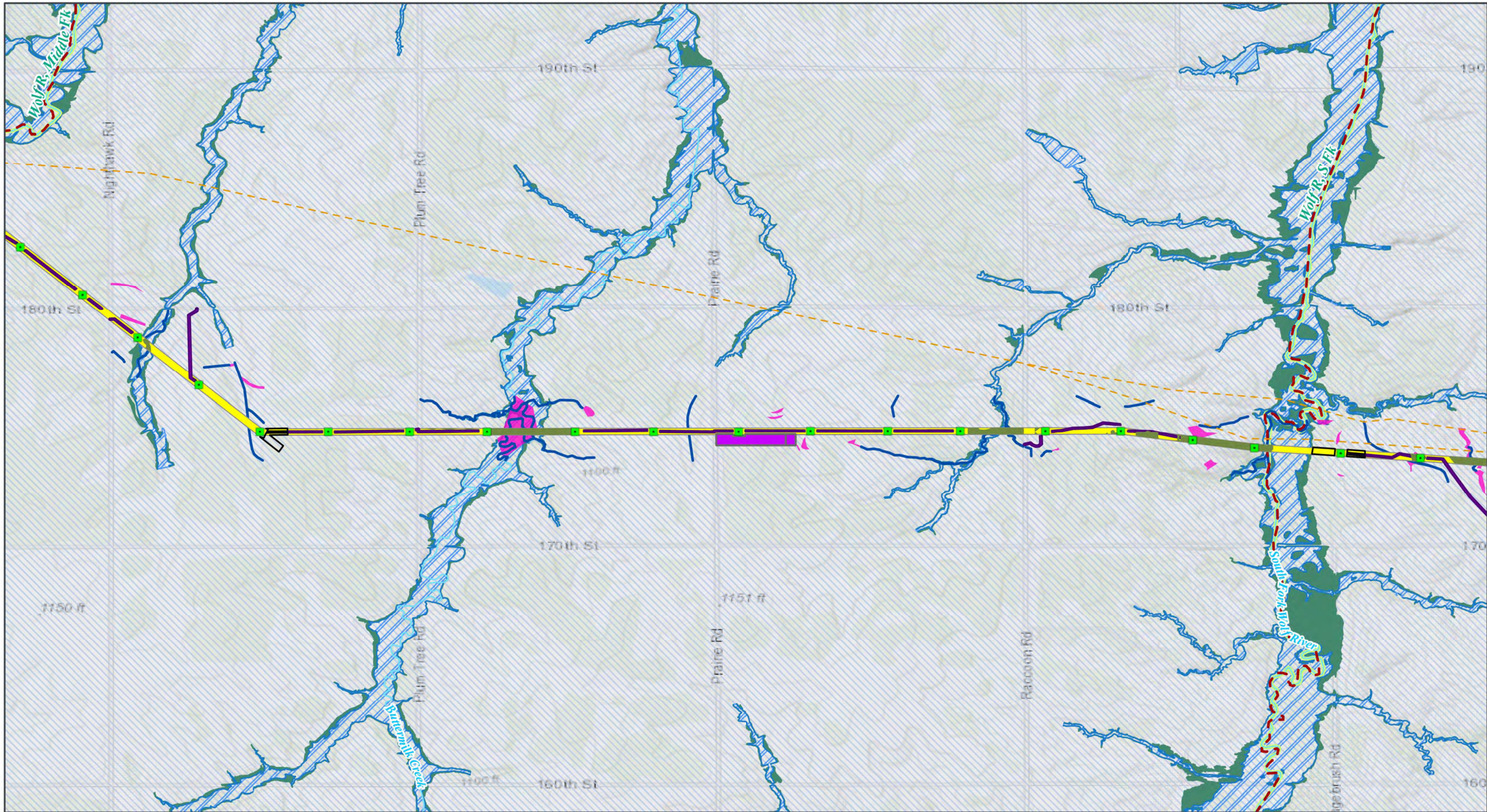


Kansas and Missouri  
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38.3365°N 95.5783°W

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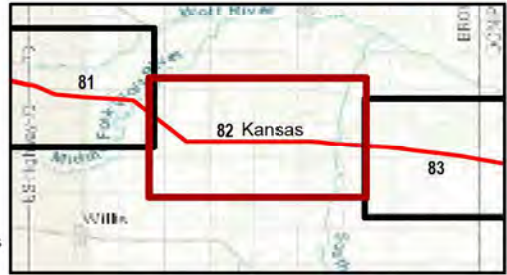
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
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Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 82 of 127

- |                        |                                  |                            |                                       |
|------------------------|----------------------------------|----------------------------|---------------------------------------|
| Transmission Structure | ROW                              | <b>Hydrology</b>           | 100-year FEMA Floodplain              |
| Habitat Conversion     | Existing Pipeline                | Delineated Stream          | 500-year FEMA Floodplain              |
| Access Road            | County Boundary                  | Delineated Wetland         | <b>Sensitive Biological Resources</b> |
| Helipad / Fly Yard     | State Boundary                   | NHD Stream/River           | Kansas Aquatic Ecological Focus Area  |
| Pull Site/Tension Site | <b>Surface Management Agency</b> | Impaired Waterway (303d)   |                                       |
|                        | Private or Unknown               | KDHE Special Status Stream |                                       |

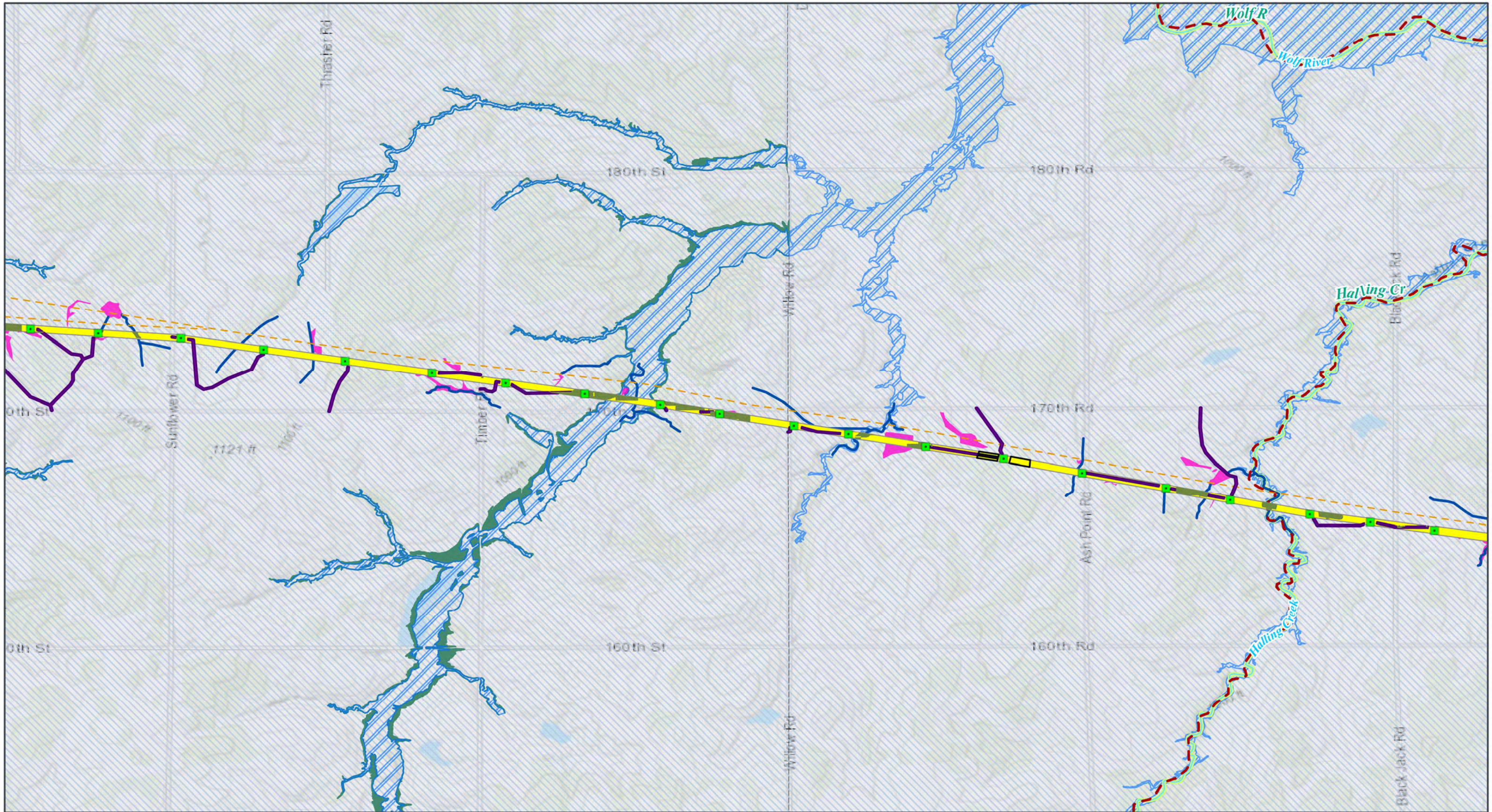


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

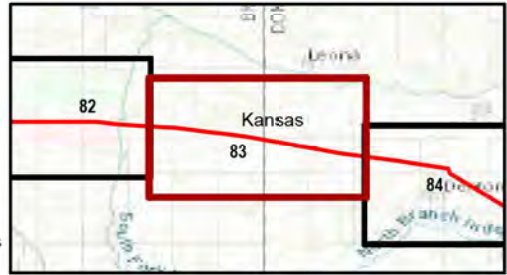
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 83 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- NHD Stream/River
- Impaired Waterway (303d)
- KDHE Special Status Stream
- 100-year FEMA Floodplain
- 500-year FEMA Floodplain
- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area

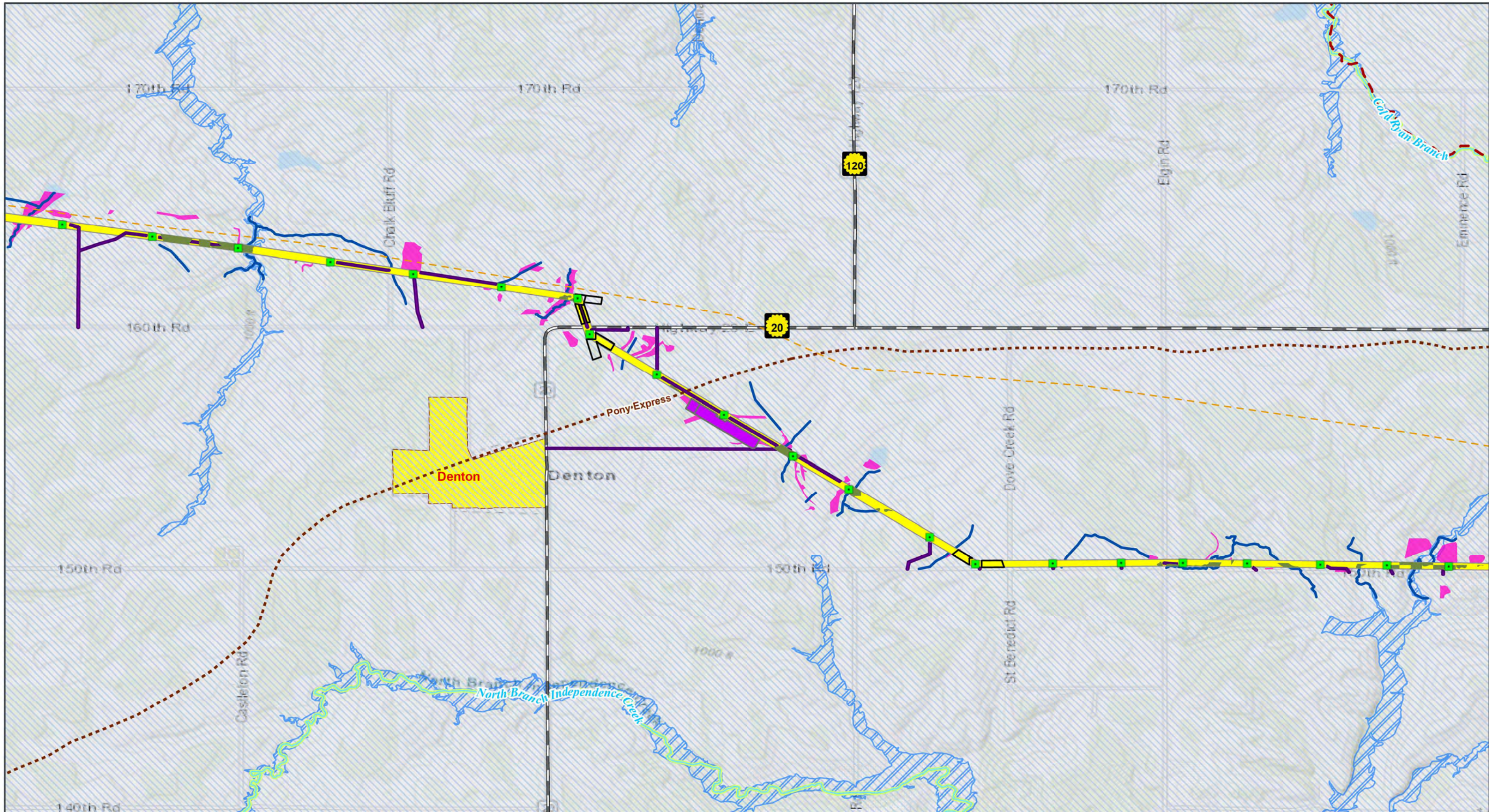


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT  
**Resource Map Book**  
 Map 84 of 127

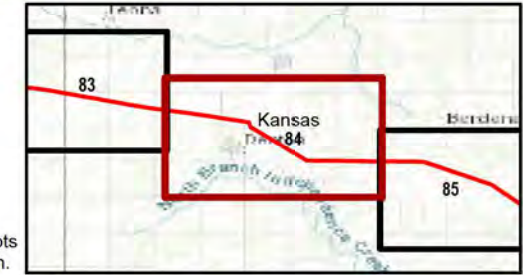


- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- Existing Pipeline
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream
  - 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Cultural and Scenic Resources**
- National Historic Trail
- Transportation**
- State Highway

