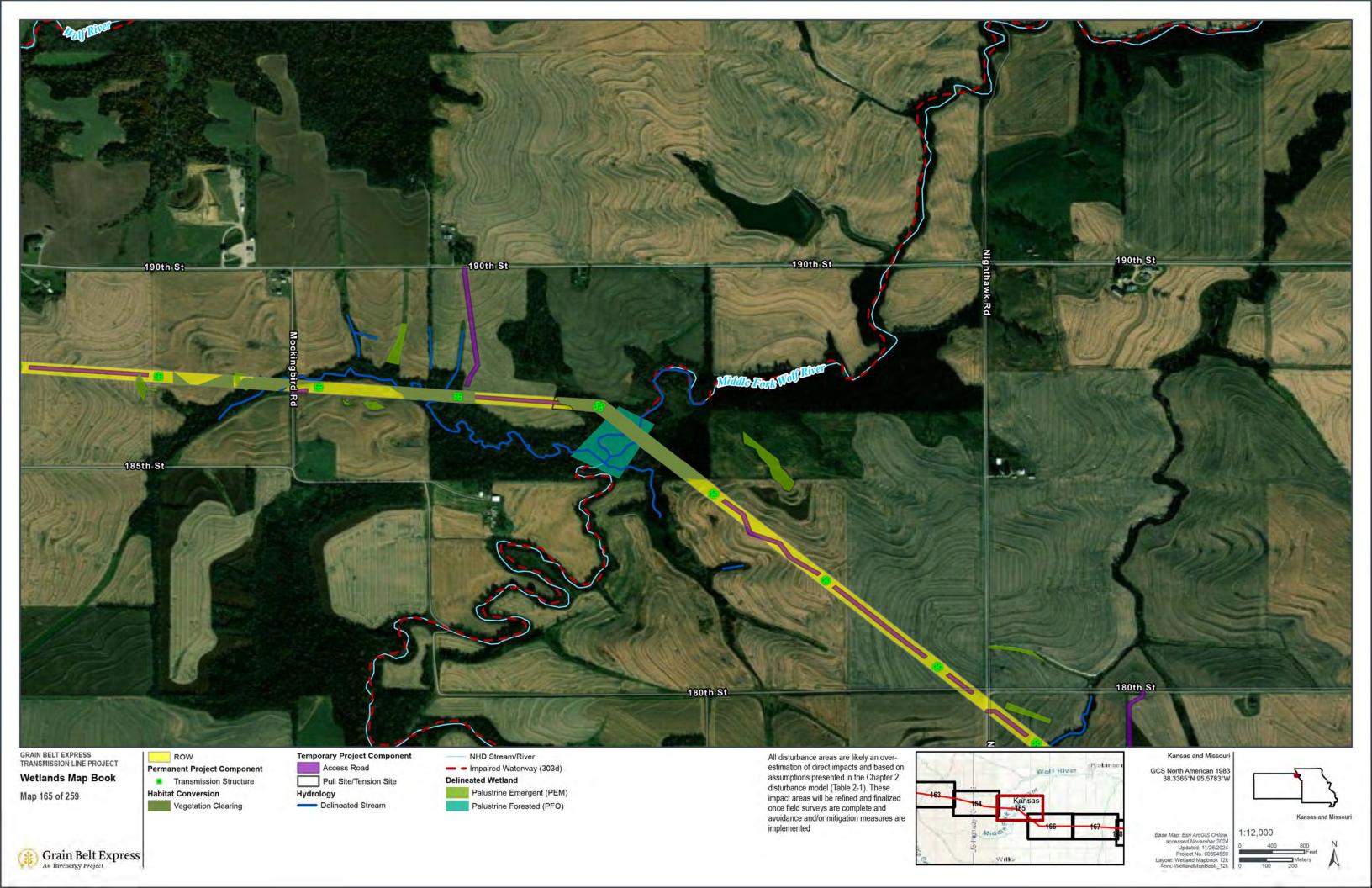
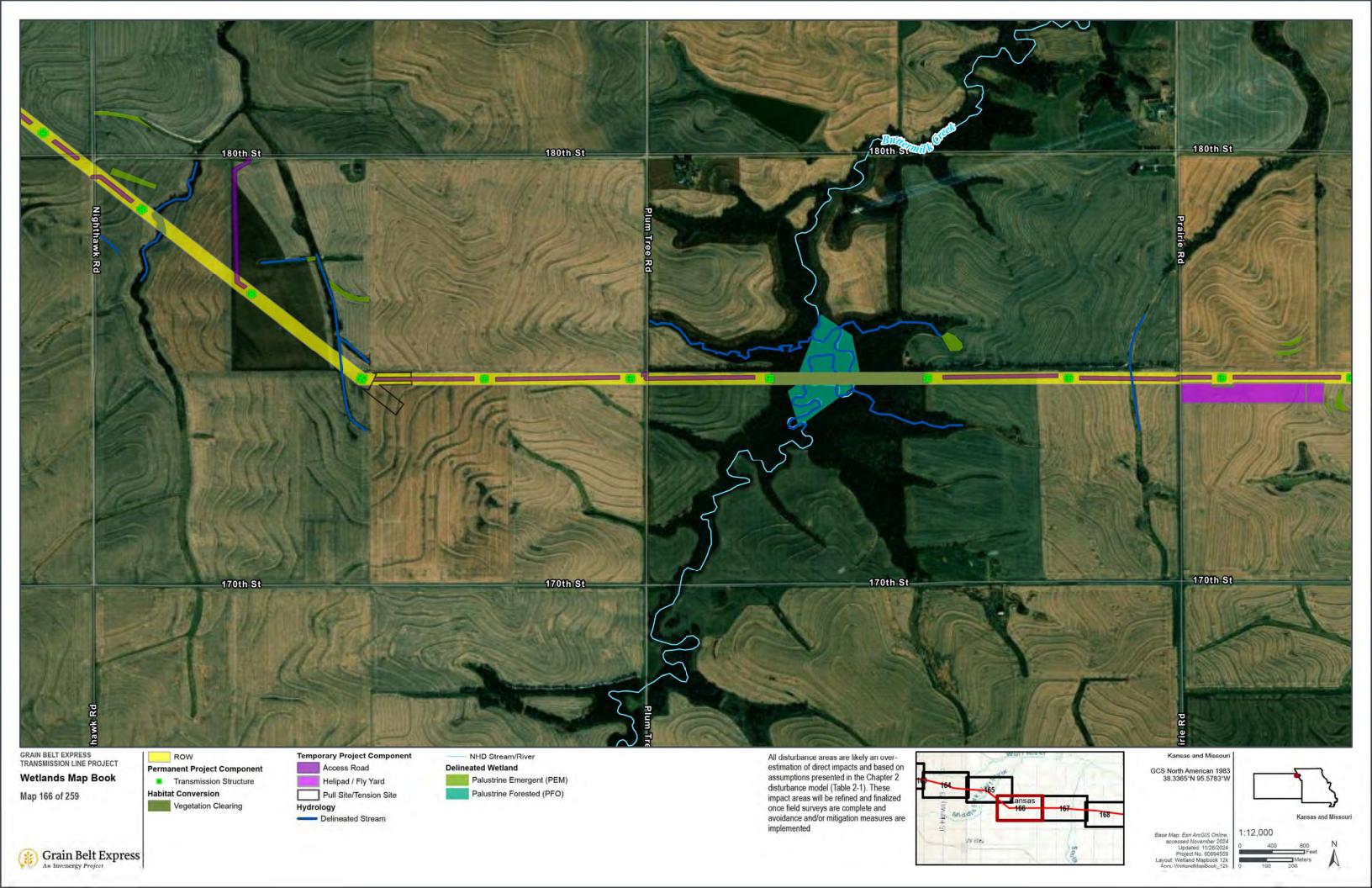
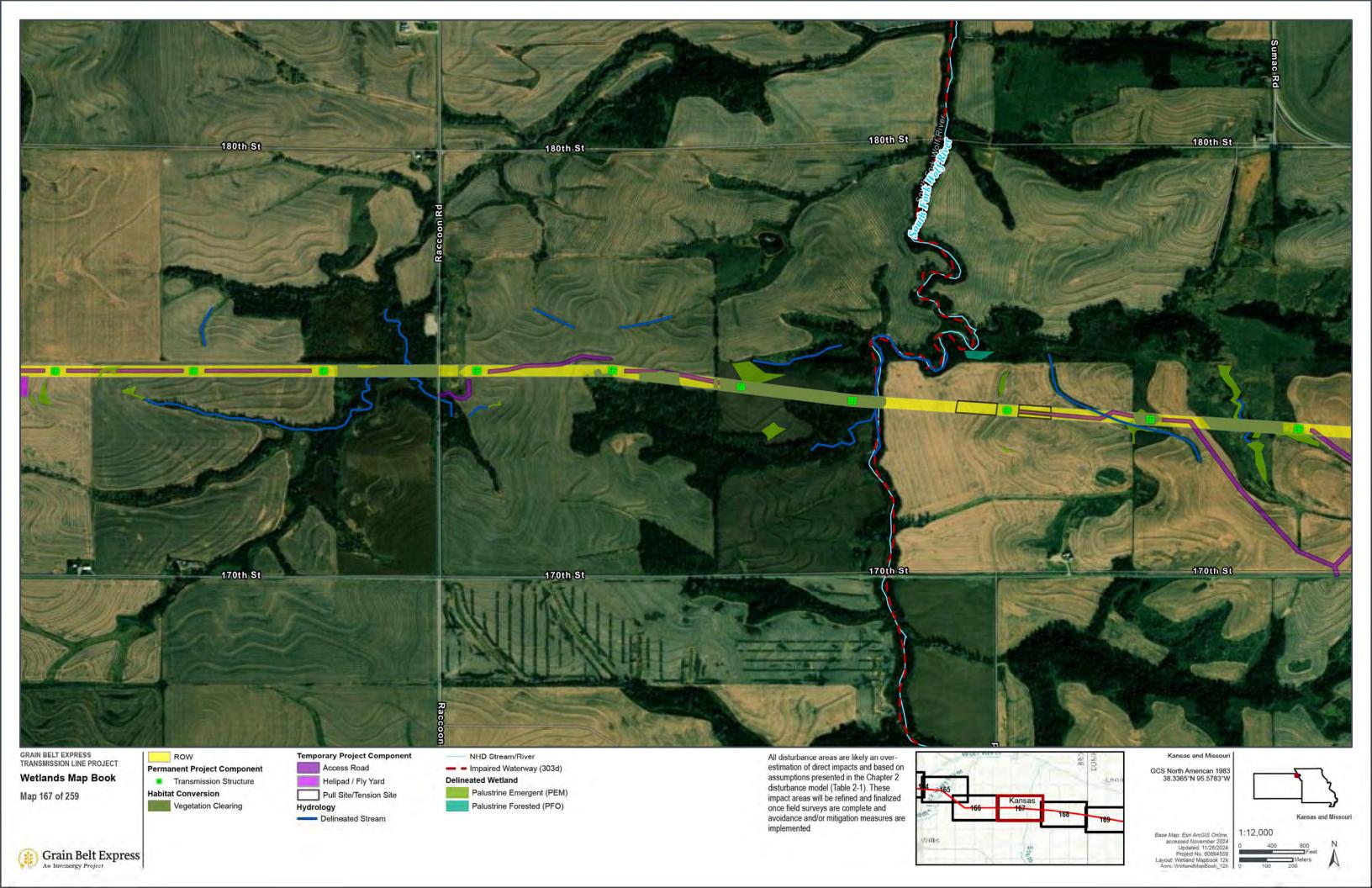
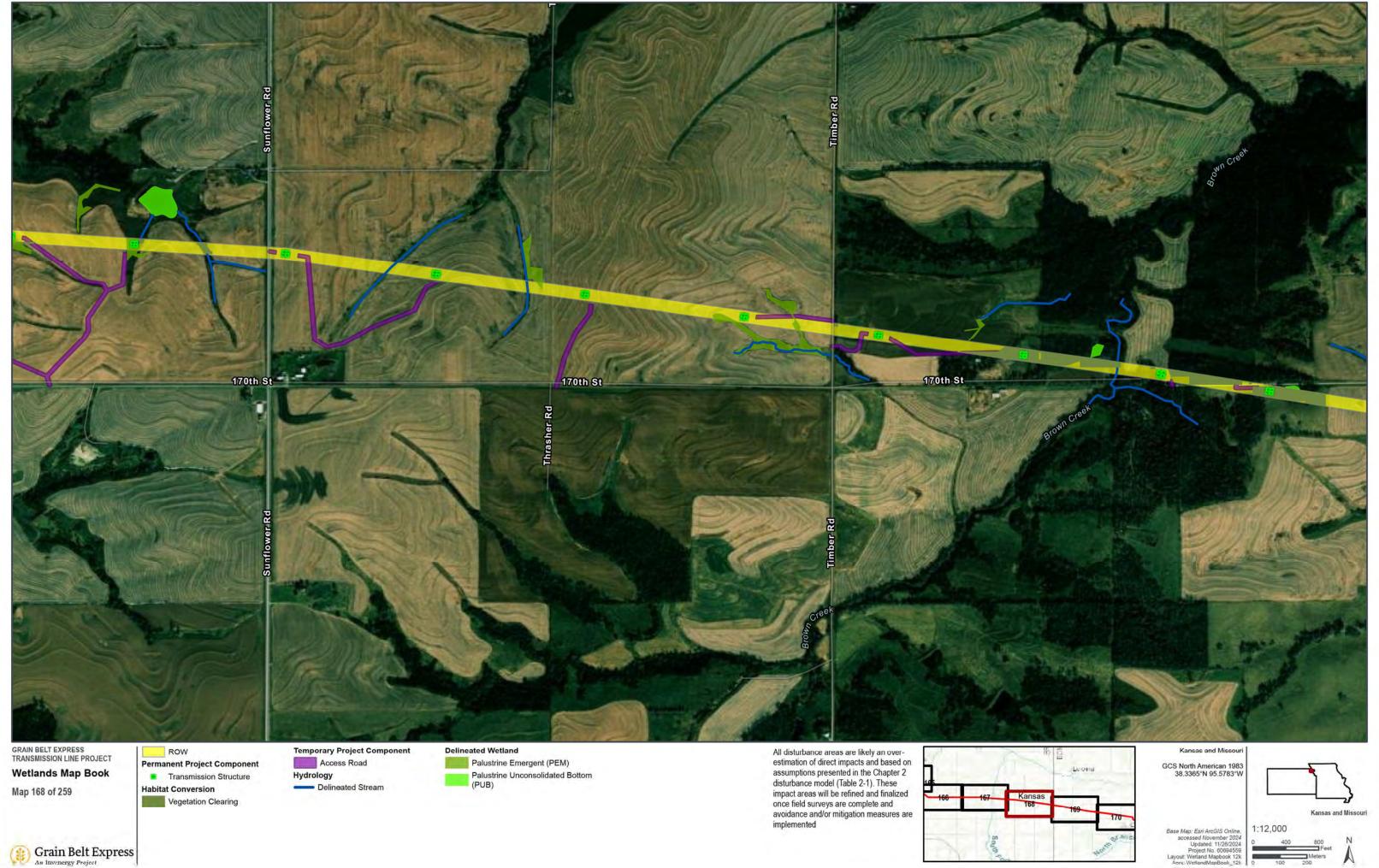
Grain Belt Express Transmission Line Environmental Impact Statement Appendix 3.4: Wetlands and Waters Maps

Continued

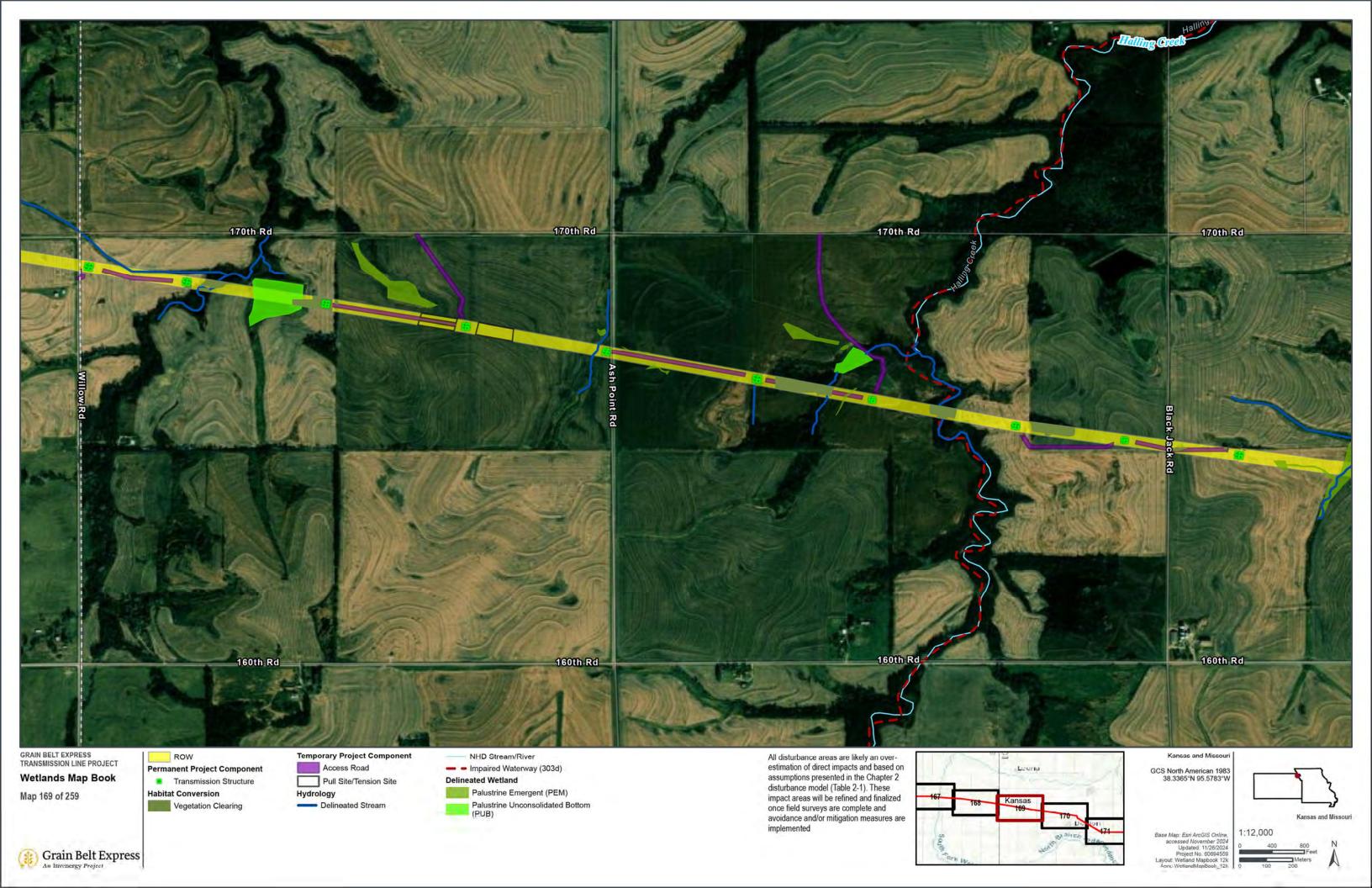


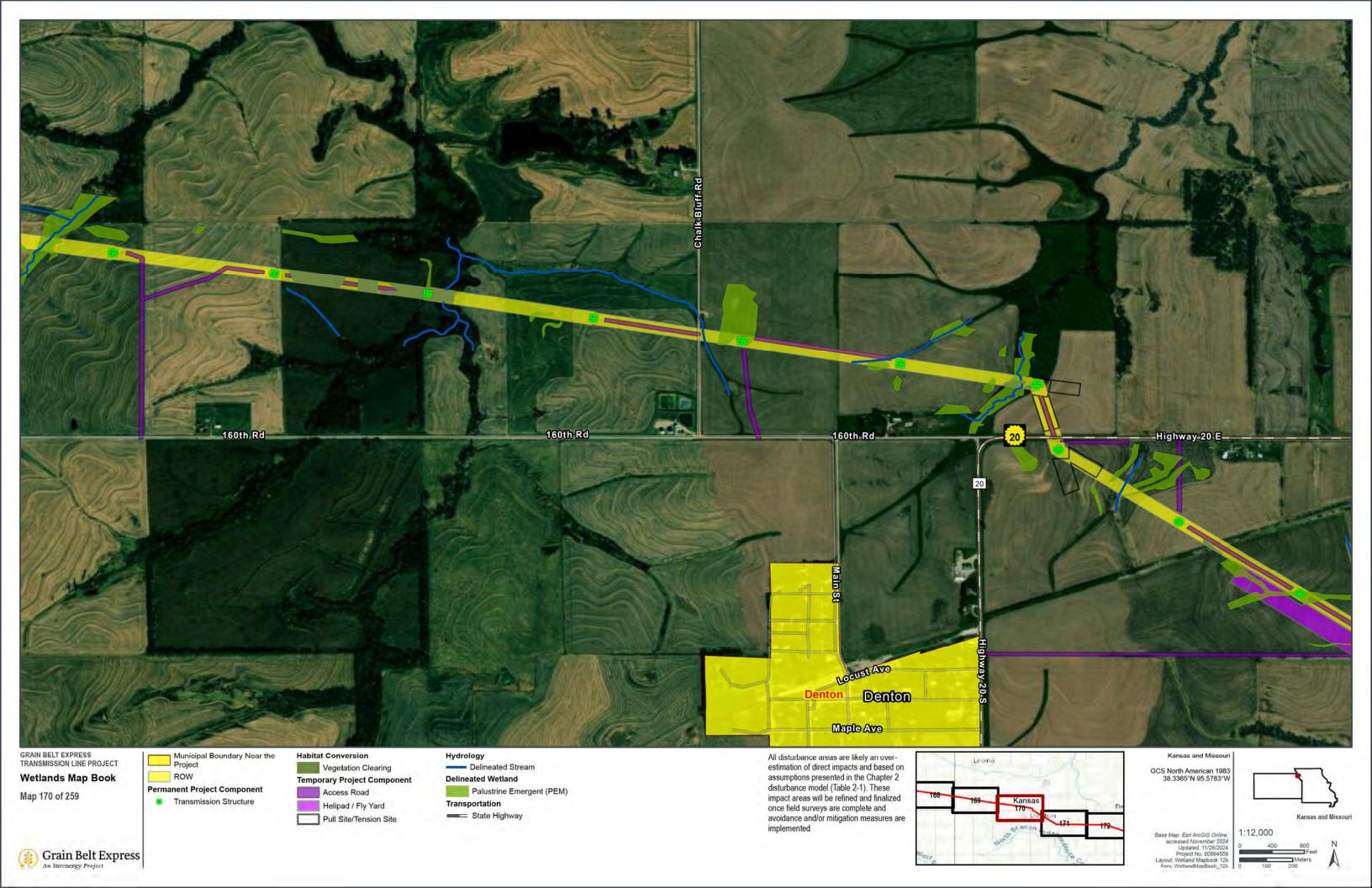


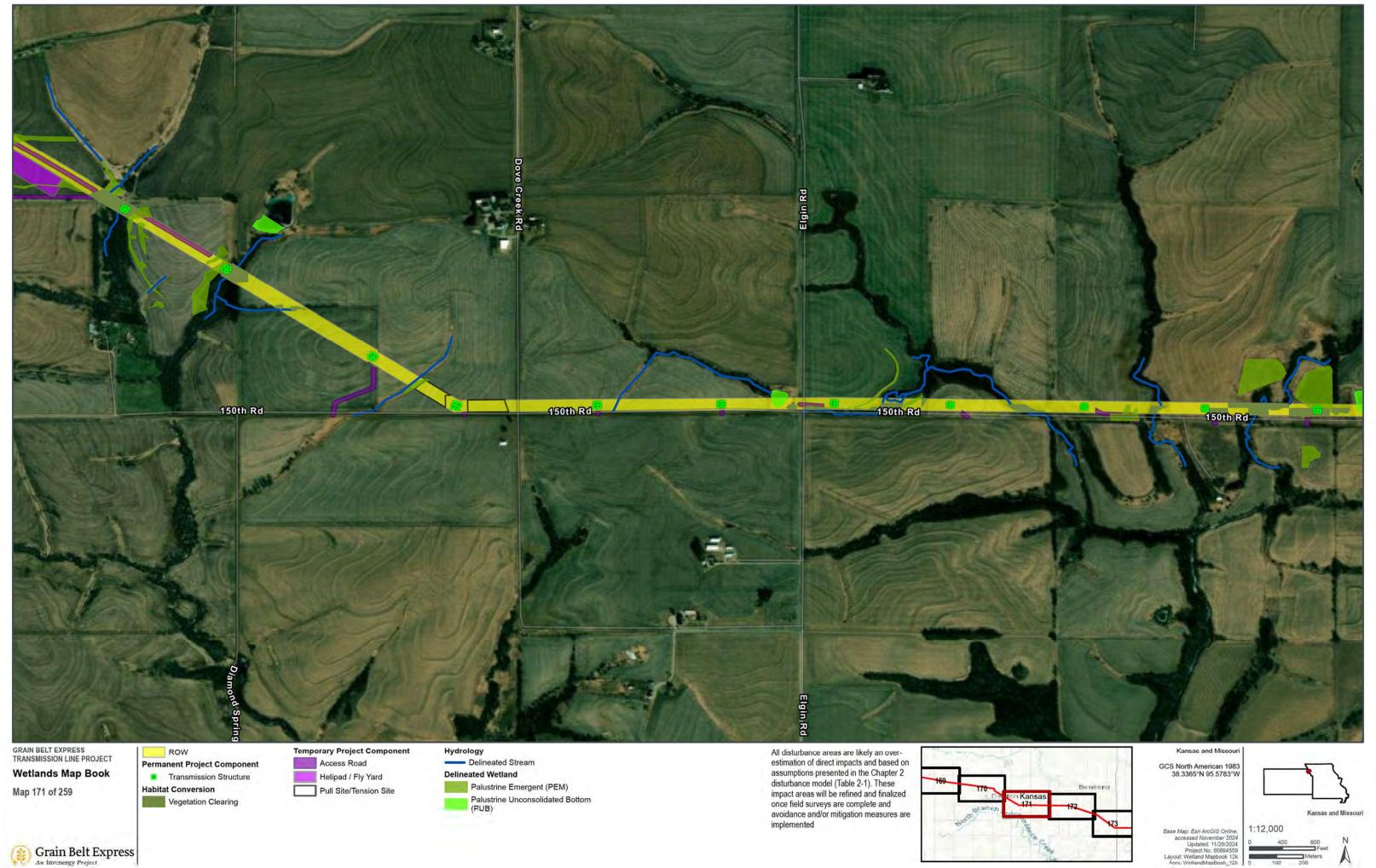




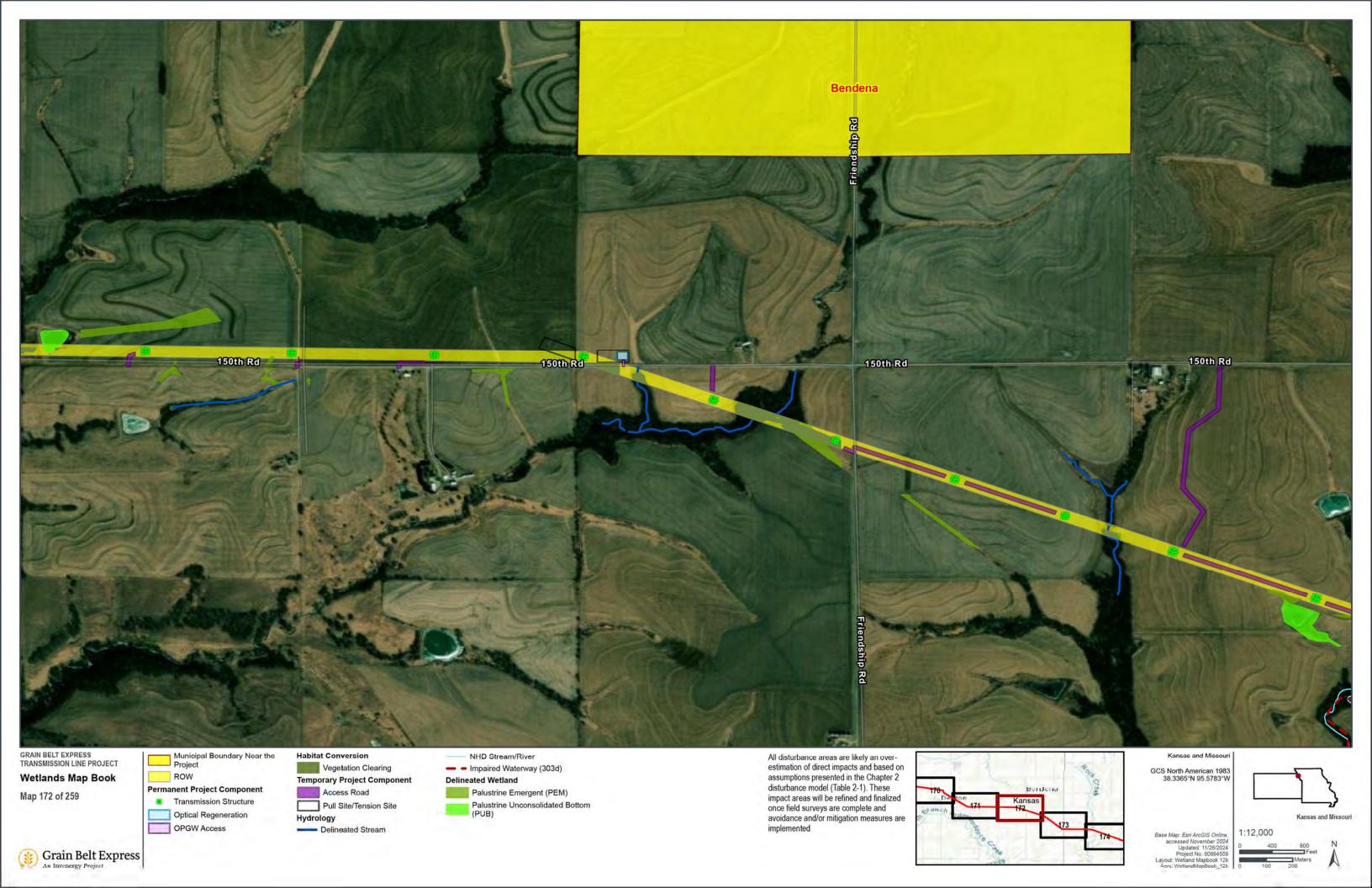
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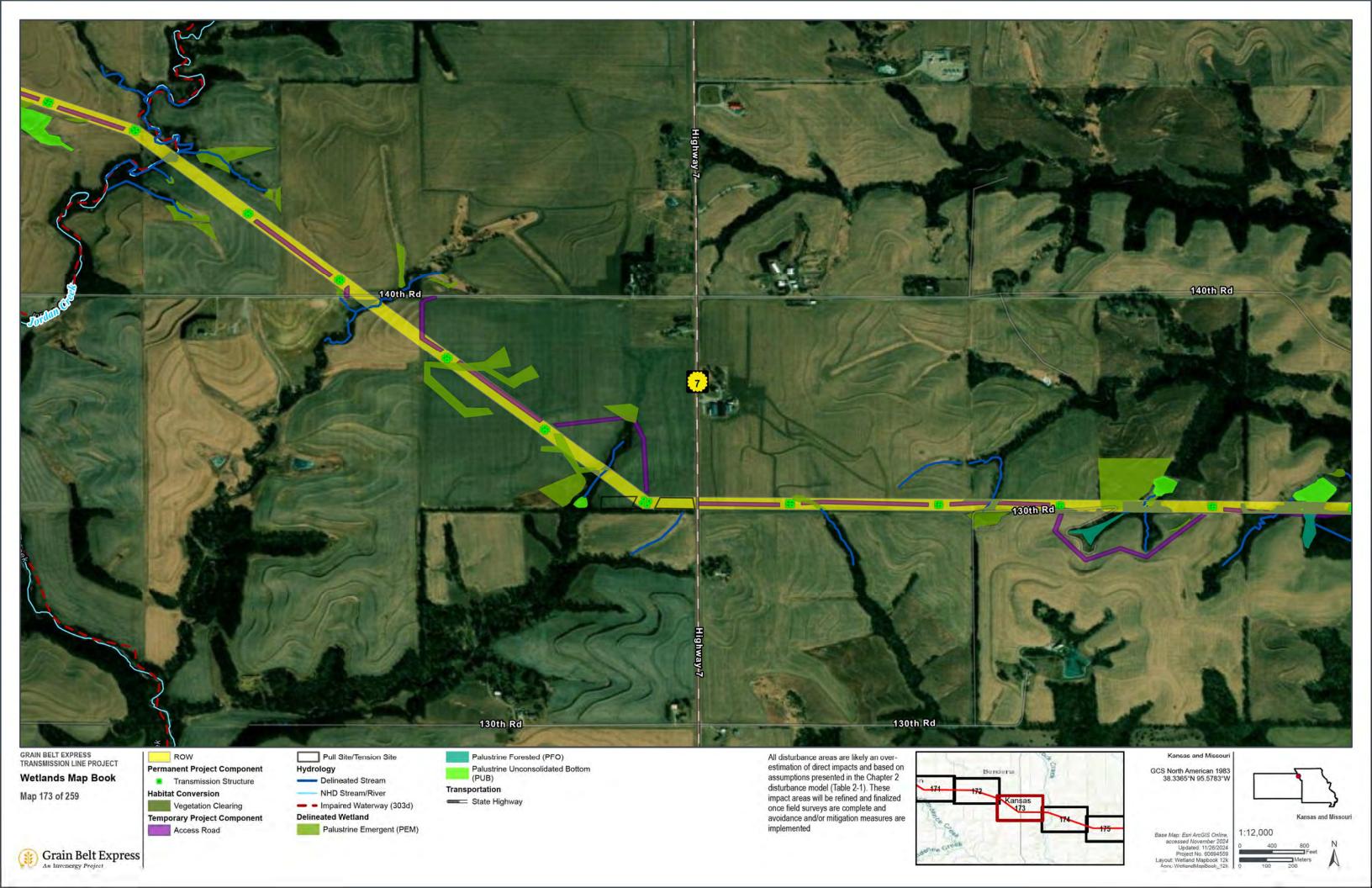


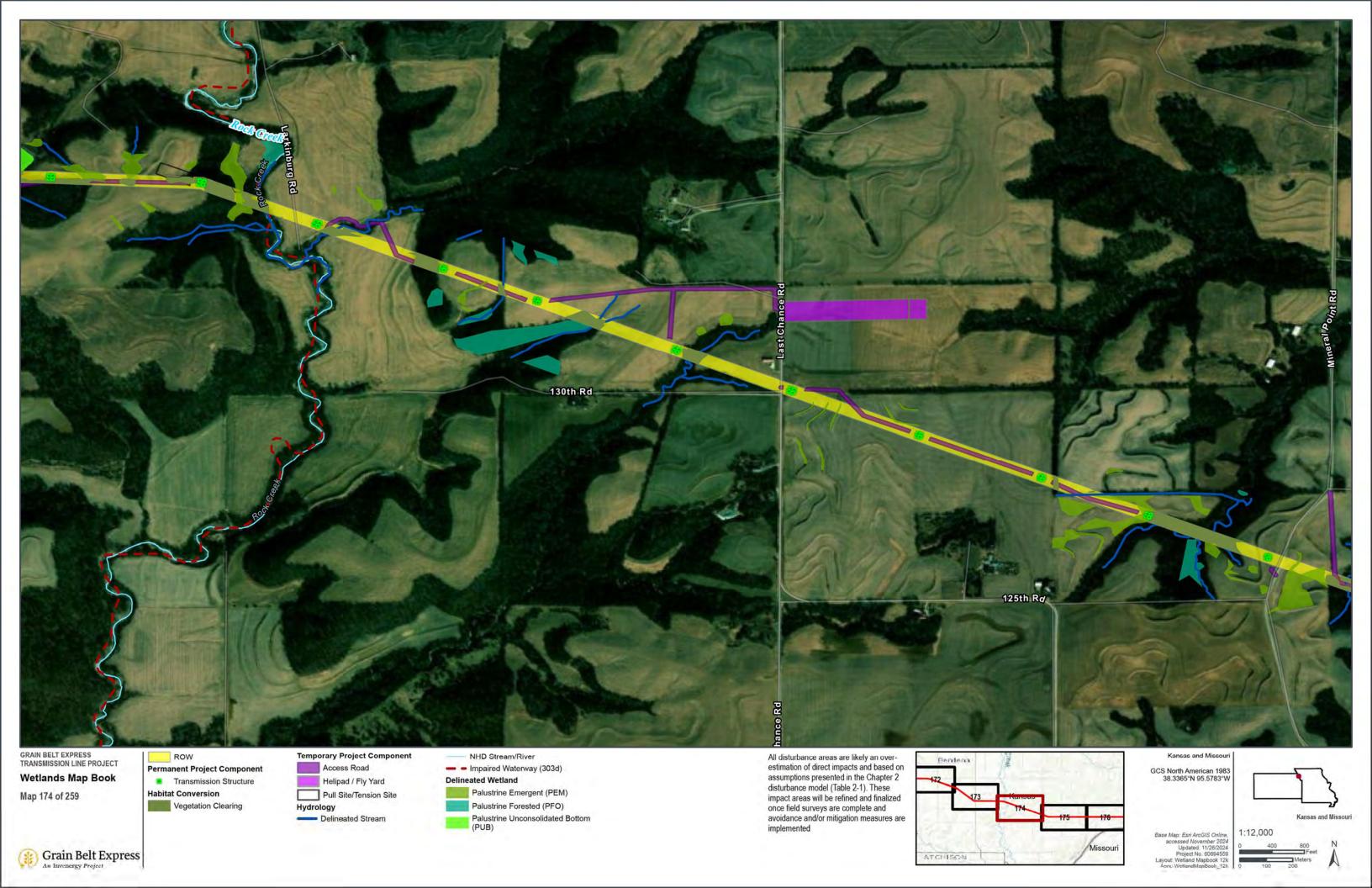


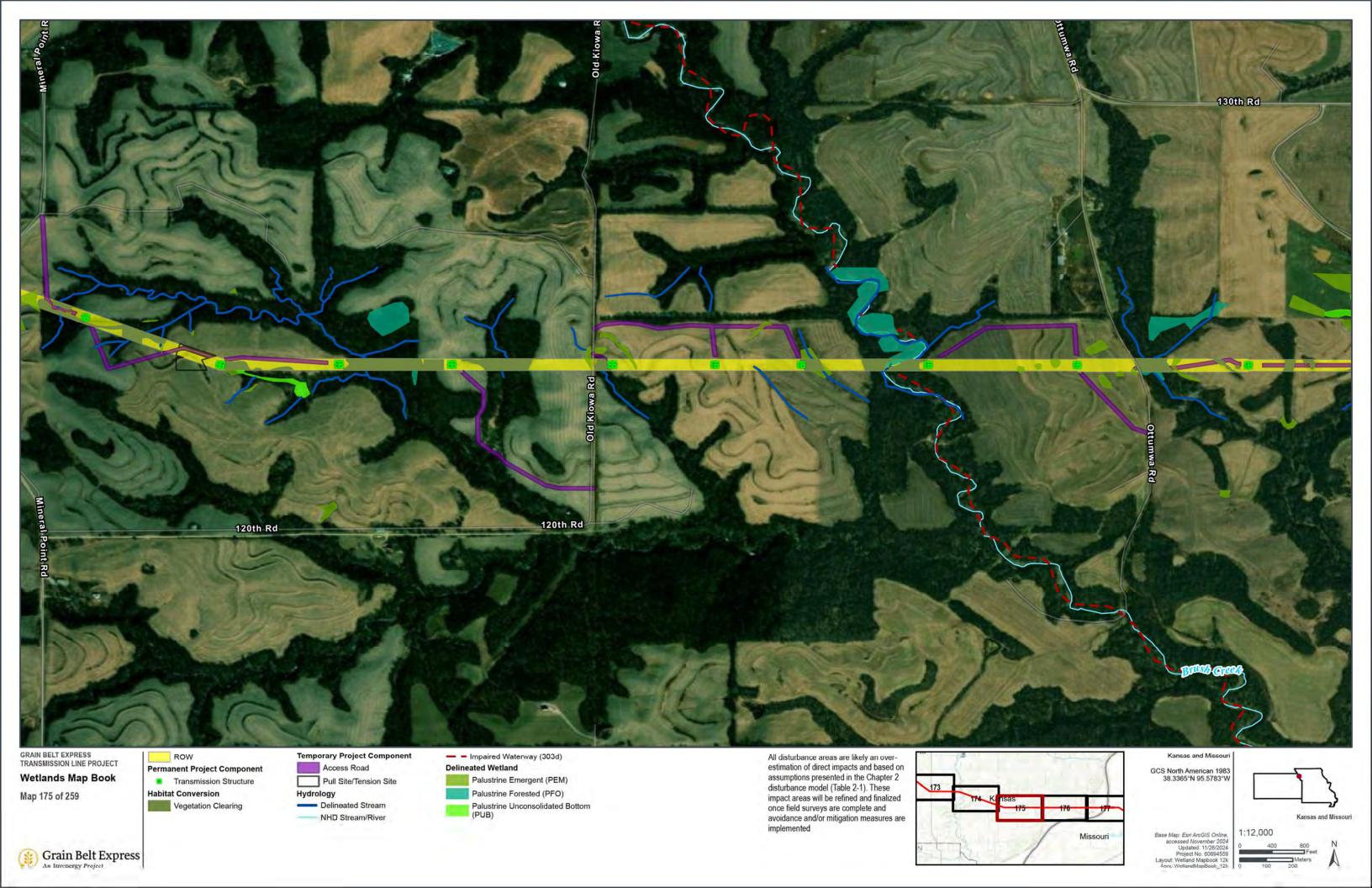


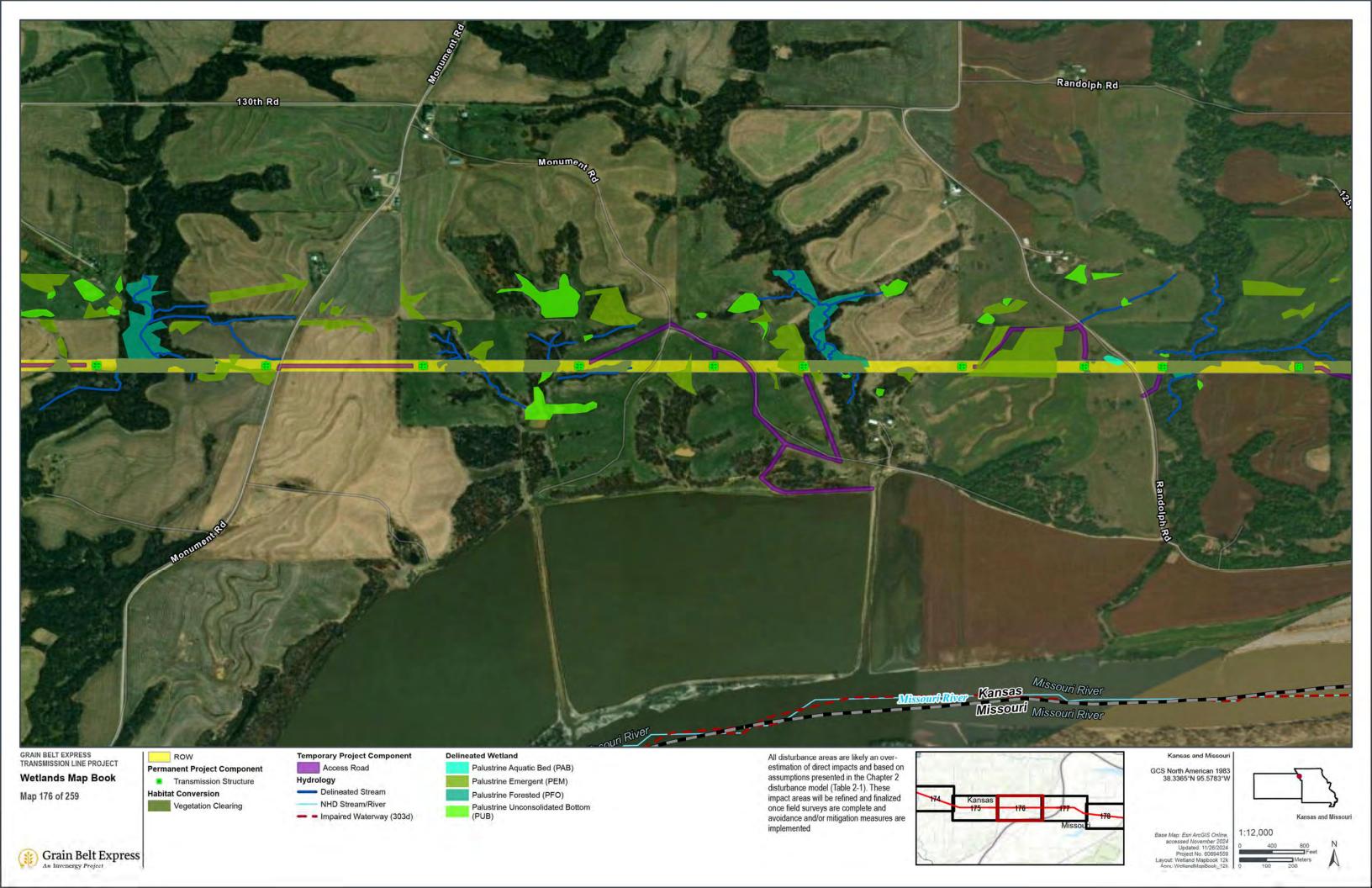
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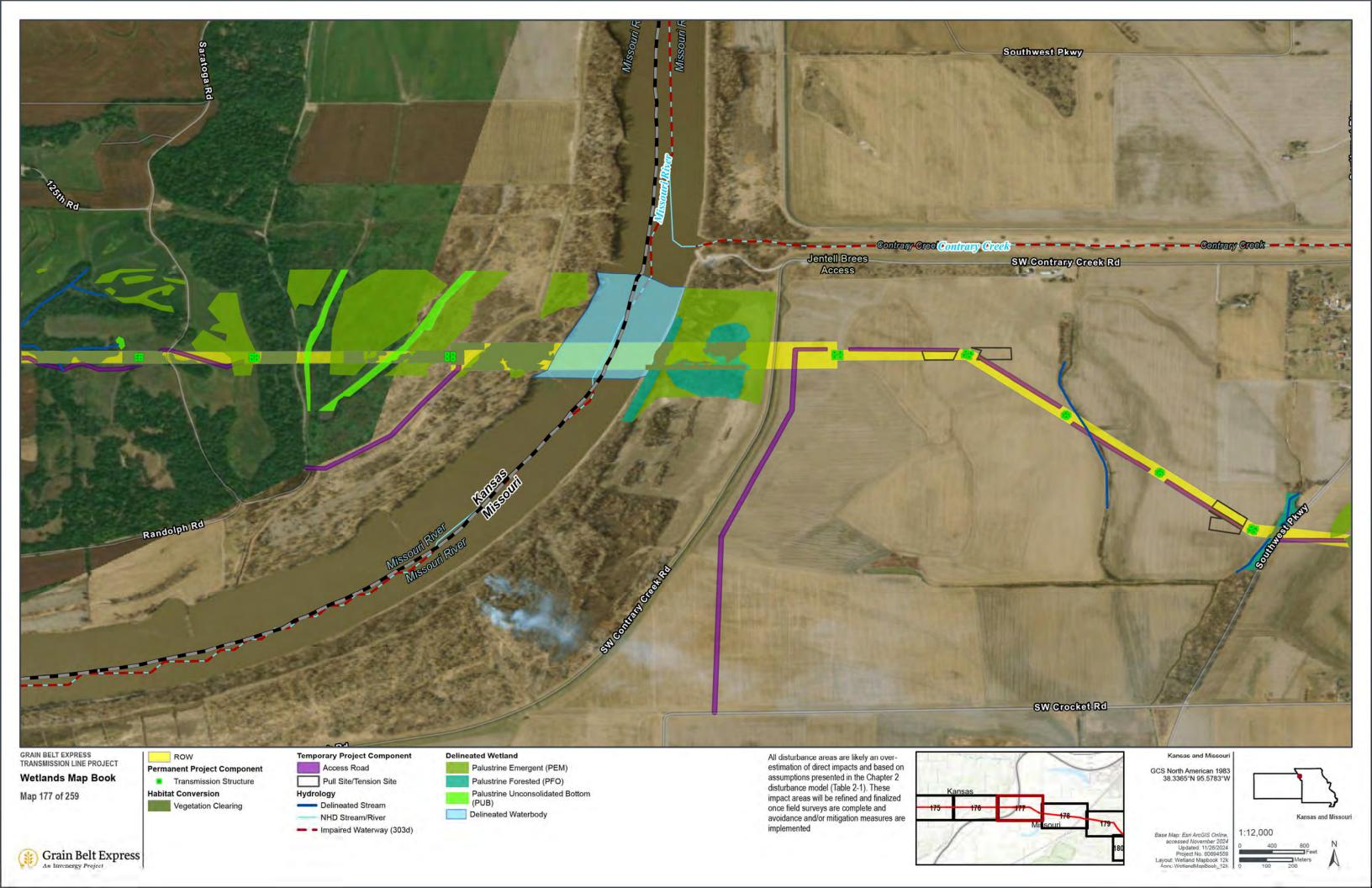