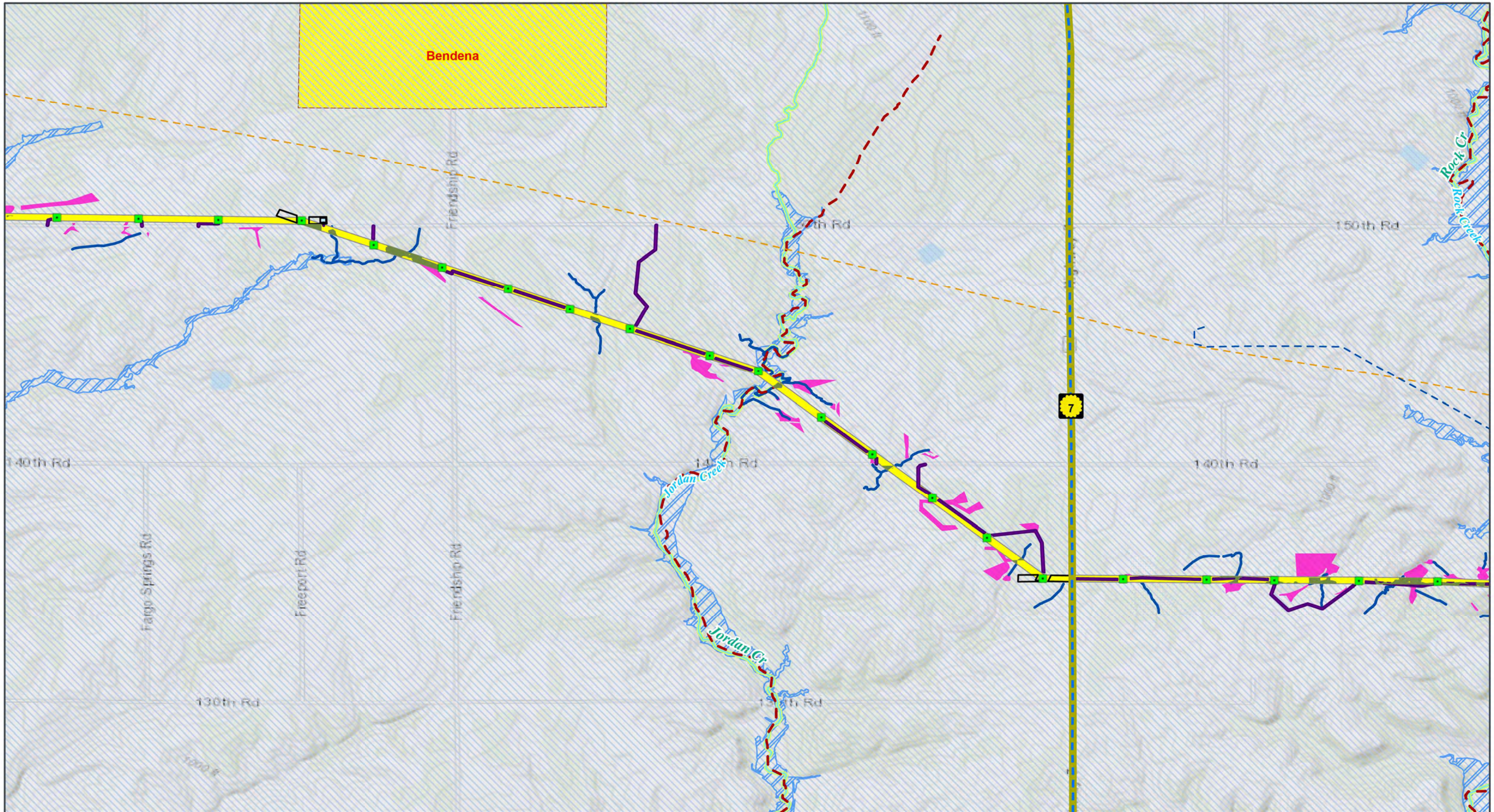


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
 GCS North American 1983  
 38.3365°N 95.5783°W

1:24,000

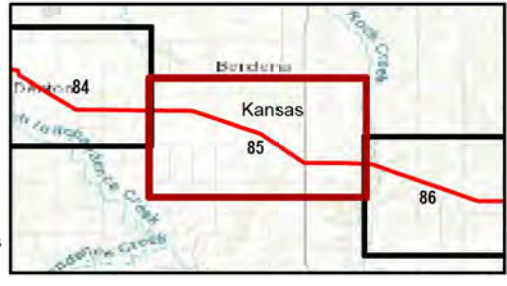
Base Map: Esri ArcGIS Online, accessed January 2025  
 Updated: 1/6/2025  
 Project No. 60694559  
 Layout: DEIS Mapbook 24k  
 Apr: DEIS\_MapBook\_24k



- Transmission Structure
- Habitat Conversion
- Access Road
- Optical Regeneration
- OPGW Access
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- Existing Pipeline
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - KDHE Special Status Stream
  - 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Cultural and Scenic Resources**
- Lewis and Clark National Historic Trail Auto Route
  - Scenic Byway
- Transportation**
- State Highway

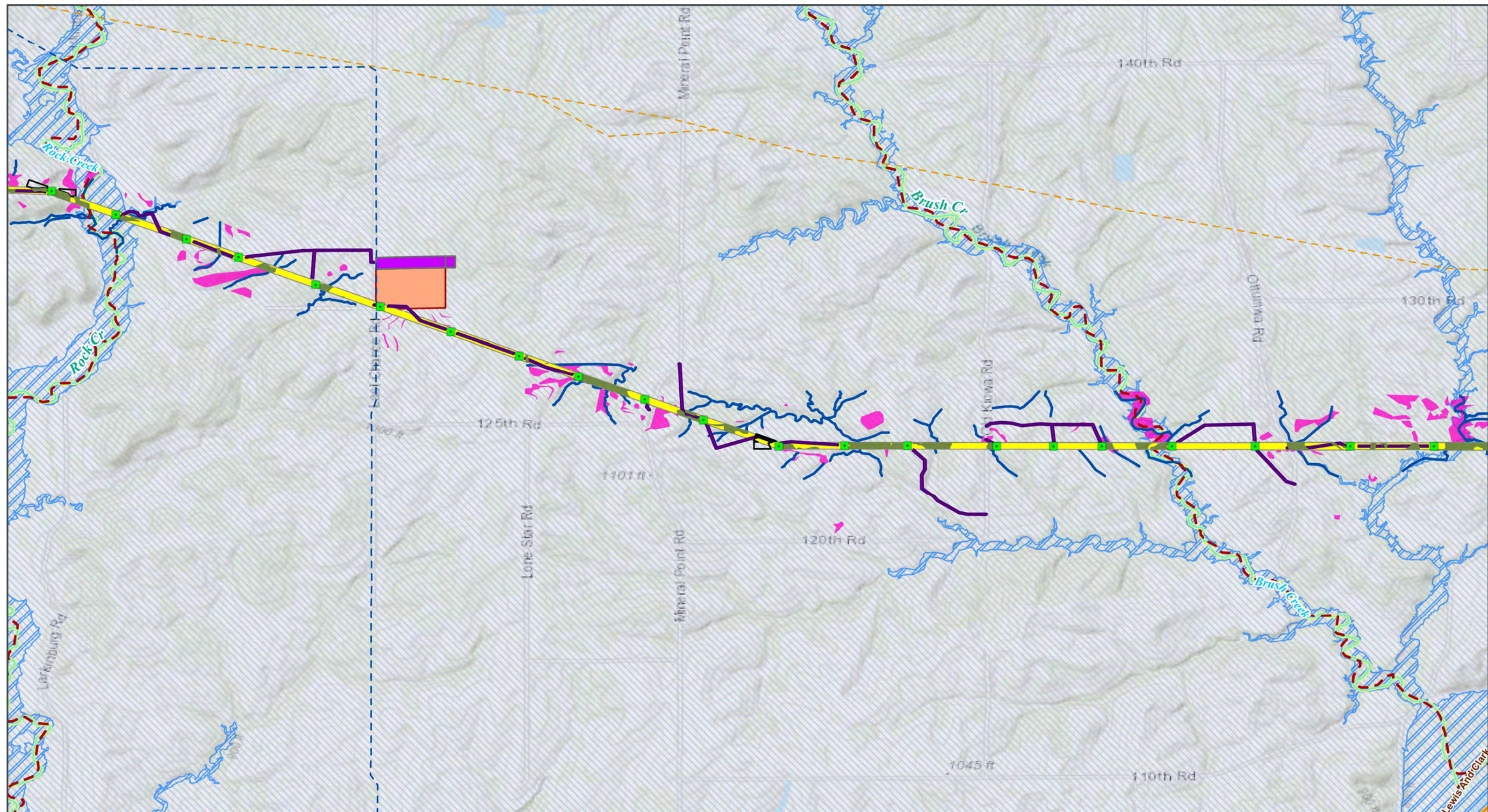


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
App: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT  
**Resource Map Book**  
 Map 86 of 127

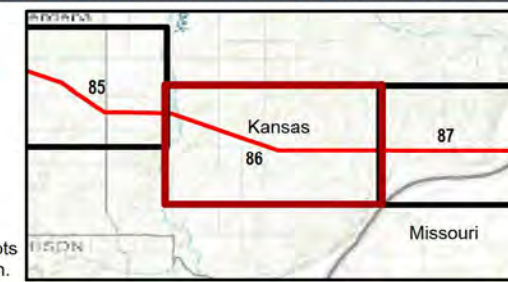


- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

- — — Transmission Lines (115kV or Higher)
- — — Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency  
Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - - - Impaired Waterway (303d)
  - KDHE Special Status Stream
  - 100-year FEMA Floodplain

- Sensitive Biological Resources**
- Kansas Aquatic Ecological Focus Area
- Cultural and Scenic Resources**
- - - National Historic Trail
  - — — Missouri River Water Trail



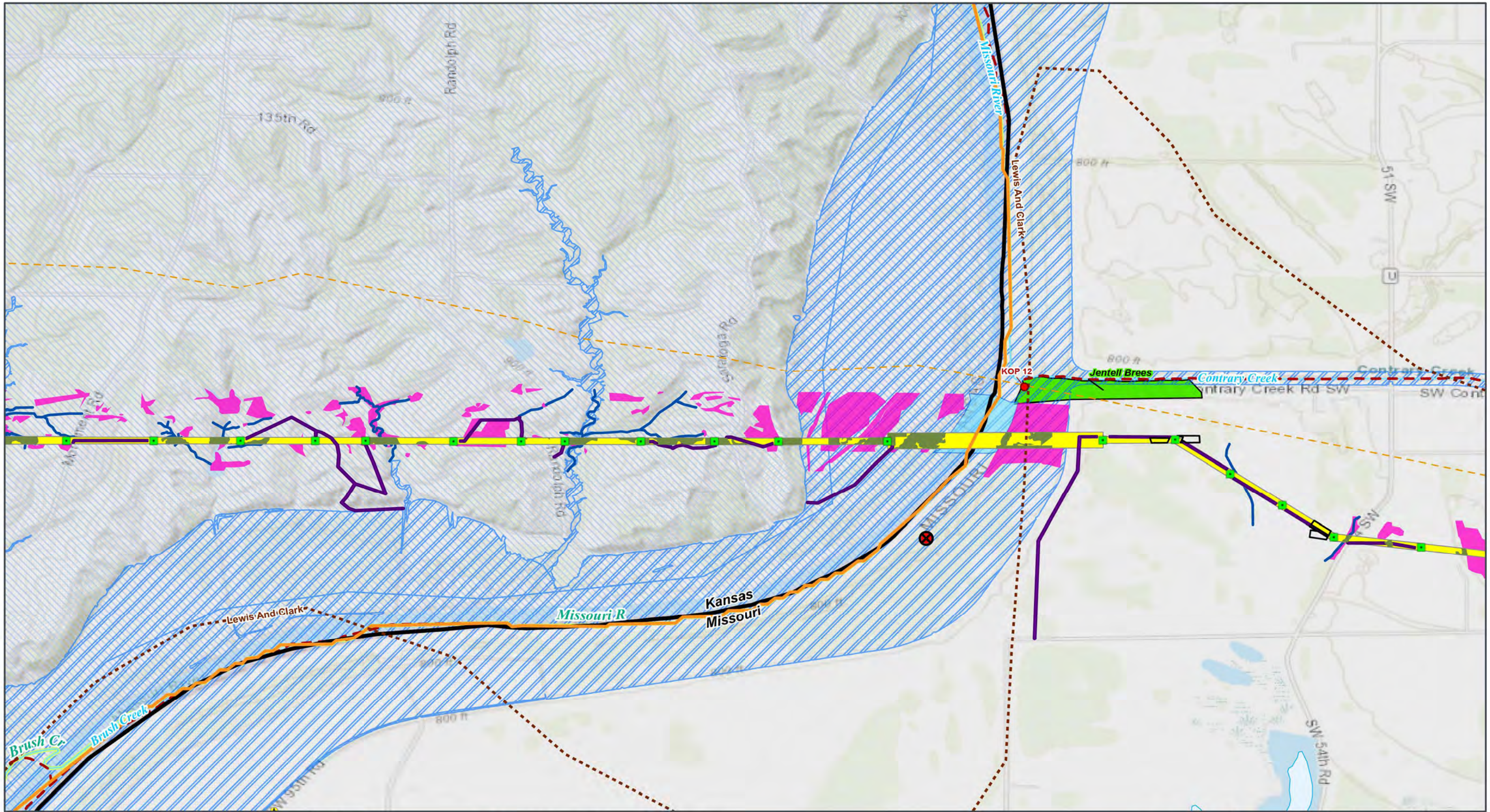
Kansas and Missouri  
 GCS North American 1983  
 38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
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 Updated: 1/6/2025  
 Project No. 60694559  
 Layout: DEIS Mapbook\_24k  
 Apr: DEIS\_MapBook\_24k