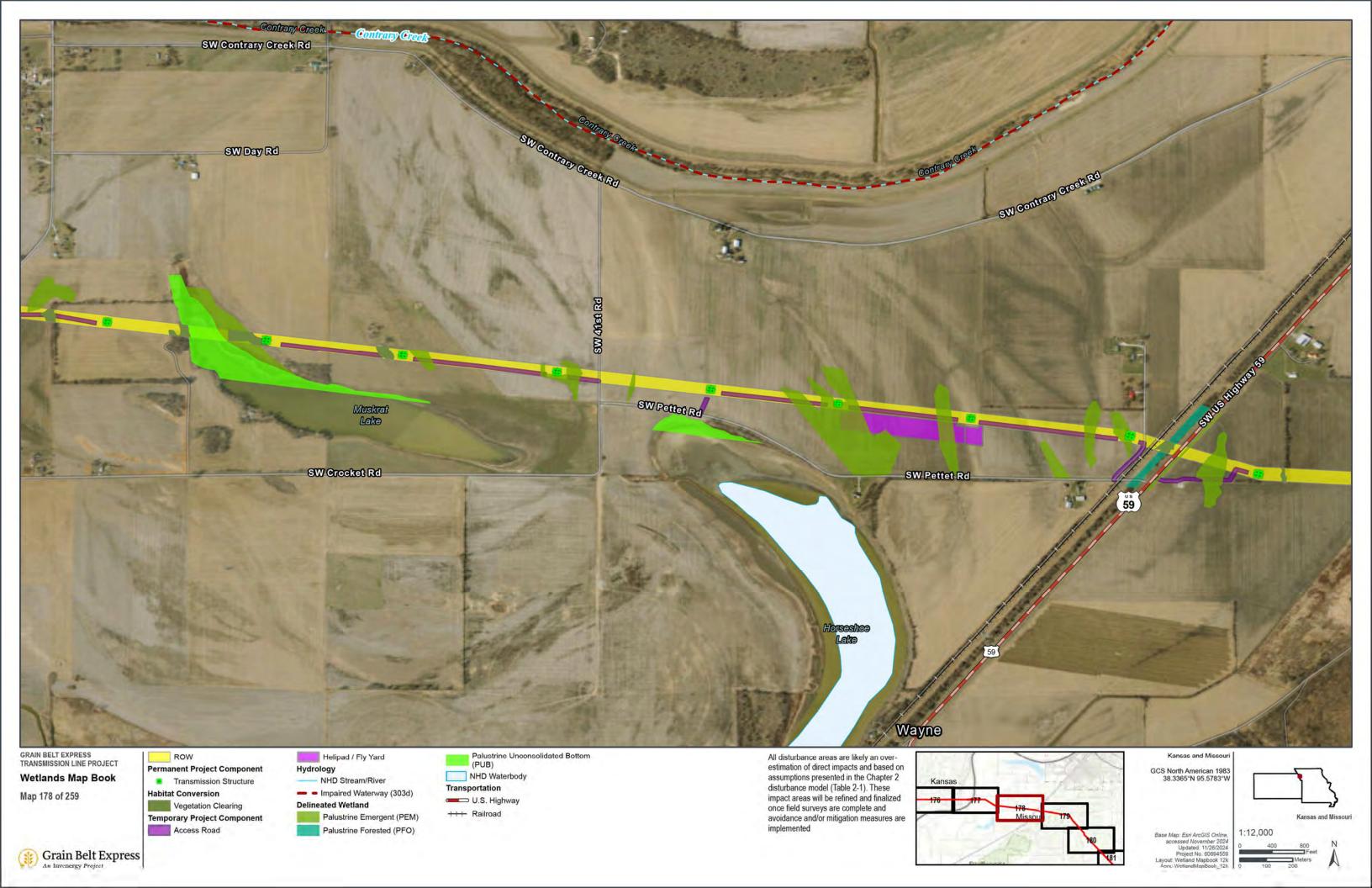


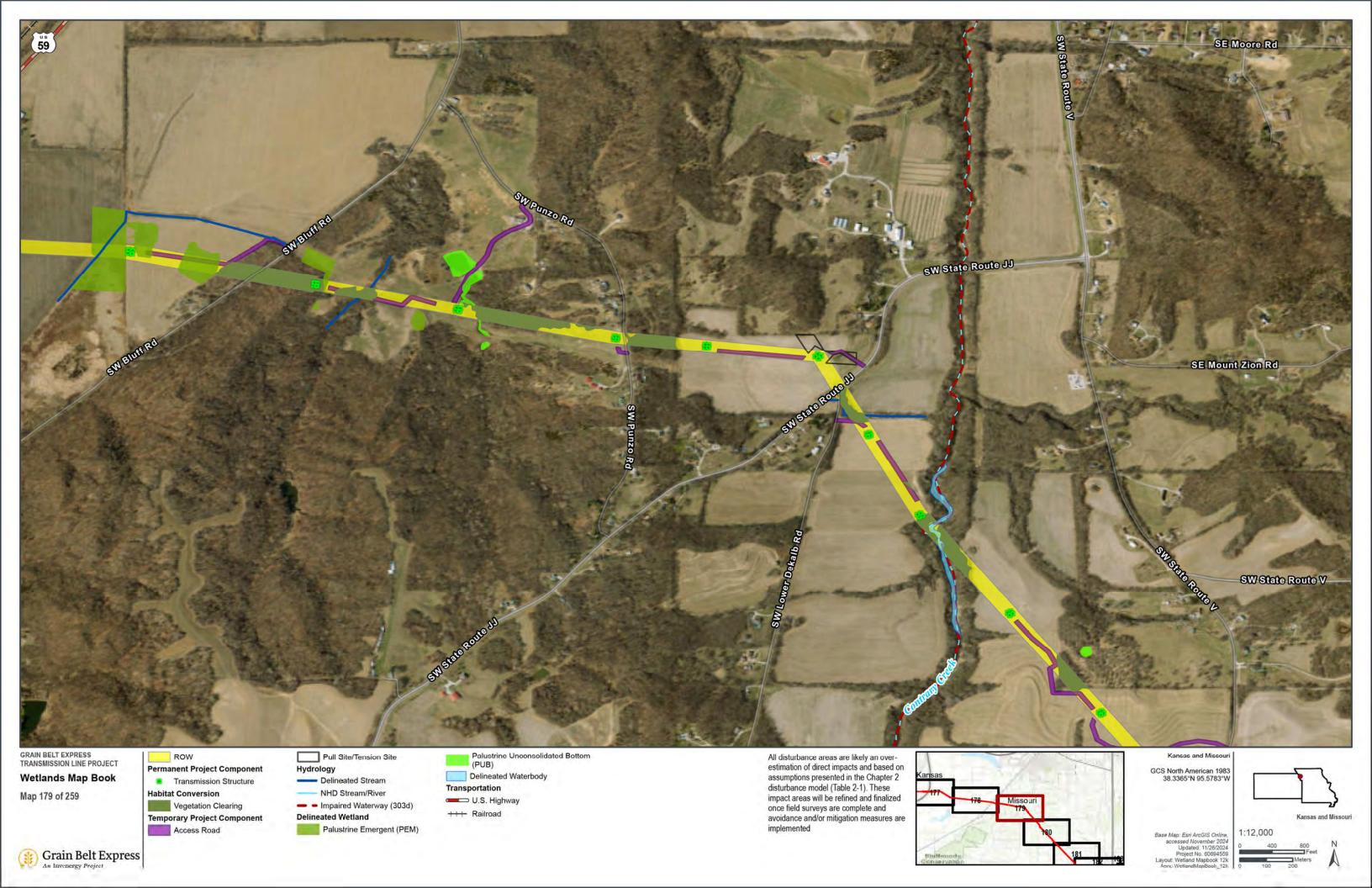


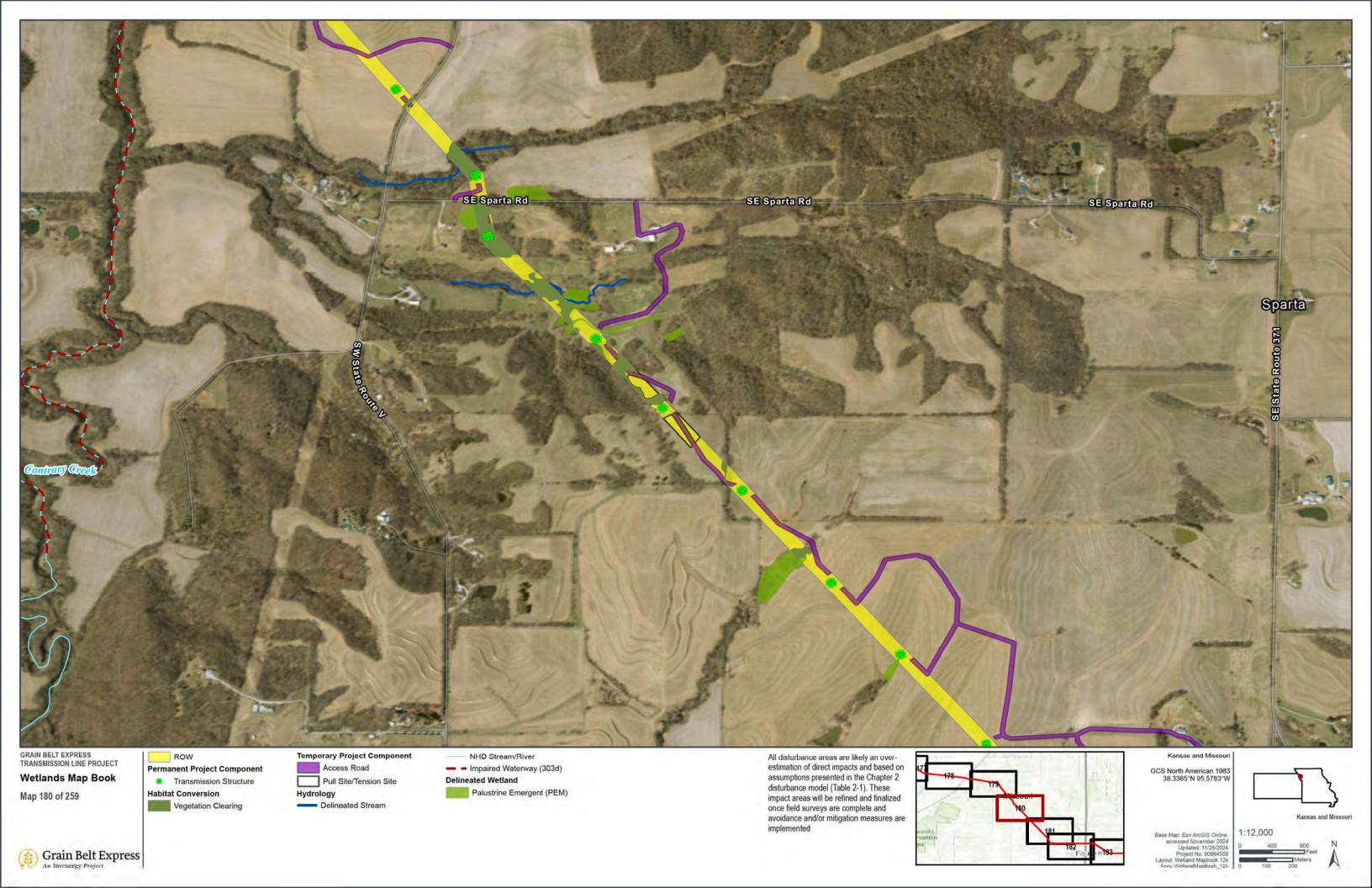


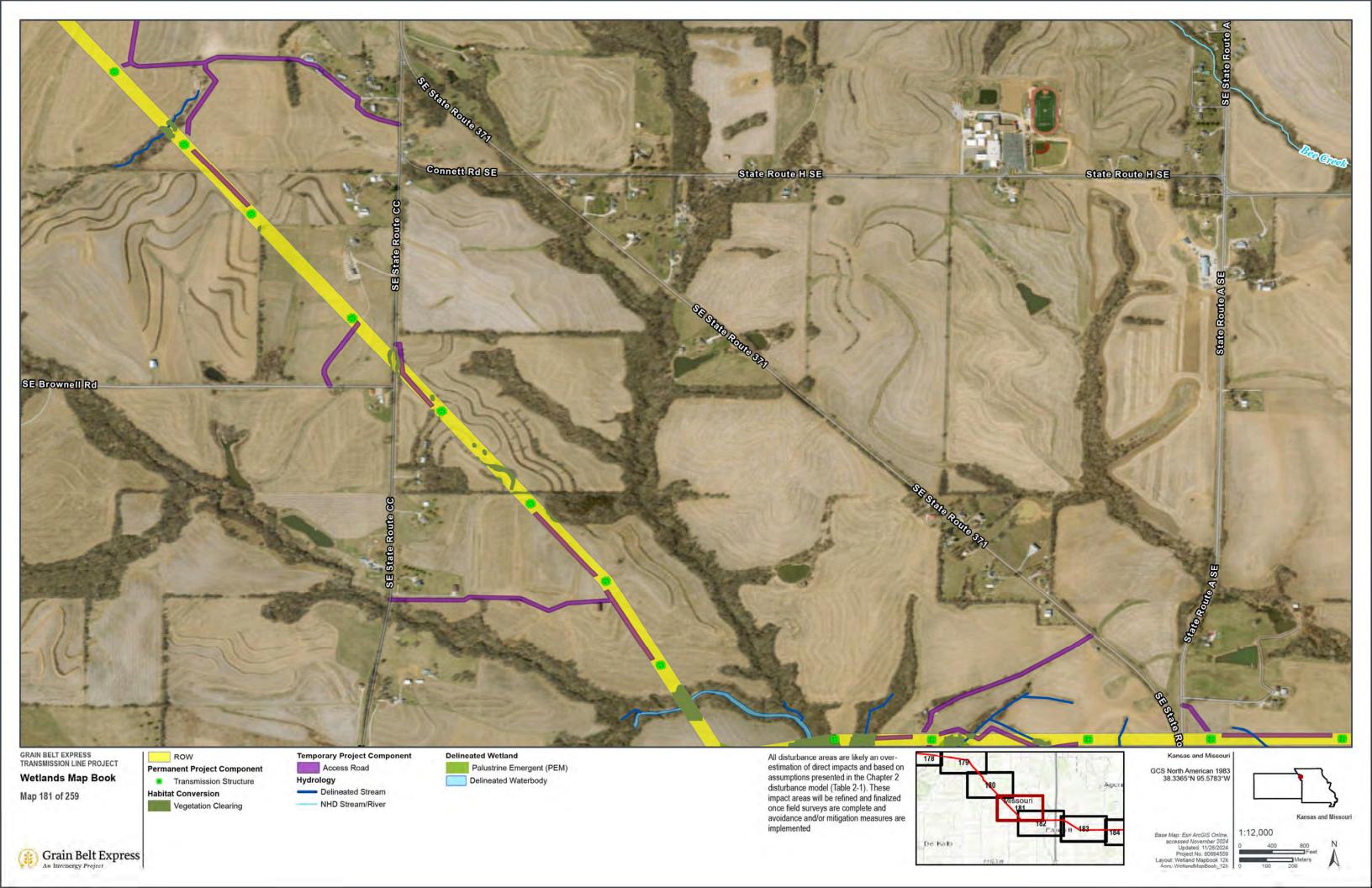


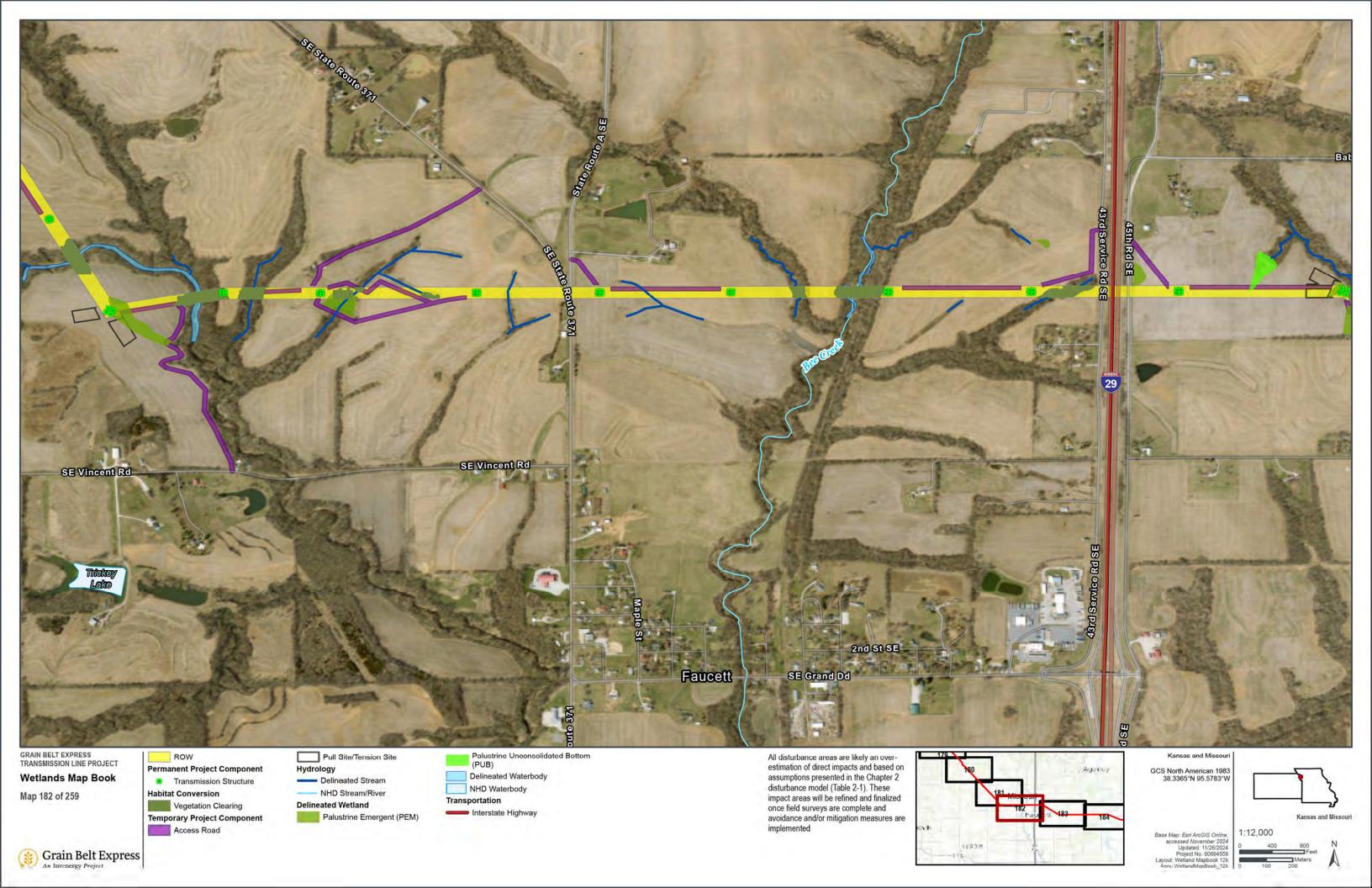


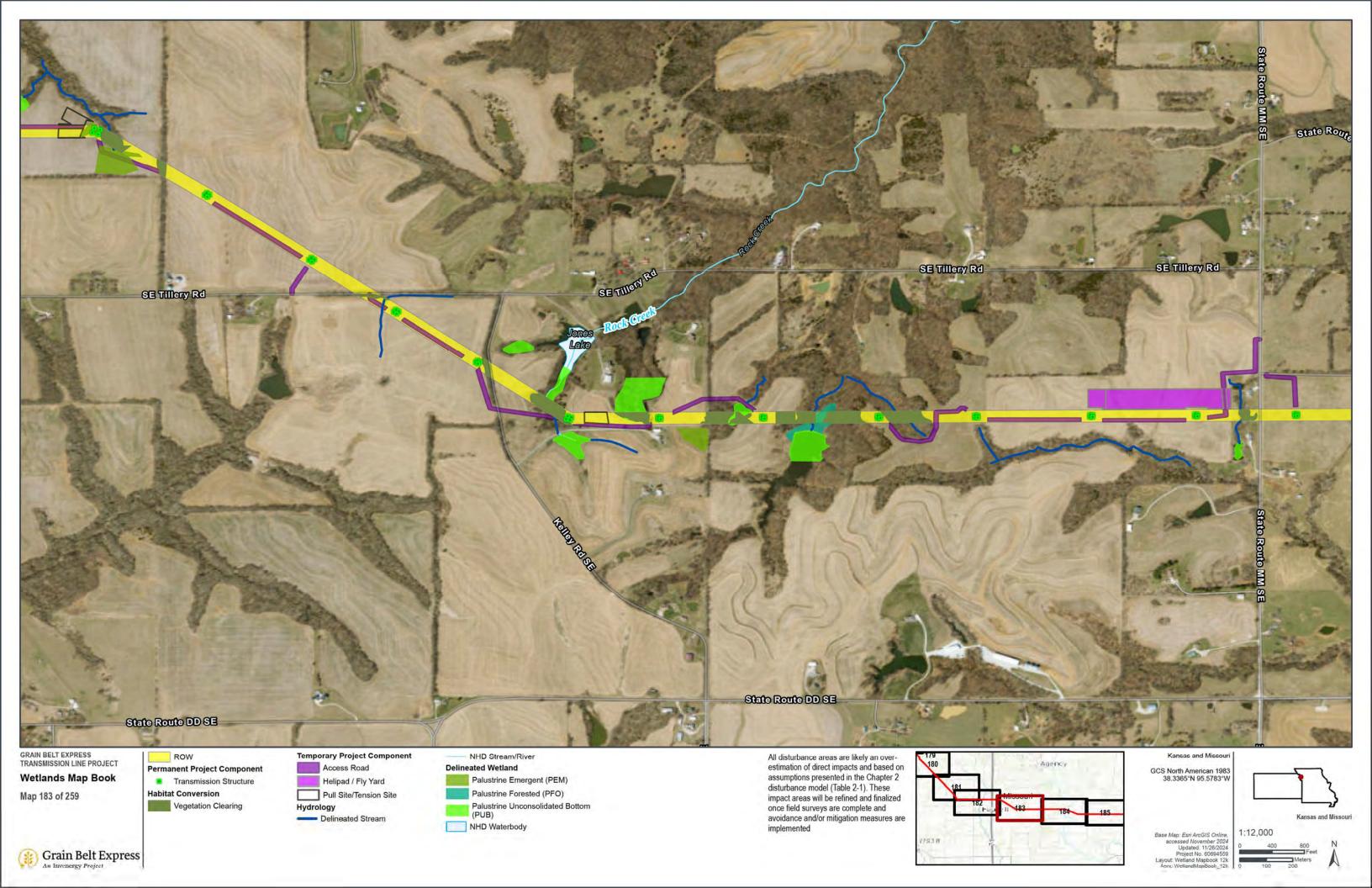


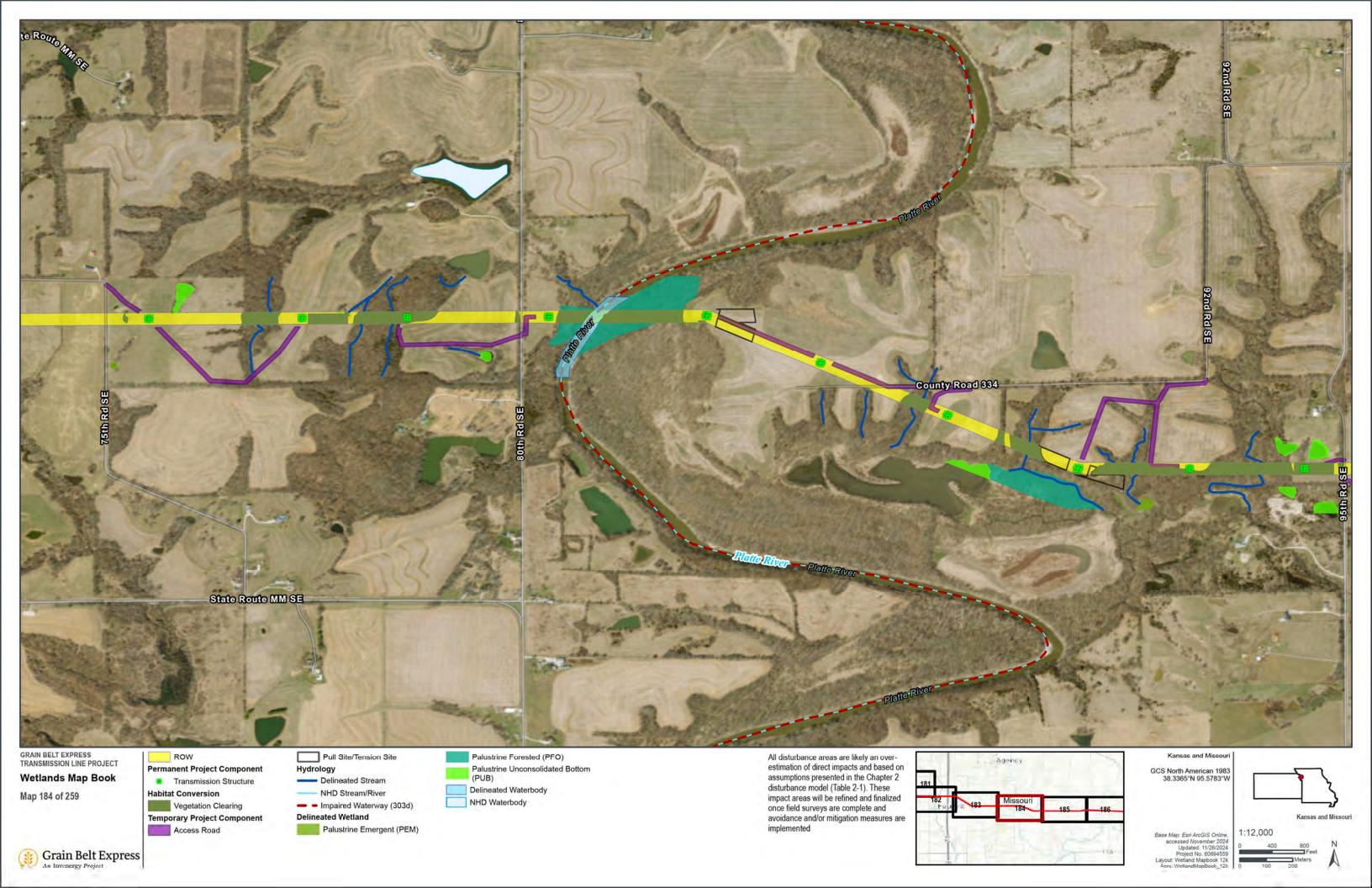


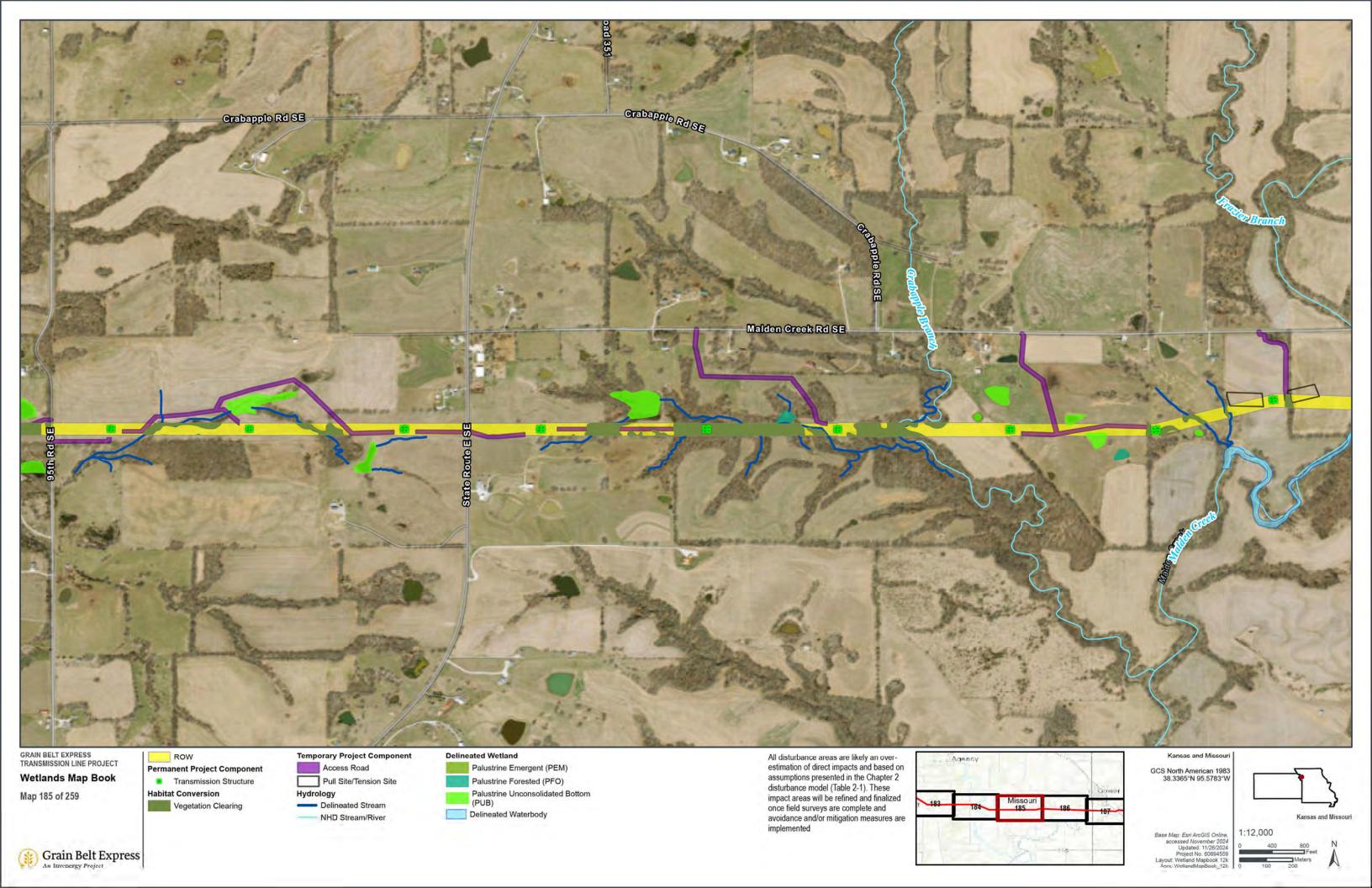


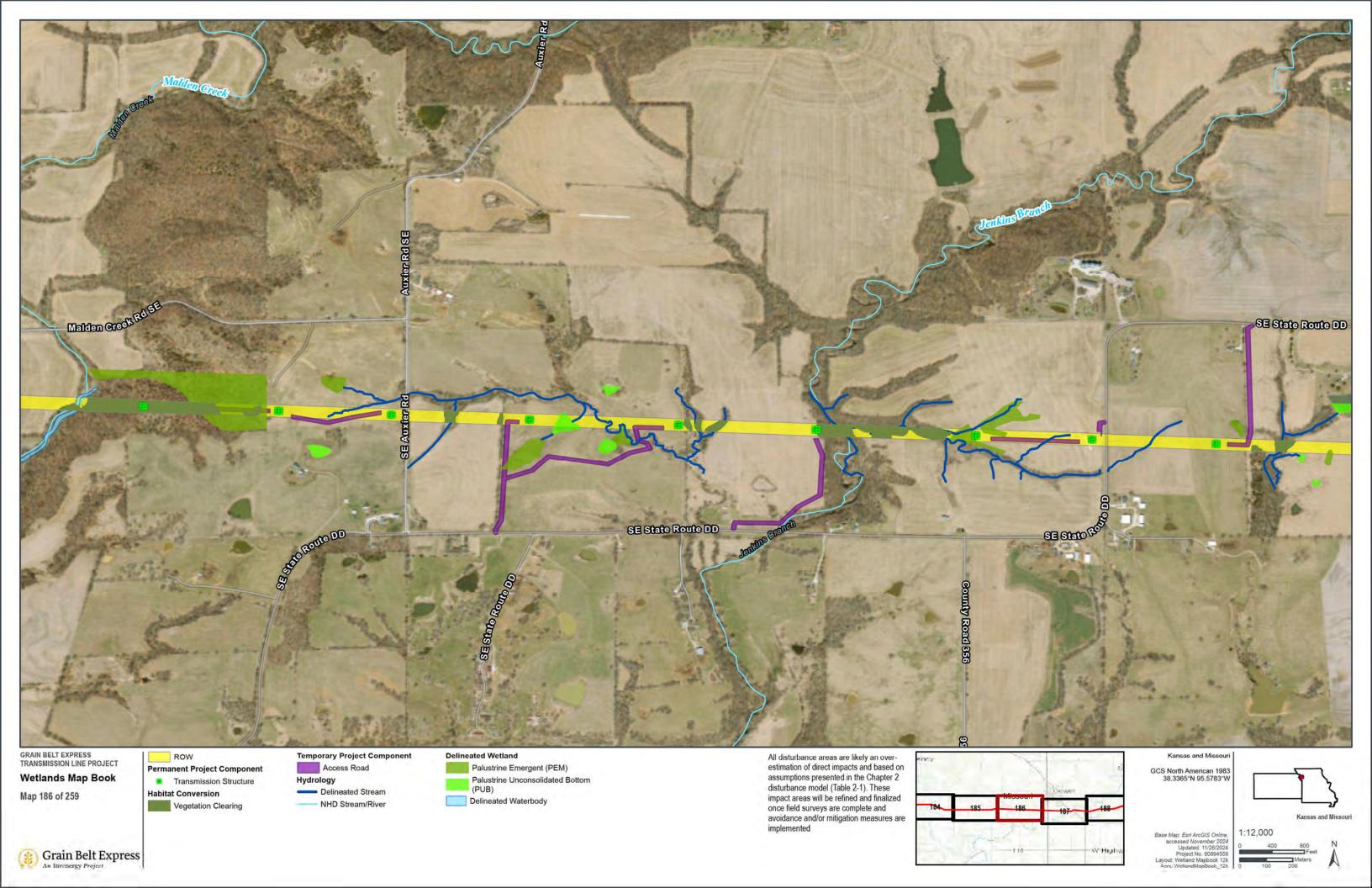


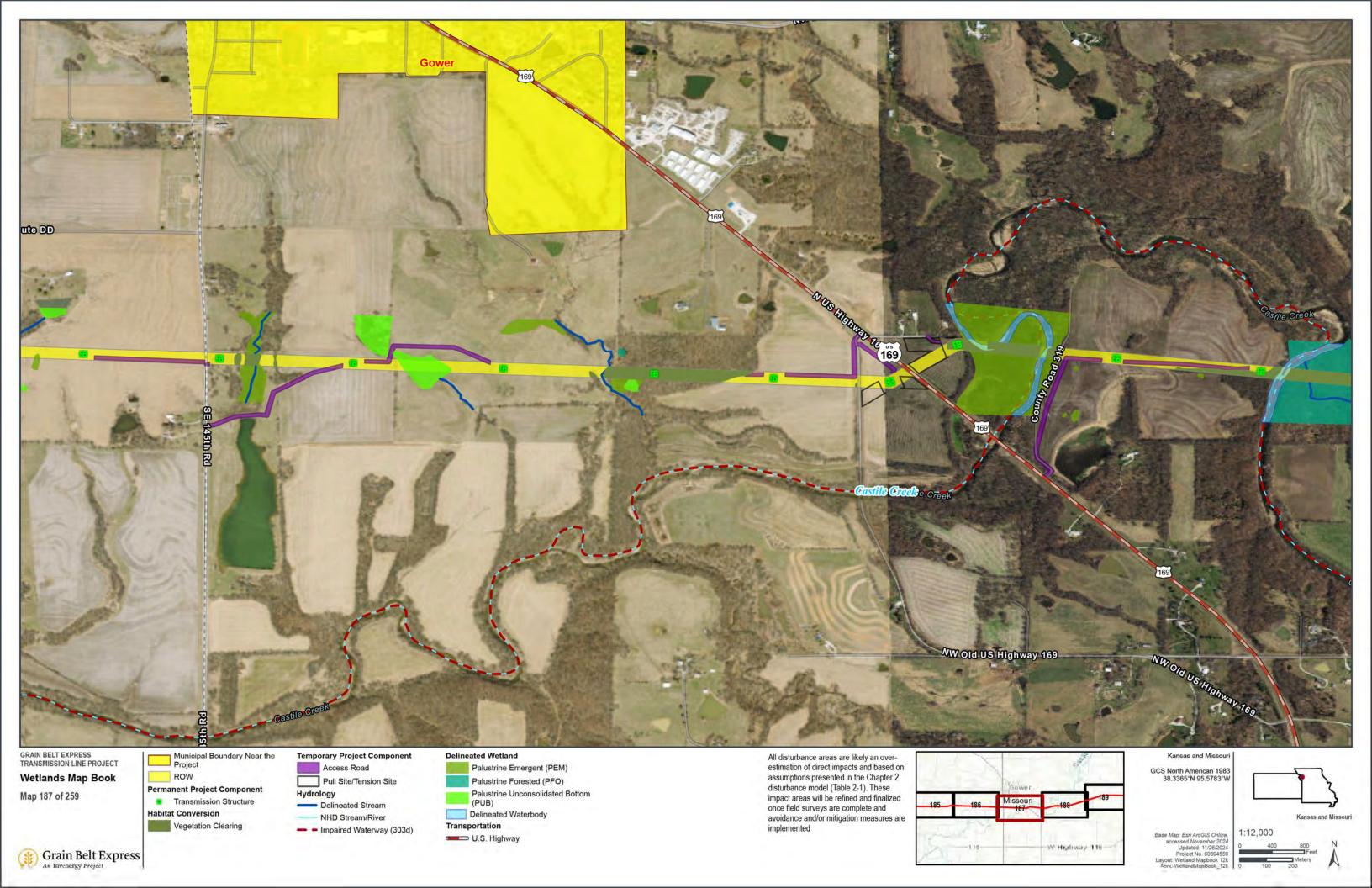


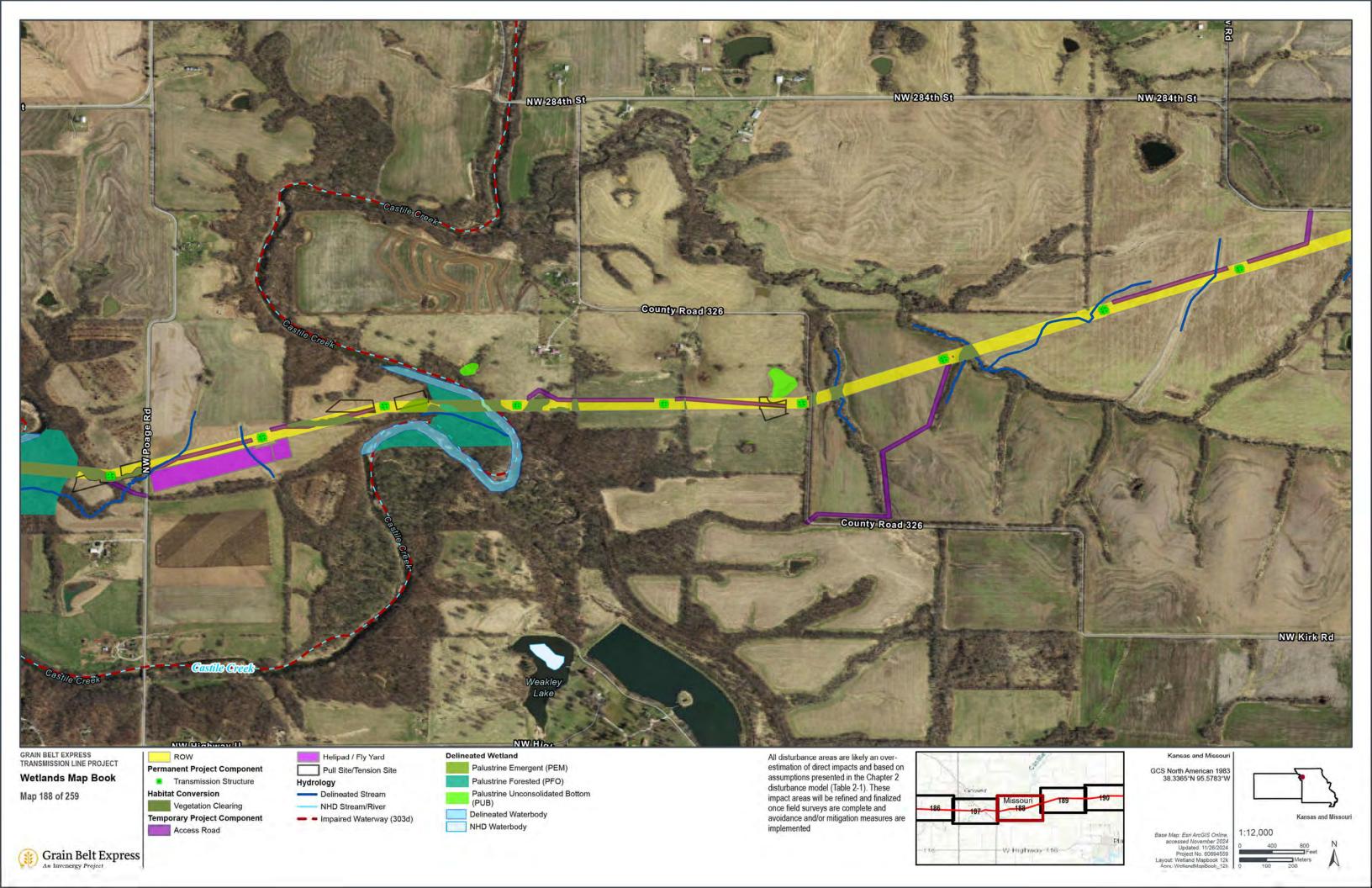


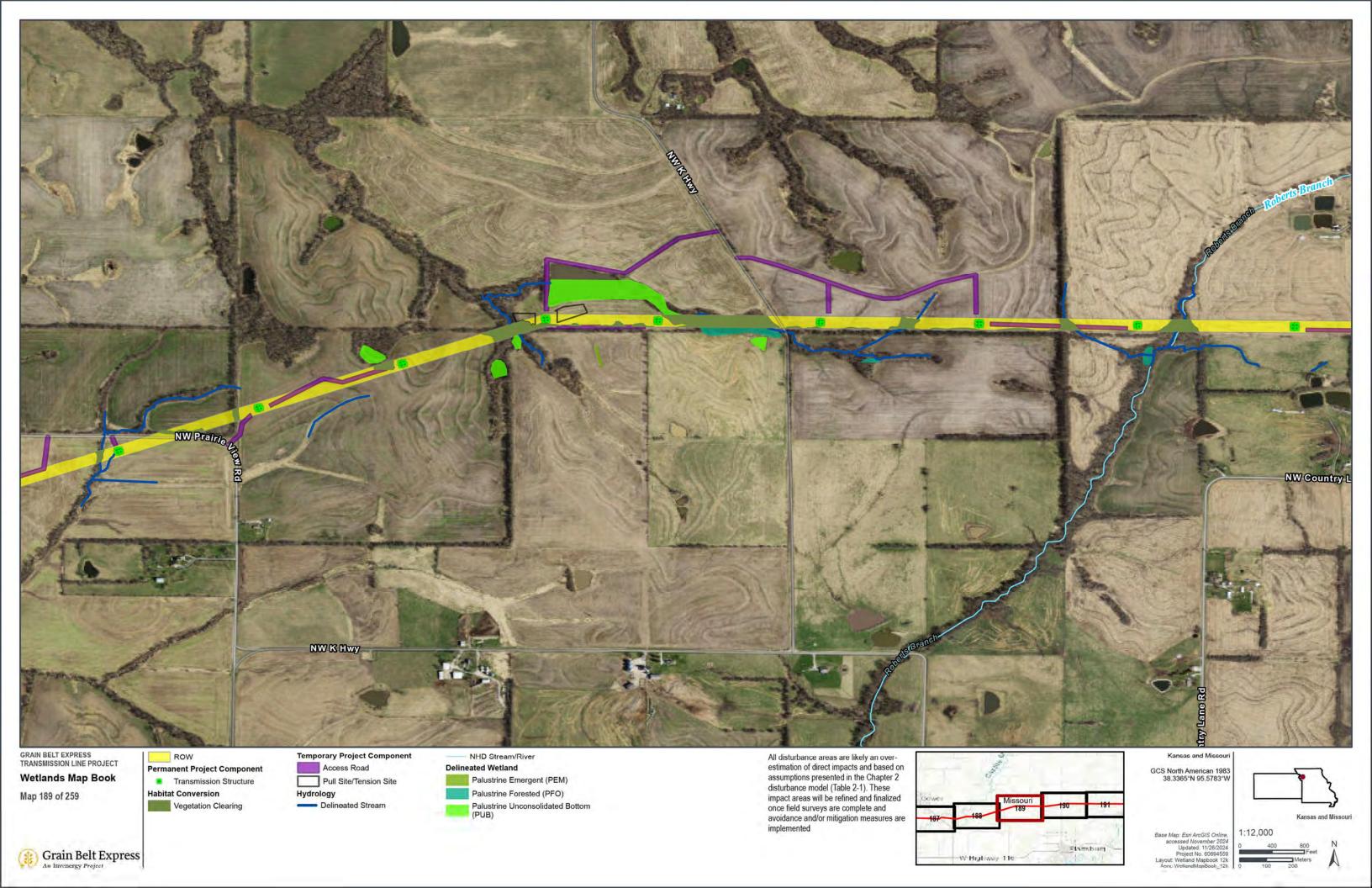


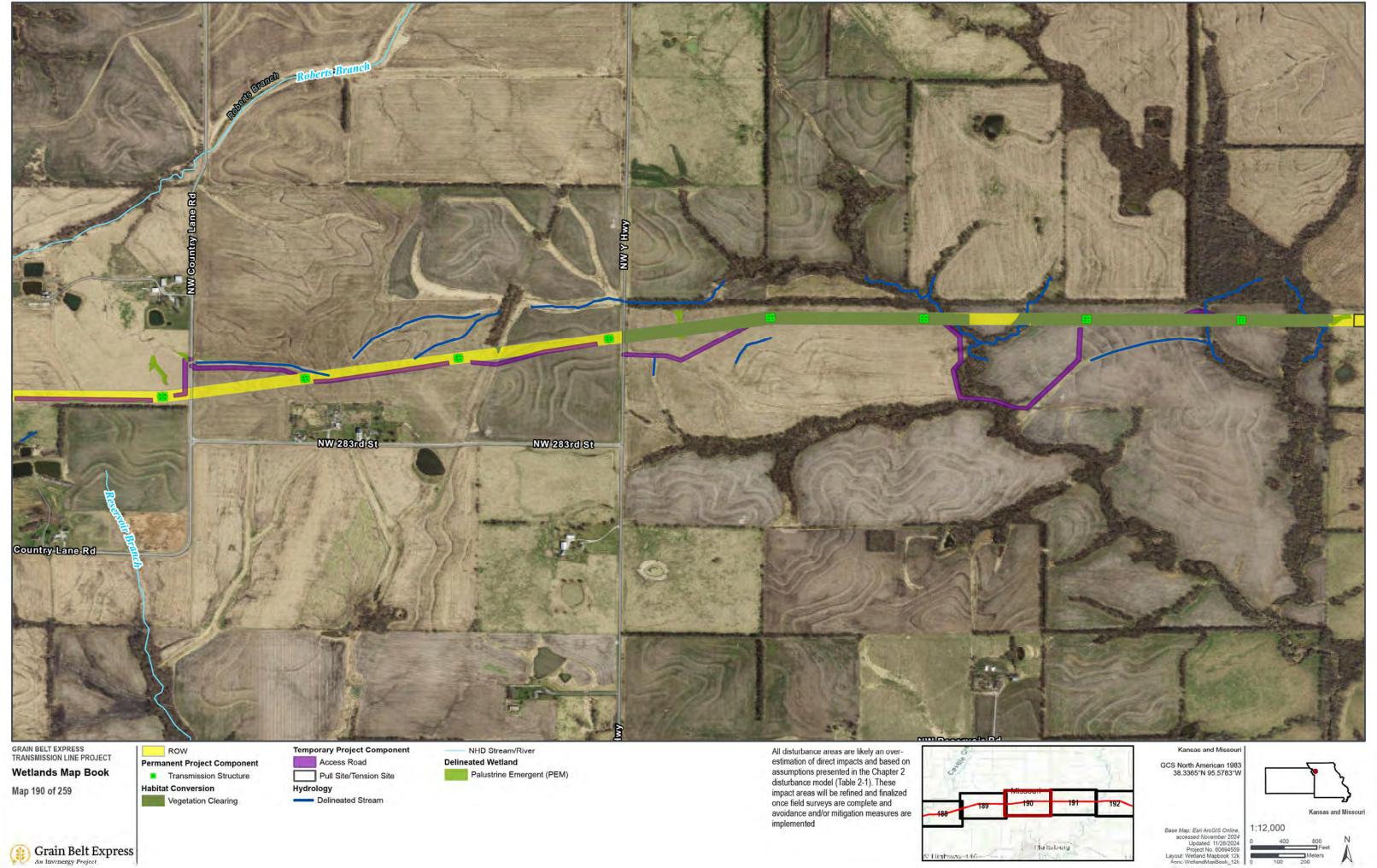






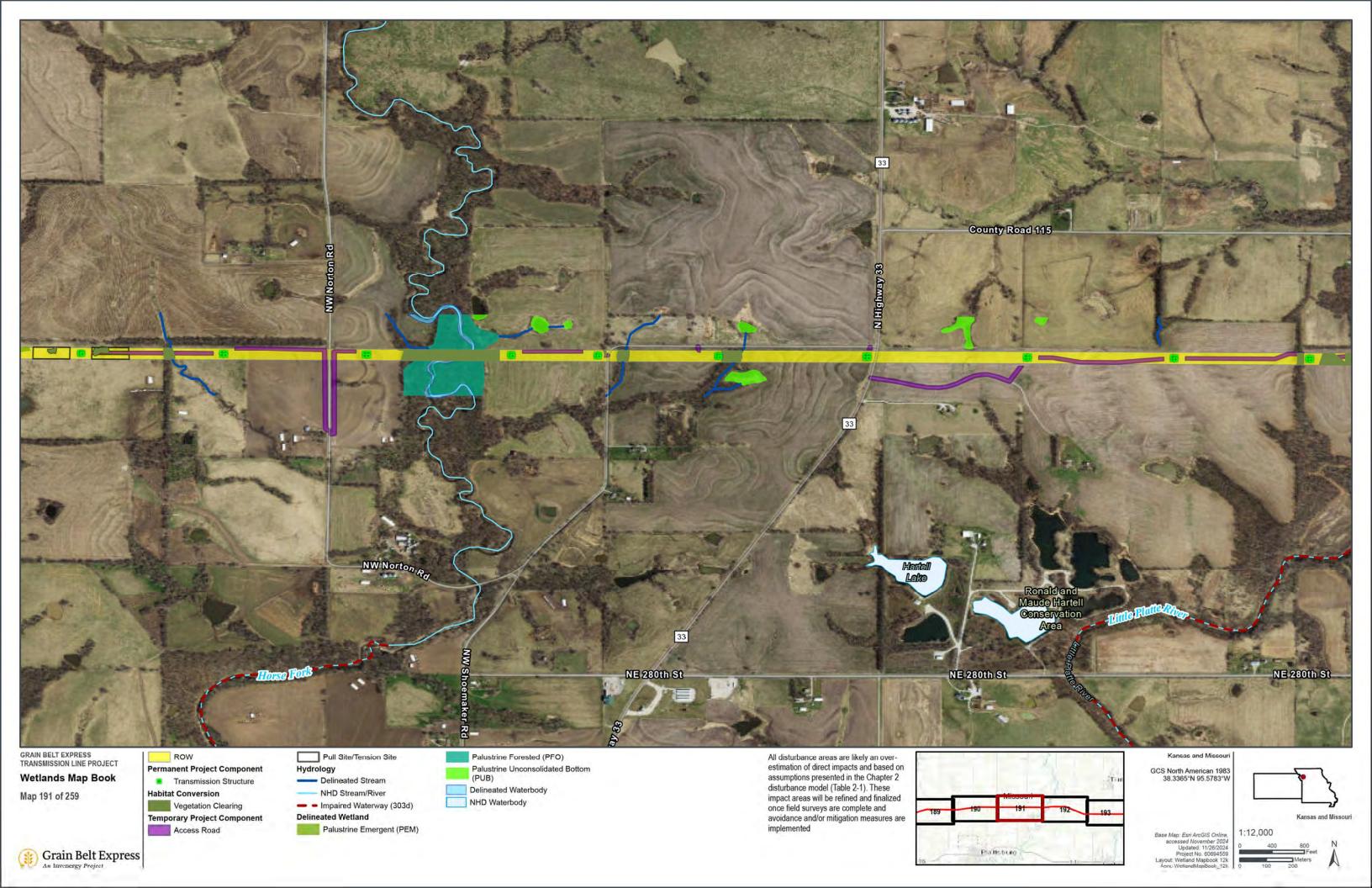


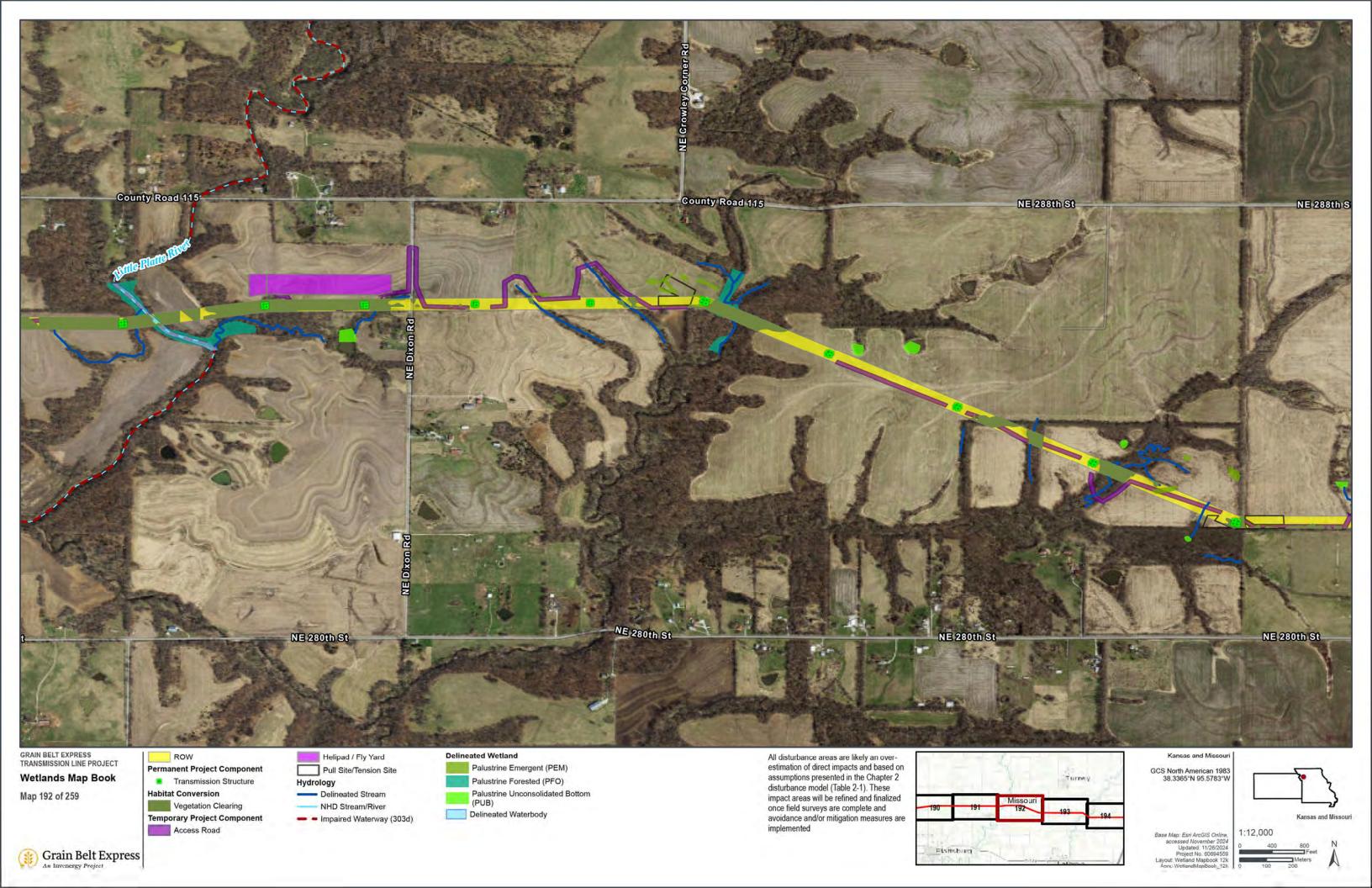


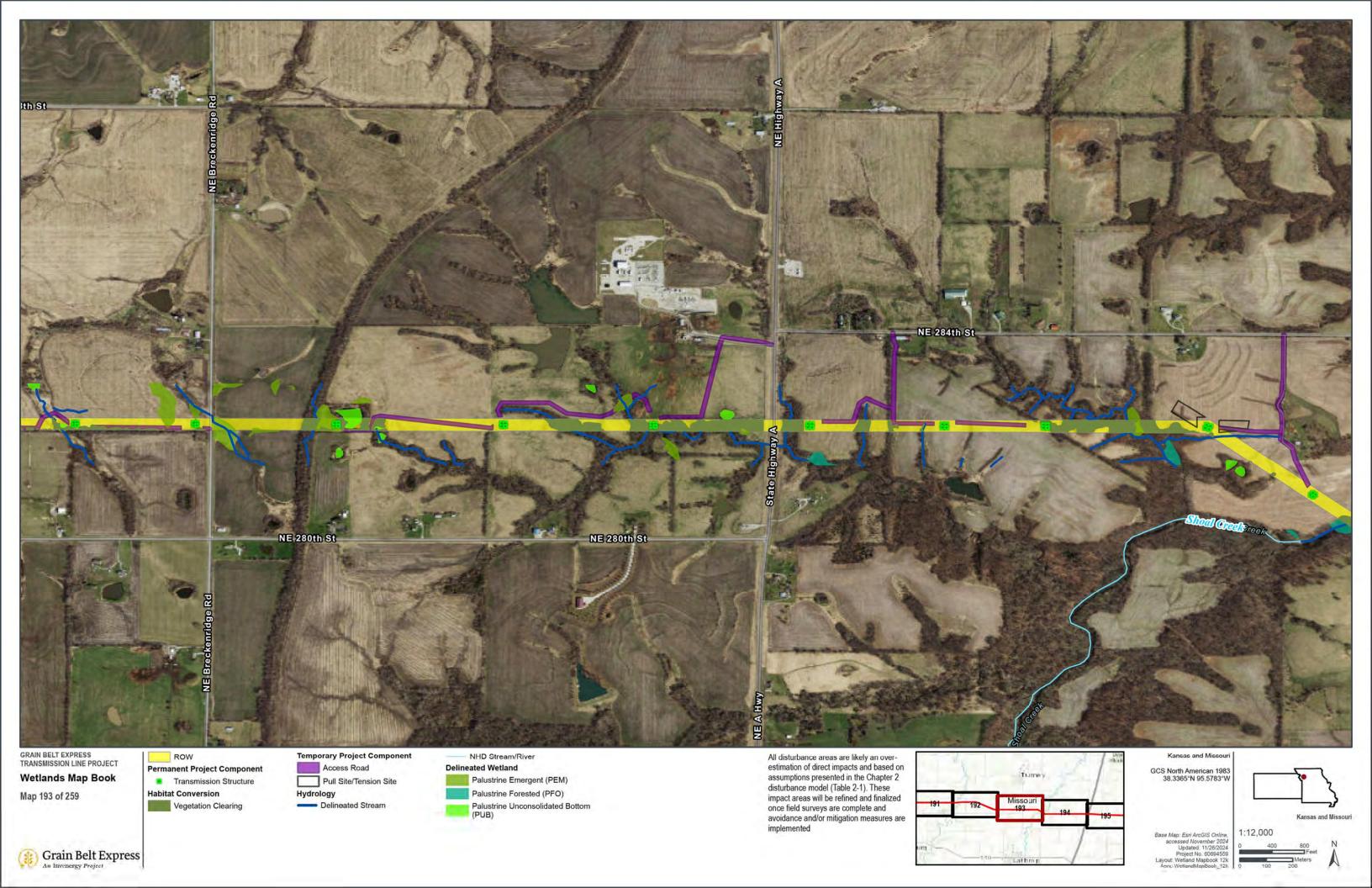


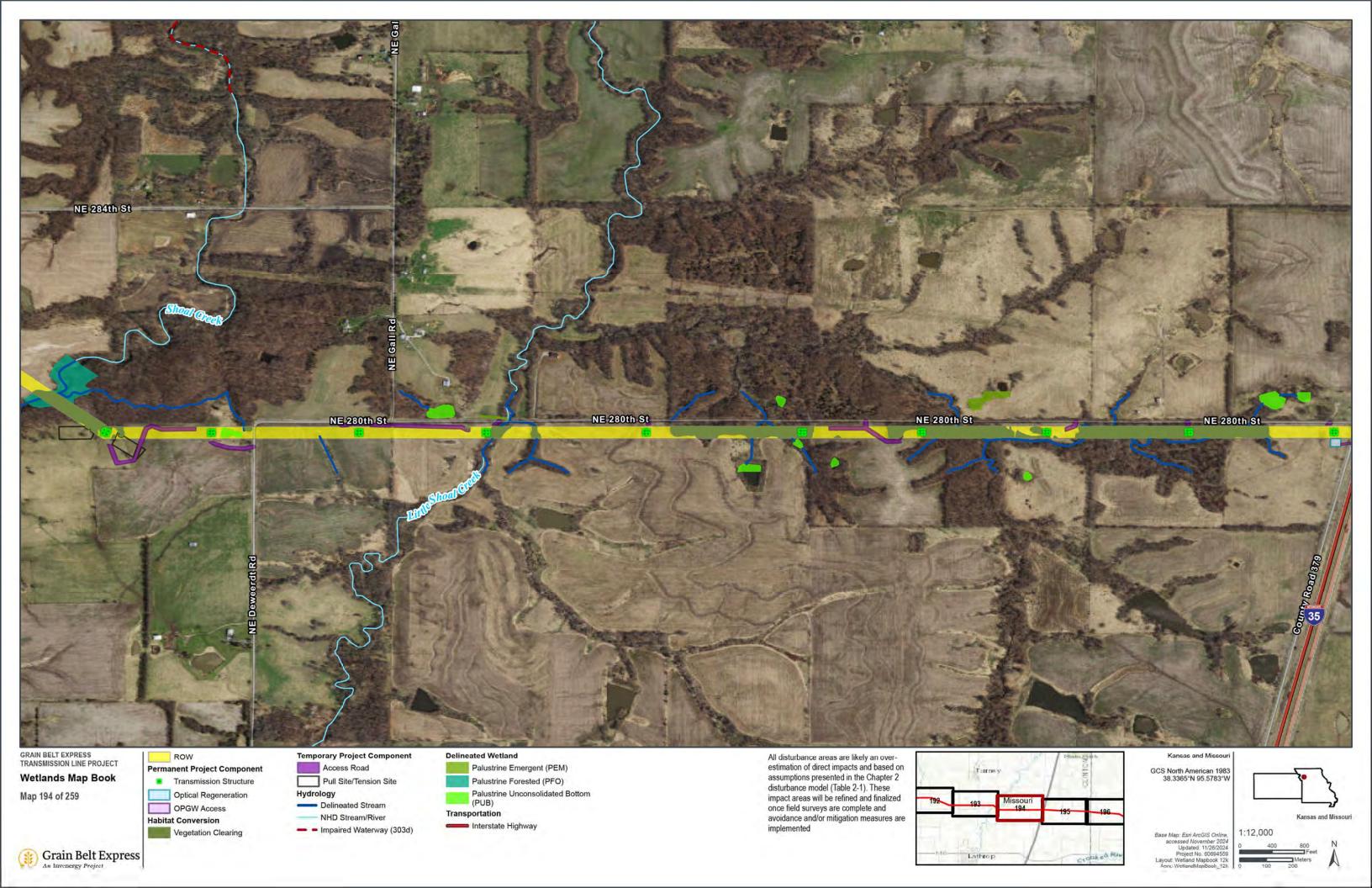
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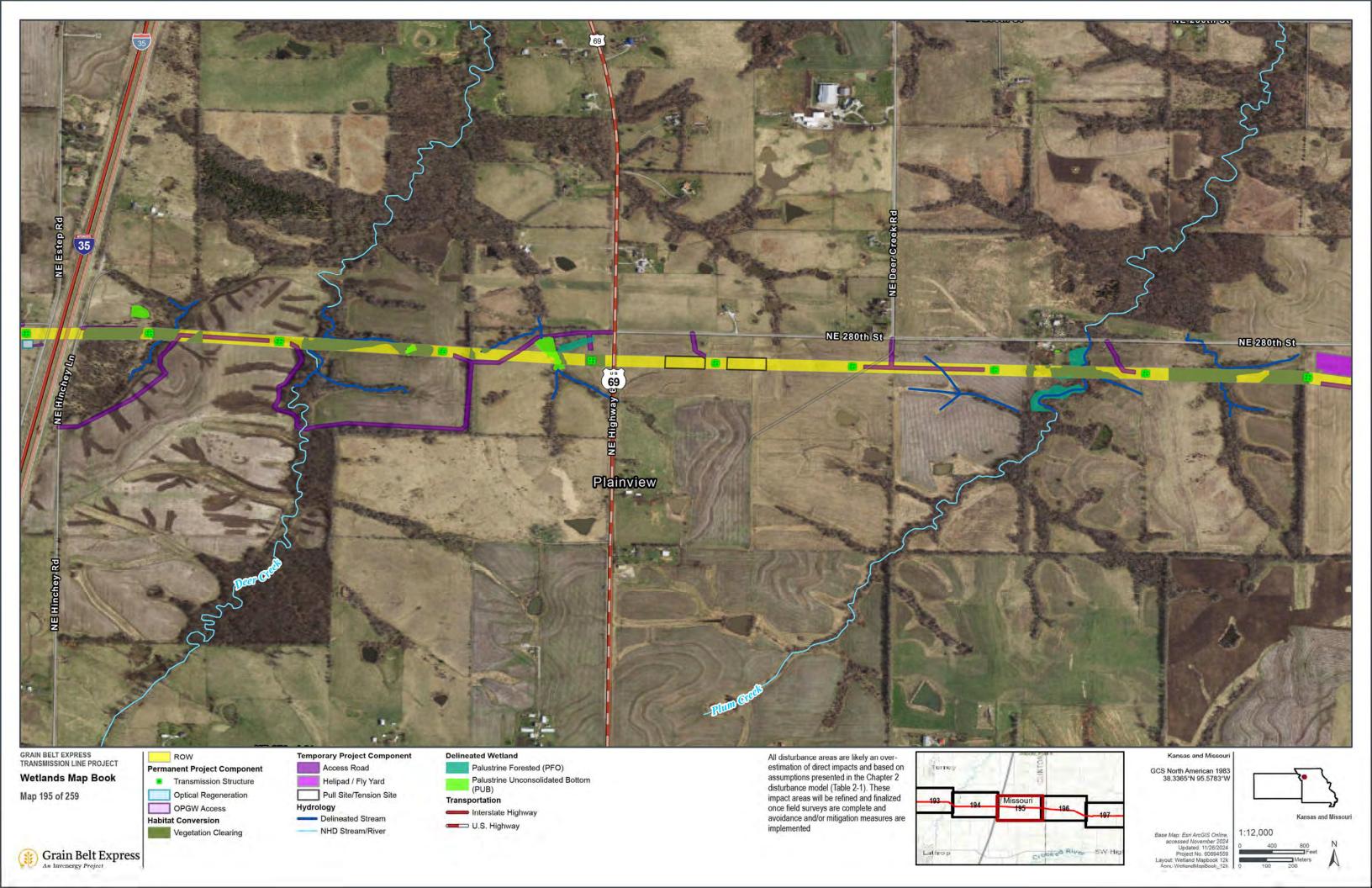
Grain Belt Express

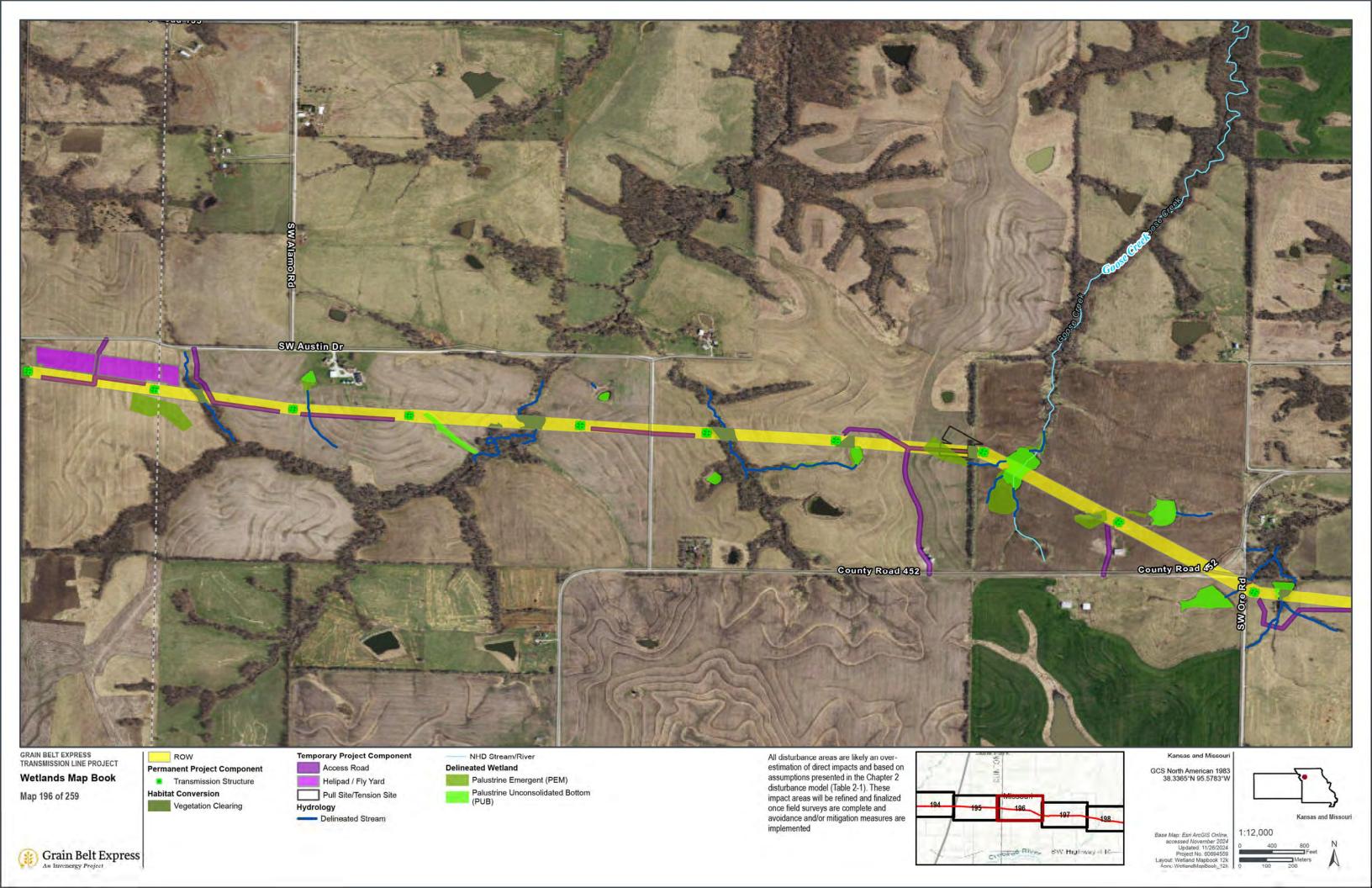


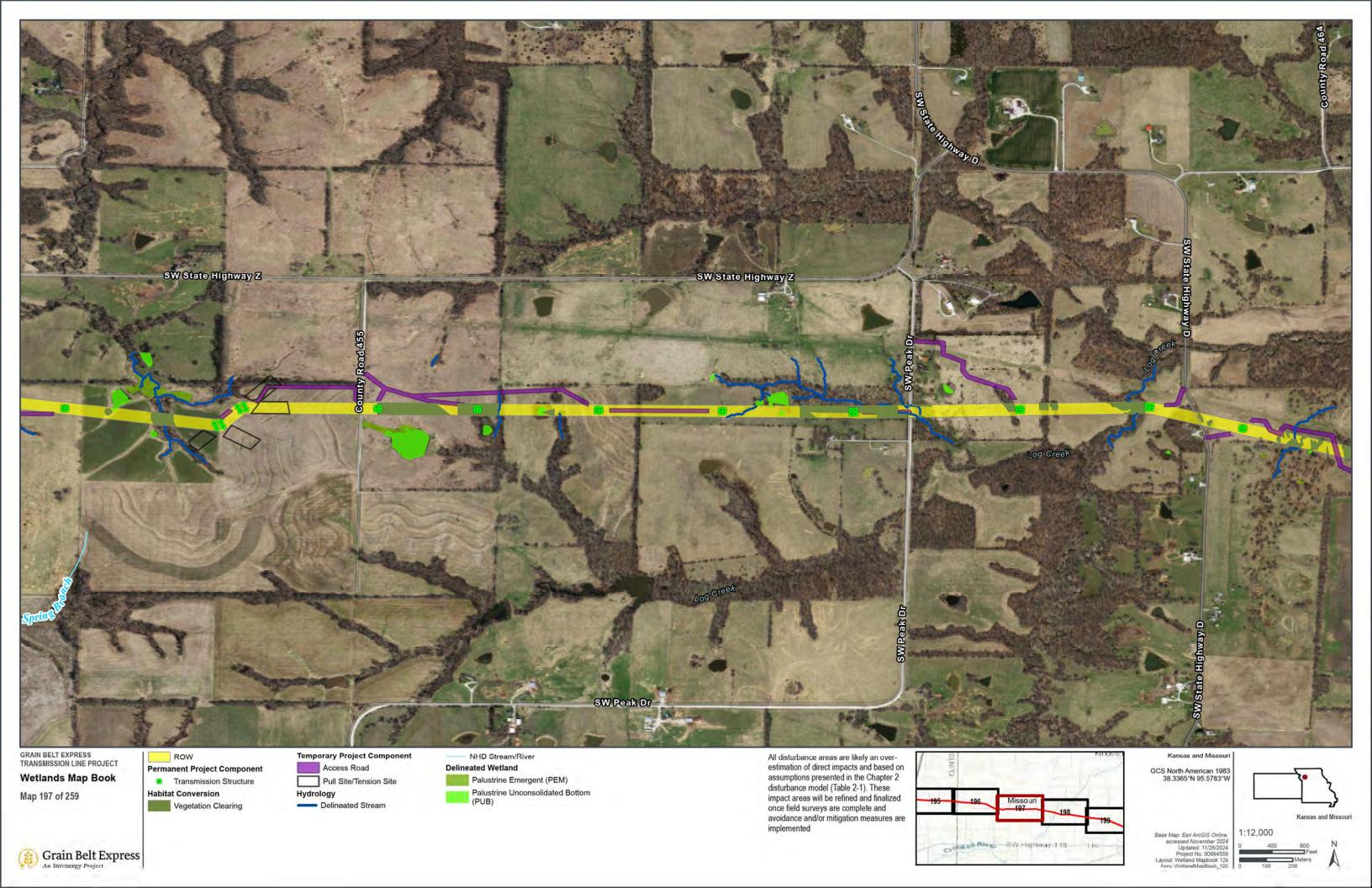


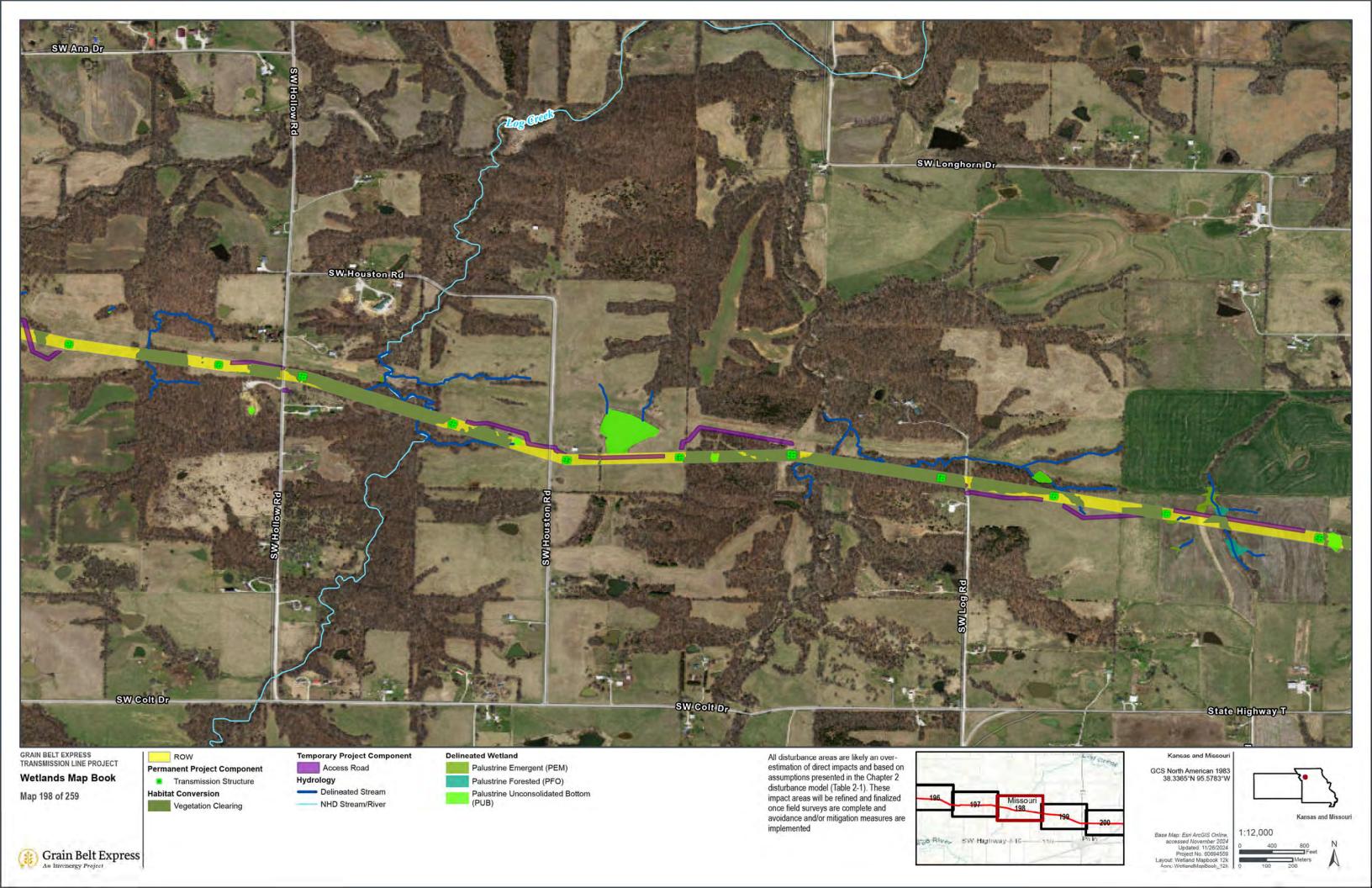


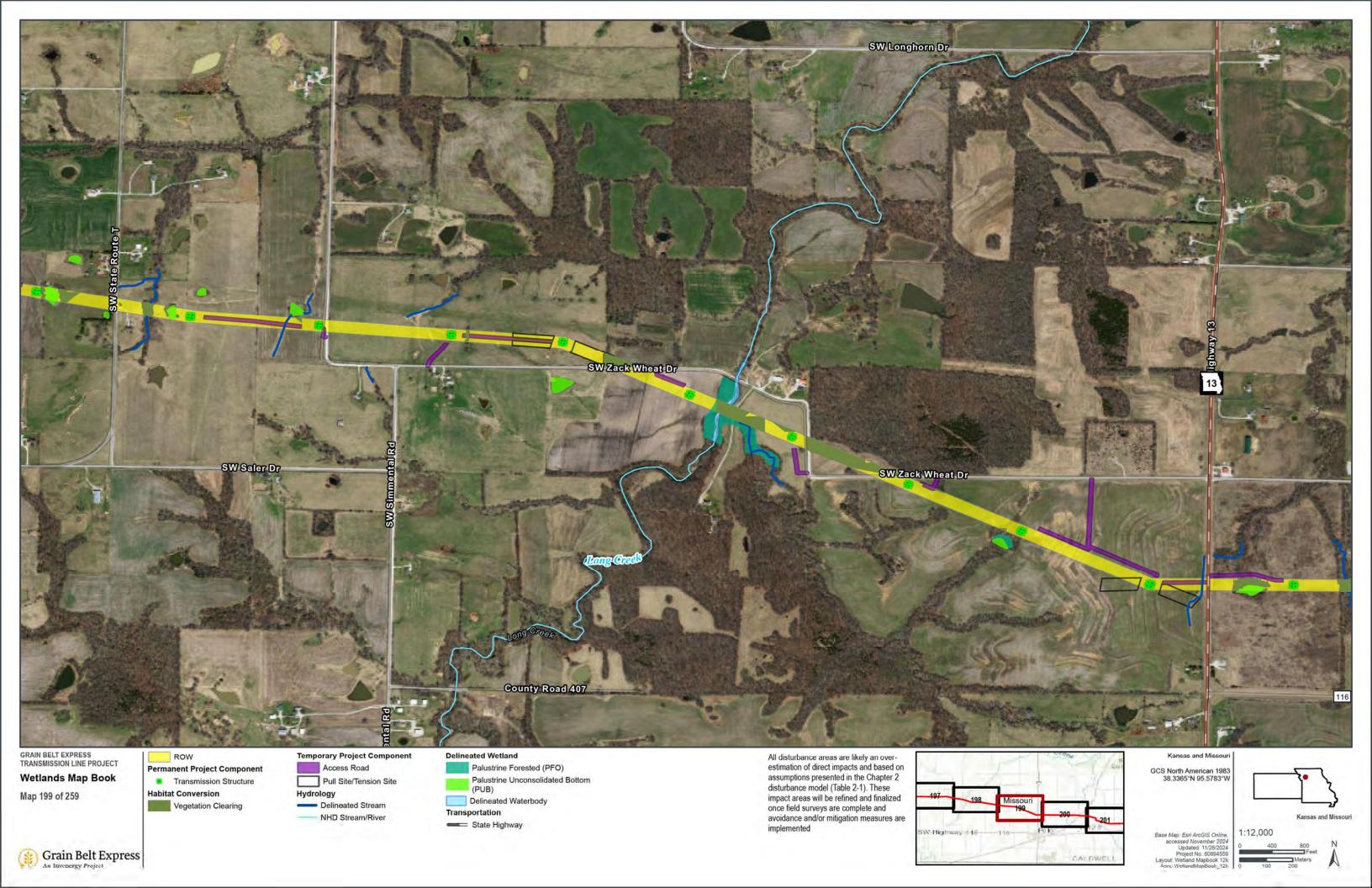


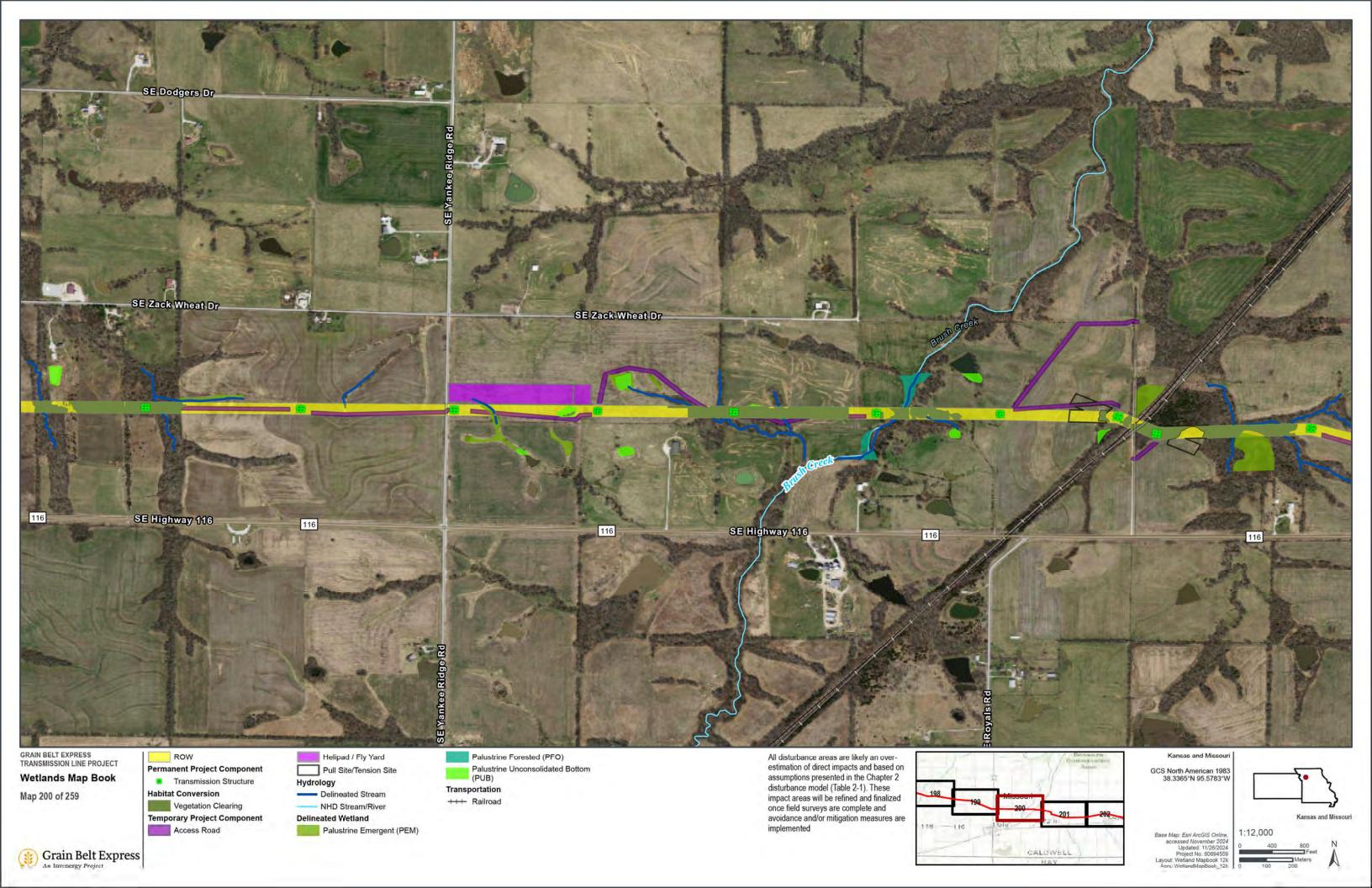


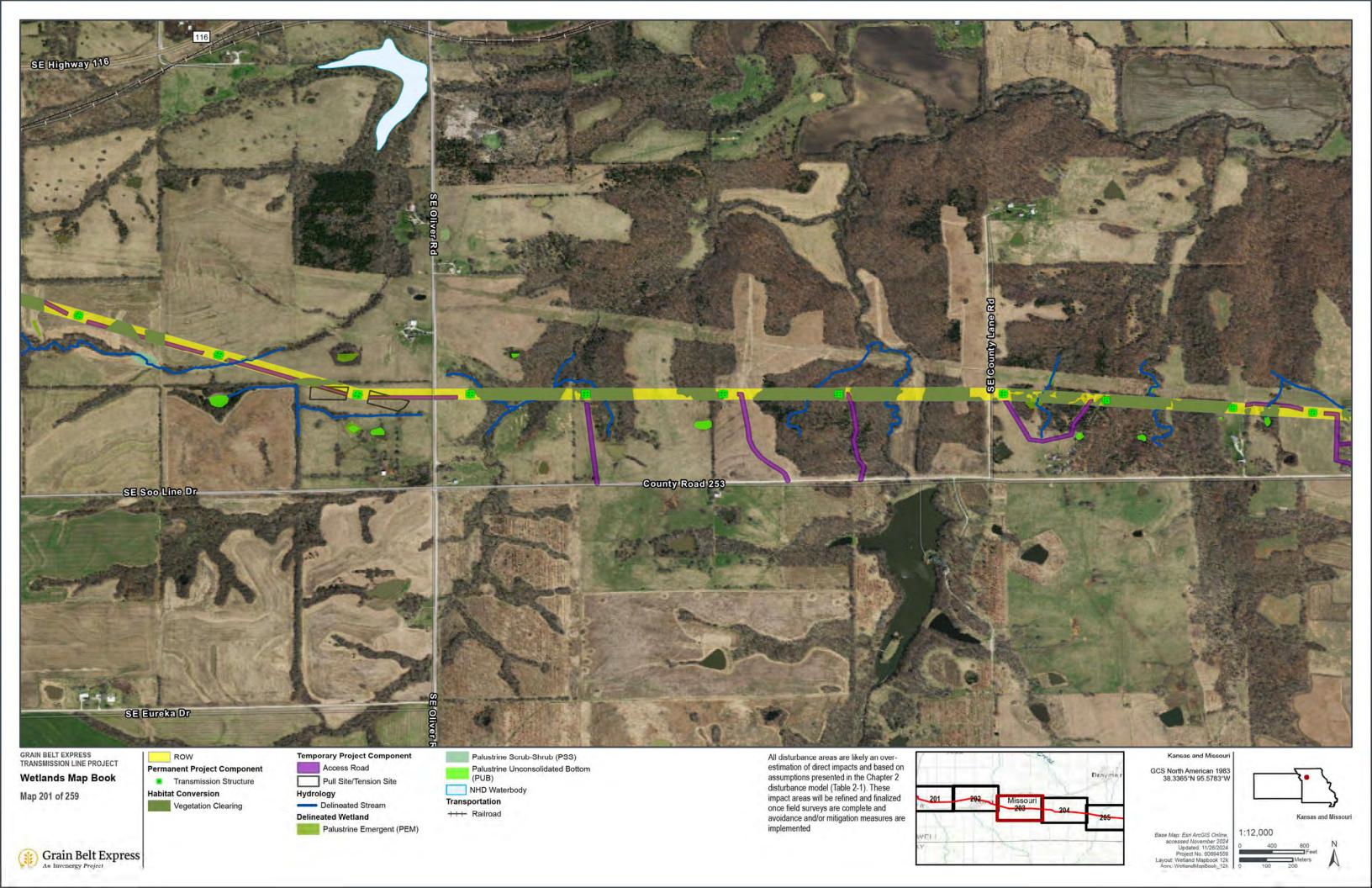


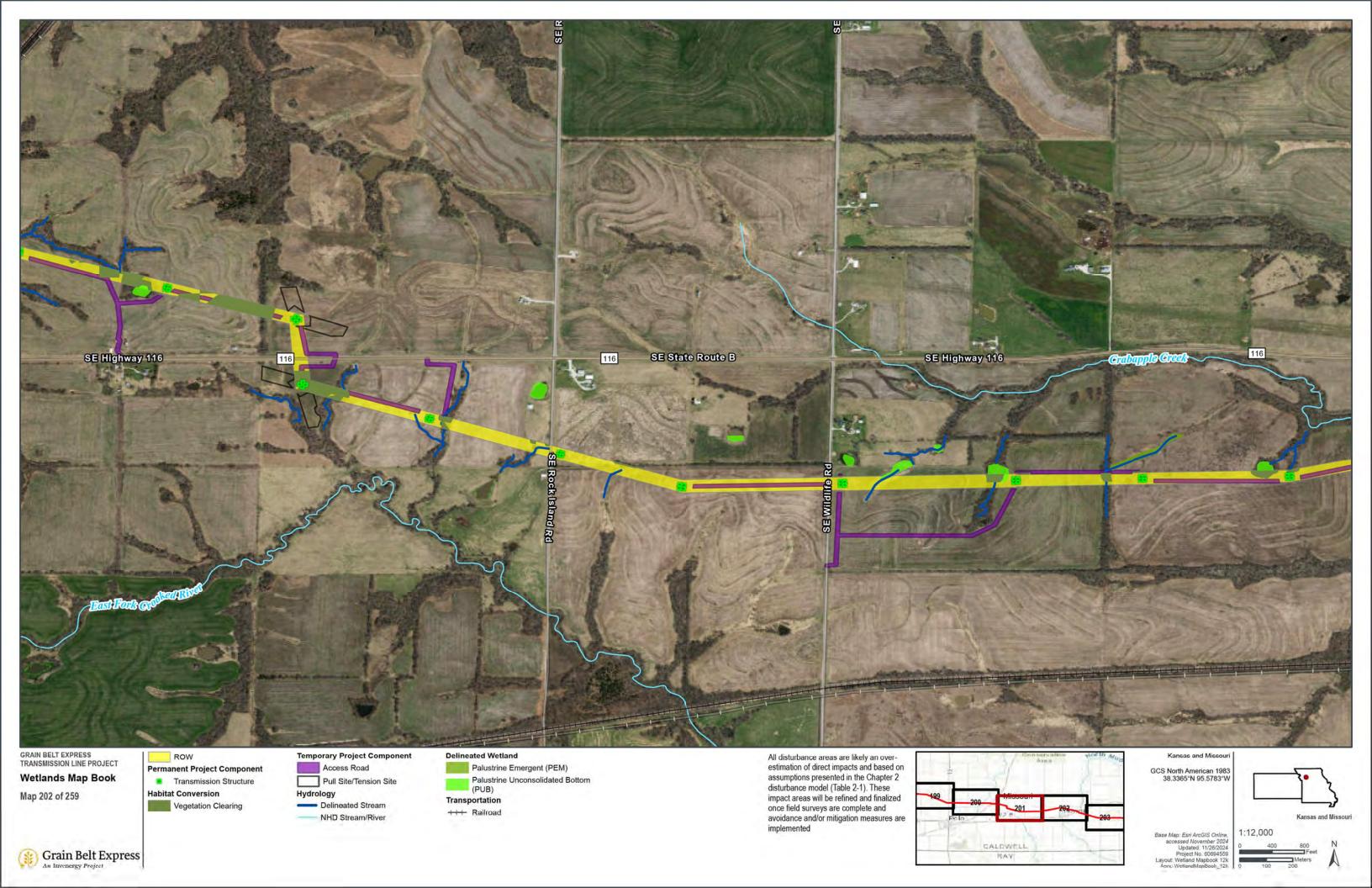


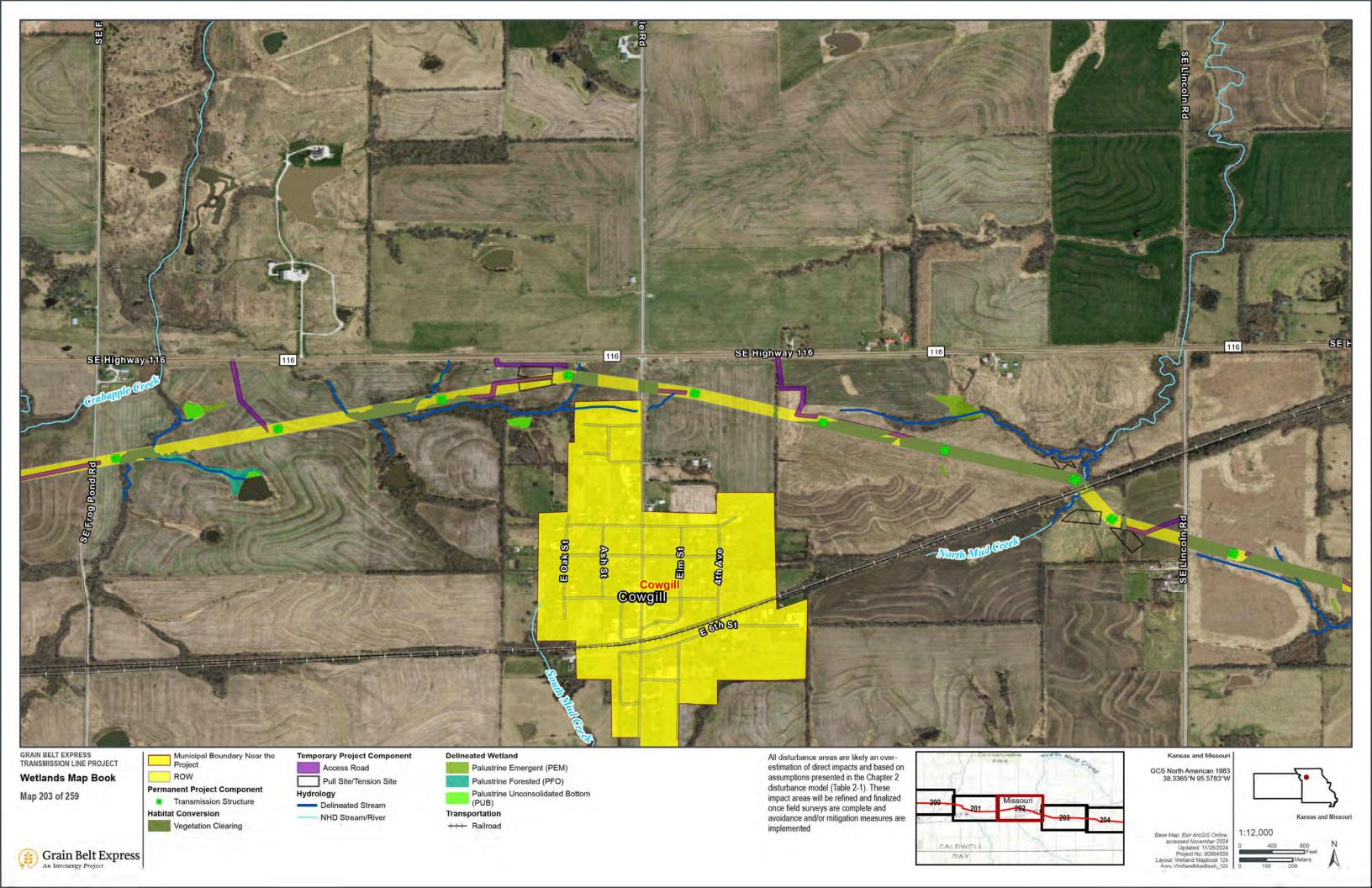


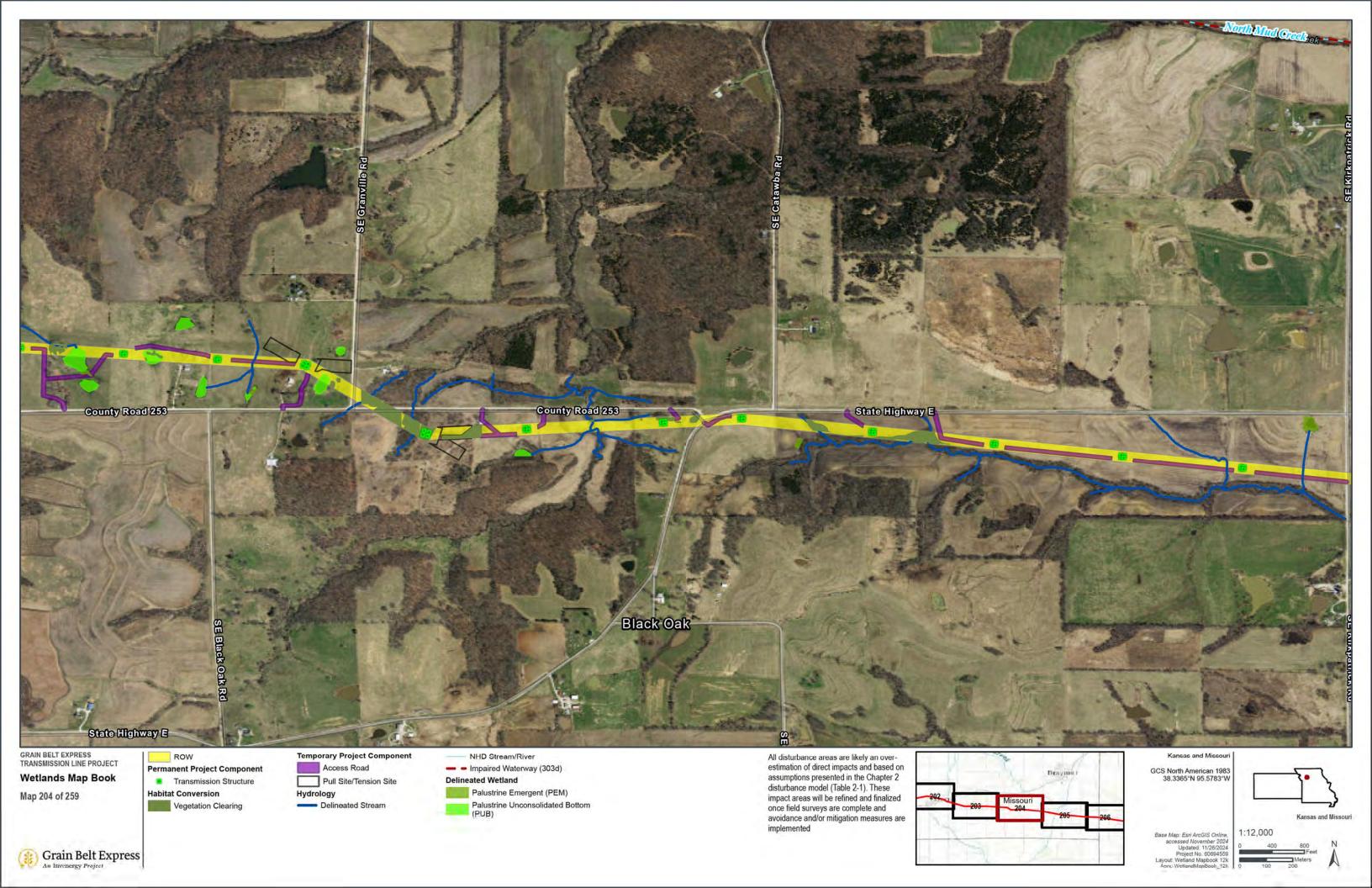


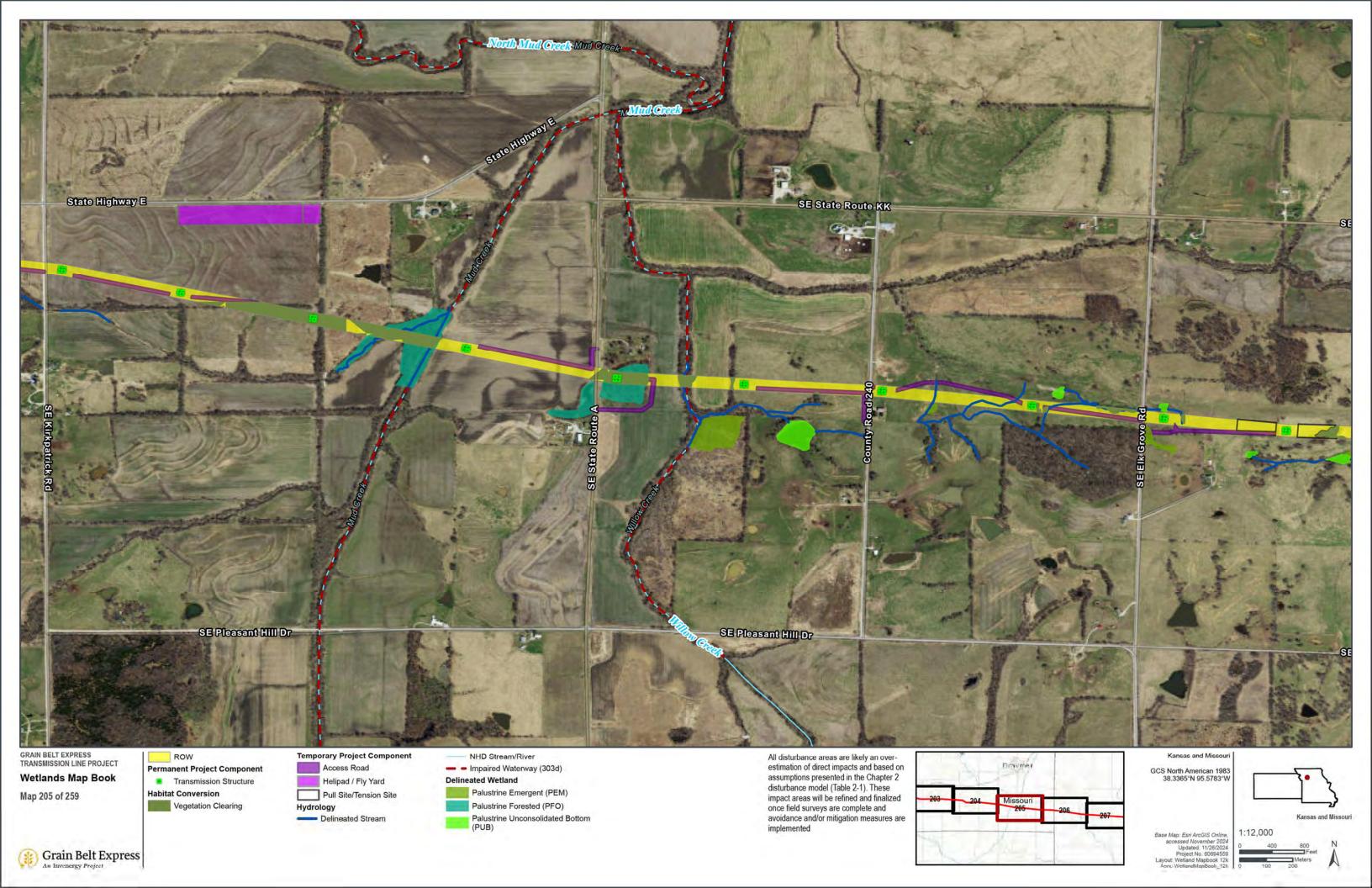


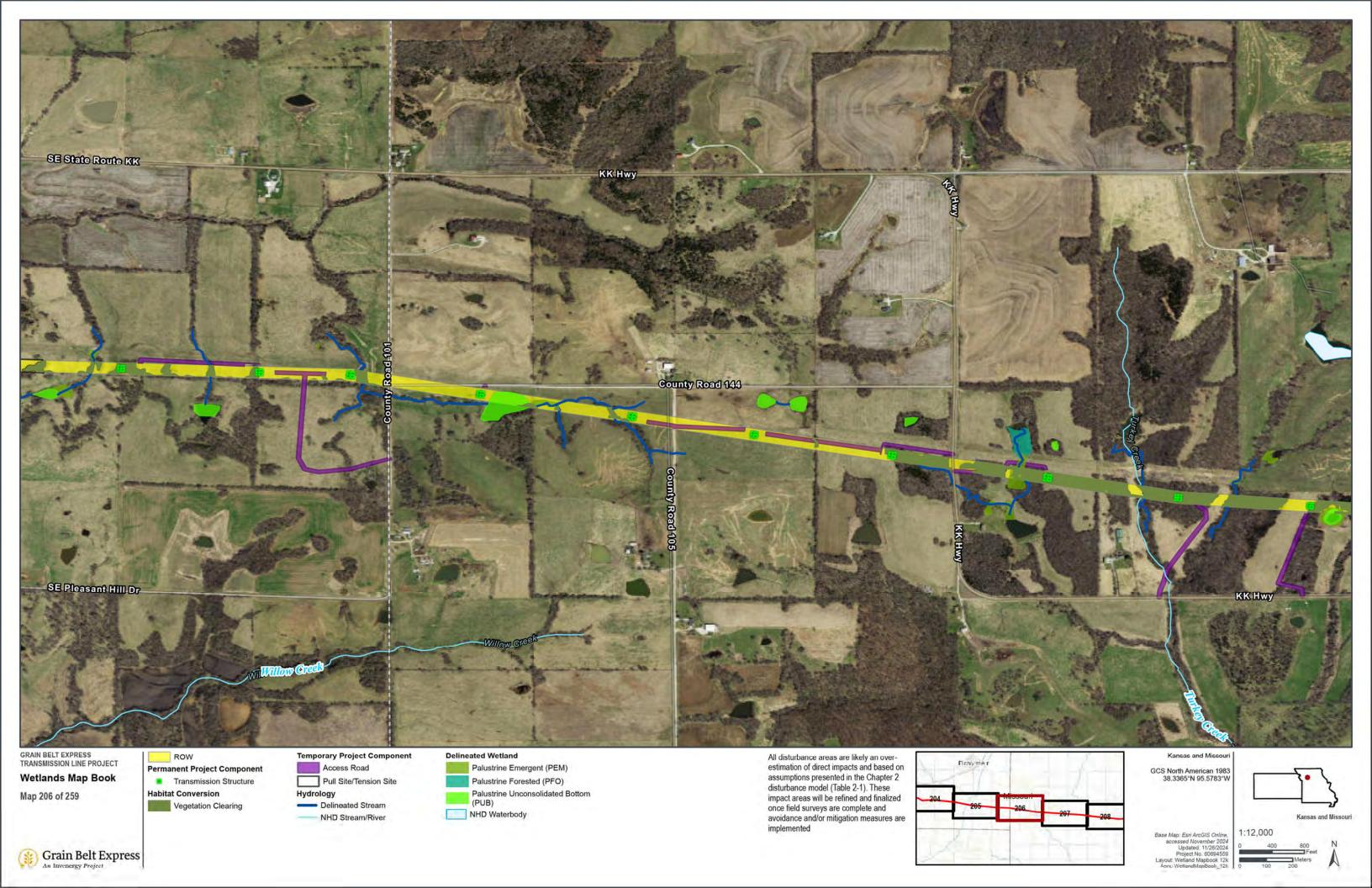