1:24,000

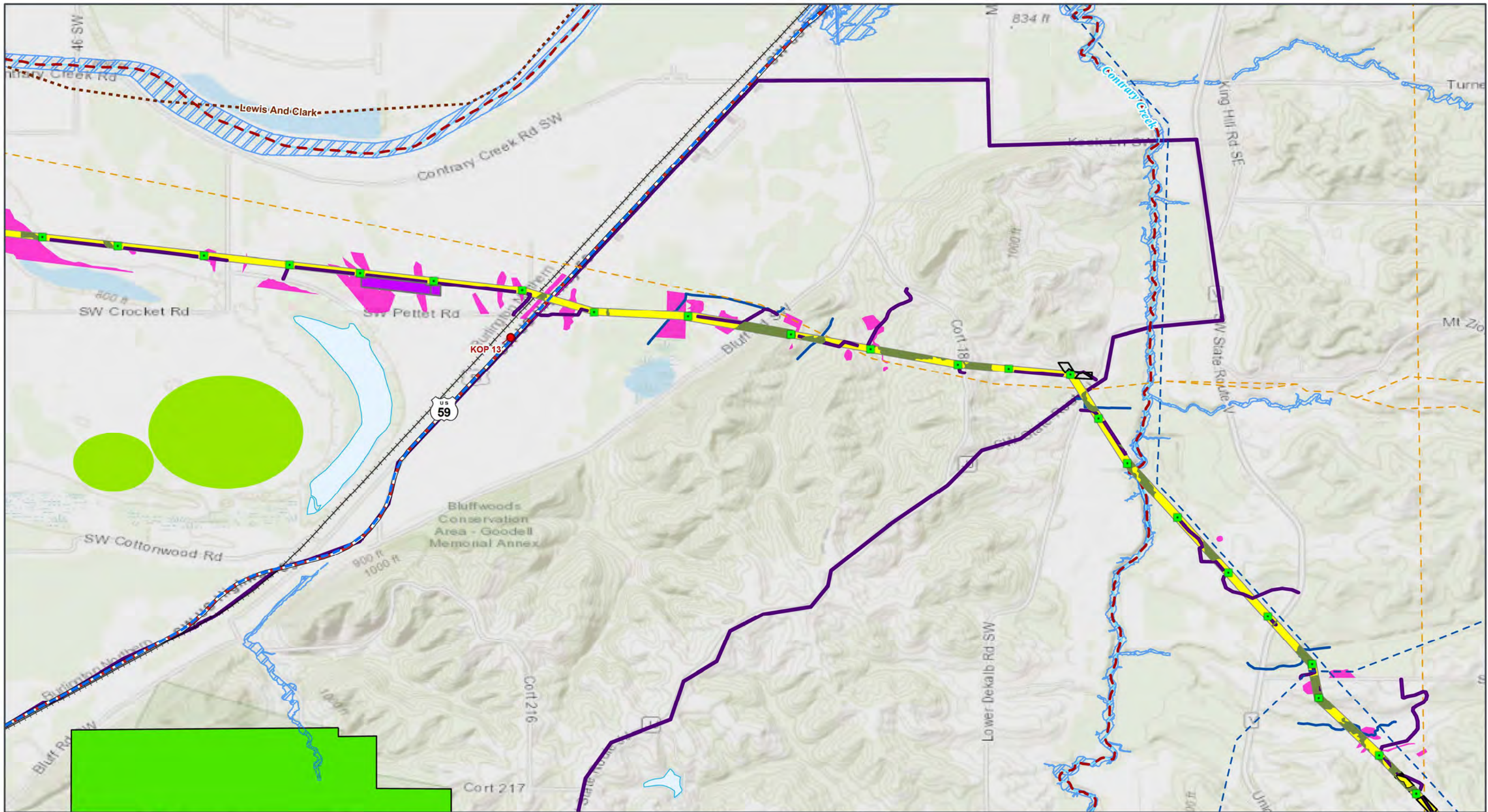
Kansas and Missouri

NOTE: In some instances, center pivots appear as ovals due to map projection.



<p>GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT</p> <p><b>Resource Map Book</b></p> <p>Map 87 of 127</p>	<ul style="list-style-type: none"> <li> Transmission Structure</li> <li> Habitat Conversion</li> <li> Access Road</li> <li> Pull Site/Tension Site</li> <li> ROW</li> <li> Existing Pipeline</li> <li> County Boundary</li> </ul>	<ul style="list-style-type: none"> <li> State Boundary</li> <li><b>Surface Management Agency</b></li> <li> Private or Unknown</li> <li><b>Hydrology</b></li> <li> Delineated Stream</li> <li> Delineated Wetland</li> <li> Delineated Waterbody</li> <li> NHD Stream/River</li> </ul>	<ul style="list-style-type: none"> <li> Impaired Waterway (303d)</li> <li> KDHE Special Status Stream</li> <li> NHD Waterbody</li> <li> 100-year FEMA Floodplain</li> <li><b>Sensitive Biological Resources</b></li> <li> Kansas Aquatic Ecological Focus Area</li> <li> Recreation Area</li> </ul>	<ul style="list-style-type: none"> <li> Bald Eagle Nests</li> <li><b>Cultural and Scenic Resources</b></li> <li> Key Observation Point (KOP) Location</li> <li> National Historic Trail</li> <li> Missouri River Water Trail</li> <li> Airport/Heliport</li> </ul>		<p>Kansas and Missouri</p> <p>GCS North American 1983 38.3365°N 95.5783°W</p> <p>1:24,000</p> <p>0 900 1,800 Feet 0 250 500 Meters</p> <p>Base Map: Esri ArcGIS Online, accessed January 2025 Updated: 1/6/2025 Project No.: 60694559 Layout: DEIS Mapbook 24k App: DEIS_MapBook_24k</p>
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NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 88 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)

- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- Delineated Waterbody

- NHD Stream/River
- Impaired Waterway (303d)
- NHD Waterbody
- Center Pivot Irrigation Area
- 100-year FEMA Floodplain
- Sensitive Biological Resources**
- MO Conservation Opportunity Area
- Recreation Area

- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
- National Historic Trail
- Lewis and Clark National Historic Trail Auto Route
- Transportation**
- U.S. Highway
- Railroad



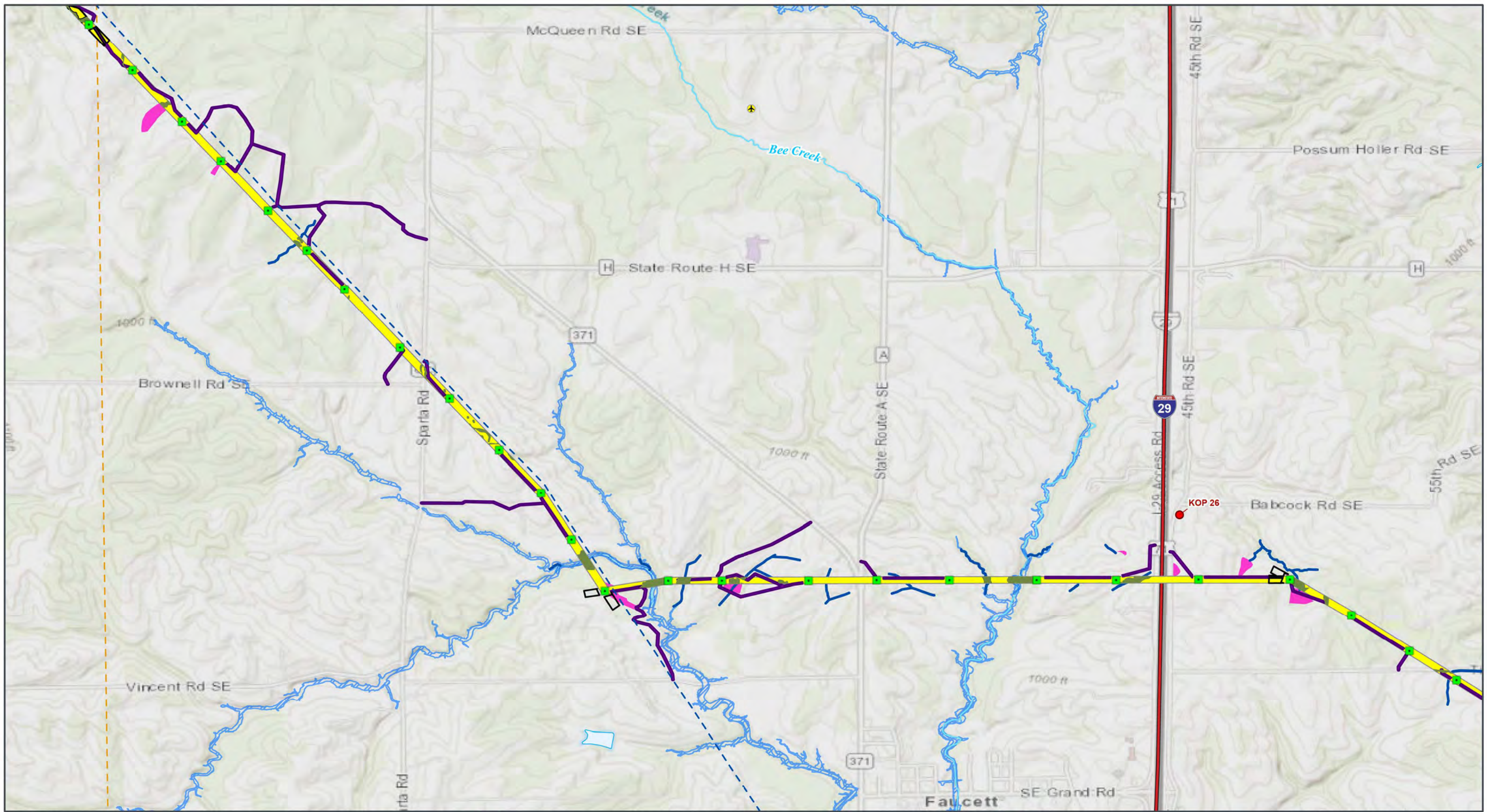
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.





- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- Delineated Waterbody
- NHD Stream/River
- NHD Waterbody
- 100-year FEMA Floodplain

- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
  - Interstate Highway
  - ✈ Airport/Heliport
- Transportation**

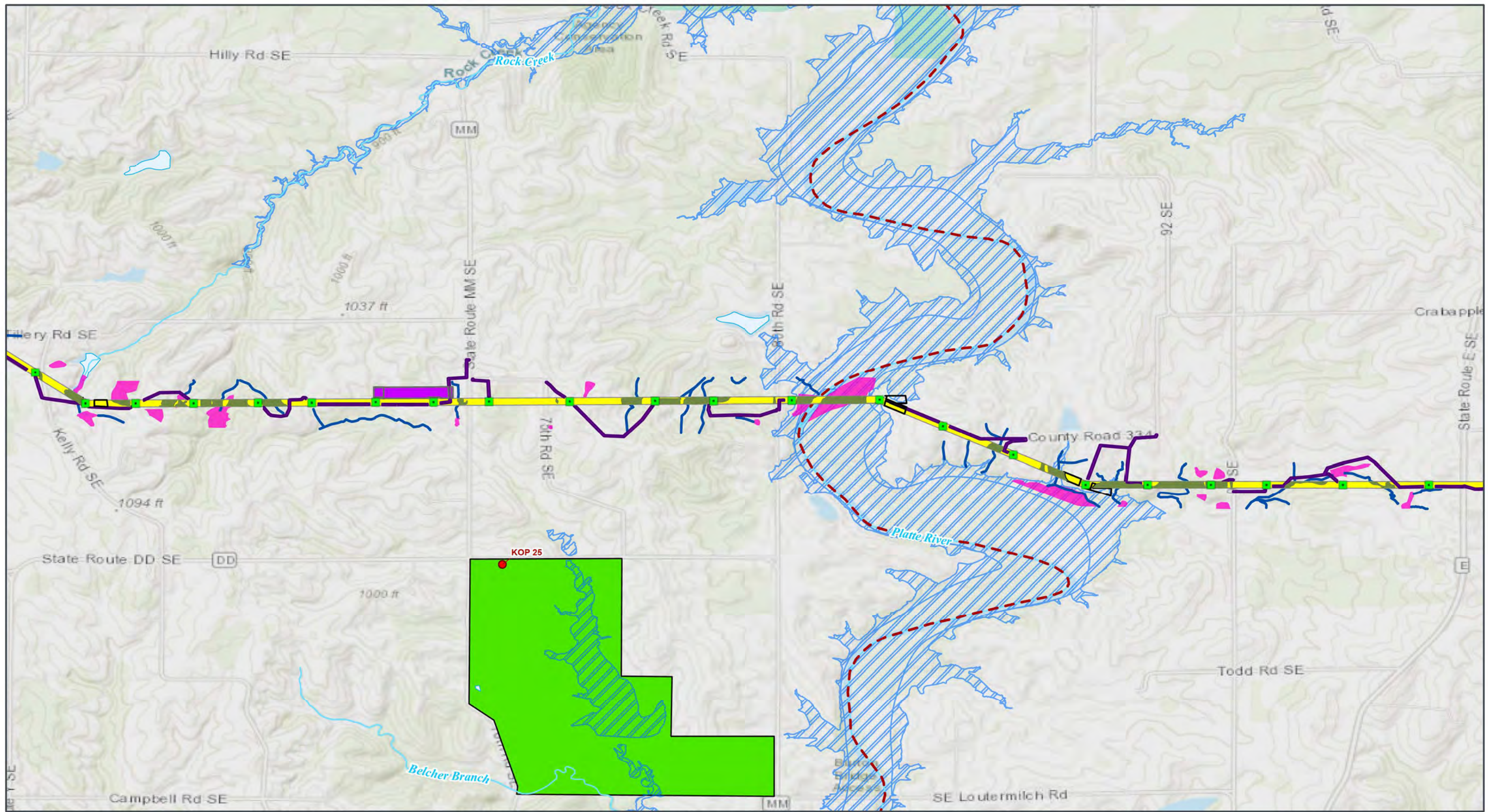


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000  
0 900 1,800 Feet  
0 250 500 Meters

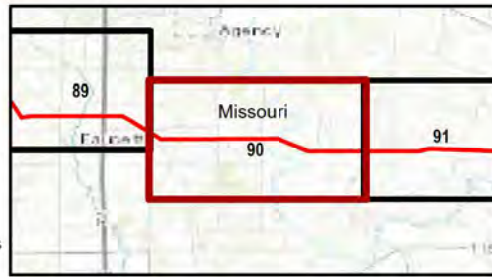
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



- |  |   |  |   |
|--|---|--|---|
| <span style="color: green;">■</span> Transmission Structure  | <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> County Boundary                  | <b>Hydrology</b>   | <span style="border: 1px solid lightblue; background-color: lightblue; display: inline-block; width: 10px; height: 10px;"></span> NHD Waterbody |
| <span style="background-color: purple; display: inline-block; width: 10px; height: 10px;"></span> Habitat Conversion           | <span style="border: 2px solid black; display: inline-block; width: 10px; height: 10px;"></span> State Boundary                   | <span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px;"></span> Delineated Stream        | <span style="border: 1px dashed lightblue; display: inline-block; width: 10px; height: 10px;"></span> 100-year FEMA Floodplain                  |
| <span style="background-color: pink; display: inline-block; width: 10px; height: 10px;"></span> Access Road                    | <b>Surface Management Agency</b>  | <span style="background-color: magenta; display: inline-block; width: 10px; height: 10px;"></span> Delineated Wetland    | <b>Sensitive Biological Resources</b>   |
| <span style="background-color: yellow; display: inline-block; width: 10px; height: 10px;"></span> Helipad / Fly Yard           | <span style="background-color: lightgreen; display: inline-block; width: 10px; height: 10px;"></span> US Fish and Wildlife (USFW) | <span style="background-color: cyan; display: inline-block; width: 10px; height: 10px;"></span> Delineated Waterbody     | <span style="background-color: green; display: inline-block; width: 10px; height: 10px;"></span> Recreation Area                                |
| <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pull Site/Tension Site        | <span style="background-color: gray; display: inline-block; width: 10px; height: 10px;"></span> Private or Unknown                | <span style="border: 1px solid cyan; display: inline-block; width: 10px; height: 10px;"></span> NHD Stream/River         | <b>Cultural and Scenic Resources</b>  |
| <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> ROW |   | <span style="border: 1px dashed red; display: inline-block; width: 10px; height: 10px;"></span> Impaired Waterway (303d) | <span style="color: red;">●</span> Key Observation Point (KOP) Location   |