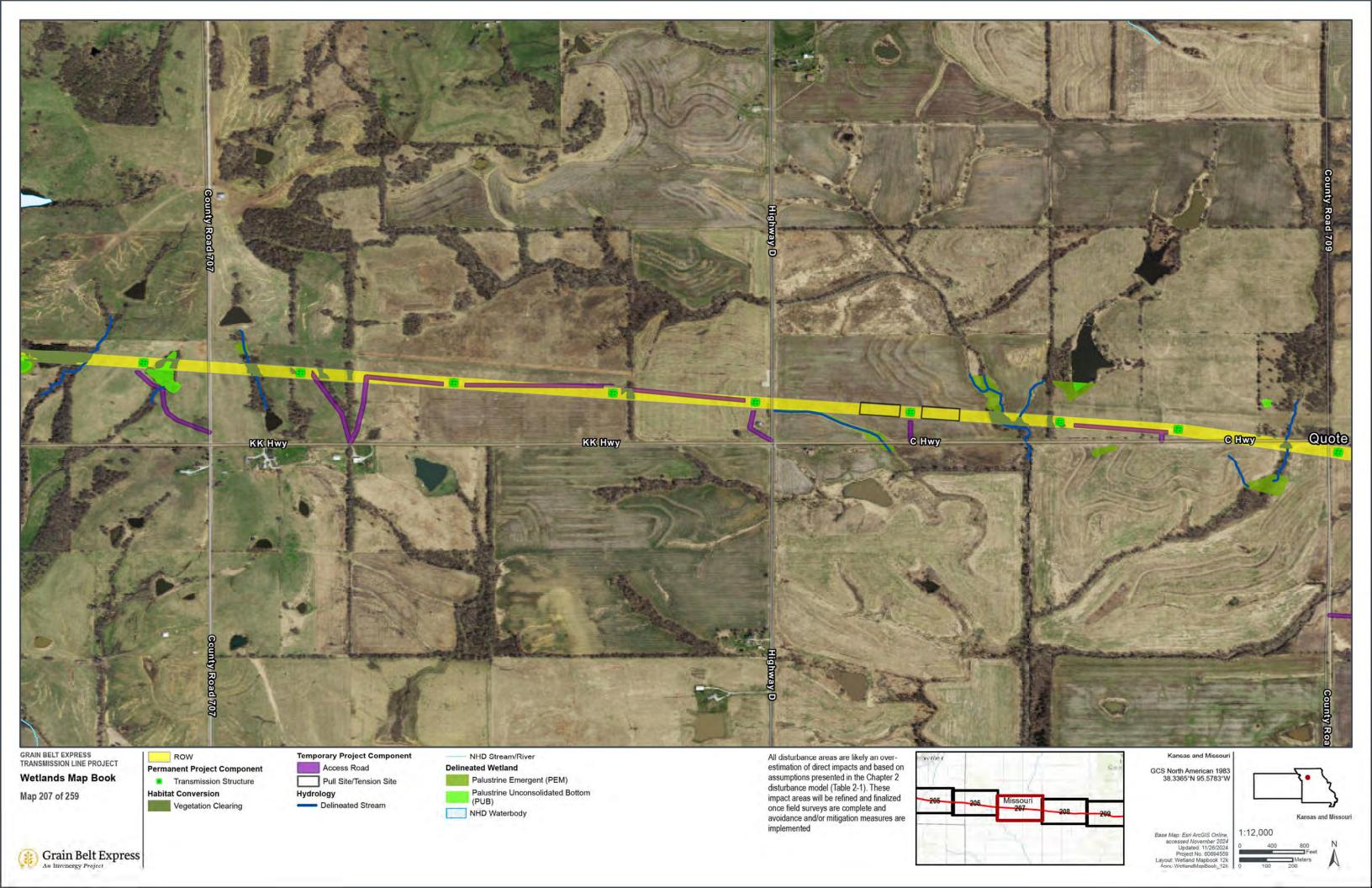


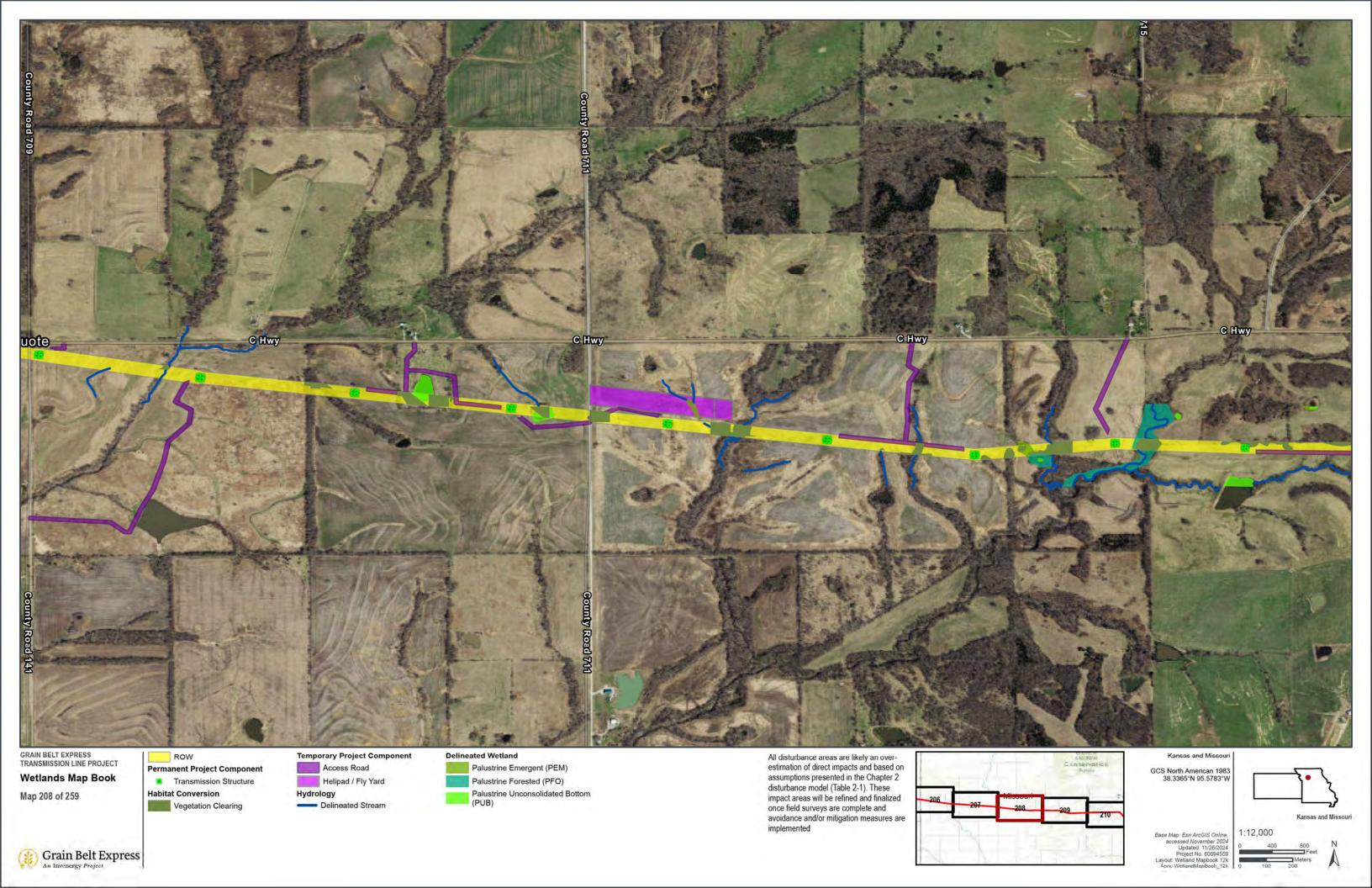


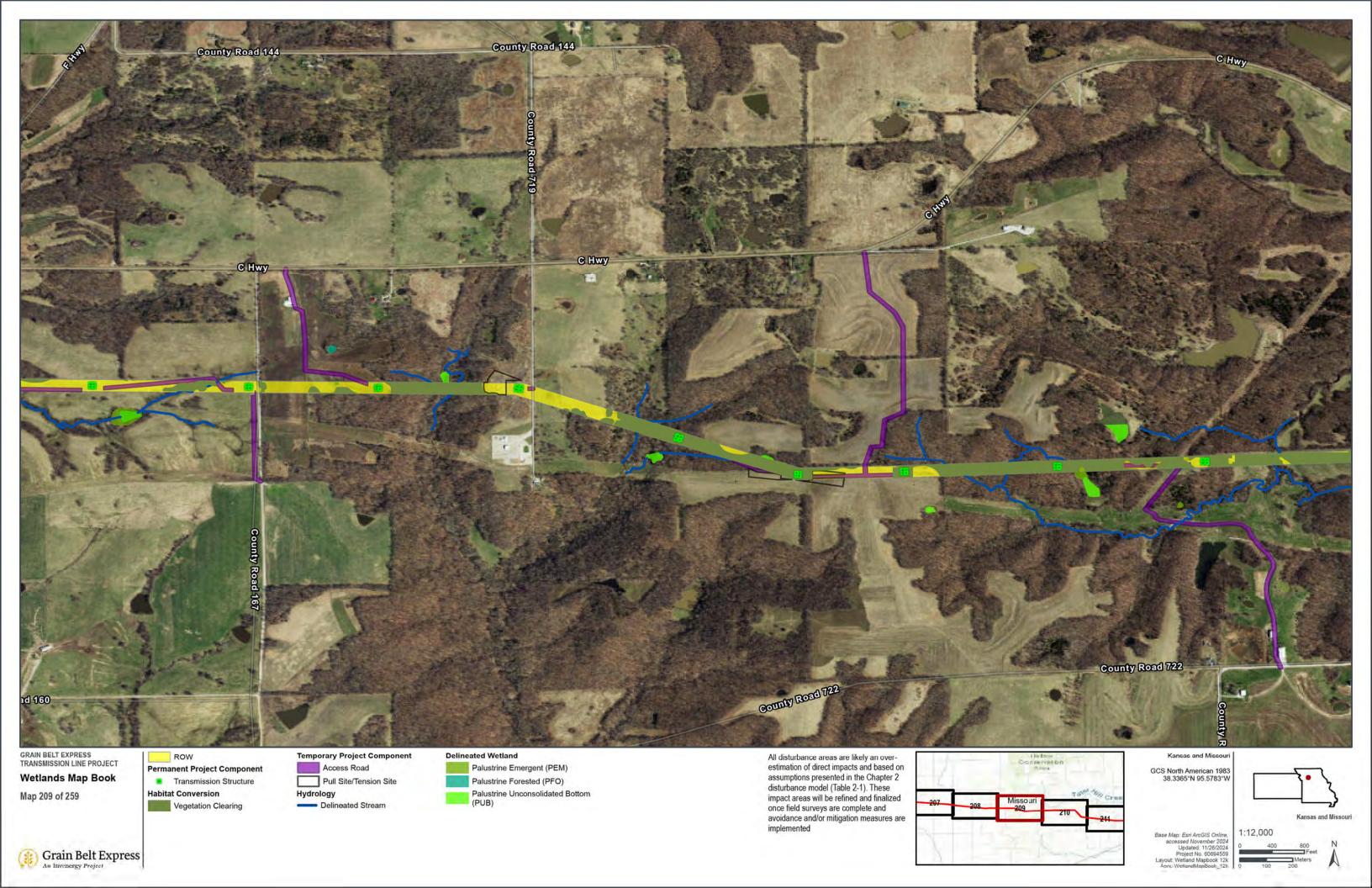


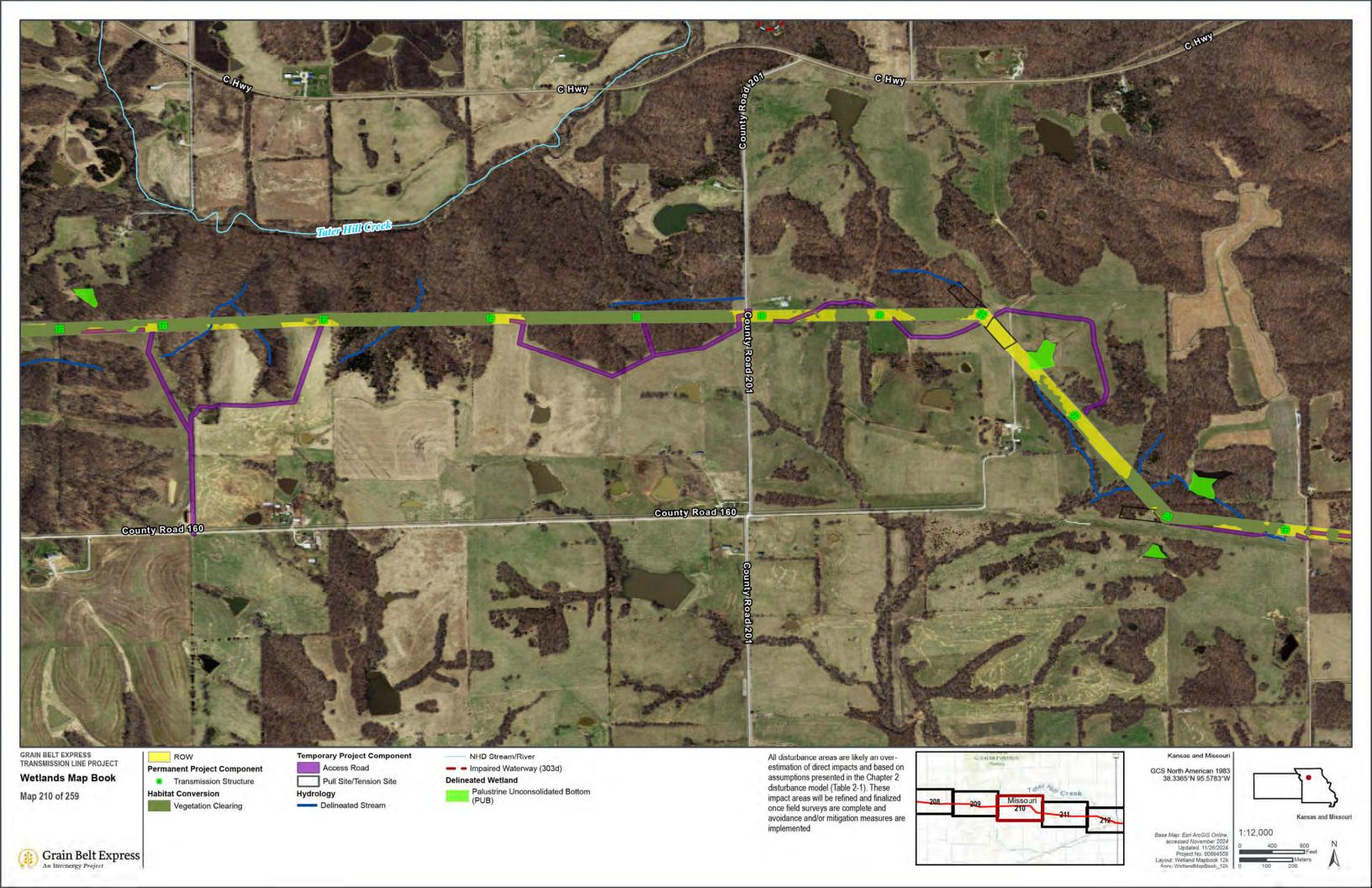


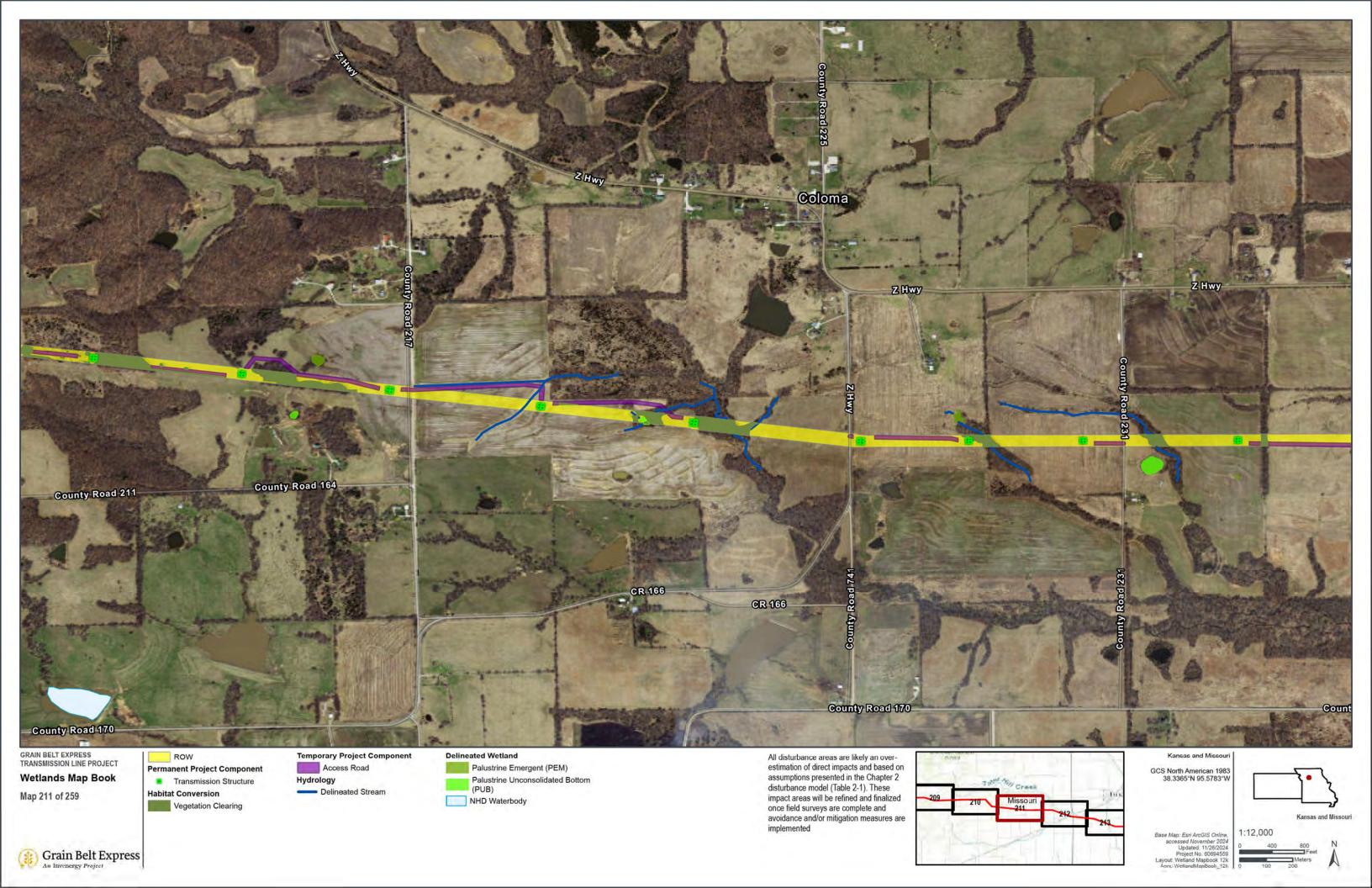


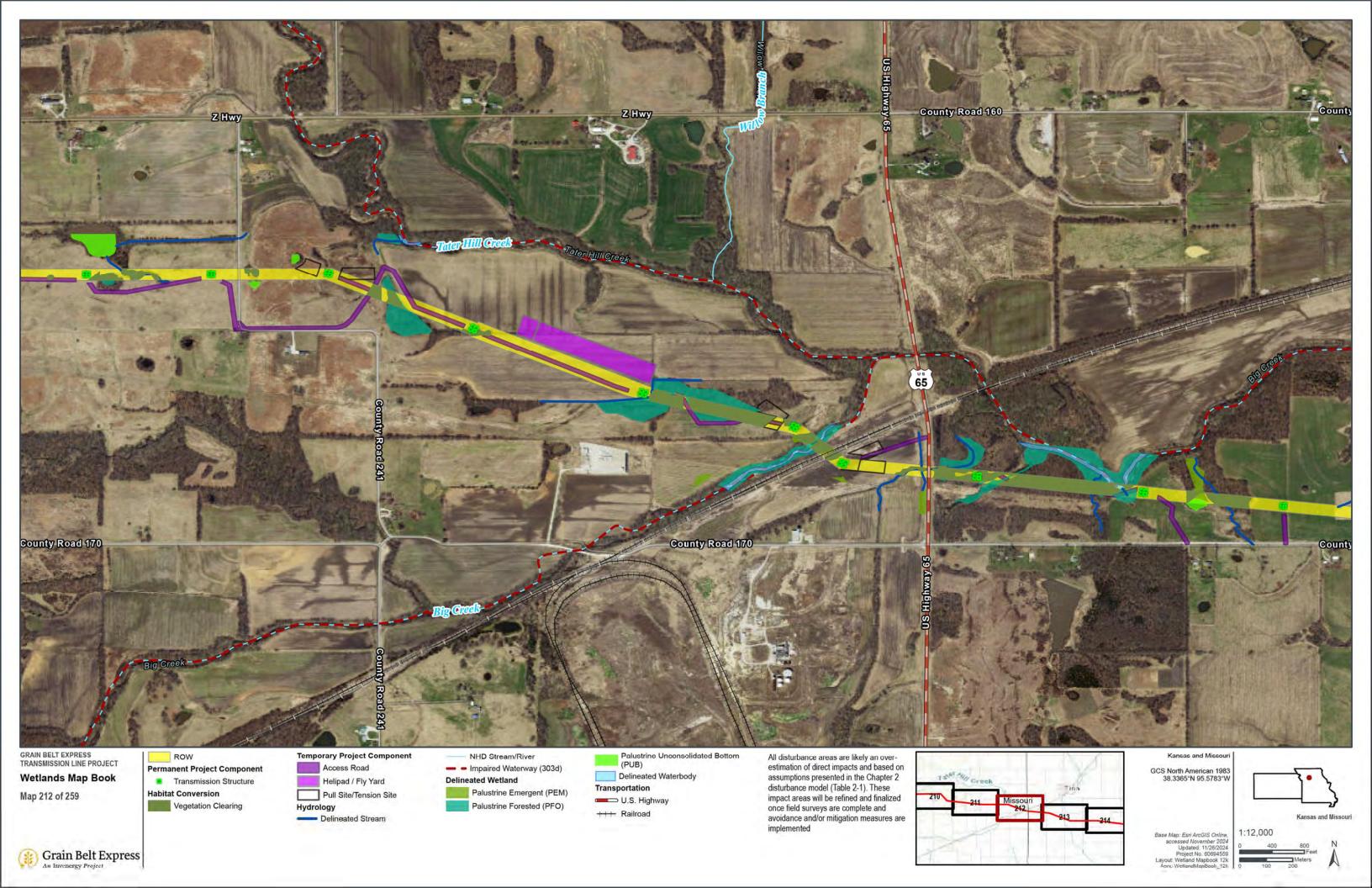


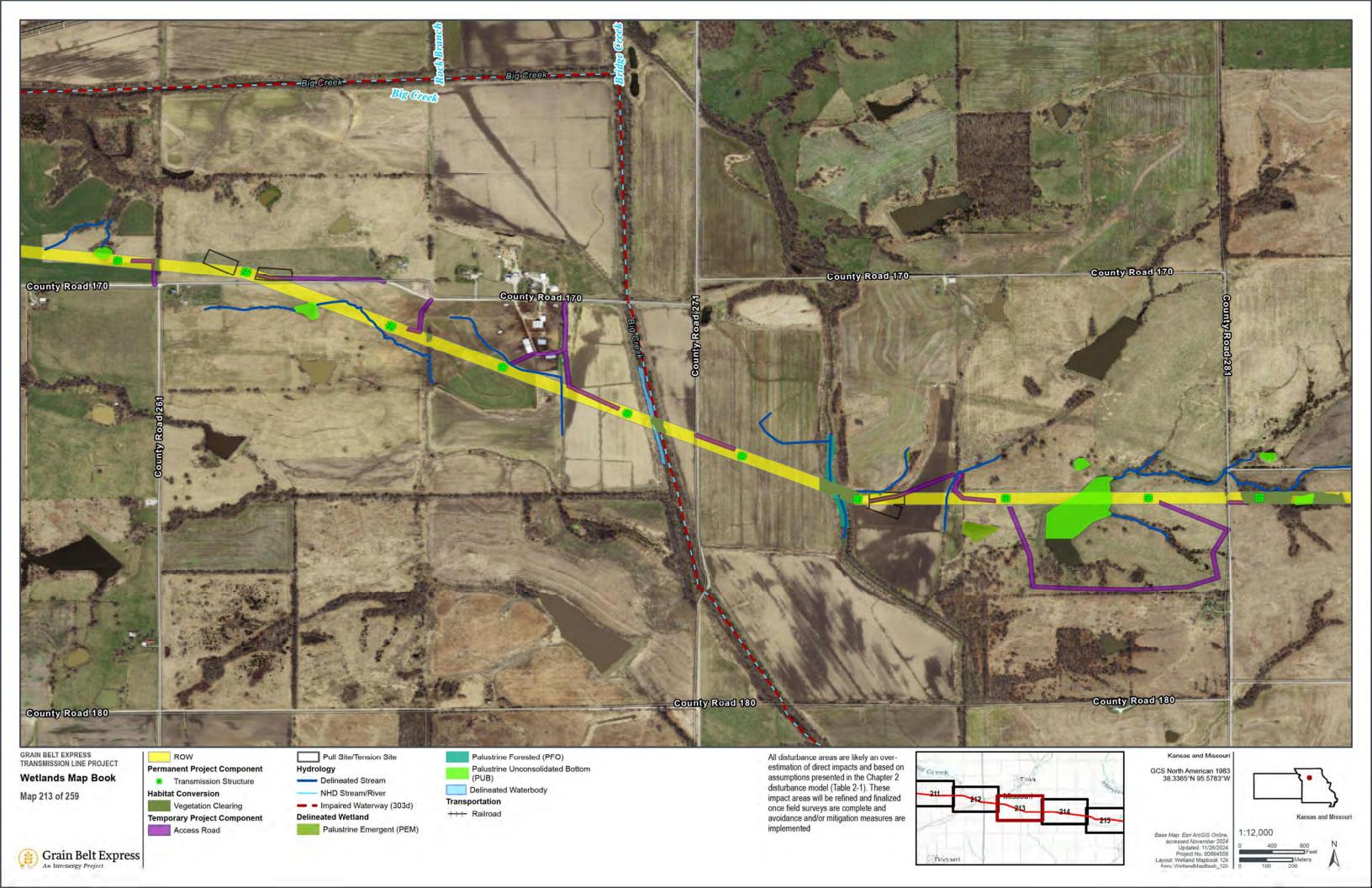


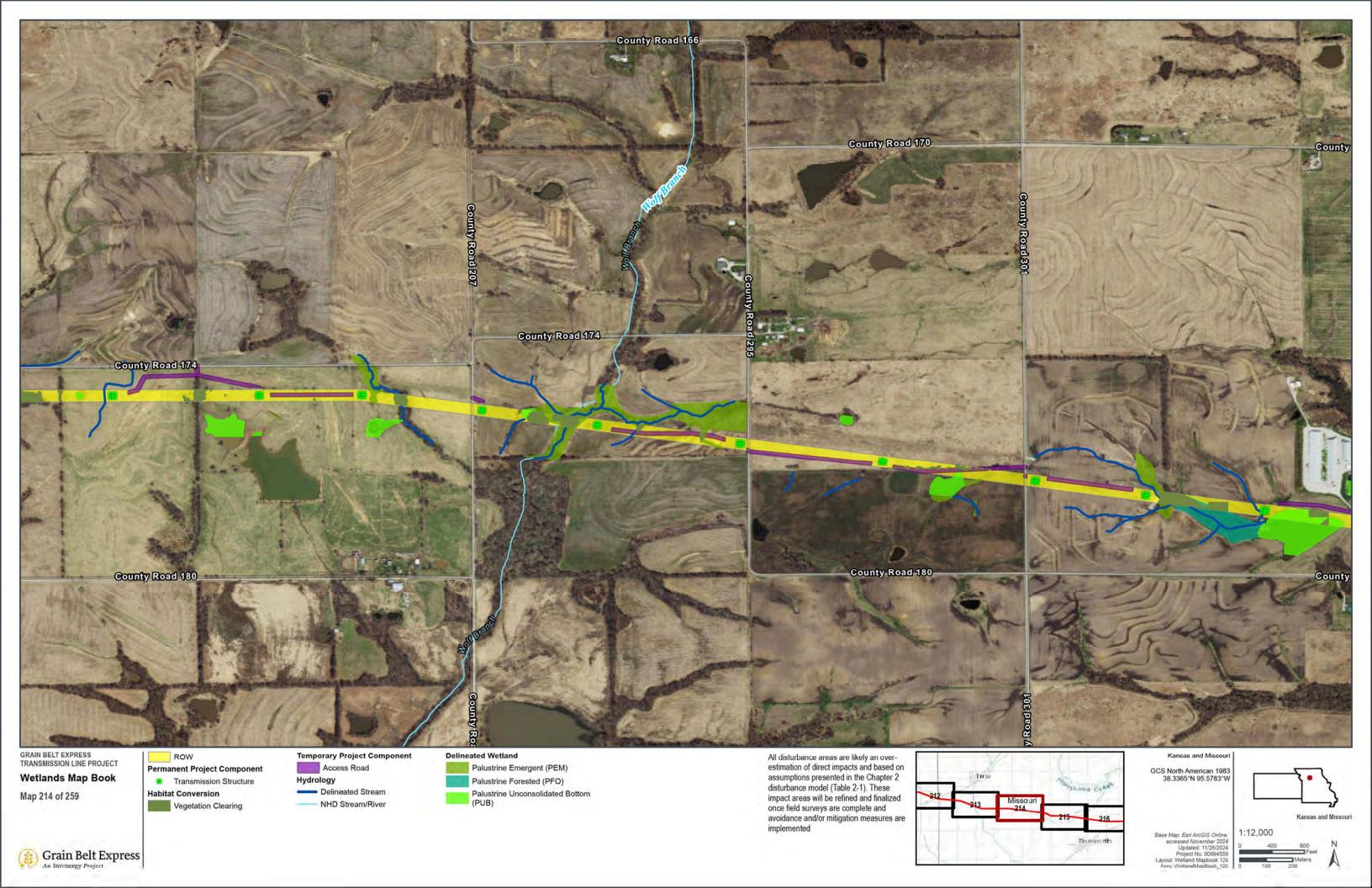


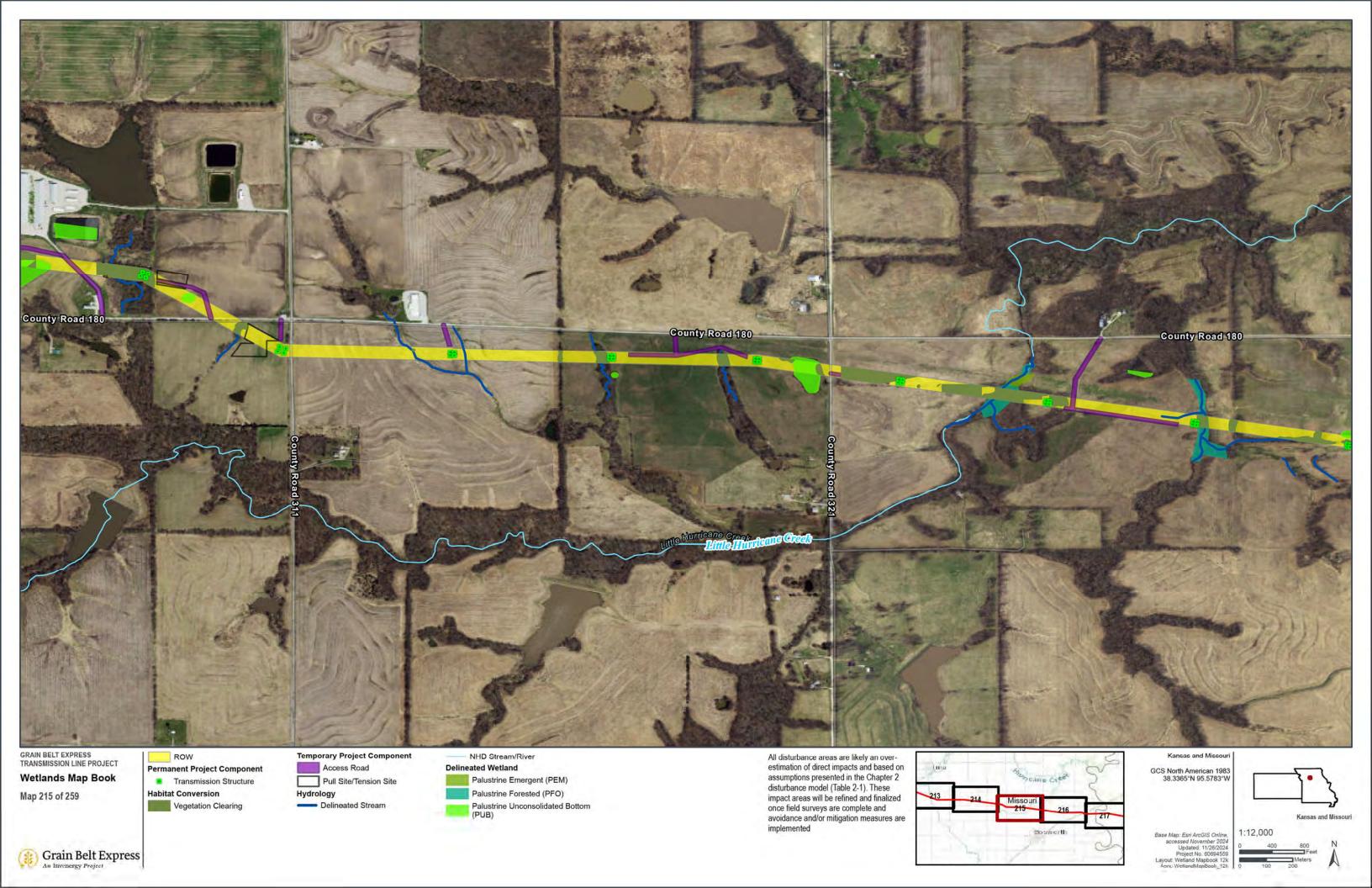


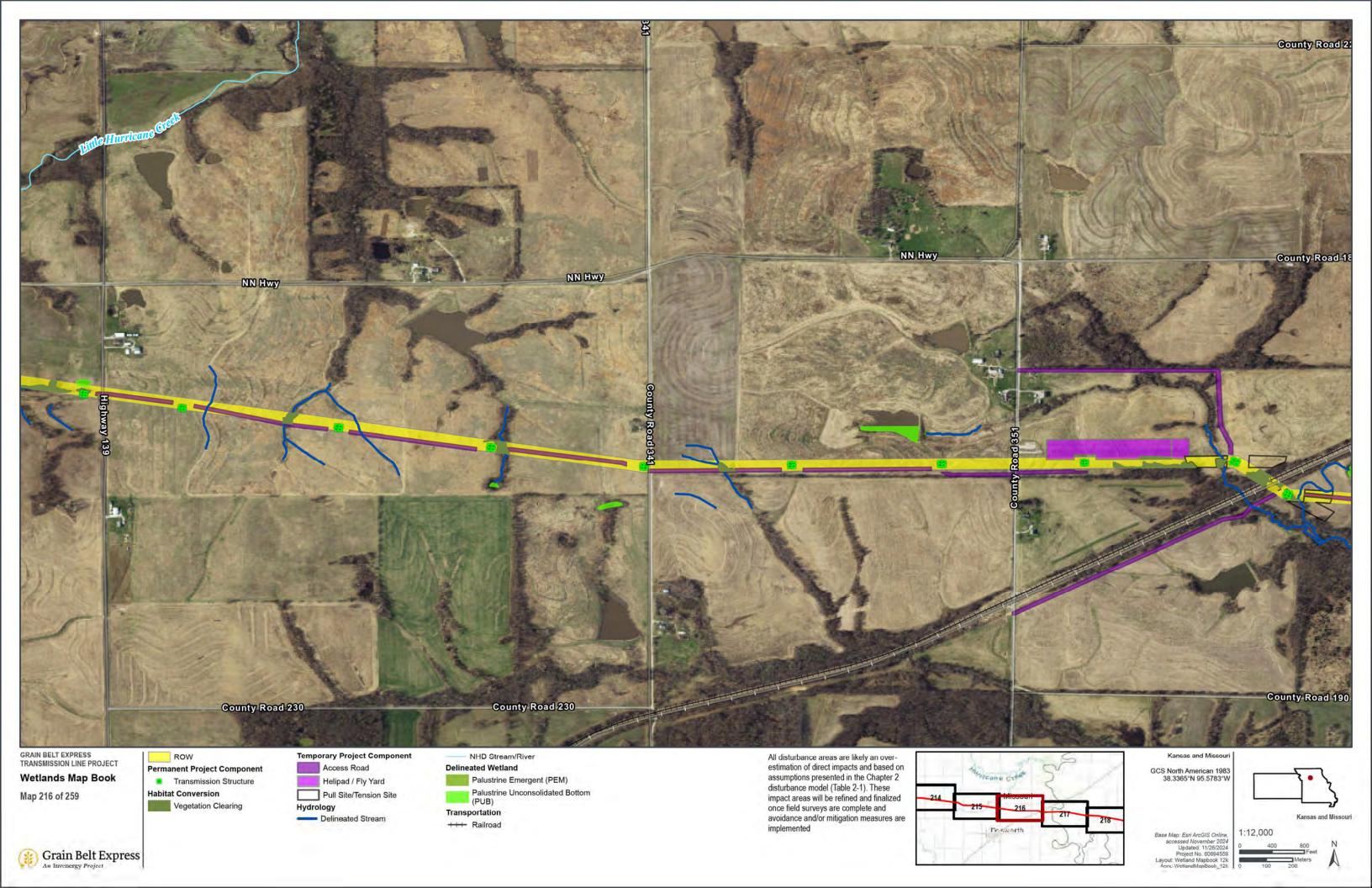


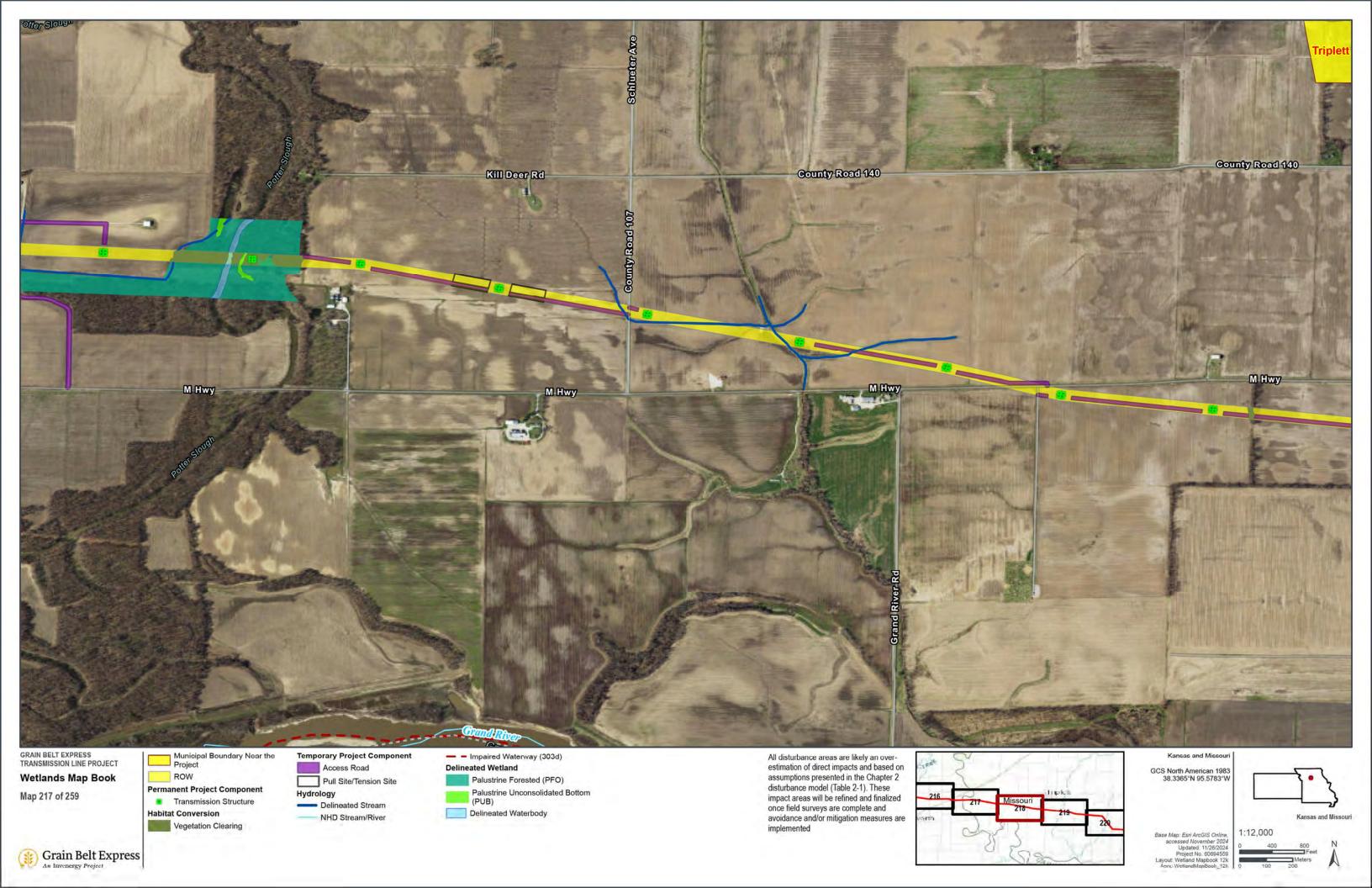