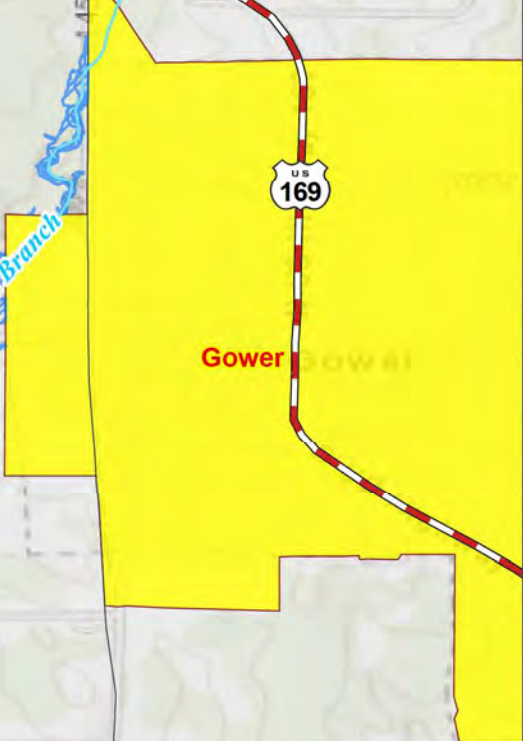
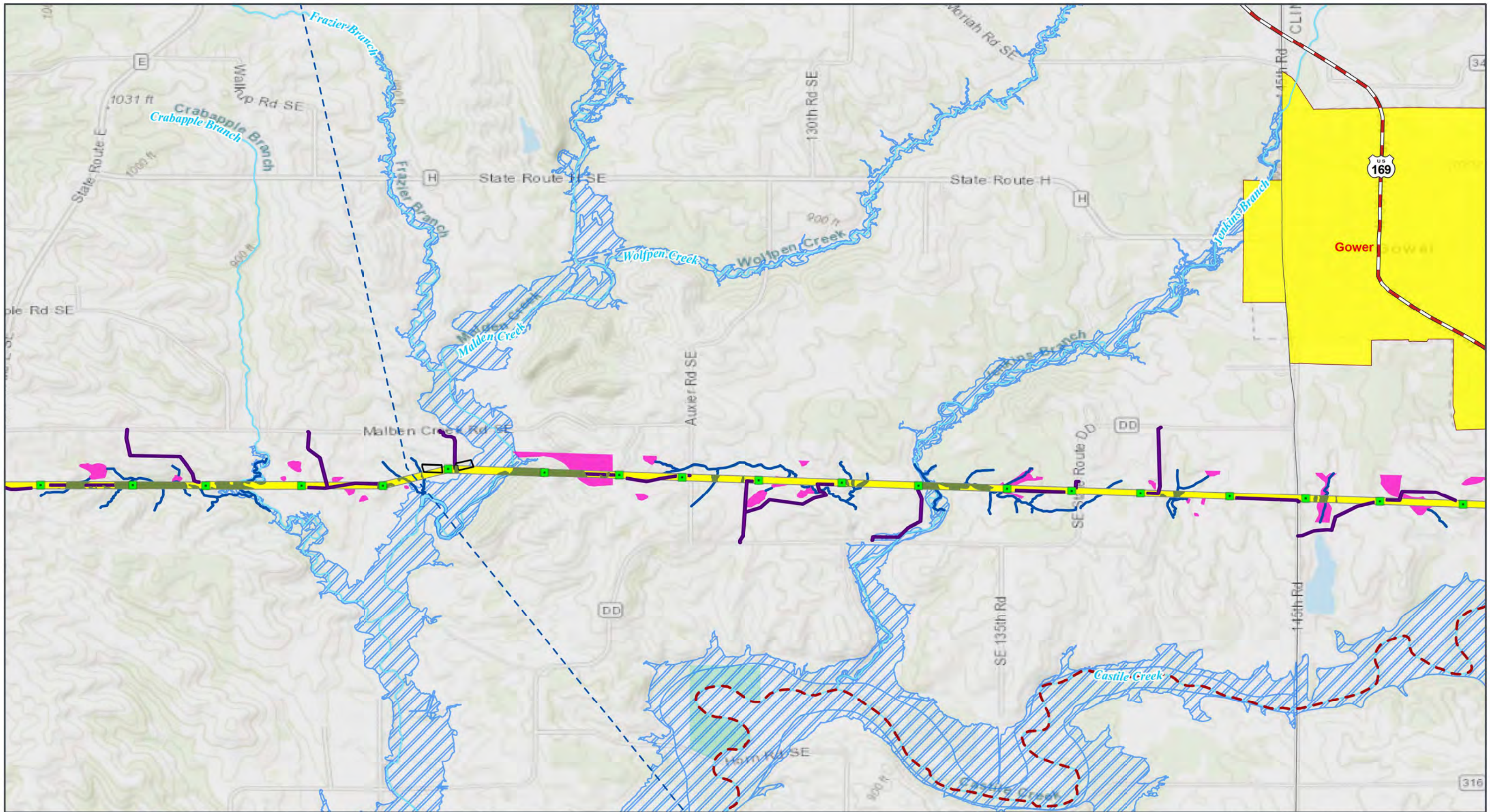
NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

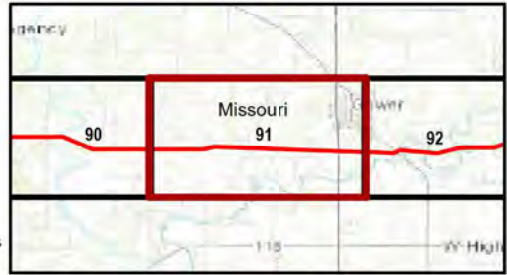
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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- Transmission Lines (115kV or Higher)
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- 100-year FEMA Floodplain
- Transportation**
- U.S. Highway

NOTE: In some instances, center pivots appear as ovals due to map projection.



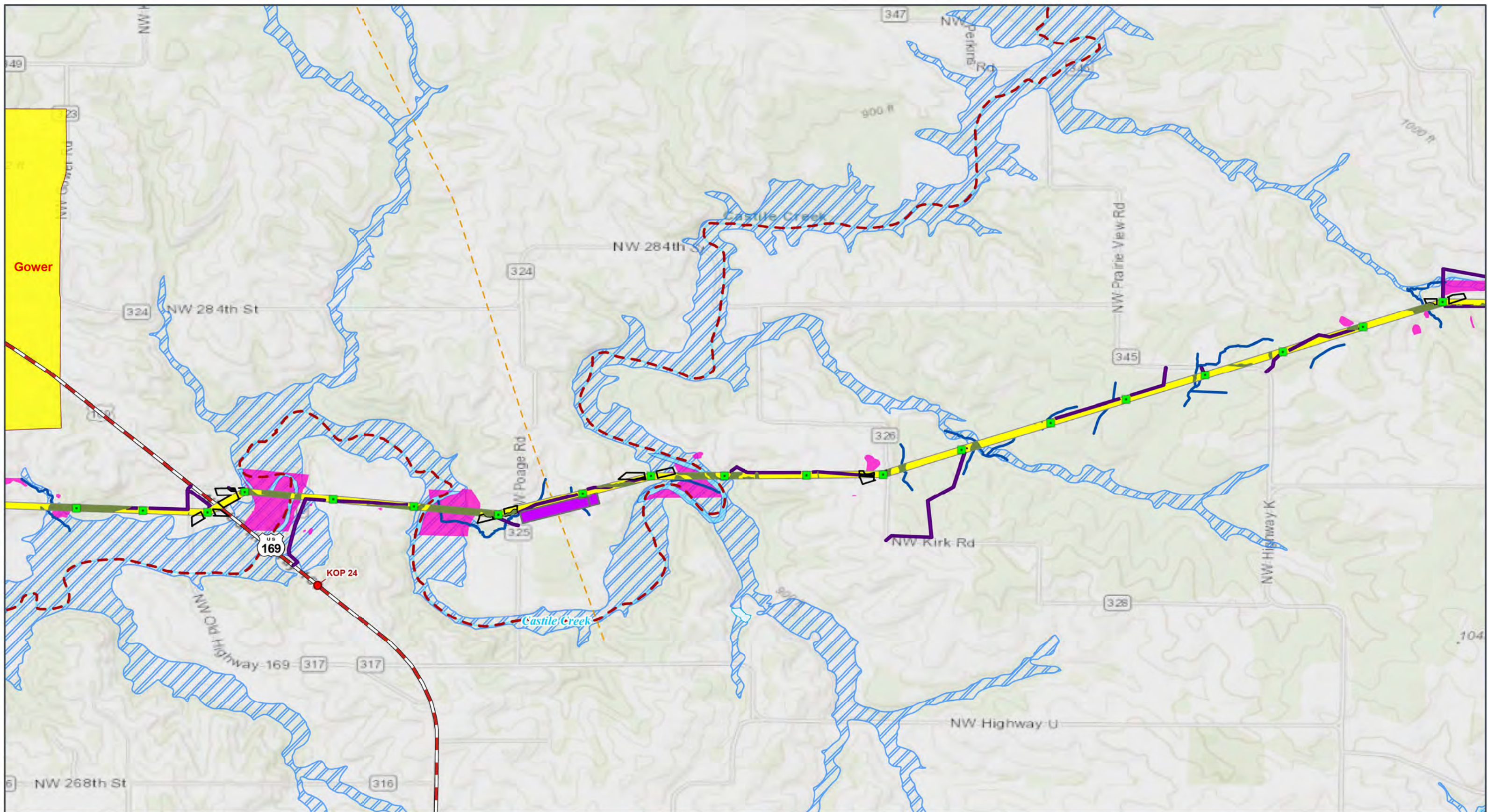
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

1:24,000

0 900 1,800 Feet  
0 250 500 Meters





GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 92 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW
- Existing Pipeline
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency**
- Private or Unknown
- Hydrology**
- Delineated Stream
- Delineated Wetland
- Delineated Waterbody
- NHD Stream/River
- Impaired Waterway (303d)
- NHD Waterbody
- 100-year FEMA Floodplain
- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
- Transportation**
- U.S. Highway



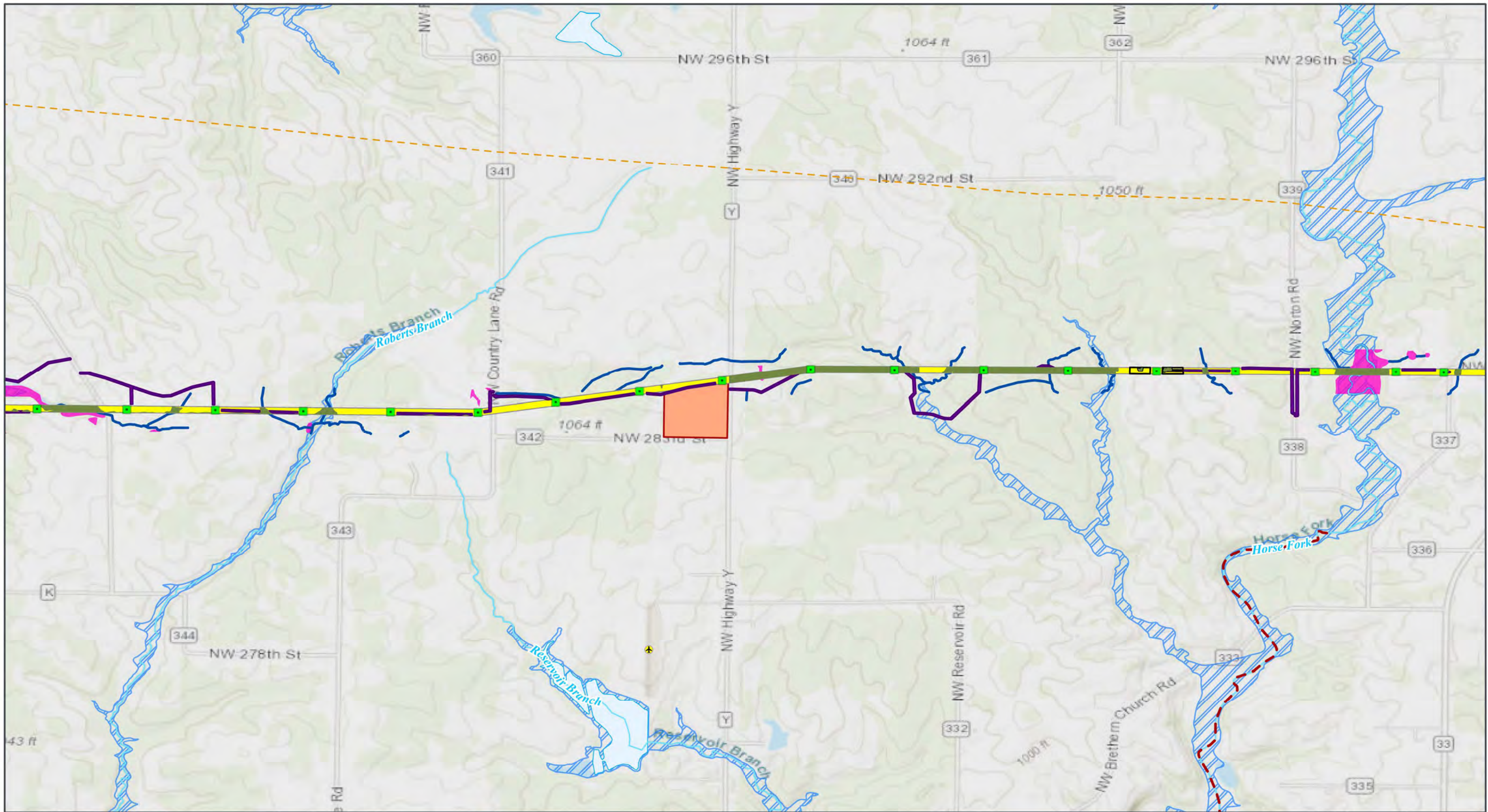
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

1:24,000

0 900 1,800 Feet  
0 250 500 Meters

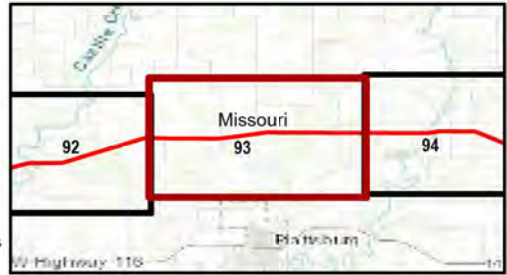
Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 93 of 127

- |                        |                                  |                          |
|------------------------|----------------------------------|--------------------------|
| Transmission Structure | County Boundary                  | Delineated Waterbody     |
| Habitat Conversion     | State Boundary                   | NHD Stream/River         |
| Laydown Yard           | <b>Surface Management Agency</b> | Impaired Waterway (303d) |
| Access Road            | Private or Unknown               | NHD Waterbody            |
| Pull Site/Tension Site | <b>Hydrology</b>                 | 100-year FEMA Floodplain |
| ROW                    | Delineated Stream                | Airport/Heliport         |
| Existing Pipeline      | Delineated Wetland               |                          |



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

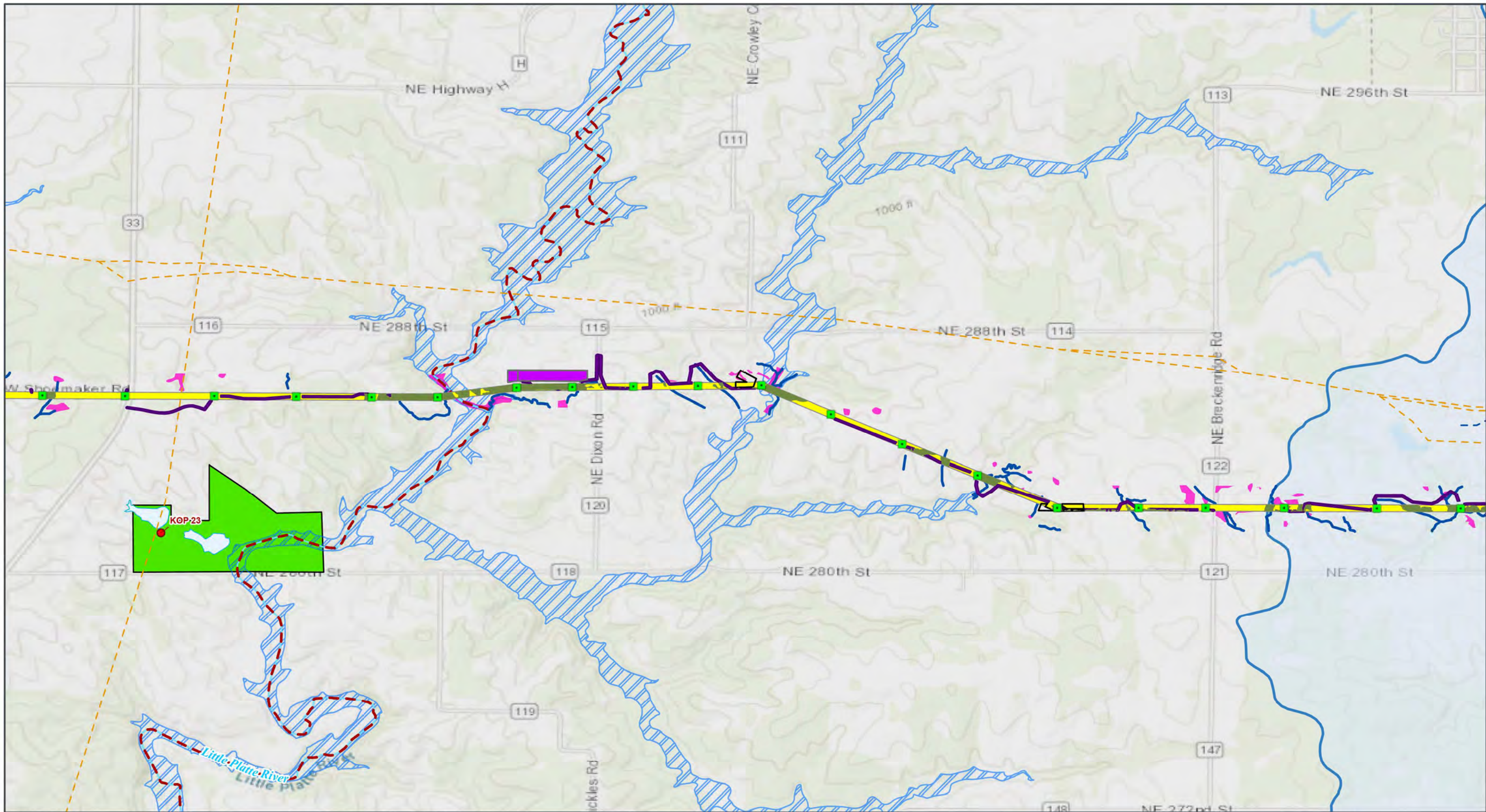
Kansas and Missouri

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0 900 1,800 Feet  
0 250 500 Meters

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

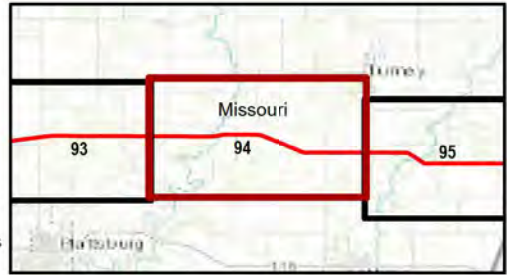
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS TRANSMISSION LINE PROJECT  
**Resource Map Book**  
 Map 94 of 127



- |  |   |  |   |
|--|---|--|---|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> Transmission Structure</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border: 1px solid black; margin-right: 5px;"></span> Habitat Conversion</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border: 1px solid black; margin-right: 5px;"></span> Access Road</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> Helipad / Fly Yard</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: white; border: 1px solid black; margin-right: 5px;"></span> Pull Site/Tension Site</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed blue; margin-right: 5px;"></span> Transmission Lines (115kV or Higher)</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px dashed orange; margin-right: 5px;"></span> Existing Pipeline</li> <li><span style="display: inline-block; width: 10px; border-bottom: 1px solid black; margin-right: 5px;"></span> County Boundary</li> <li><span style="display: inline-block; width: 10px; border-bottom: 2px solid black; margin-right: 5px;"></span> State Boundary</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: white; border: 1px solid black; margin-right: 5px;"></span> Surface Management Agency<br/>Private or Unknown</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border: 1px solid black; margin-right: 5px;"></span> Delineated Stream</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: pink; border: 1px solid black; margin-right: 5px;"></span> Delineated Wetland</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> Delineated Waterbody</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: cyan; border: 1px solid black; margin-right: 5px;"></span> NHD Stream/River</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px dashed red; margin-right: 5px;"></span> Impaired Waterway (303d)</li> <li><span style="display: inline-block; width: 10px; height: 10px; border-bottom: 1px dashed cyan; margin-right: 5px;"></span> NHD Waterbody</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; margin-right: 5px;"></span> MO Outstanding State Resource Watershed</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px dashed blue; margin-right: 5px;"></span> 100-year FEMA Floodplain</li> </ul> <p><b>Sensitive Biological Resources</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black; margin-right: 5px;"></span> Recreation Area</li> </ul> <p><b>Cultural and Scenic Resources</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border-radius: 50%; margin-right: 5px;"></span> Key Observation Point (KOP) Location</li> </ul> |
|--|---|--|---|



Kansas and Missouri  
 GCS North American 1983  
 38.3365°N 95.5783°W

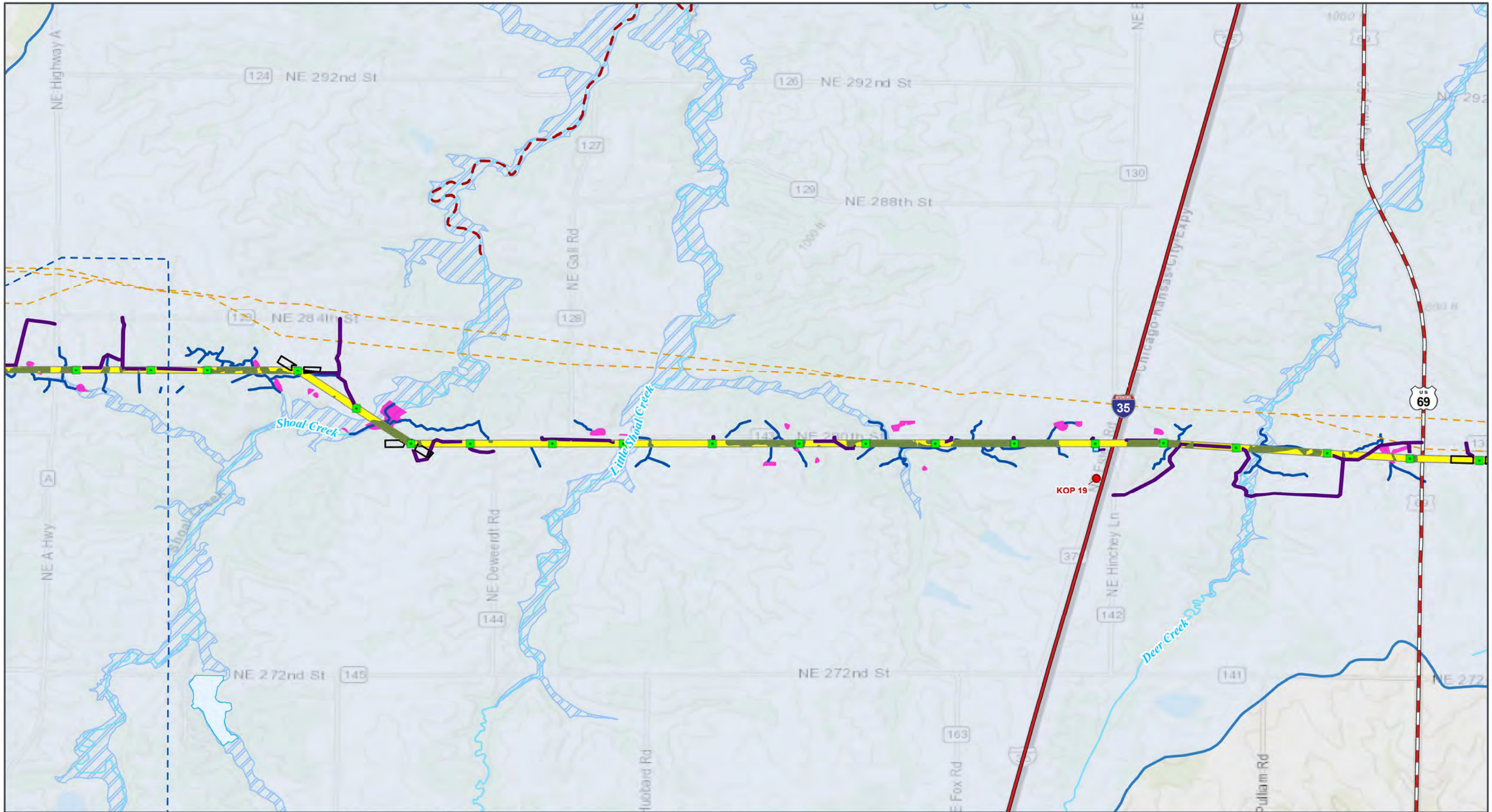
Base Map: Esri ArcGIS Online, accessed January 2025  
 Updated: 1/6/2025  
 Project No.: 60694559  
 Layout: DEIS Mapbook\_24k  
 Apr: DEIS\_MapBook\_24k

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0 900 1,800 Feet  
 0 250 500 Meters

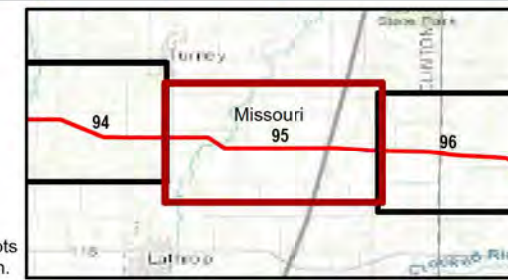
Kansas and Missouri

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 95 of 127

- |  |  |  |   |
|--|--|--|---|
| <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Transmission Structure</li> <li><span style="color: olive;">■</span> Habitat Conversion</li> <li><span style="color: purple;">■</span> Access Road</li> <li><span style="color: cyan;">■</span> Optical Regeneration</li> <li><span style="color: magenta;">■</span> OPGW Access</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pull Site/Tension Site</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> ROW</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: blue;">---</span> Transmission Lines (115kV or Higher)</li> <li><span style="color: orange;">---</span> Existing Pipeline</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> <li><span style="border: 2px solid black; display: inline-block; width: 10px; height: 10px;"></span> State Boundary</li> <li><b>Surface Management Agency</b></li> <li>Private or Unknown</li> </ul> | <p><b>Hydrology</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Delineated Stream</li> <li><span style="color: magenta;">—</span> Delineated Wetland</li> <li><span style="color: cyan;">—</span> NHD Stream/River</li> <li><span style="color: red;">---</span> Impaired Waterway (303d)</li> <li><span style="color: lightblue;">—</span> NHD Waterbody</li> <li><span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px;"></span> MO Outstanding State Resource Watershed</li> </ul> | <p><span style="border: 1px solid blue; display: inline-block; width: 10px; height: 10px;"></span> 100-year FEMA Floodplain</p> <p><b>Cultural and Scenic Resources</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">●</span> Key Observation Point (KOP) Location</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">—</span> Interstate Highway</li> <li><span style="color: brown;">—</span> U.S. Highway</li> </ul> |
|--|--|--|---|