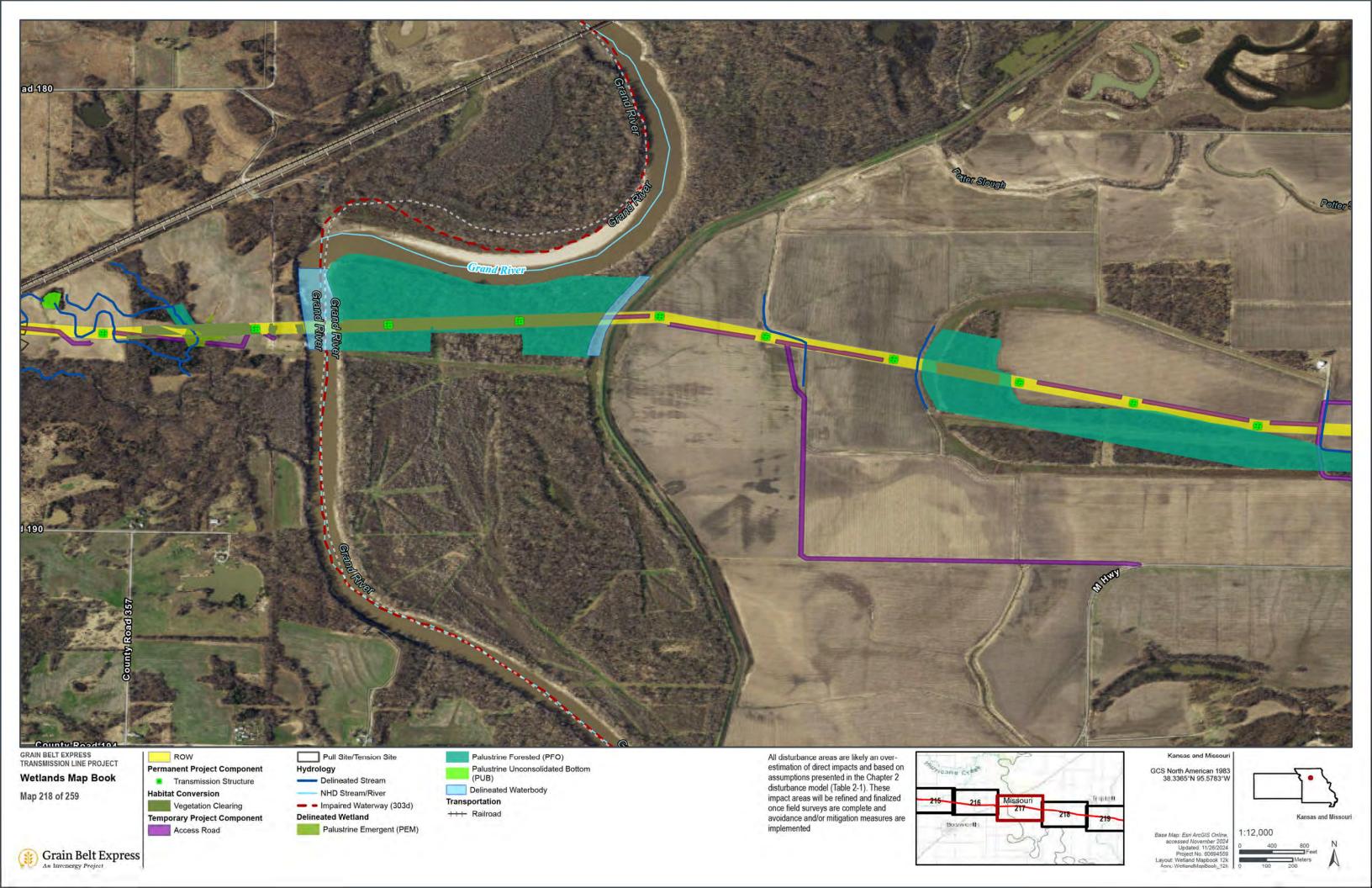


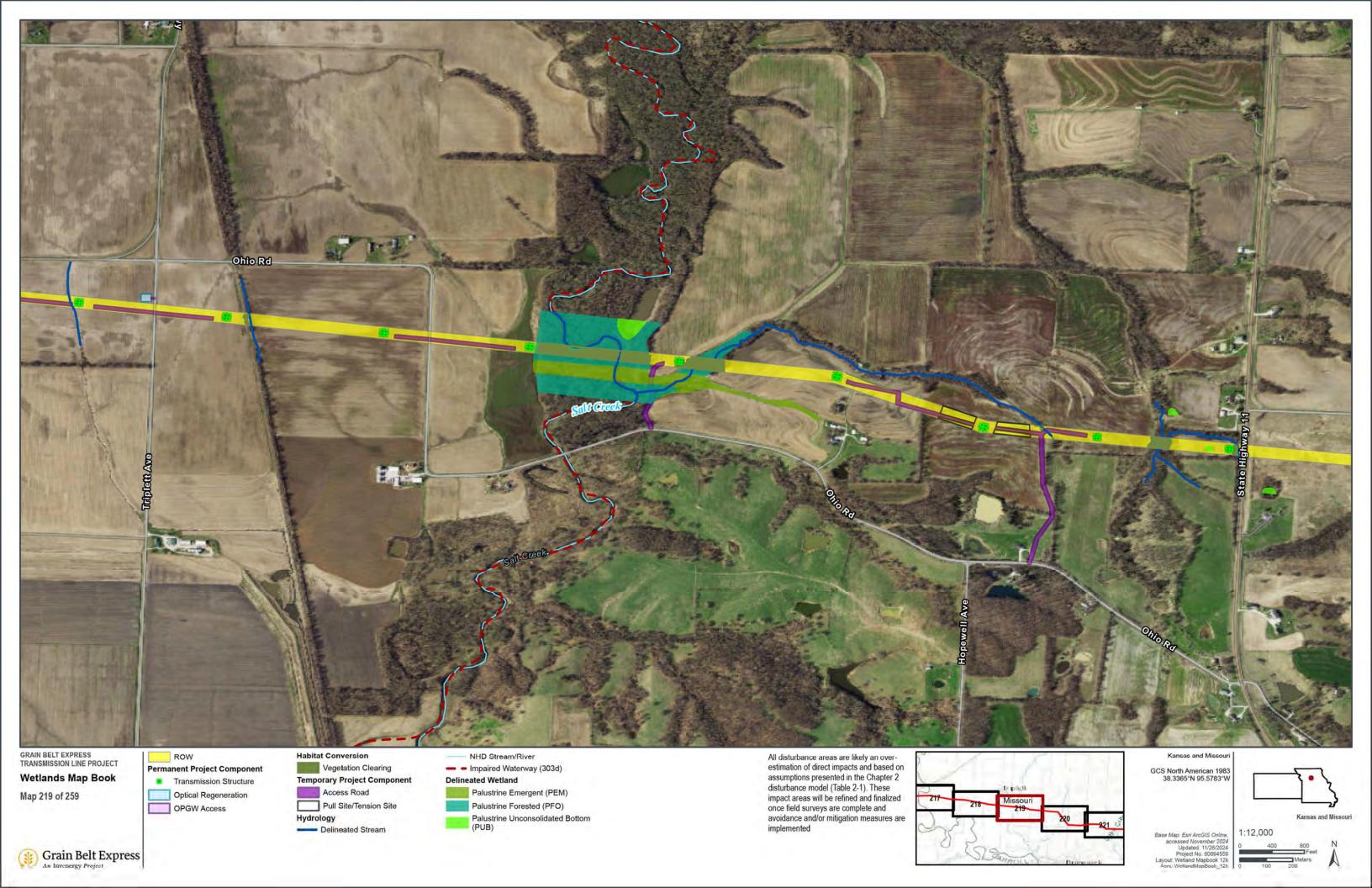


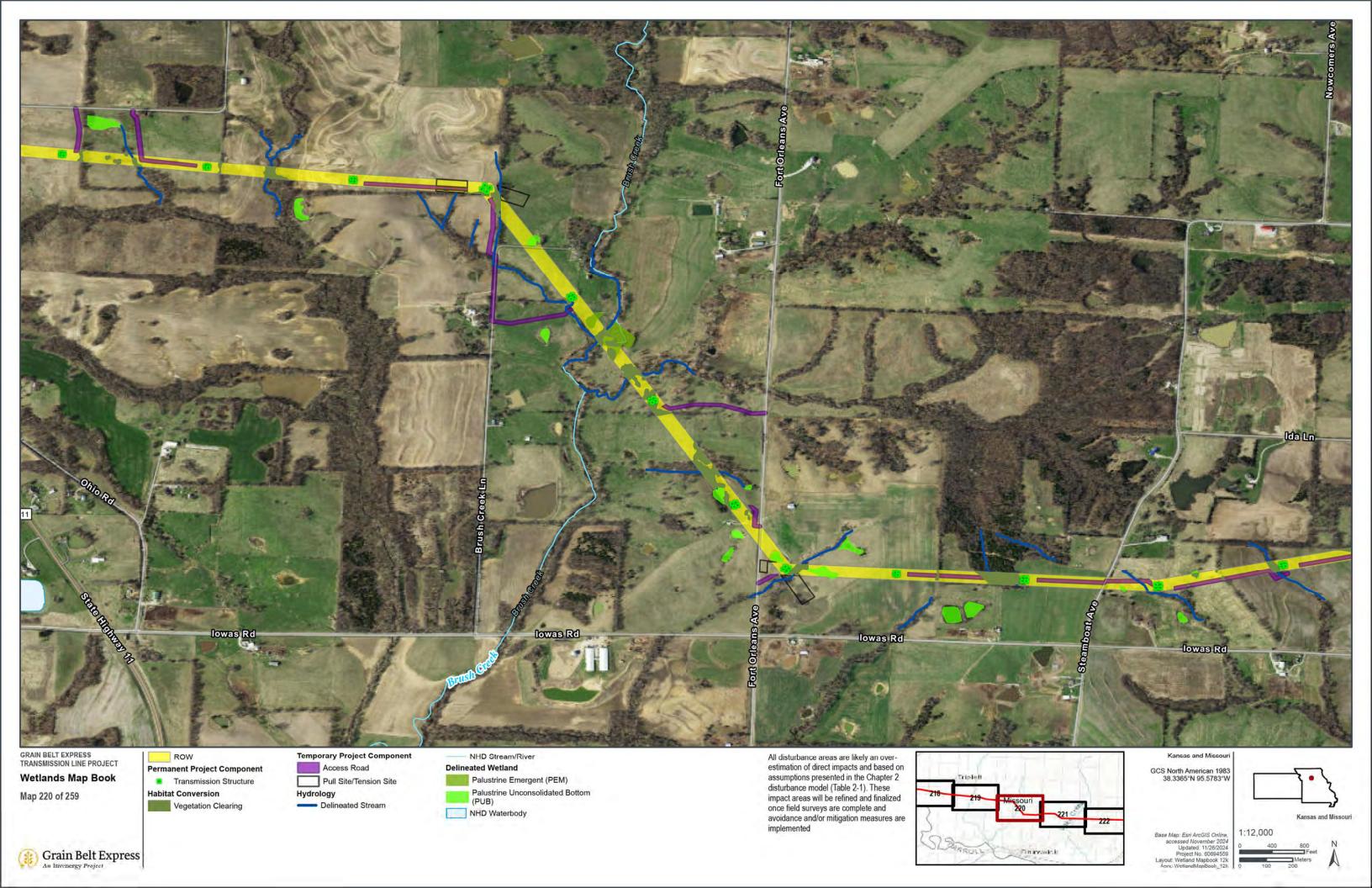


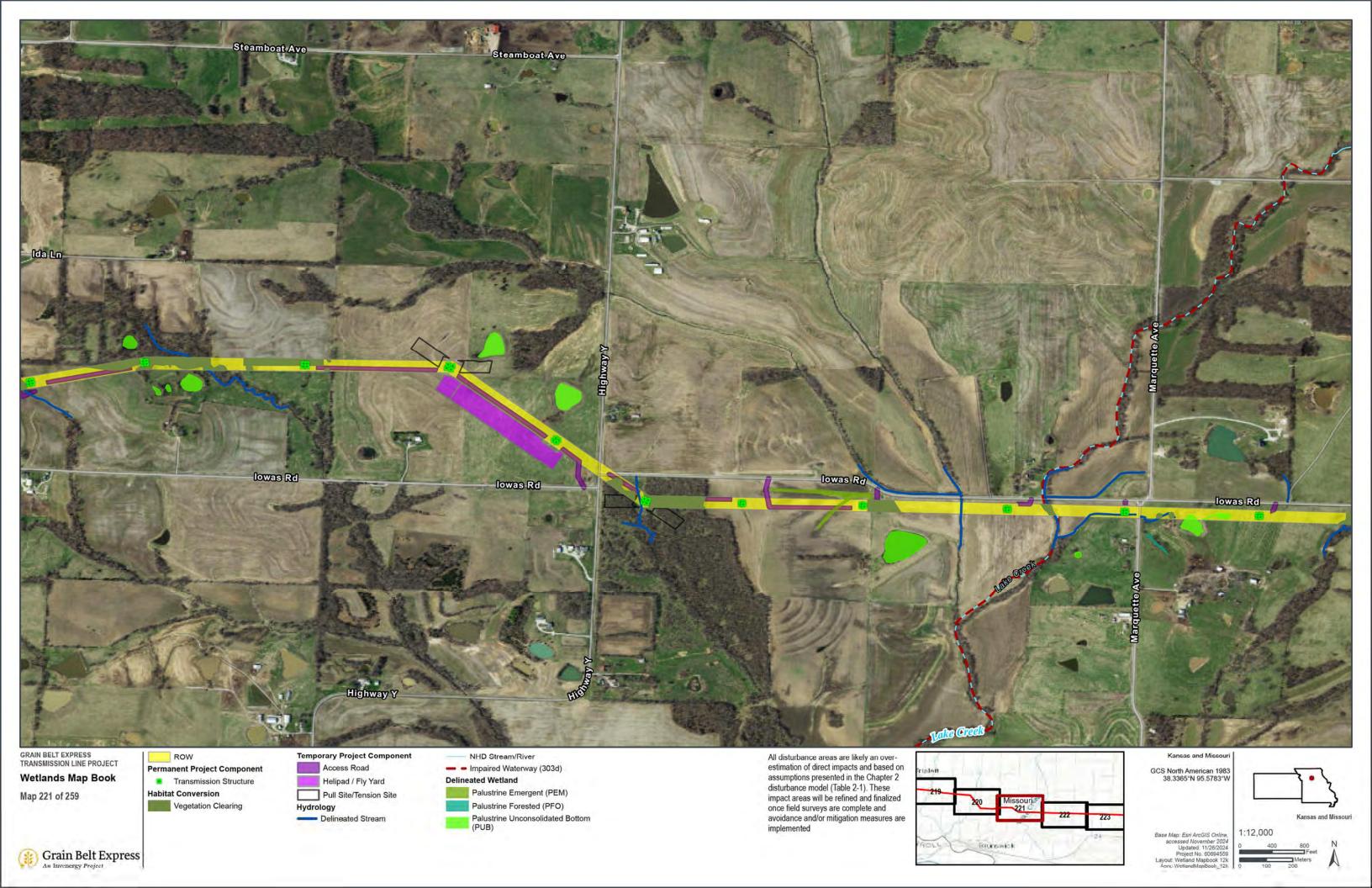


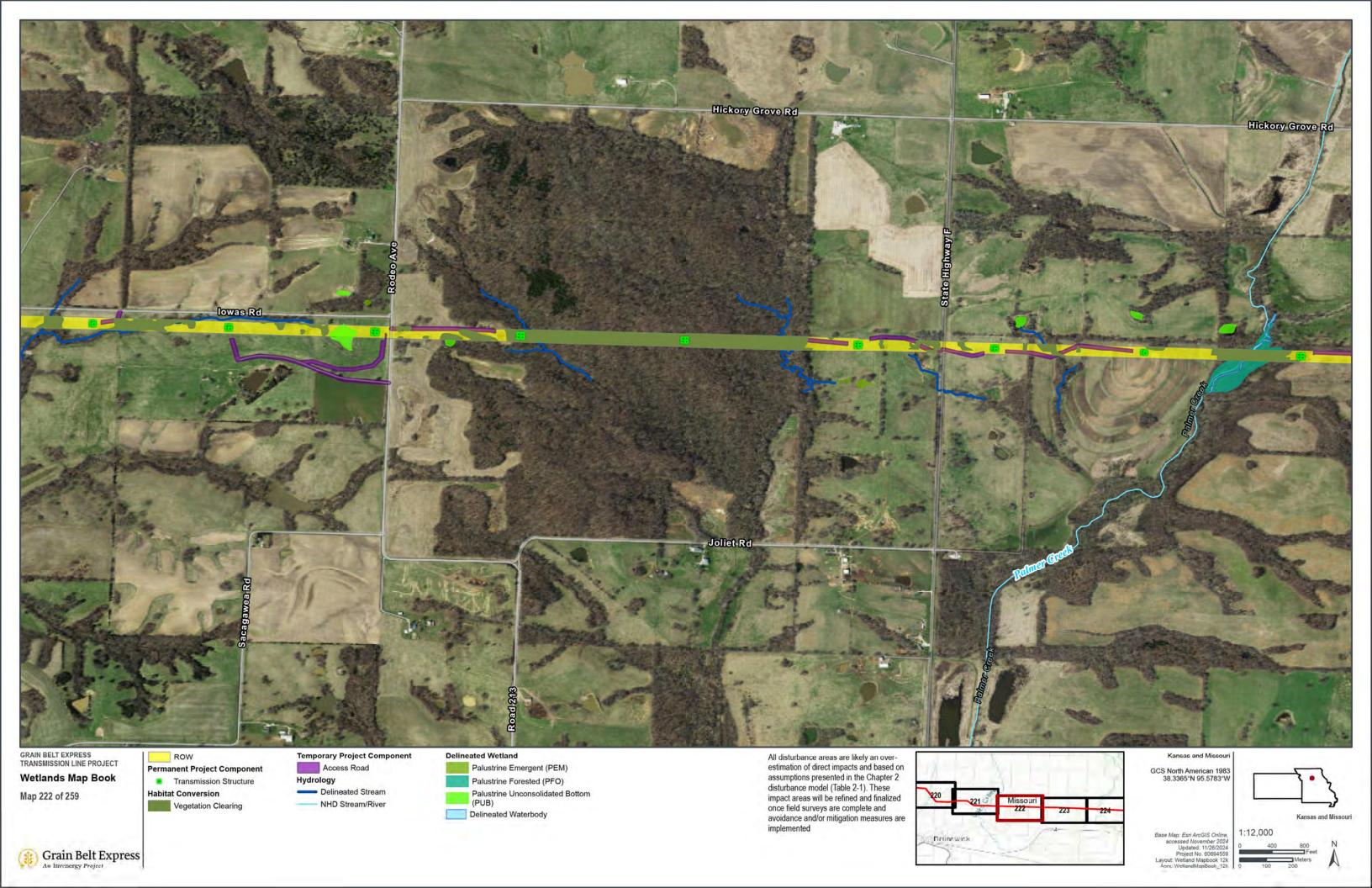


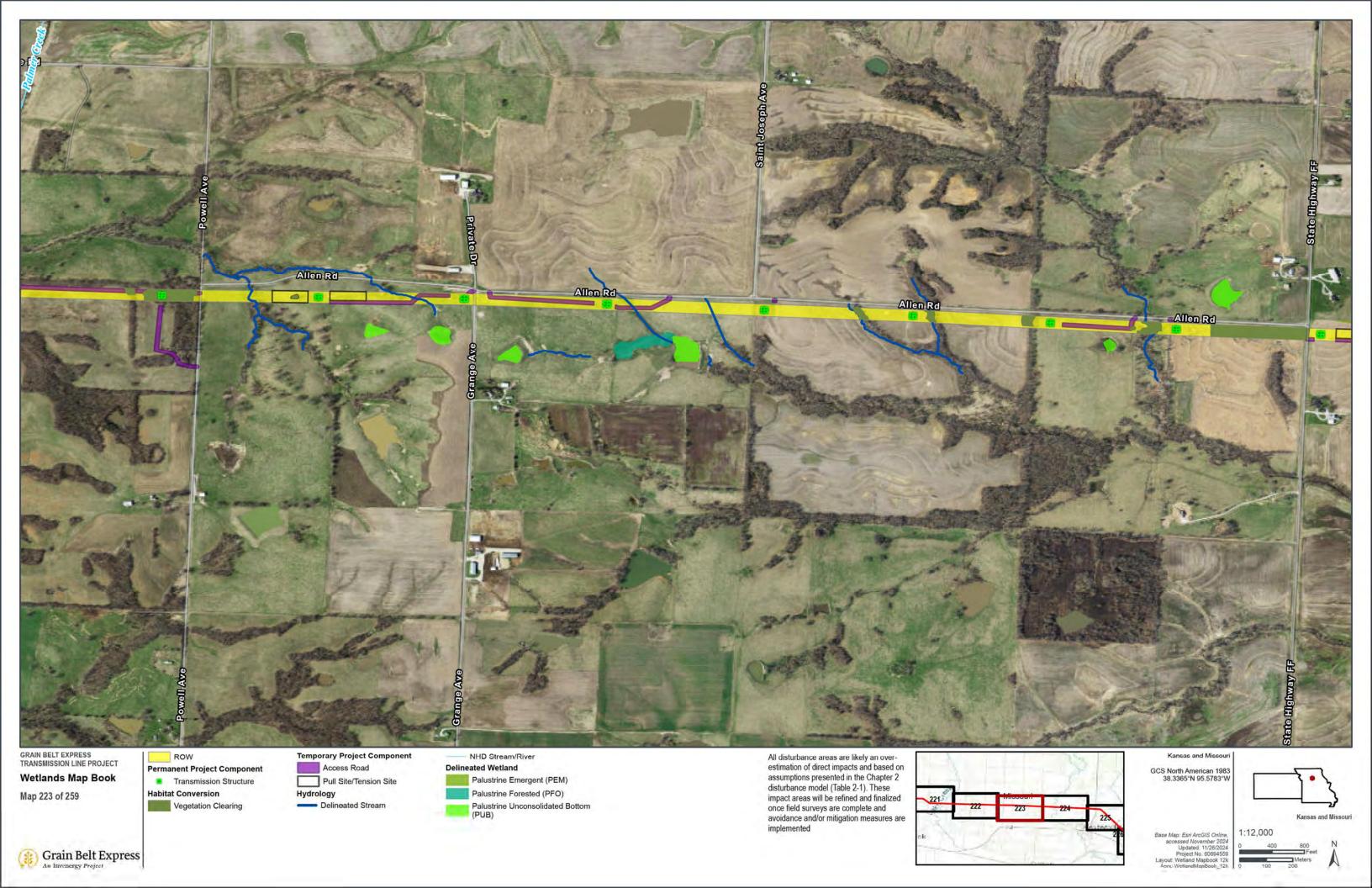


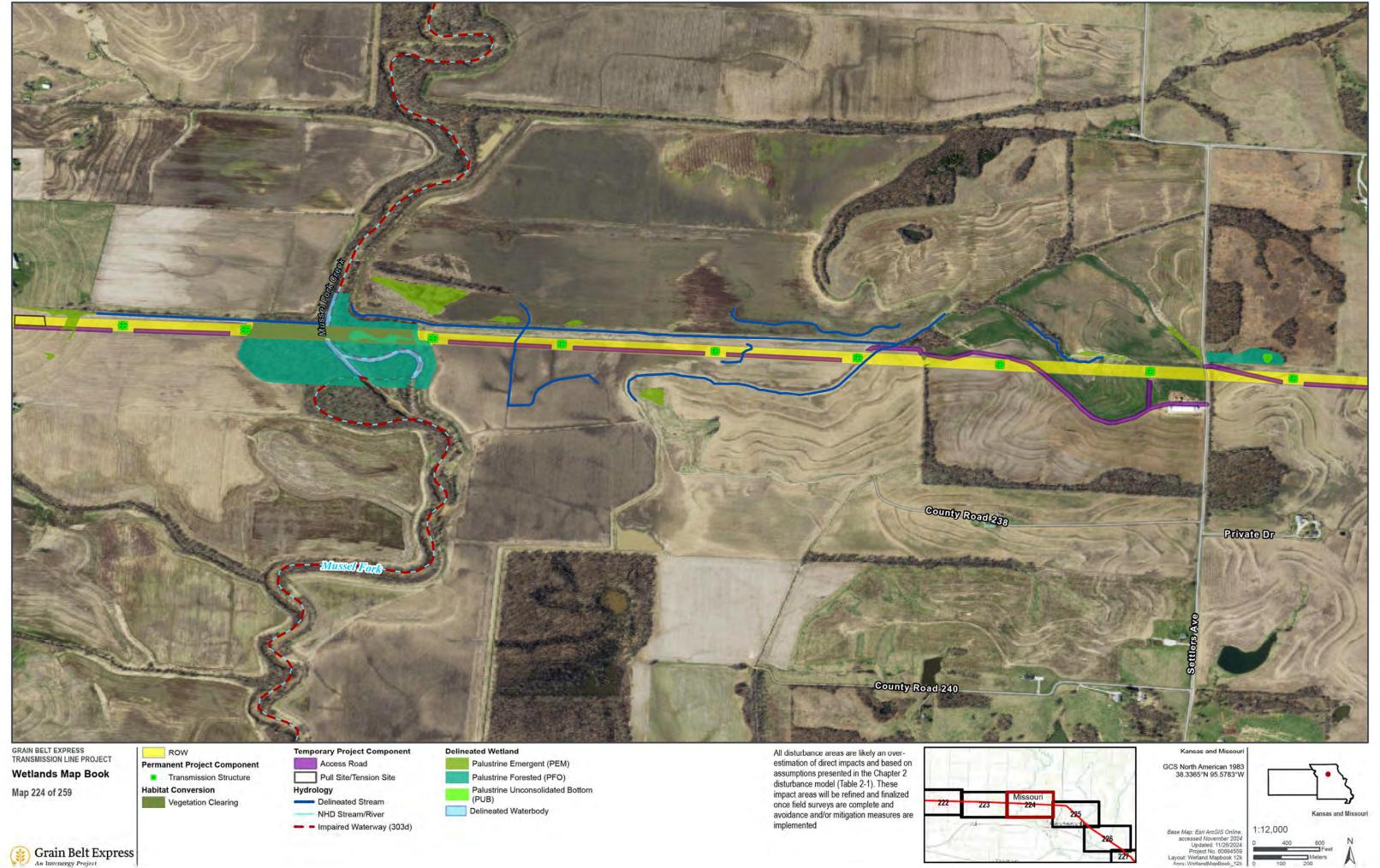




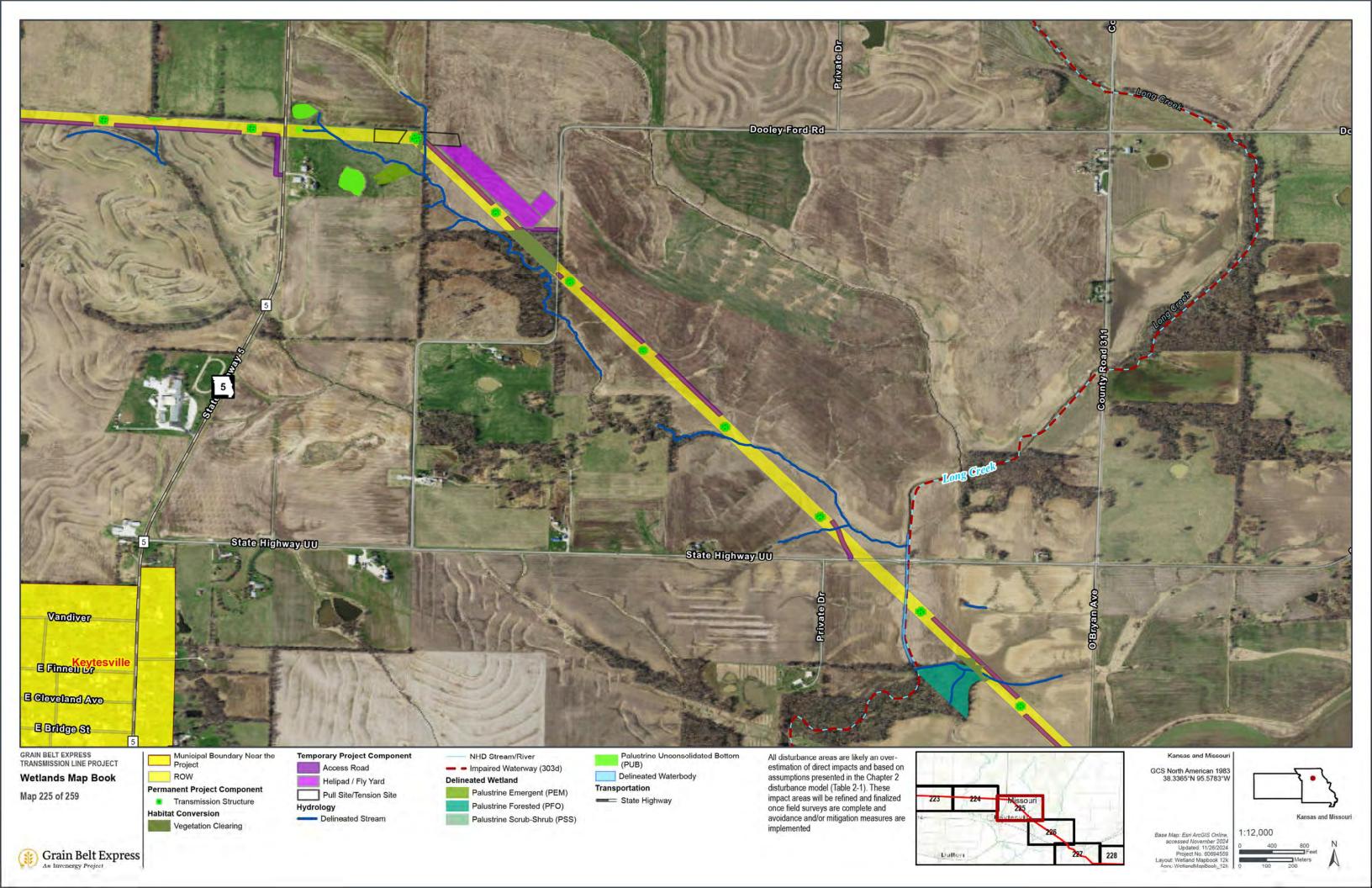


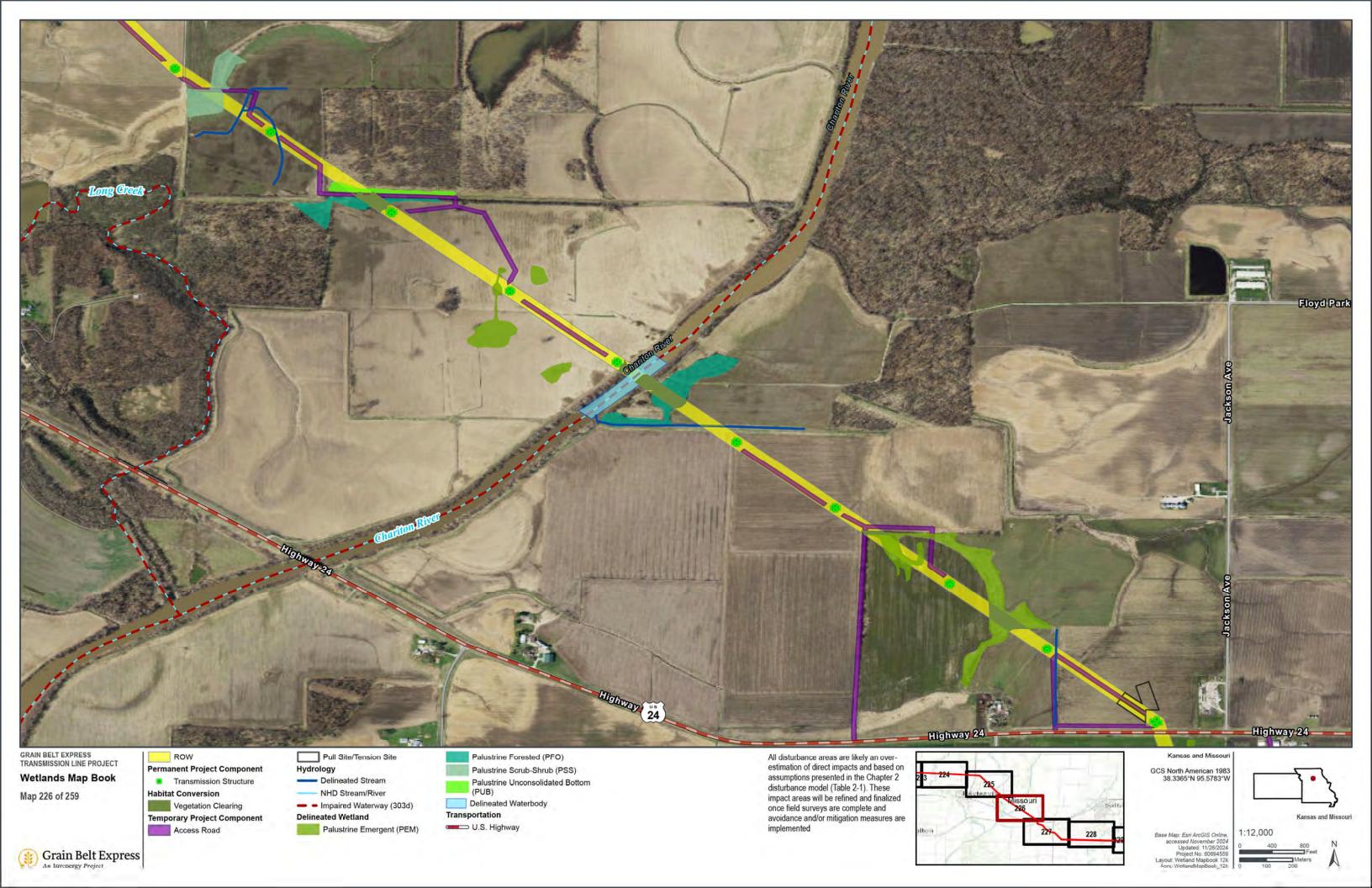


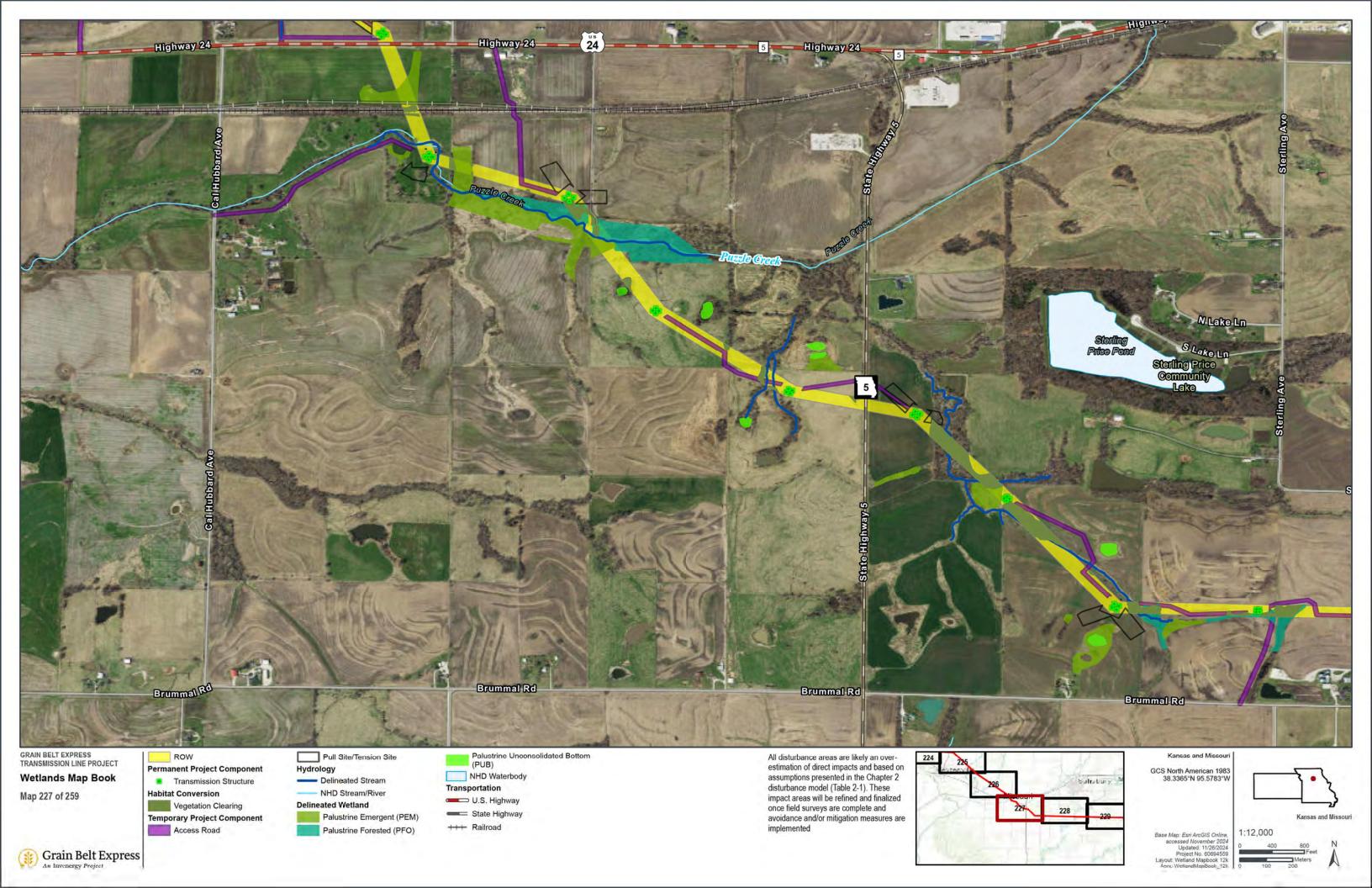


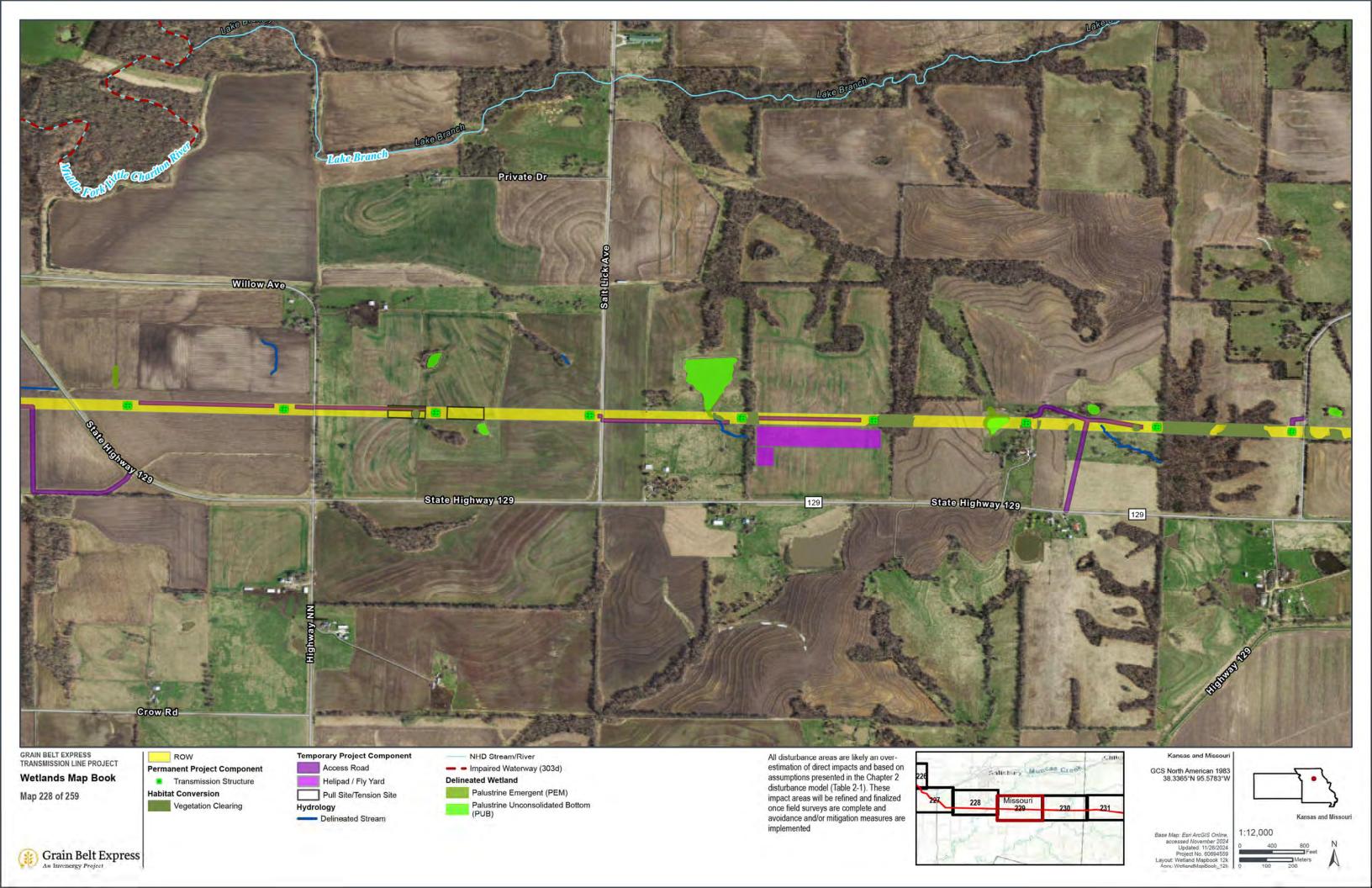