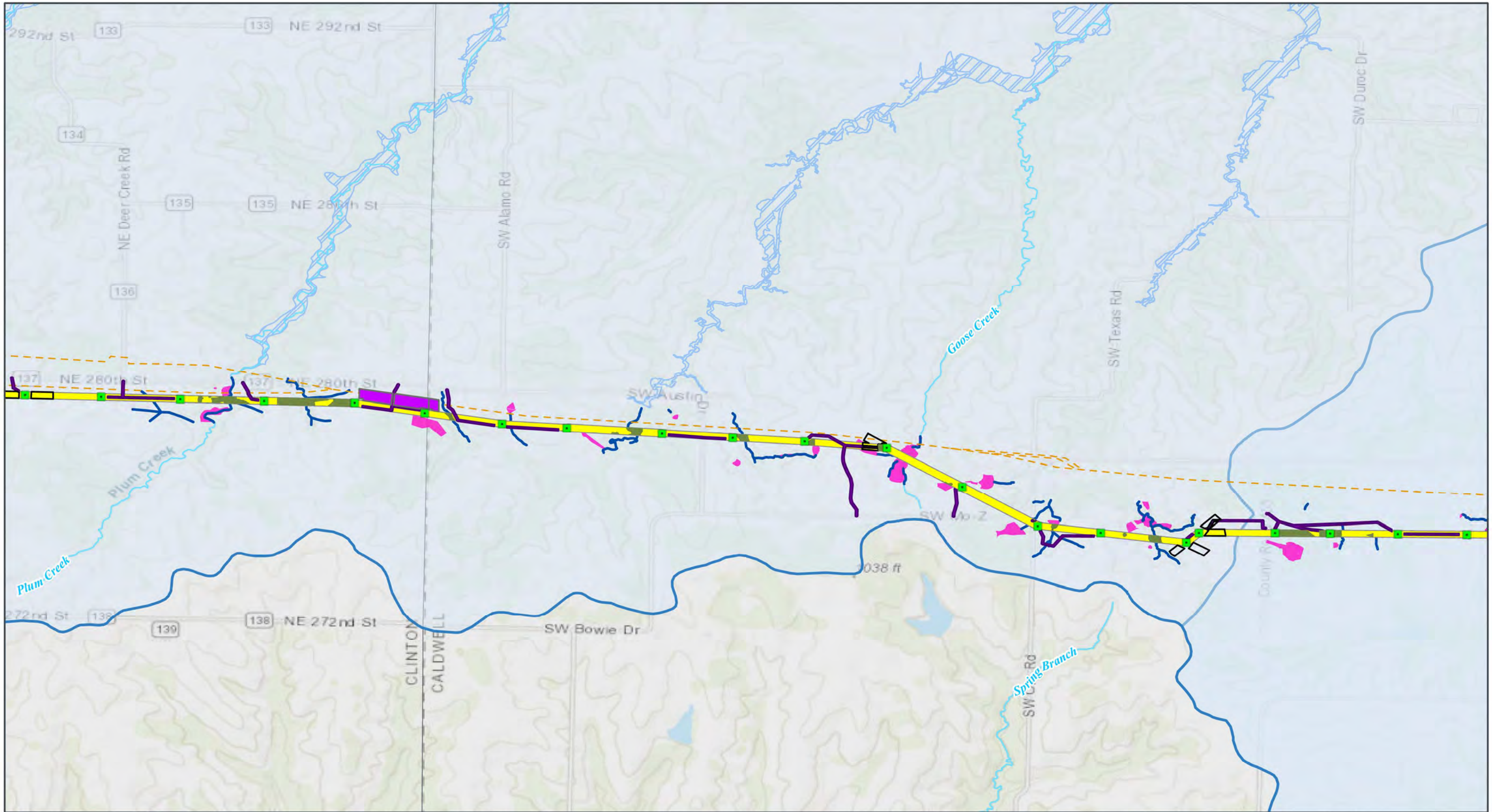
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Kansas and Missouri

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

1:24,000

NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 96 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site
- ROW

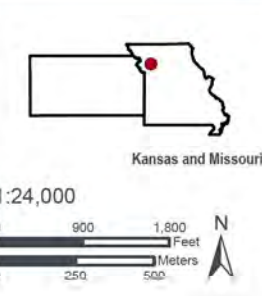
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - MO Outstanding State Resource Watershed
  - 100-year FEMA Floodplain



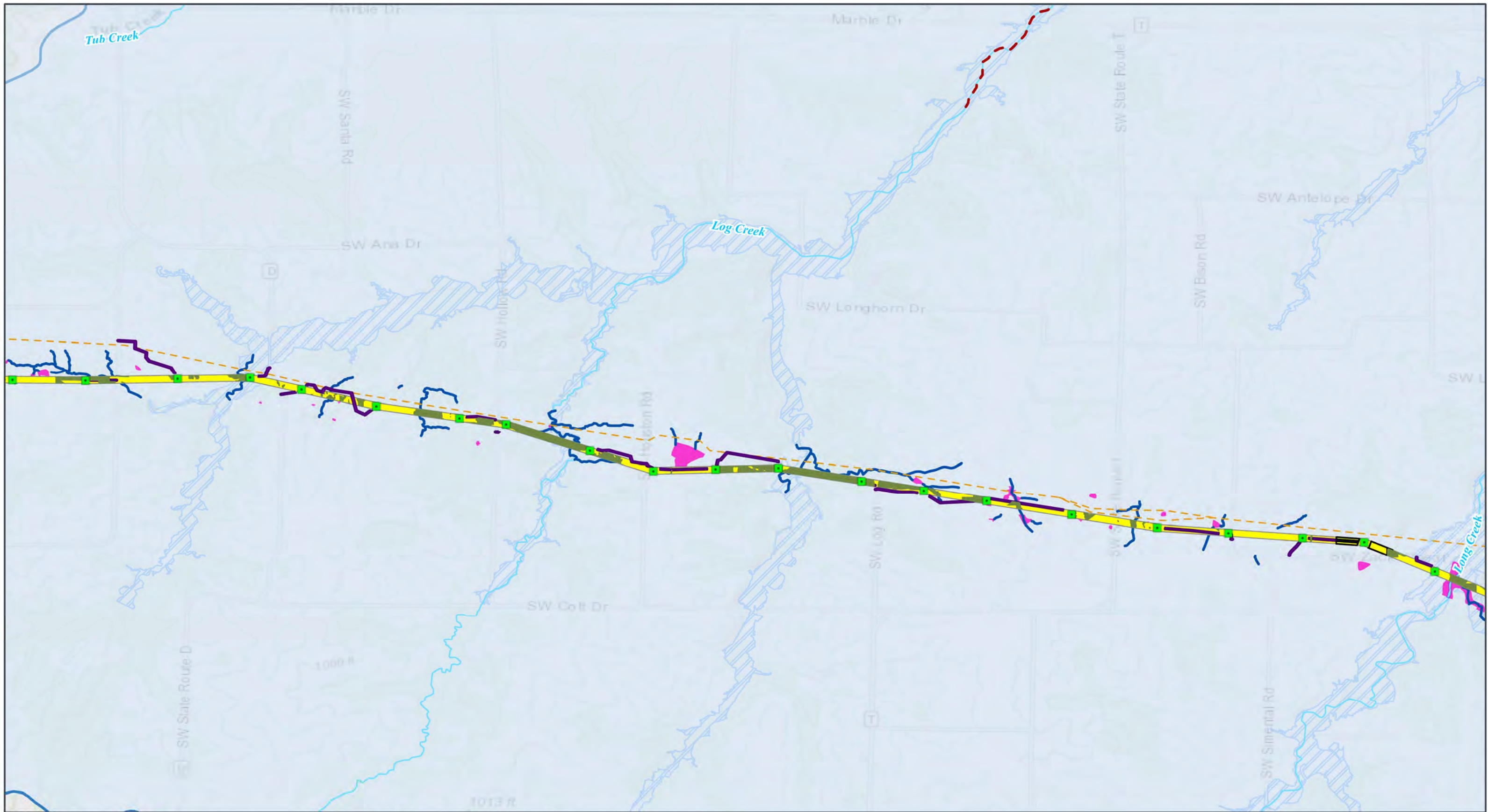
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



NOTE: In some instances, center pivots appear as ovals due to map projection.

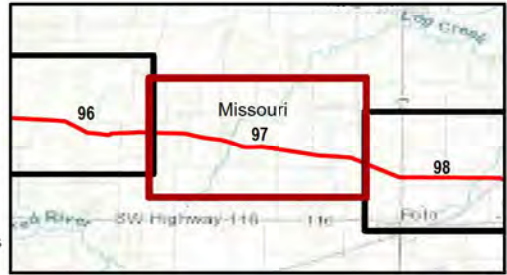




GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 97 of 127



- |                        |                                  |   |
|------------------------|----------------------------------|---|
| Transmission Structure | County Boundary                  | Delineated Wetland                      |
| Habitat Conversion     | State Boundary                   | Delineated Waterbody                    |
| Access Road            | <b>Surface Management Agency</b> | NHD Stream/River                        |
| Pull Site/Tension Site | Private or Unknown               | Impaired Waterway (303d)                |
| ROW                    | <b>Hydrology</b>                 | MO Outstanding State Resource Watershed |
| Existing Pipeline      | Delineated Stream                | 100-year FEMA Floodplain                |

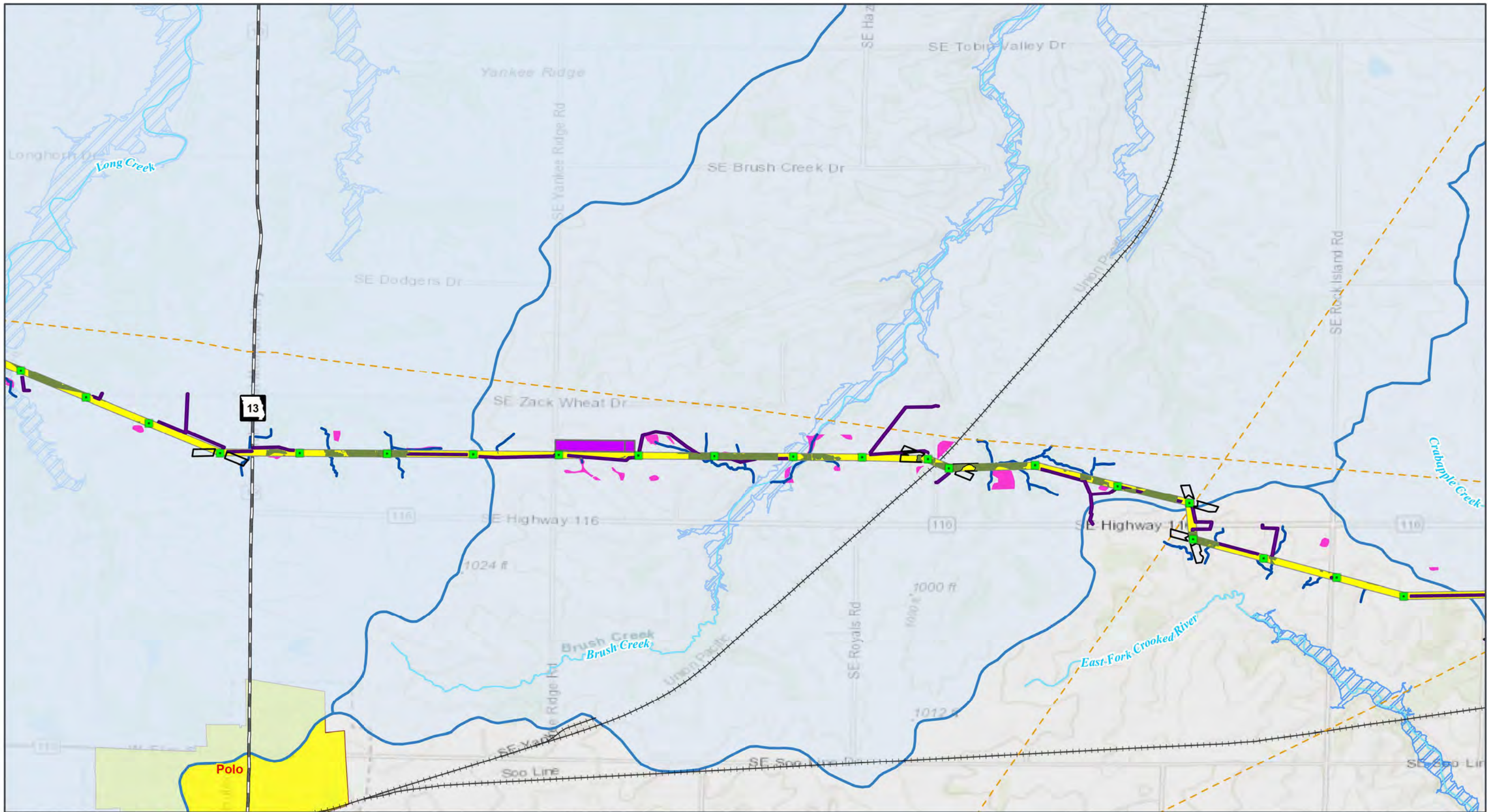


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

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NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT

**Resource Map Book**

Map 98 of 127

- Transmission Structure
- Habitat Conversion
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site

- ROW
- Existing Pipeline
- County Boundary
- State Boundary
- Municipal Boundary Near the Project

**Surface Management Agency**

Private or Unknown

**Hydrology**

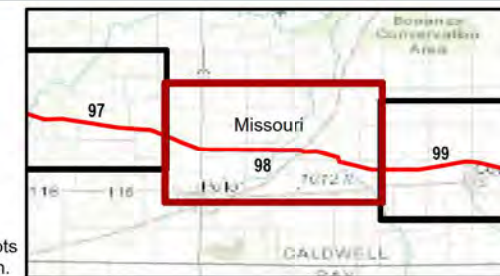
- Delineated Stream
- Delineated Wetland
- NHD Stream/River