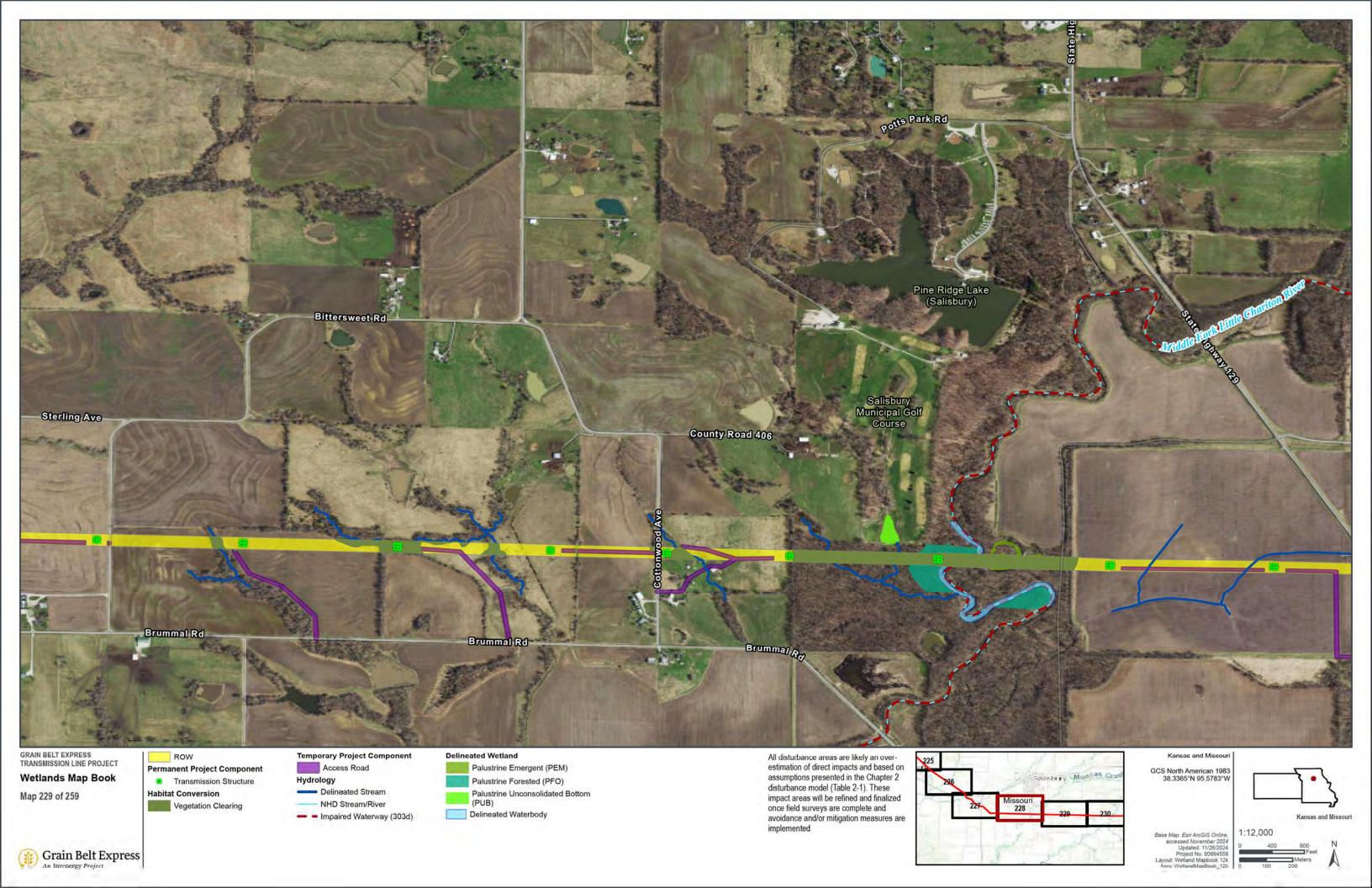
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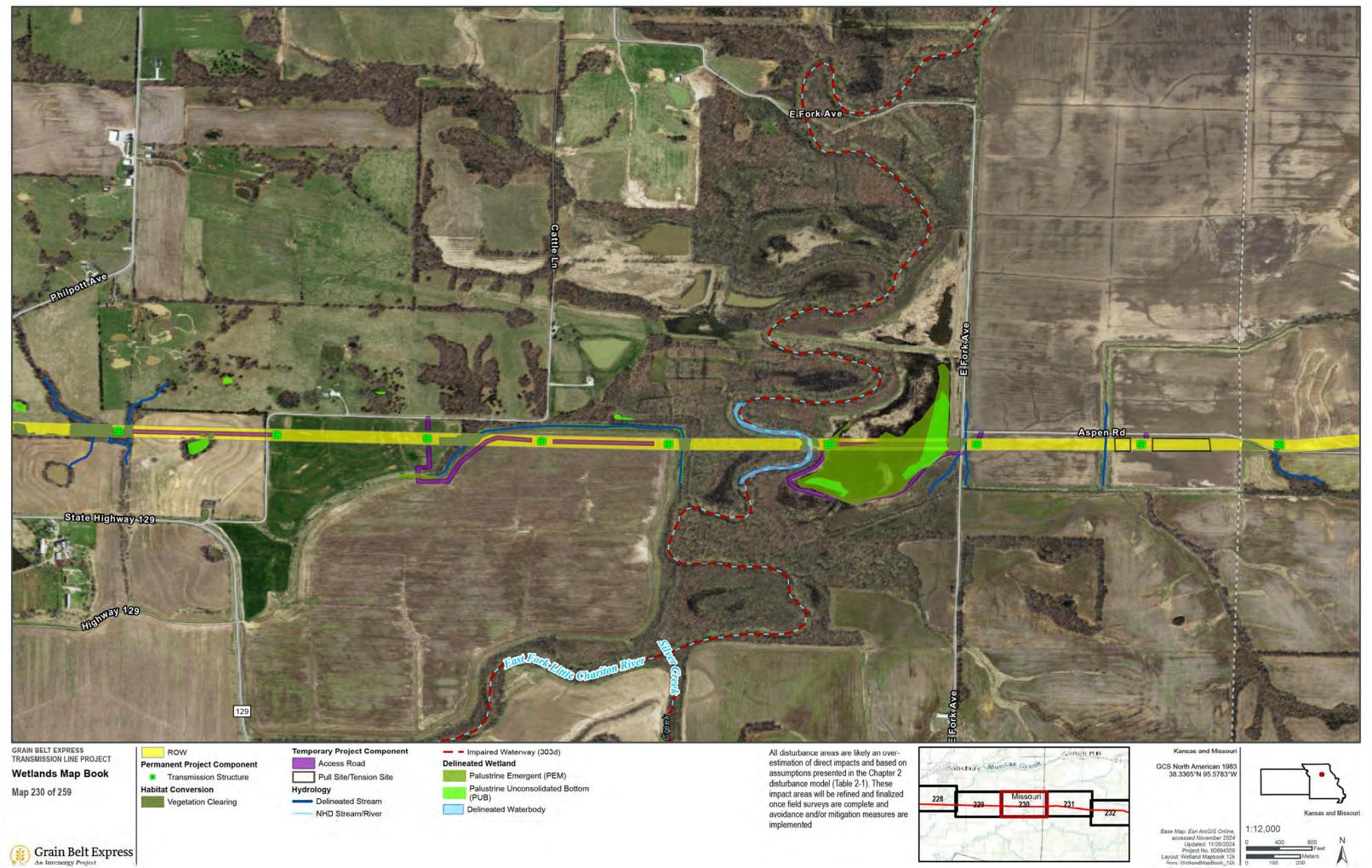




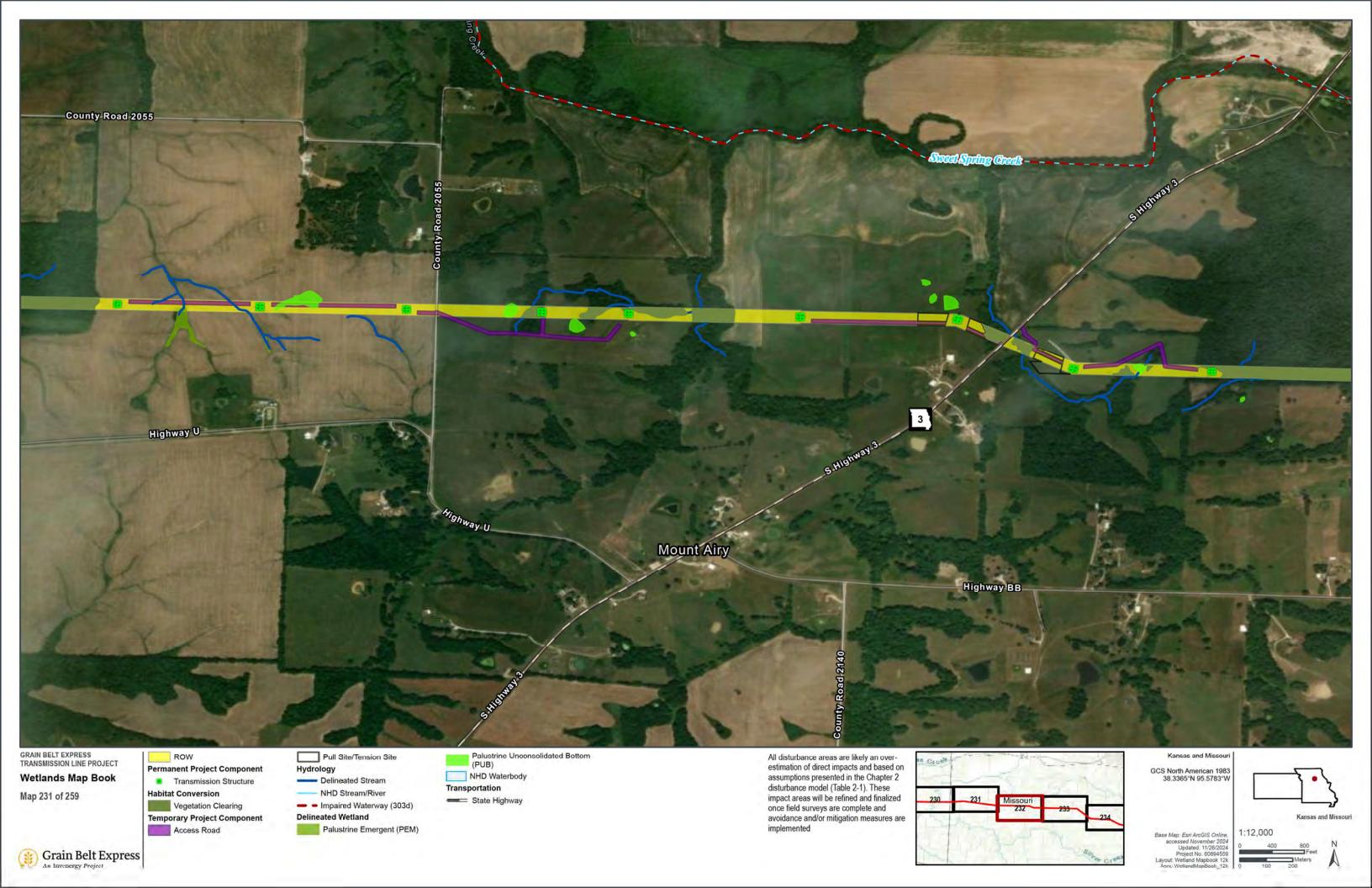


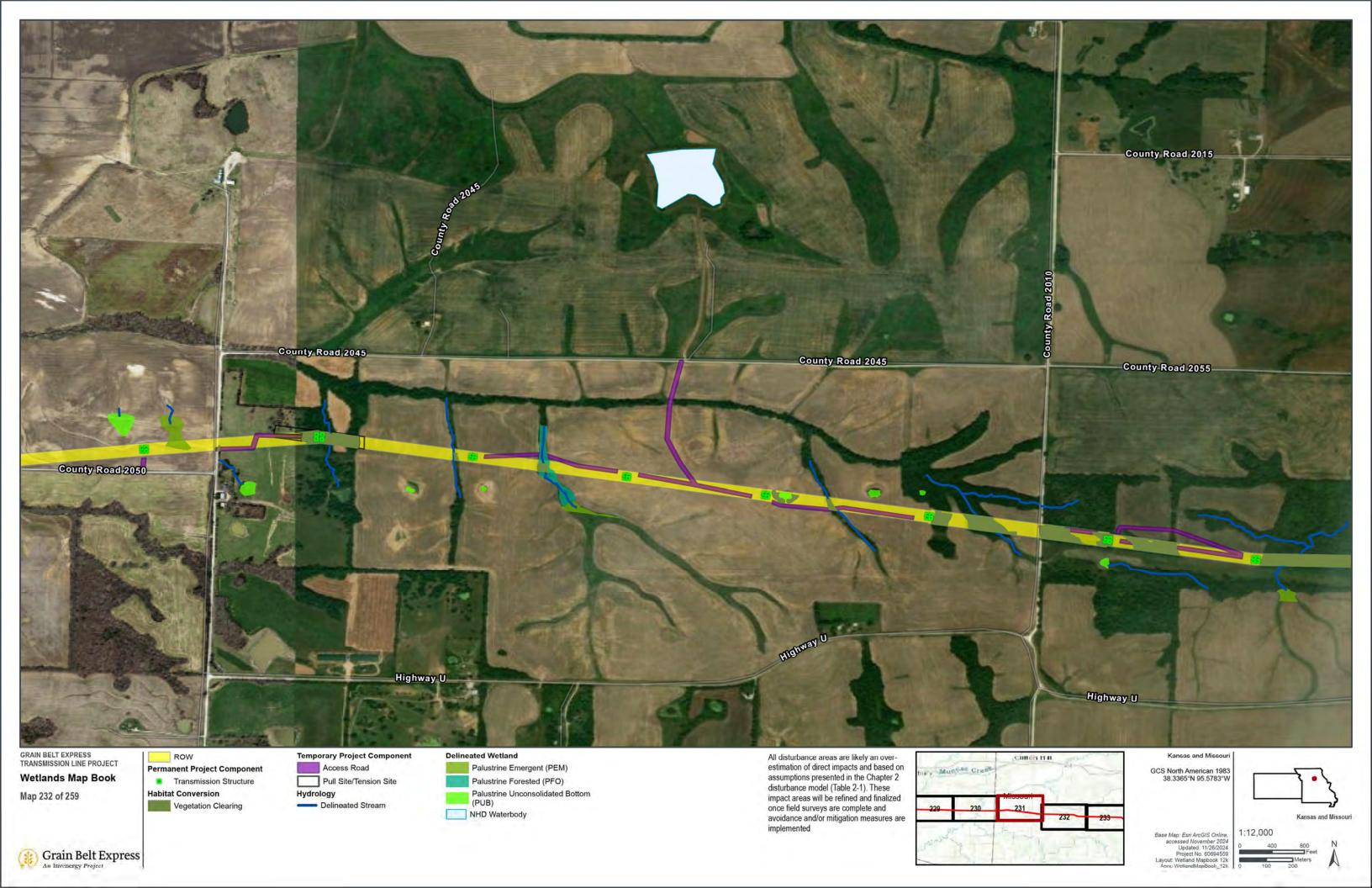


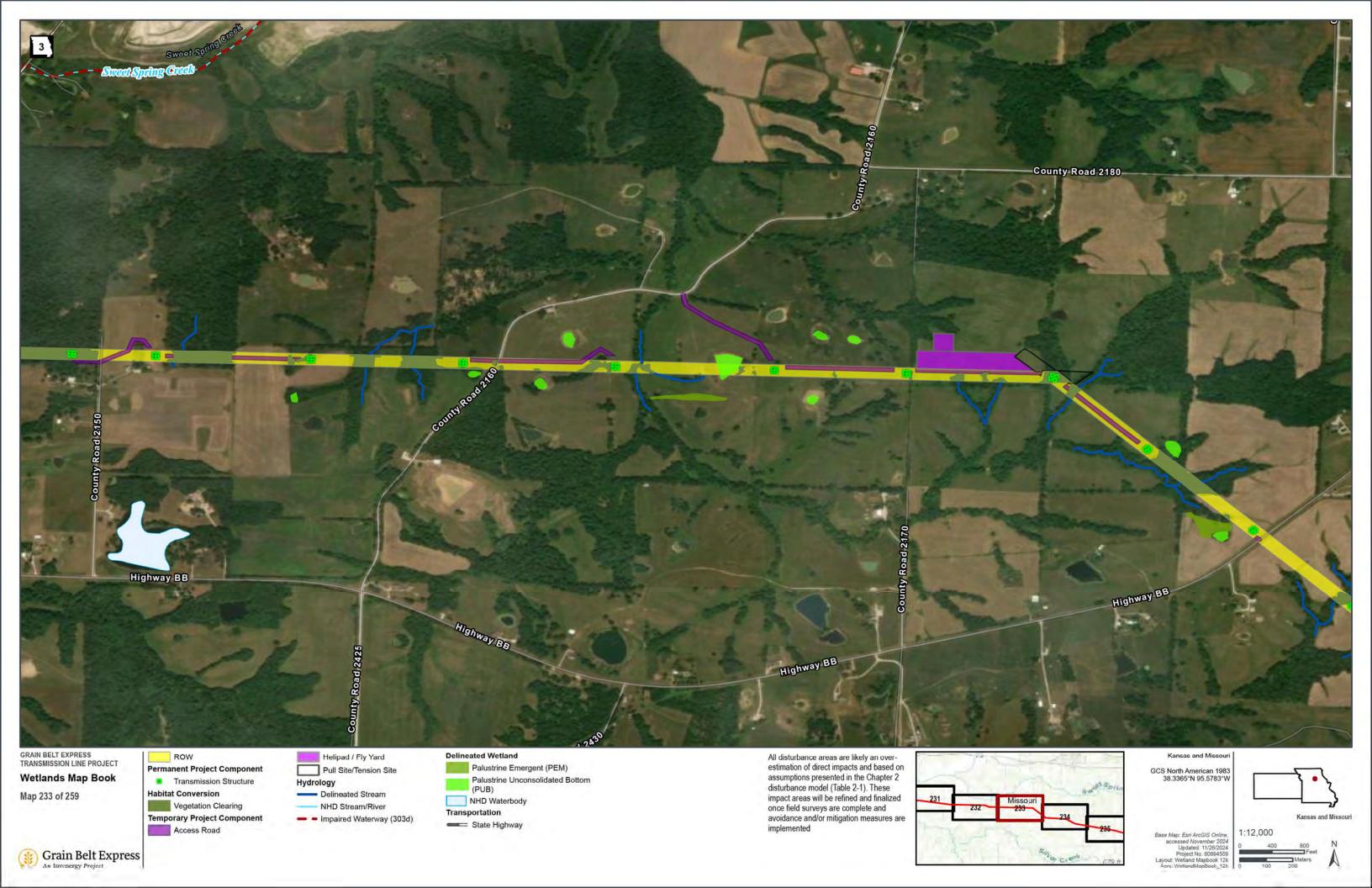


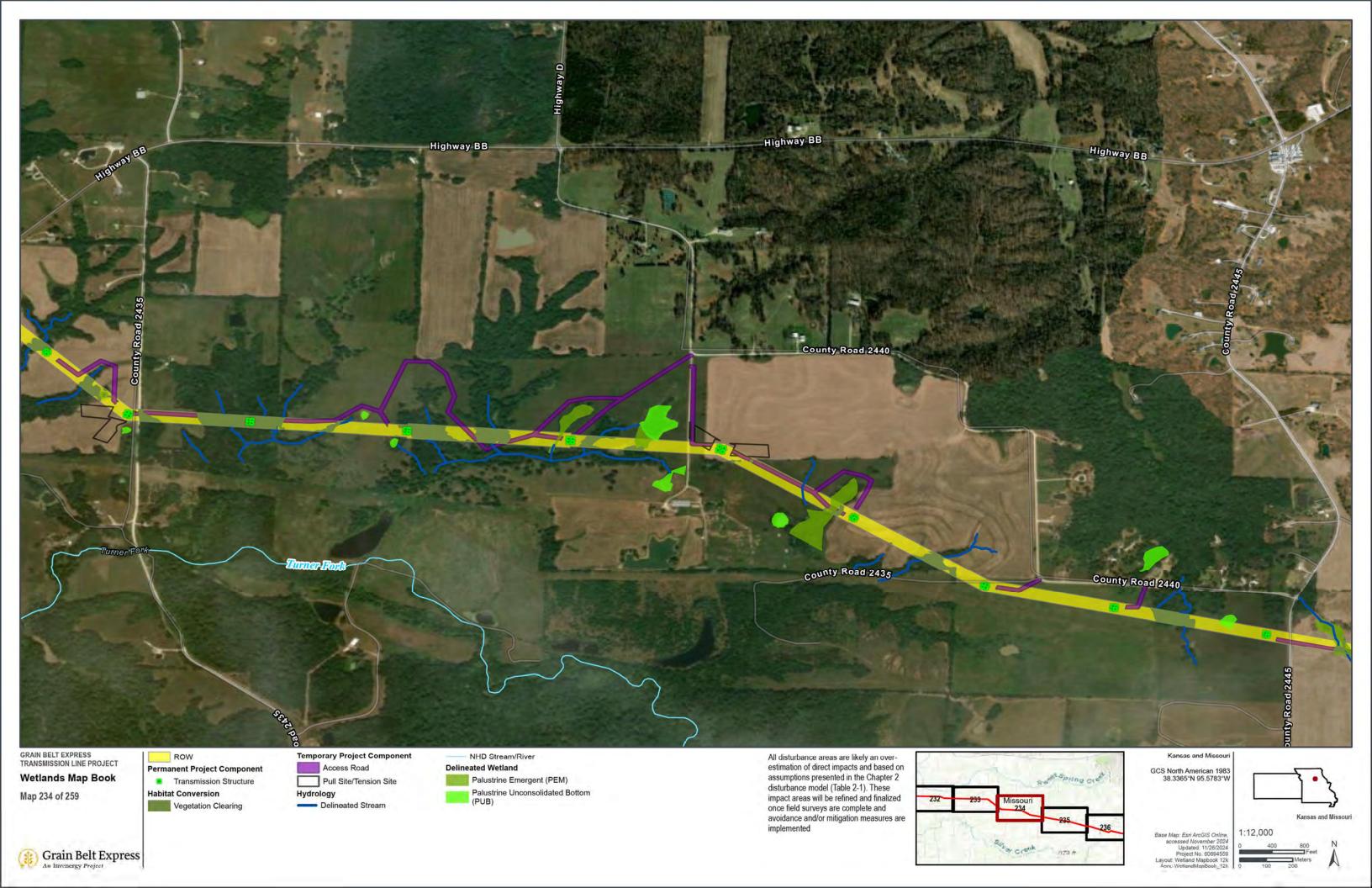


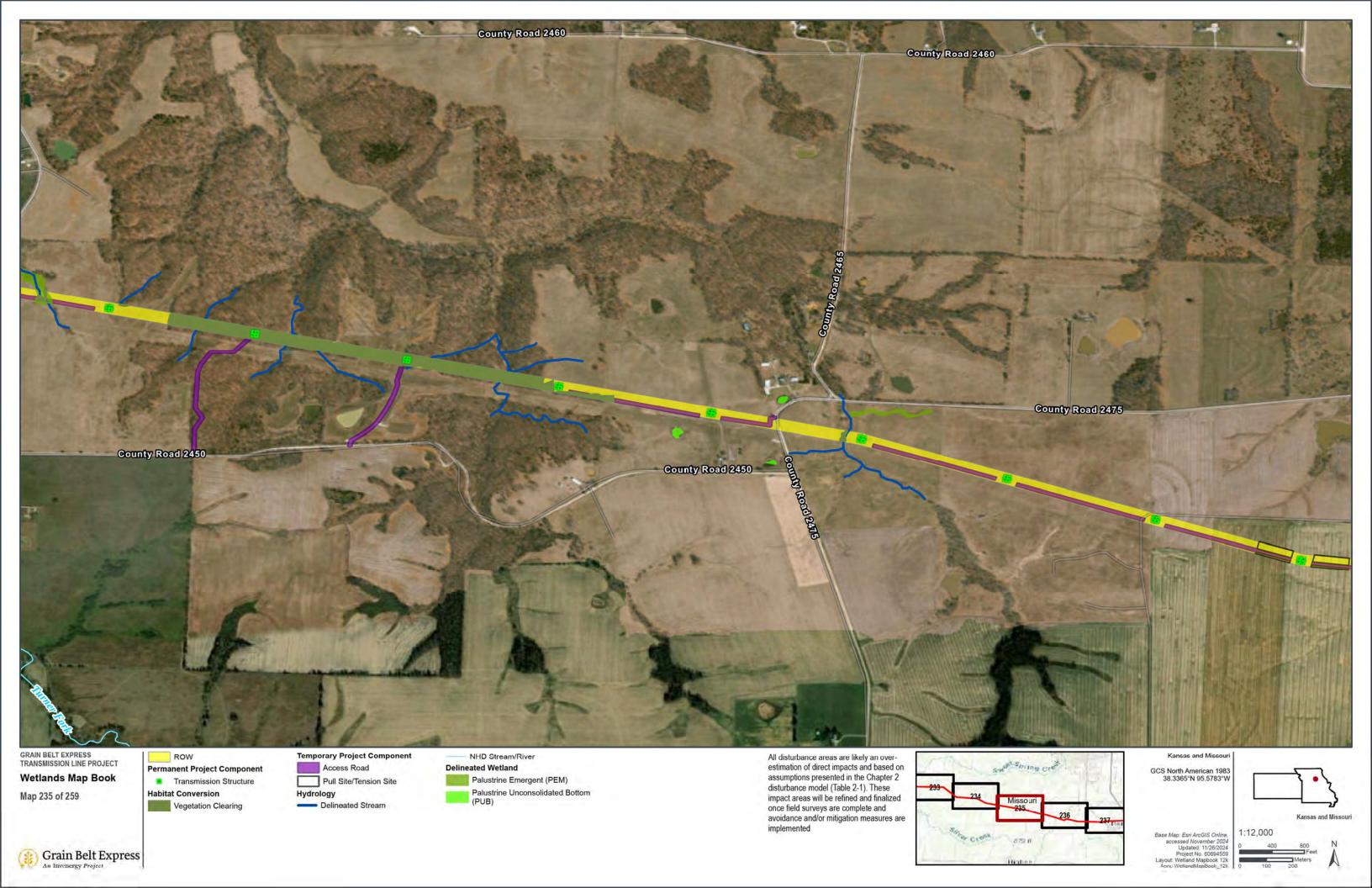
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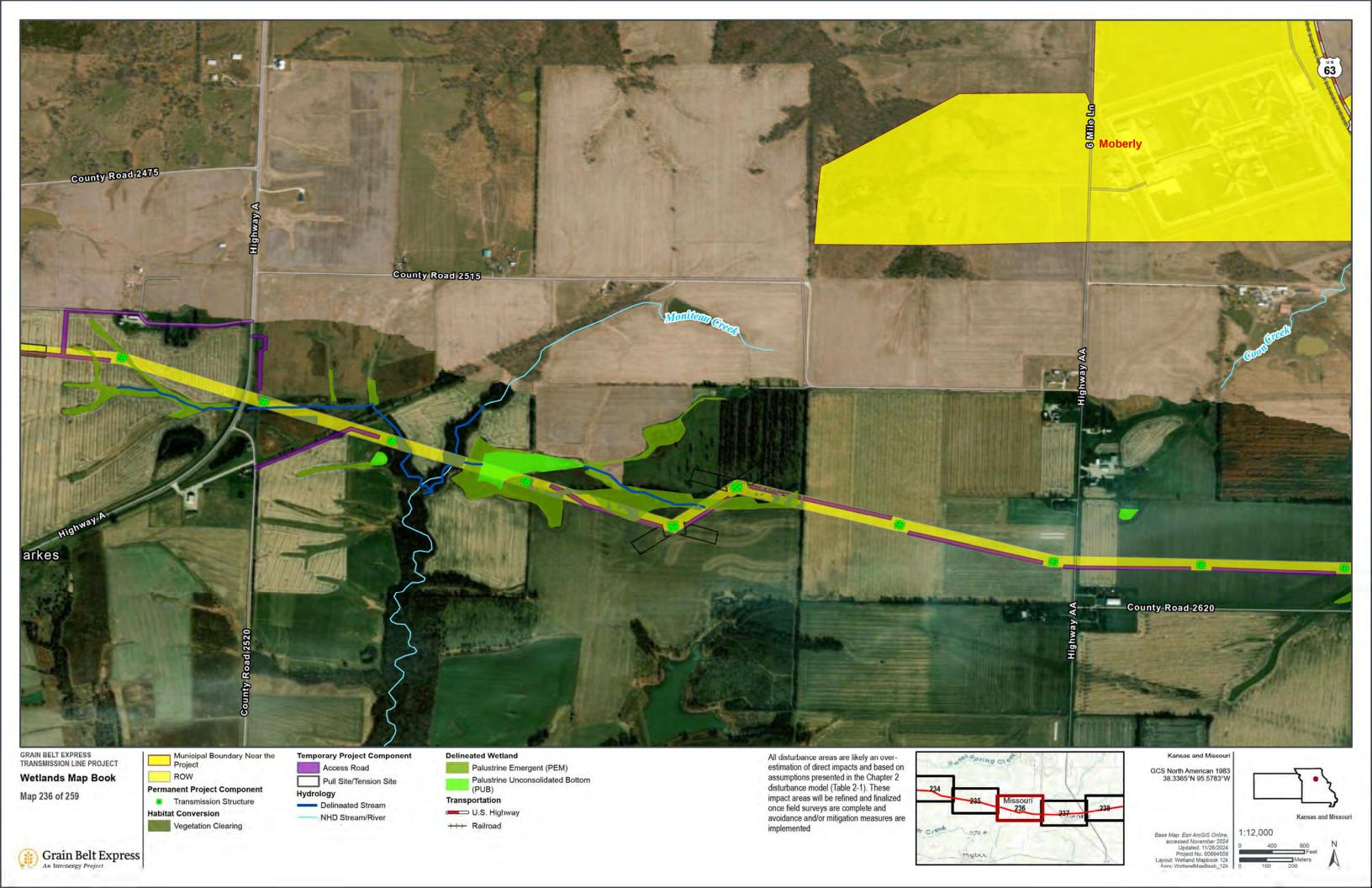