MO Outstanding State Resource Watershed

100-year FEMA Floodplain

**Transportation**

- State Highway
- Railroad



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

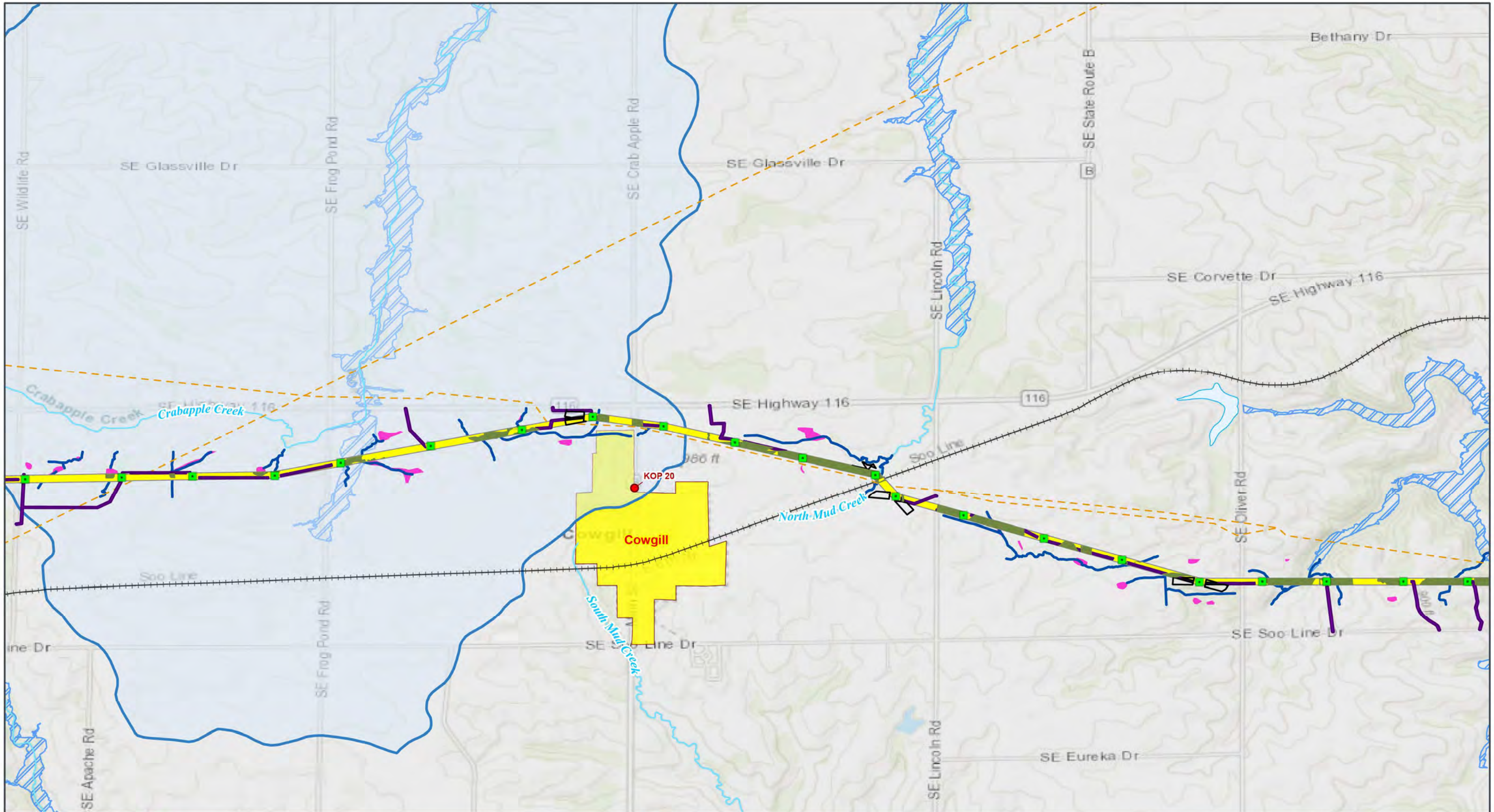


Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
Apr: DEIS\_MapBook\_24k

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NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 99 of 127



- Transmission Structure
- Habitat Conversion
- Access Road
- Pull Site/Tension Site
- ROW
- - - Existing Pipeline

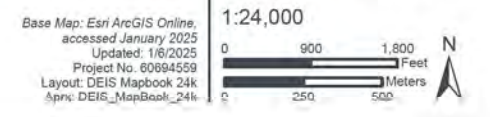
- County Boundary
- State Boundary
- Municipal Boundary Near the Project
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - NHD Waterbody
  - MO Outstanding State Resource Watershed

- Cultural and Scenic Resources**
- Key Observation Point (KOP) Location
  - + Railroad
  - 100-year FEMA Floodplain

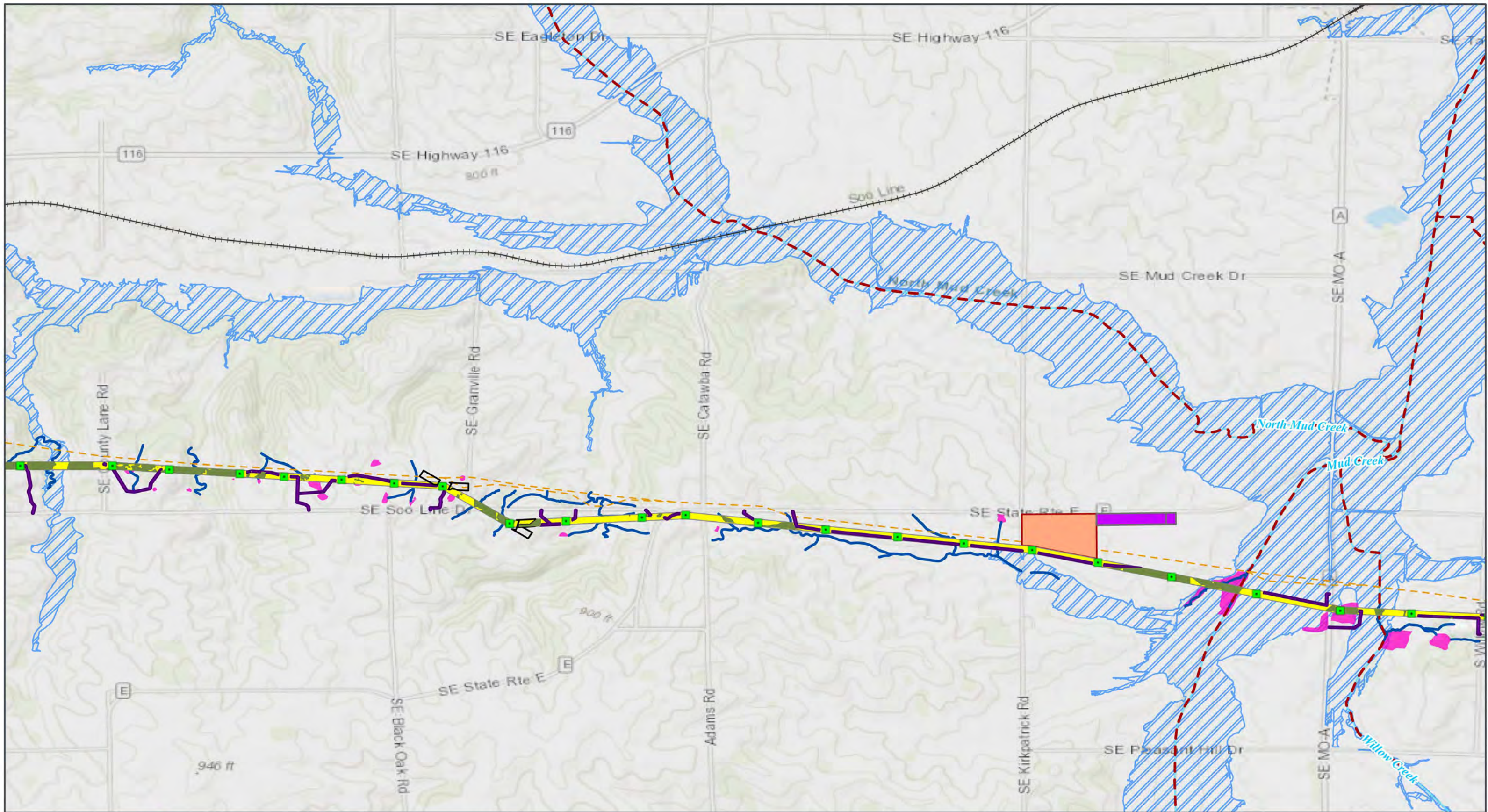


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W



NOTE: In some instances, center pivots appear as ovals due to map projection.

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook\_24k  
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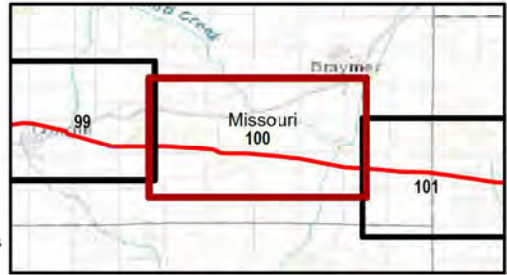


GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 100 of 127

- Transmission Structure
- Habitat Conversion
- Laydown Yard
- Access Road
- Helipad / Fly Yard
- Pull Site/Tension Site

- ROW
- Existing Pipeline
- County Boundary
- State Boundary
- Surface Management Agency**
- Private or Unknown

- Hydrology**
- Delineated Stream
  - Delineated Wetland
  - NHD Stream/River
  - Impaired Waterway (303d)
  - 100-year FEMA Floodplain
  - + + + Railroad

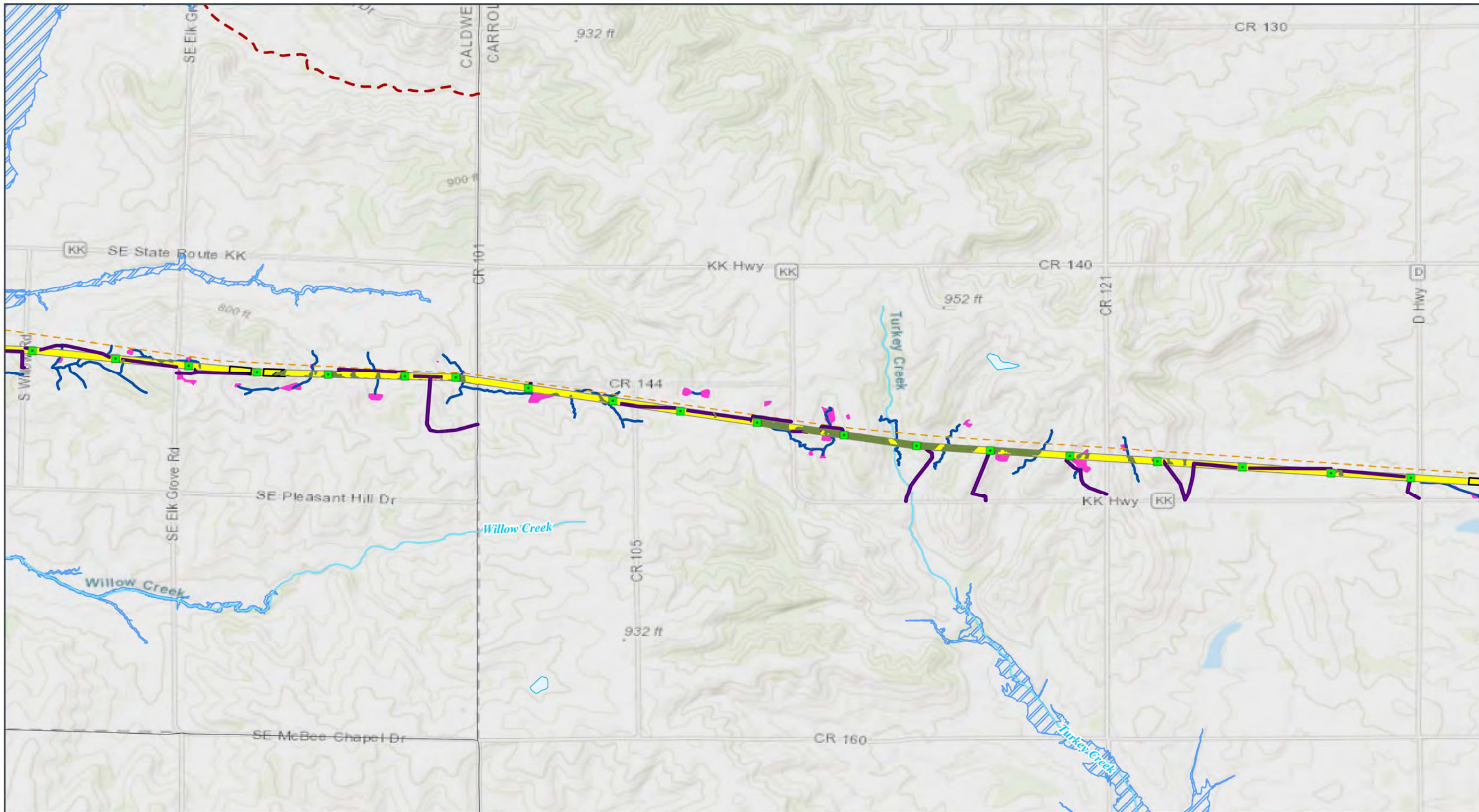


Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

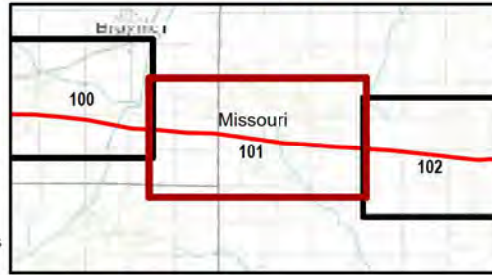
NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 101 of 127



- |                        |                                  |                          |
|------------------------|----------------------------------|--------------------------|
| Transmission Structure | County Boundary                  | Delineated Wetland       |
| Habitat Conversion     | State Boundary                   | NHD Stream/River         |
| Access Road            | <b>Surface Management Agency</b> | Impaired Waterway (303d) |
| Pull Site/Tension Site | Private or Unknown               | NHD Waterbody            |
| ROW                    | <b>Hydrology</b>                 | 100-year FEMA Floodplain |
| Existing Pipeline      | Delineated Stream                |                          |



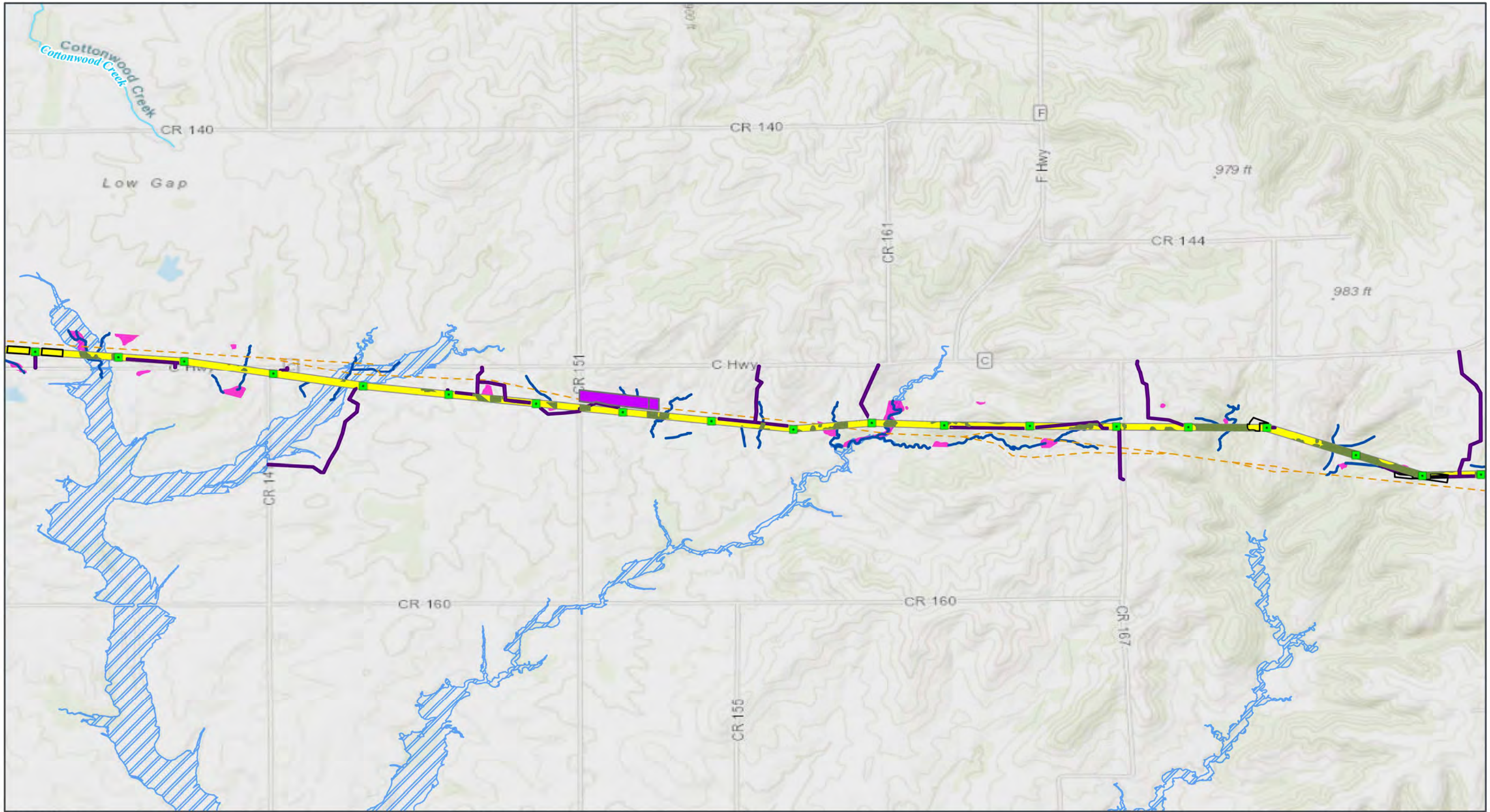
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Kansas and Missouri

Base Map: Esri ArcGIS Online,  
accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k

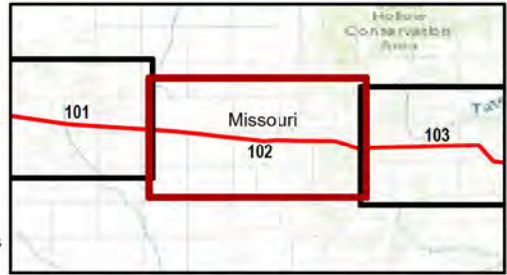
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NOTE: In some instances, center pivots appear as ovals due to map projection.



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 102 of 127

- |                        |                                  |                          |
|------------------------|----------------------------------|--------------------------|
| Transmission Structure | Existing Pipeline                | <b>Hydrology</b>         |
| Habitat Conversion     | County Boundary                  | Delineated Stream        |
| Access Road            | State Boundary                   | Delineated Wetland       |
| Helipad / Fly Yard     | <b>Surface Management Agency</b> | NHD Stream/River         |
| Pull Site/Tension Site | Private or Unknown               | 100-year FEMA Floodplain |
| ROW                    |                                  |                          |

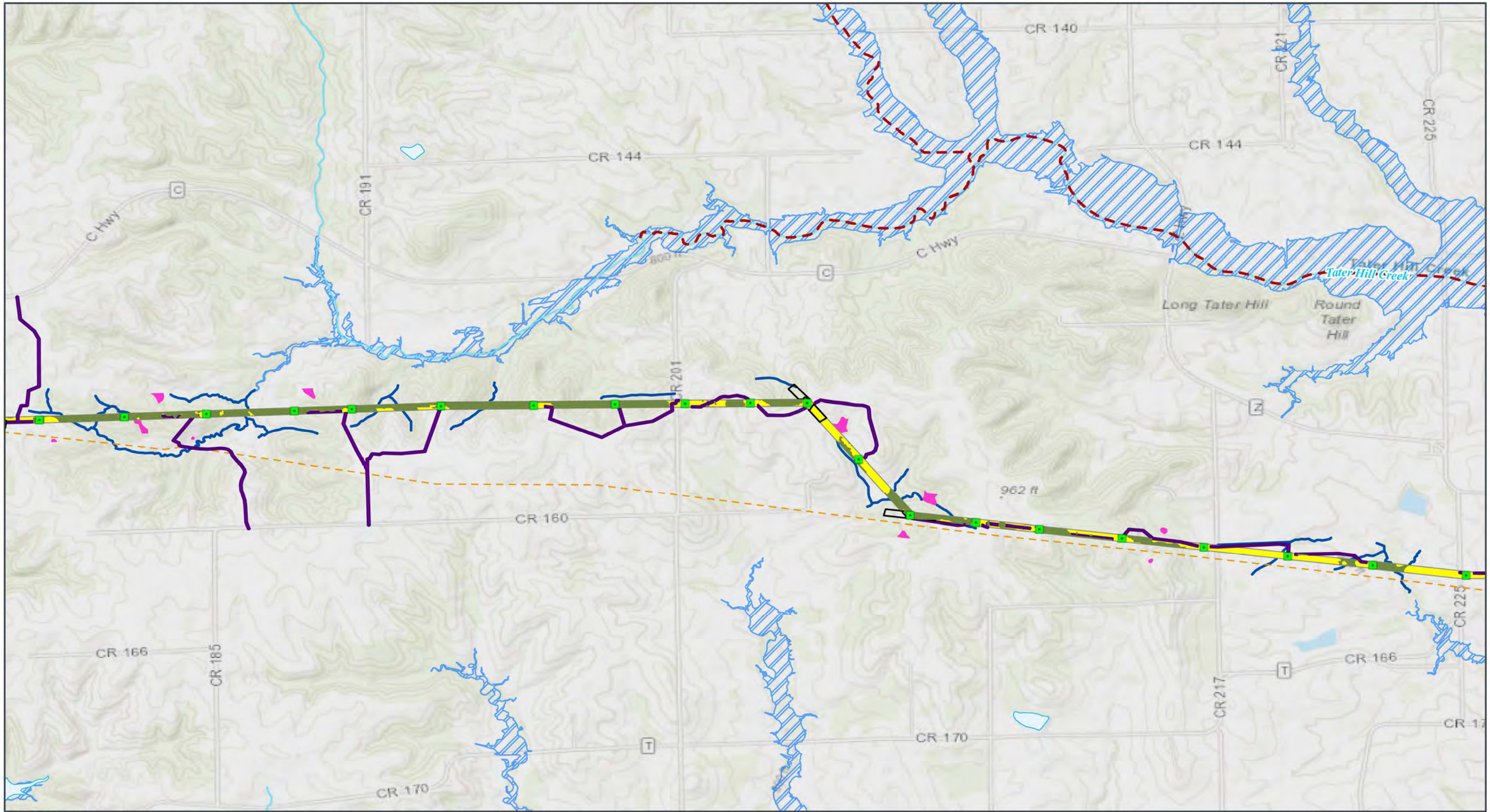


NOTE: In some instances, center pivots appear as ovals due to map projection.

Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

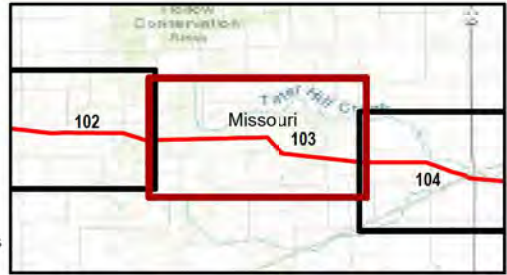
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Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS MapBook\_24k  
Apr: DEIS\_MapBook\_24k



GRAIN BELT EXPRESS  
TRANSMISSION LINE PROJECT  
**Resource Map Book**  
Map 103 of 127

- |                        |                                  |                          |
|------------------------|----------------------------------|--------------------------|
| Transmission Structure | County Boundary                  | Delineated Wetland       |
| Access Road            | State Boundary                   | NHD Stream/River         |
| ROW                    | <b>Surface Management Agency</b> | Impaired Waterway (303d) |
| Habitat Conversion     | Private or Unknown               | NHD Waterbody            |
| Pull Site/Tension Site | <b>Hydrology</b>                 | 100-year FEMA Floodplain |
| Existing Pipeline      | Delineated Stream                |                          |



NOTE: In some instances, center pivots appear as ovals due to map projection.

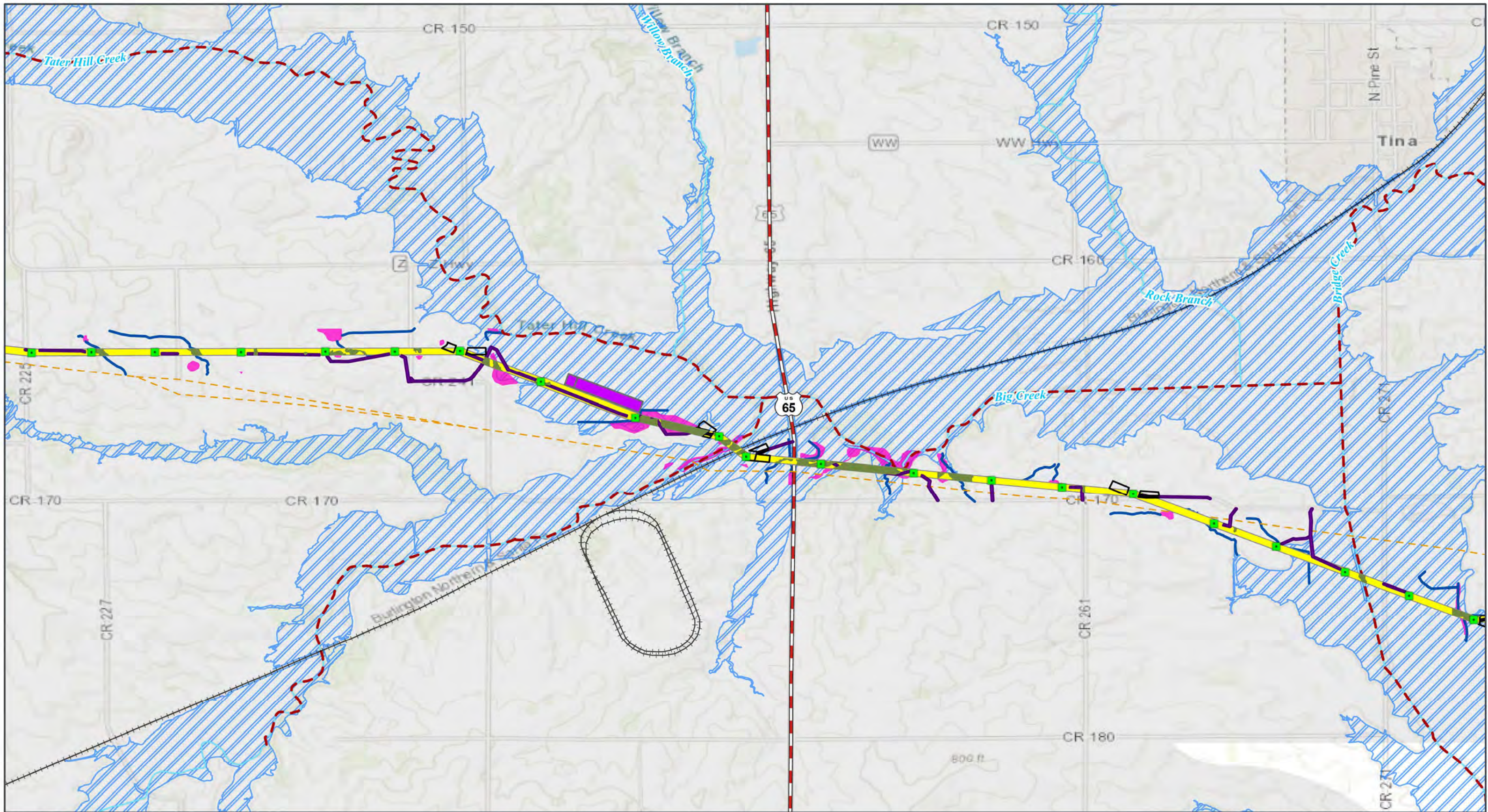
Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Kansas and Missouri

1:24,000

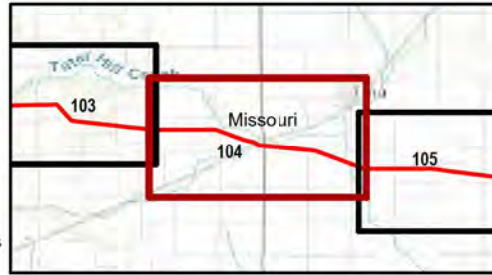
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0 250 500 Meters

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No. 60694559  
Layout: DEIS Mapbook 24k  
Apr: DEIS\_MapBook\_24k



- |                        |                                  |                          |
|------------------------|----------------------------------|--------------------------|
| Transmission Structure | County Boundary                  | Delineated Waterbody     |
| Habitat Conversion     | State Boundary                   | NHD Stream/River         |
| Access Road            | <b>Surface Management Agency</b> | Impaired Waterway (303d) |
| Helipad / Fly Yard     | Private or Unknown               | 100-year FEMA Floodplain |
| Pull Site/Tension Site | <b>Hydrology</b>                 | <b>Transportation</b>    |
| ROW                    | Delineated Stream                | U.S. Highway             |
| Existing Pipeline      | Delineated Wetland               | Railroad                 |

- NOTE: In some instances, center pivots appear as ovals due to map projection.



Kansas and Missouri  
GCS North American 1983  
38.3365°N 95.5783°W

Base Map: Esri ArcGIS Online, accessed January 2025  
Updated: 1/6/2025  
Project No.: 60694559  
Layout: DEIS Mapbook\_24k  
Spre: DEIS\_MapBook\_24k

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0 900 1,800 Feet  
0 250 500 Meters