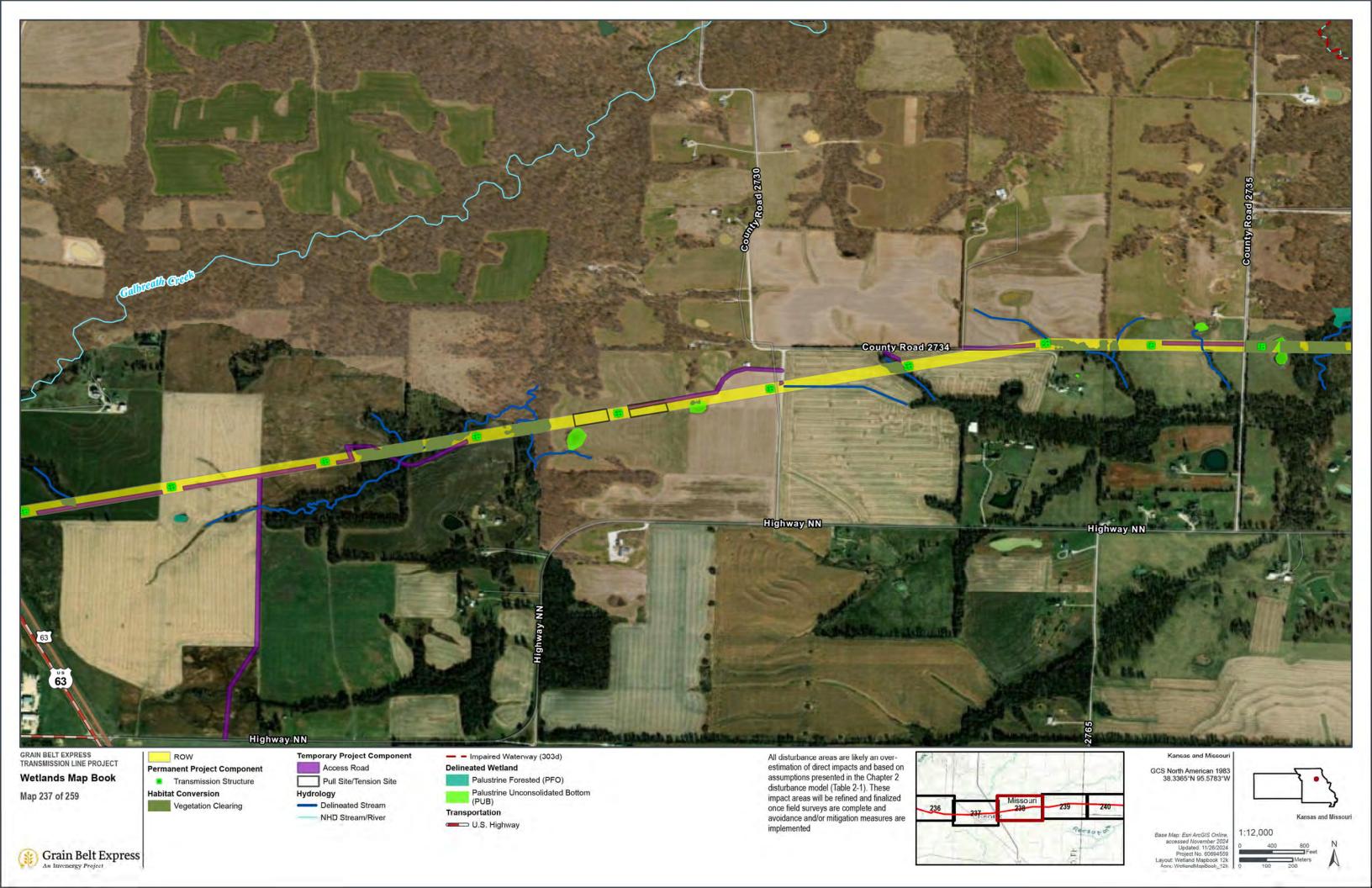


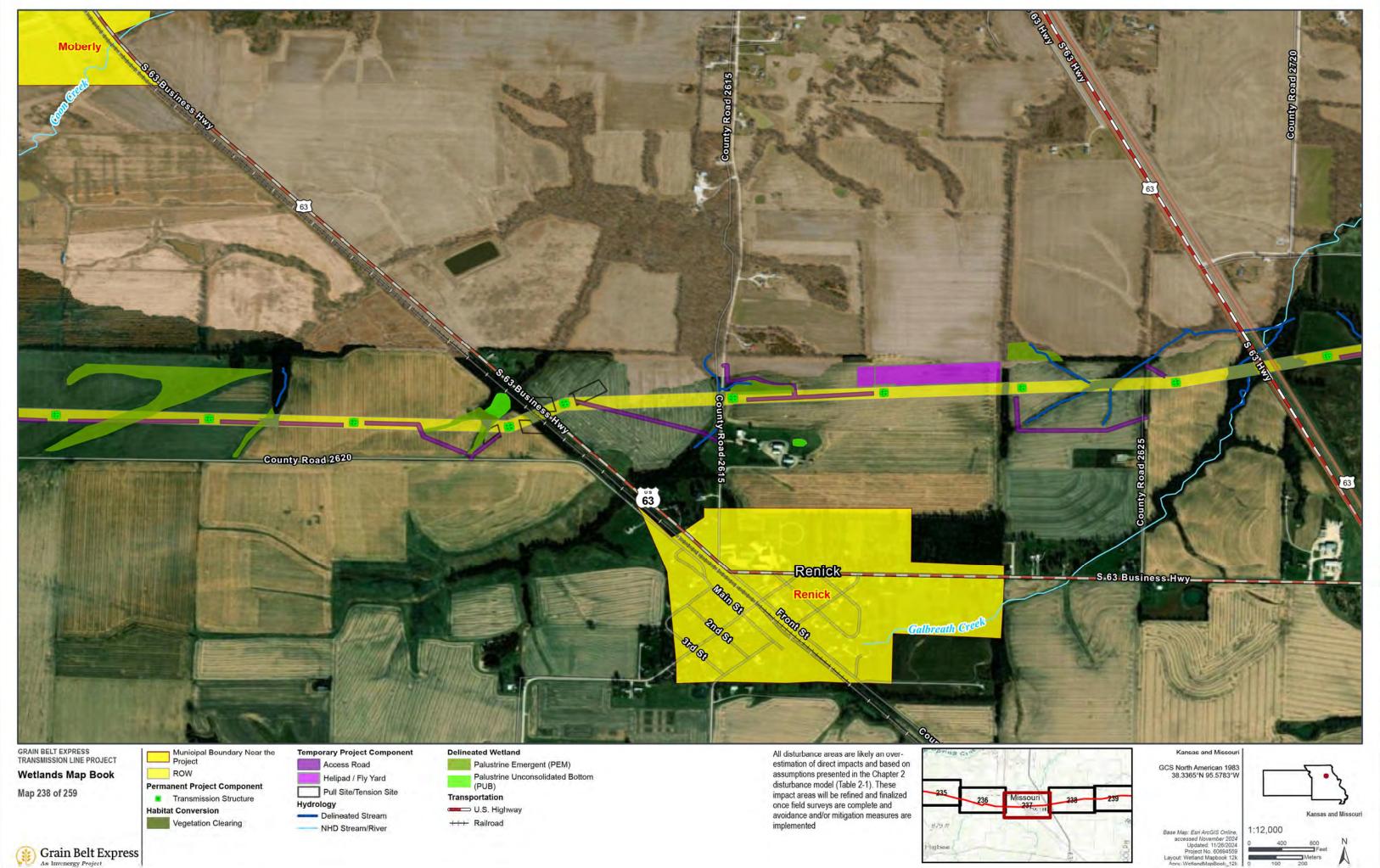


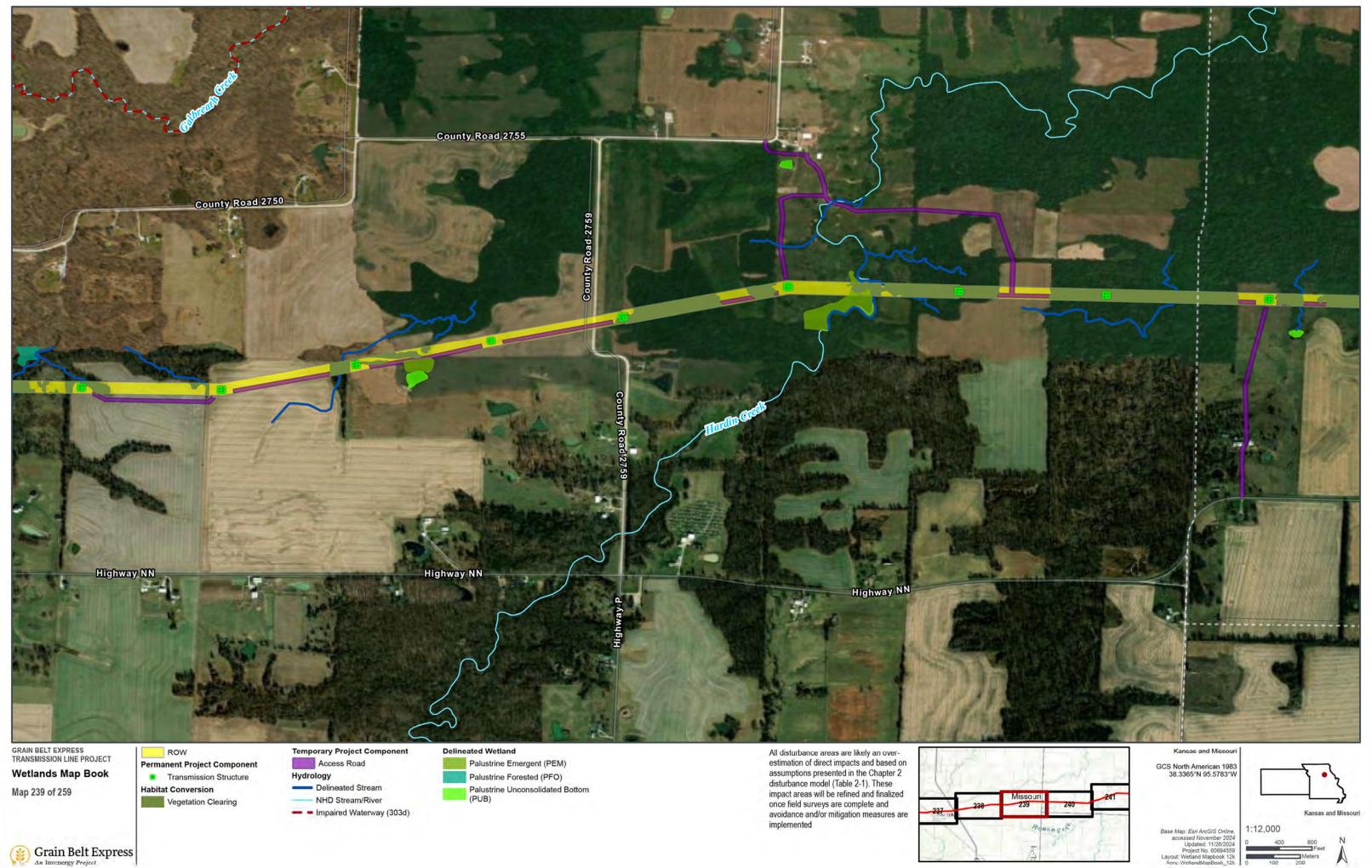


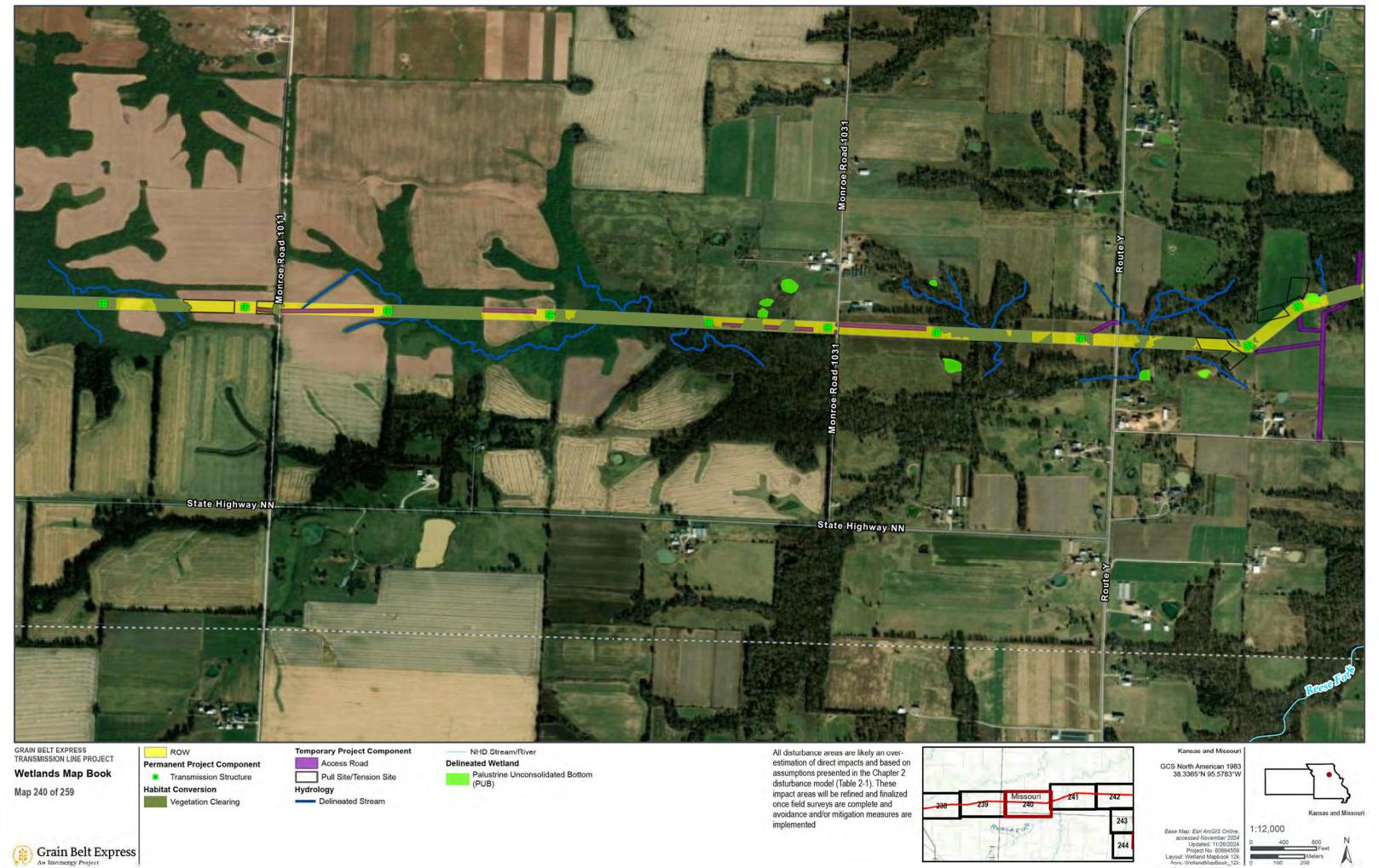


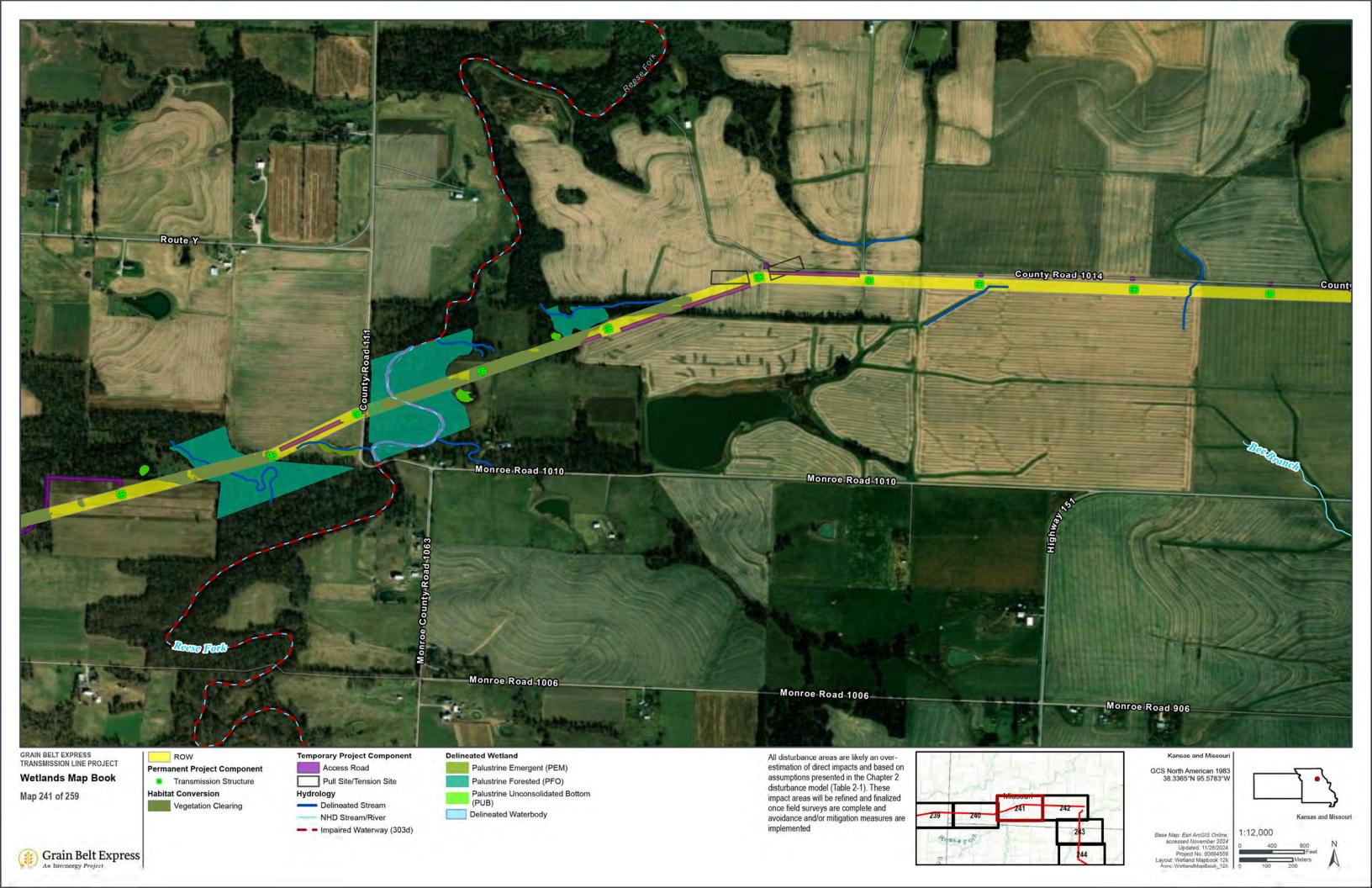


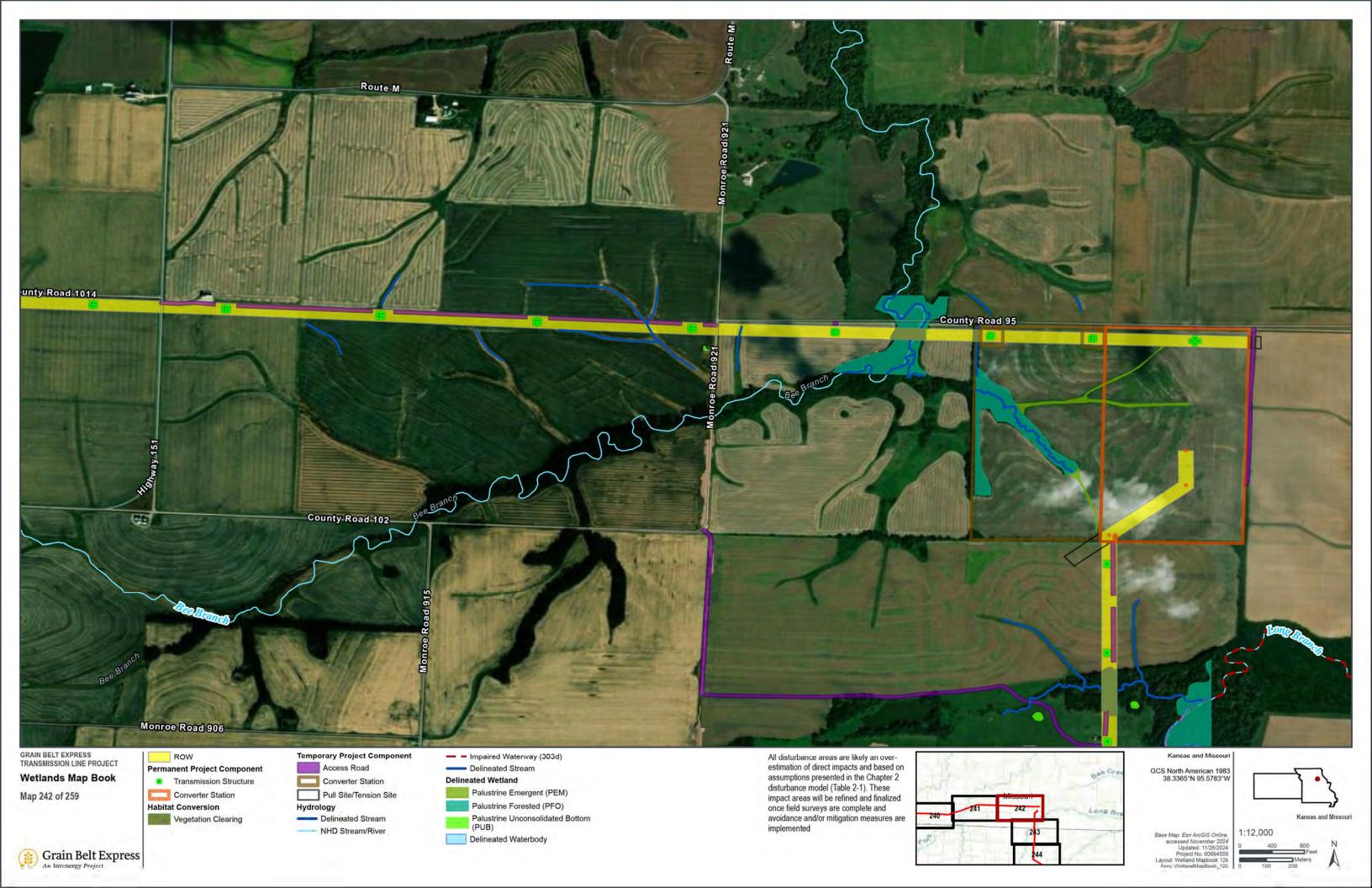


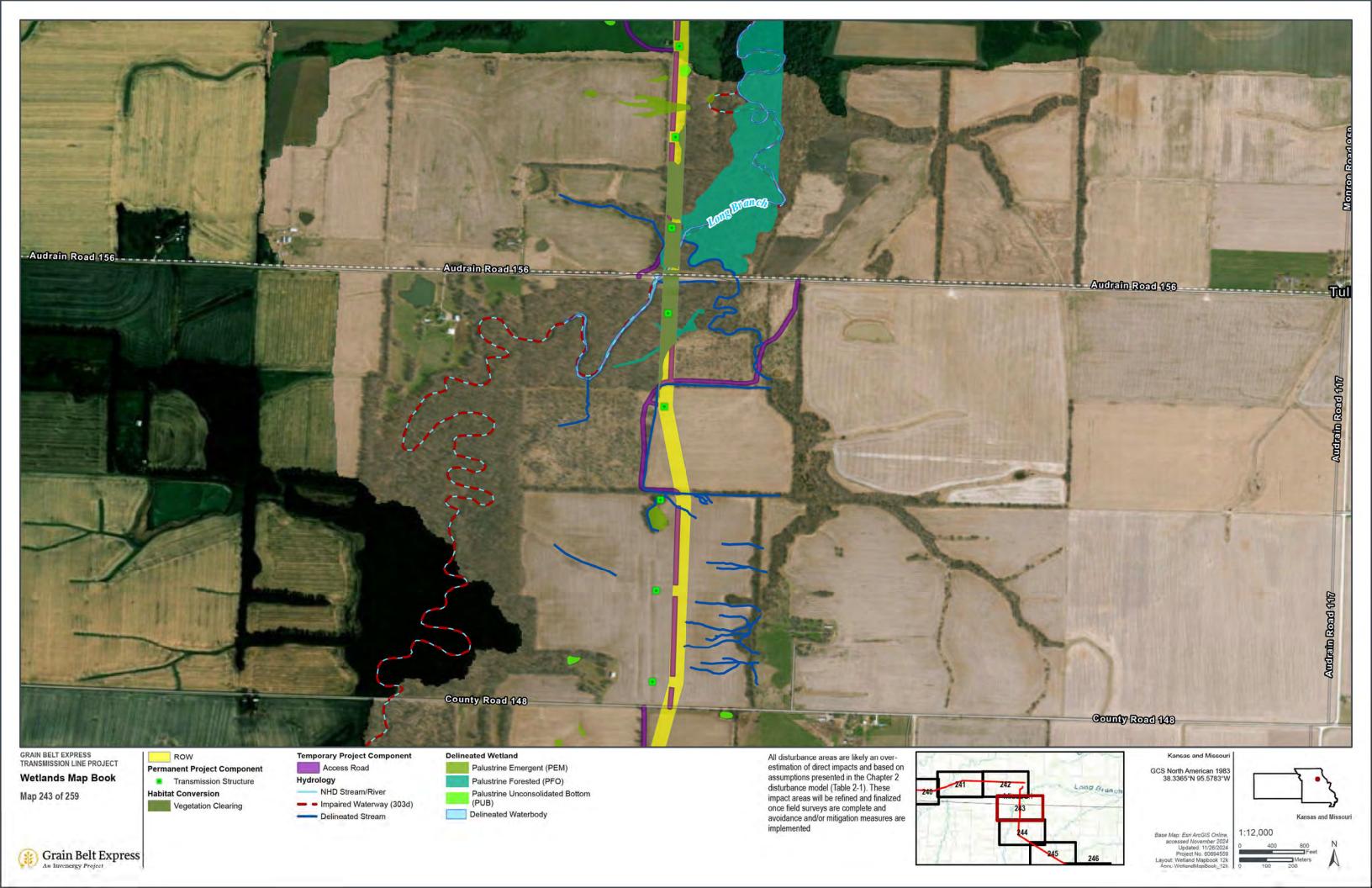


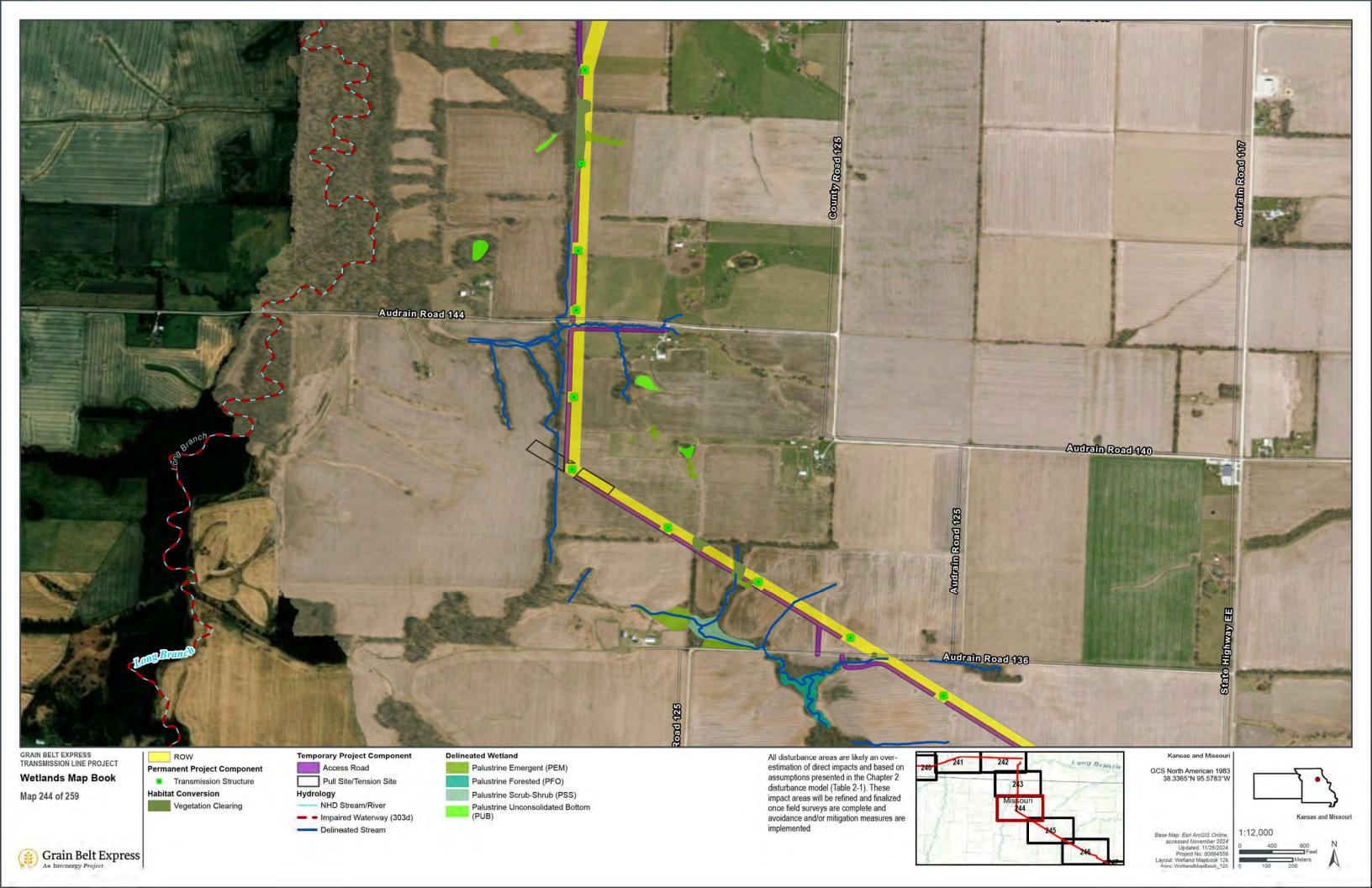


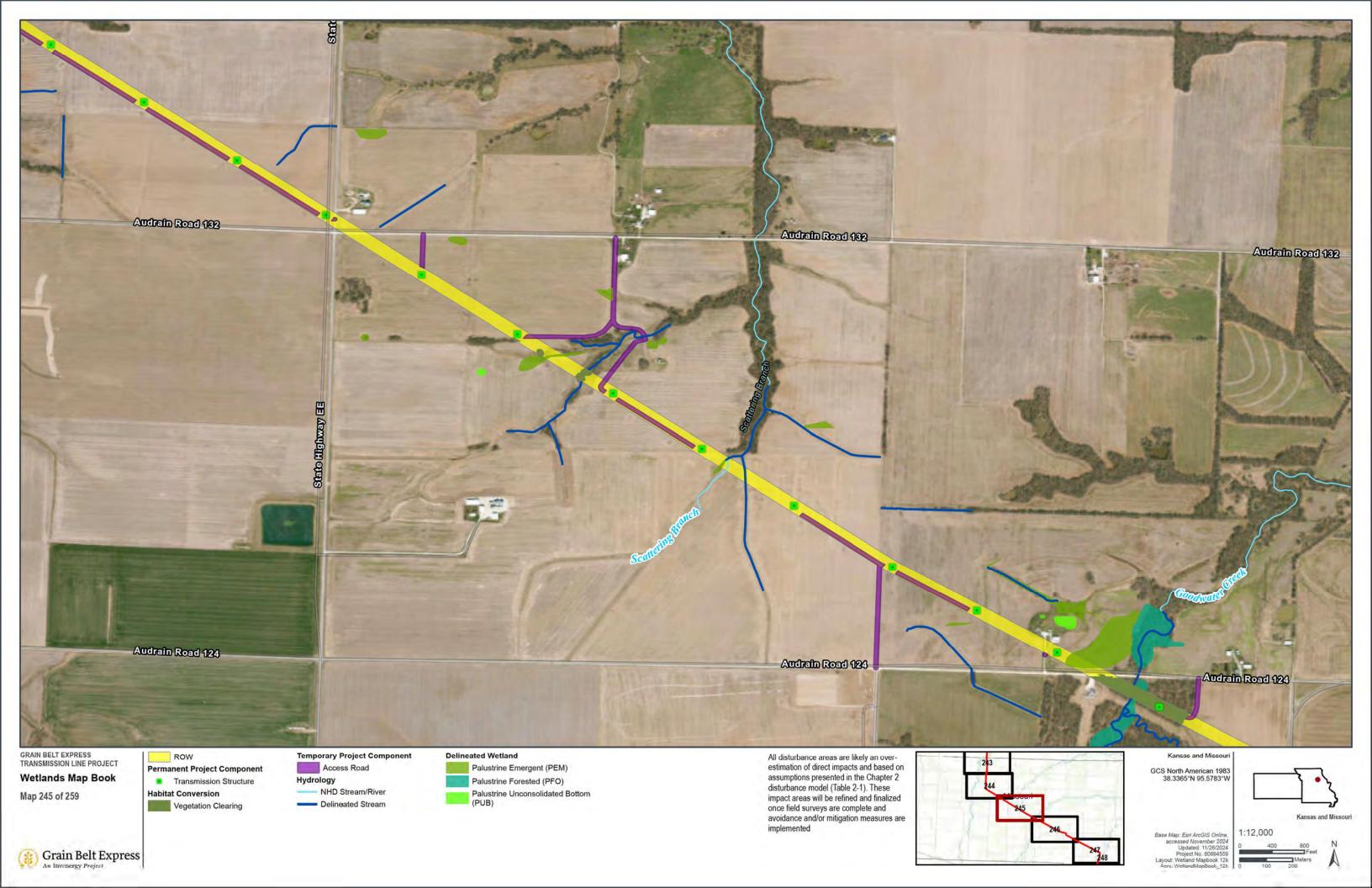


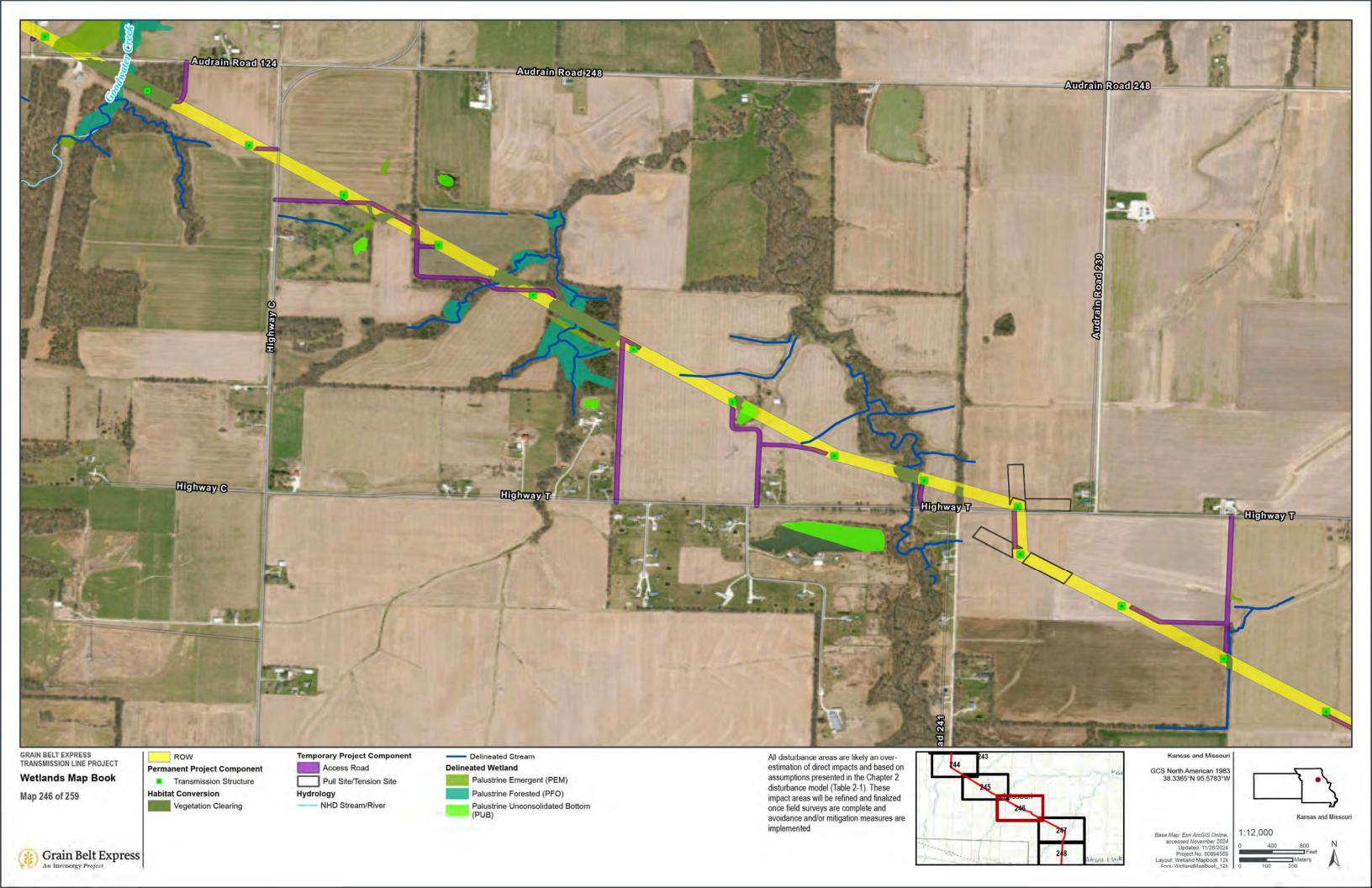


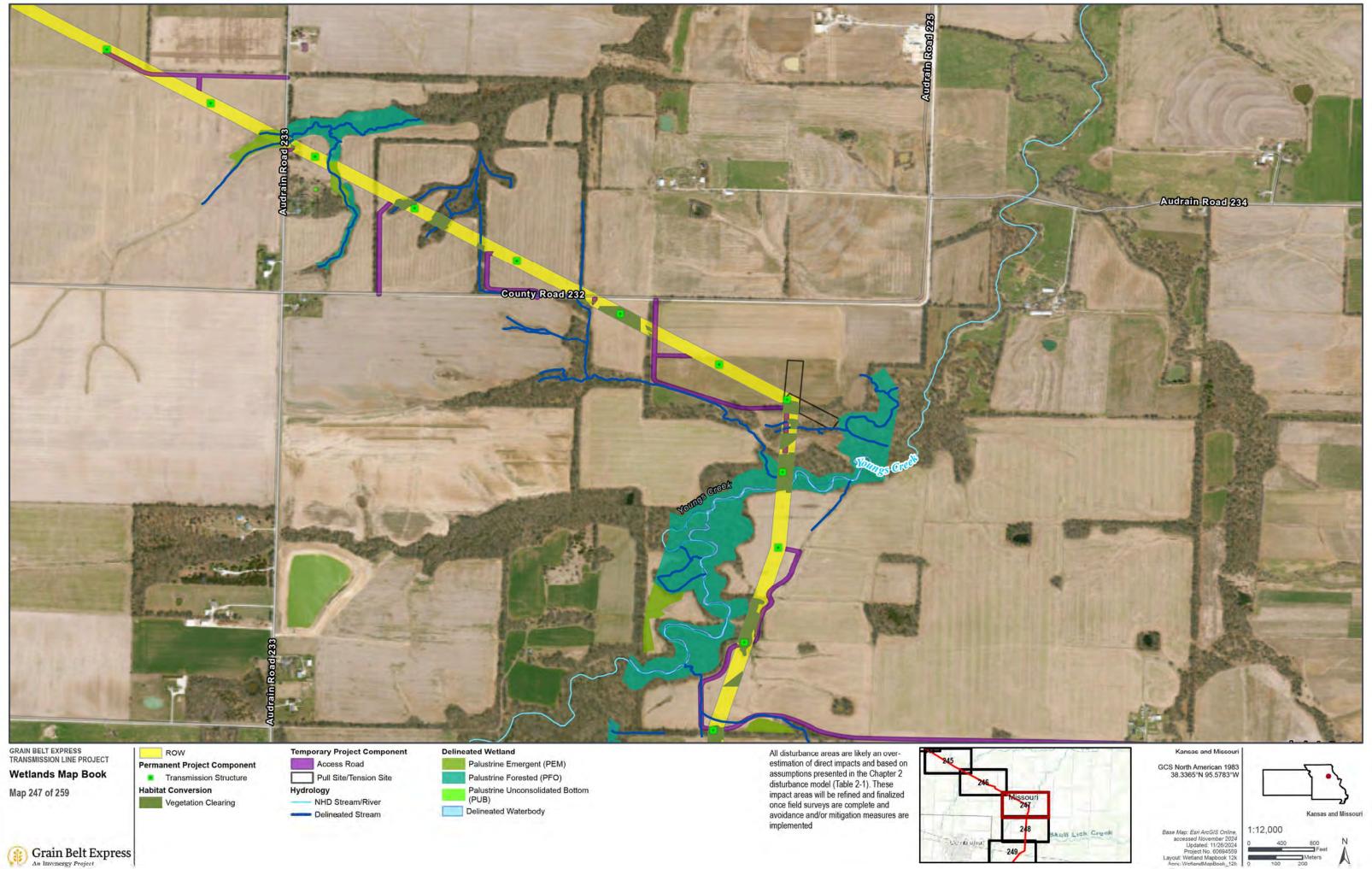




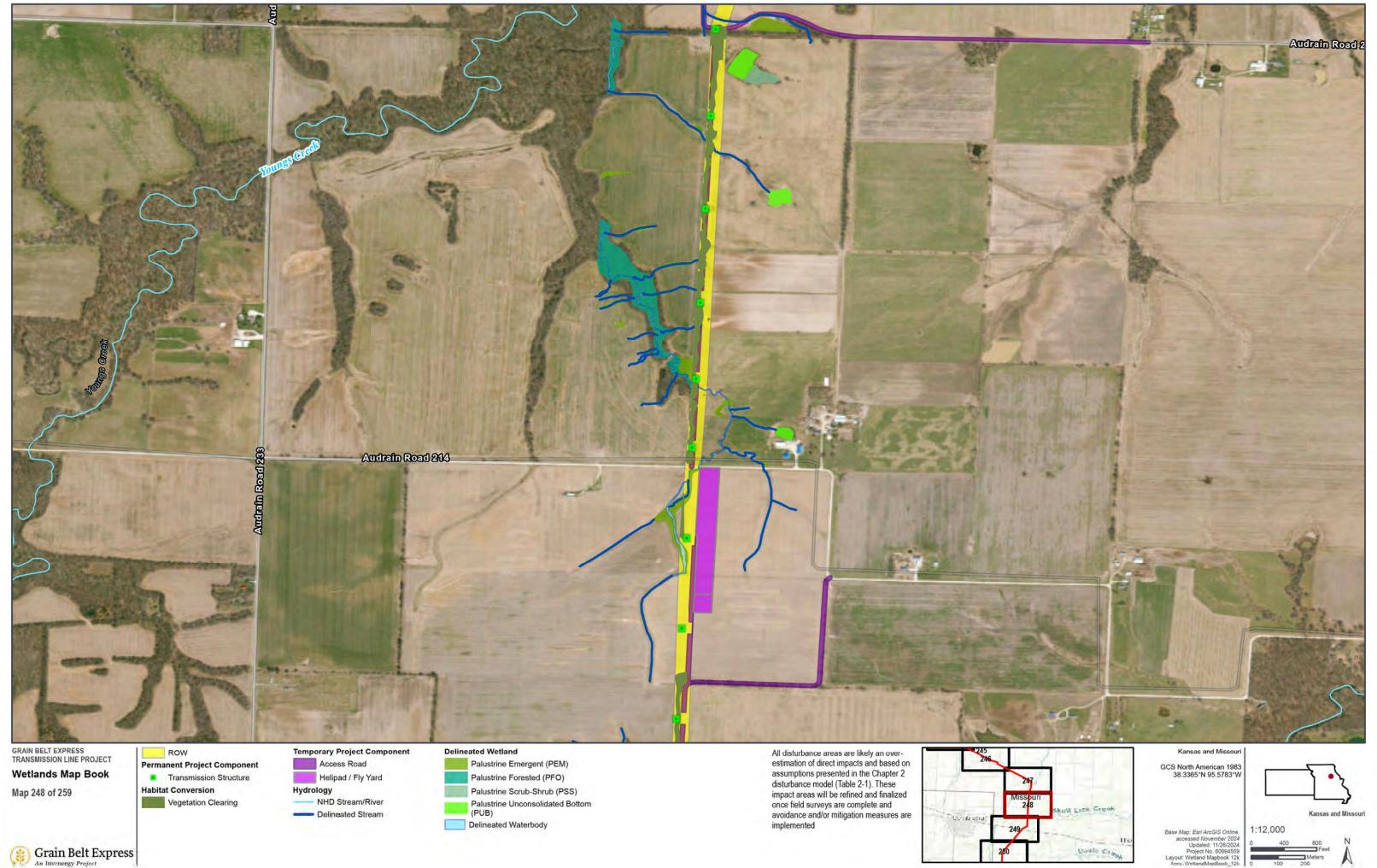


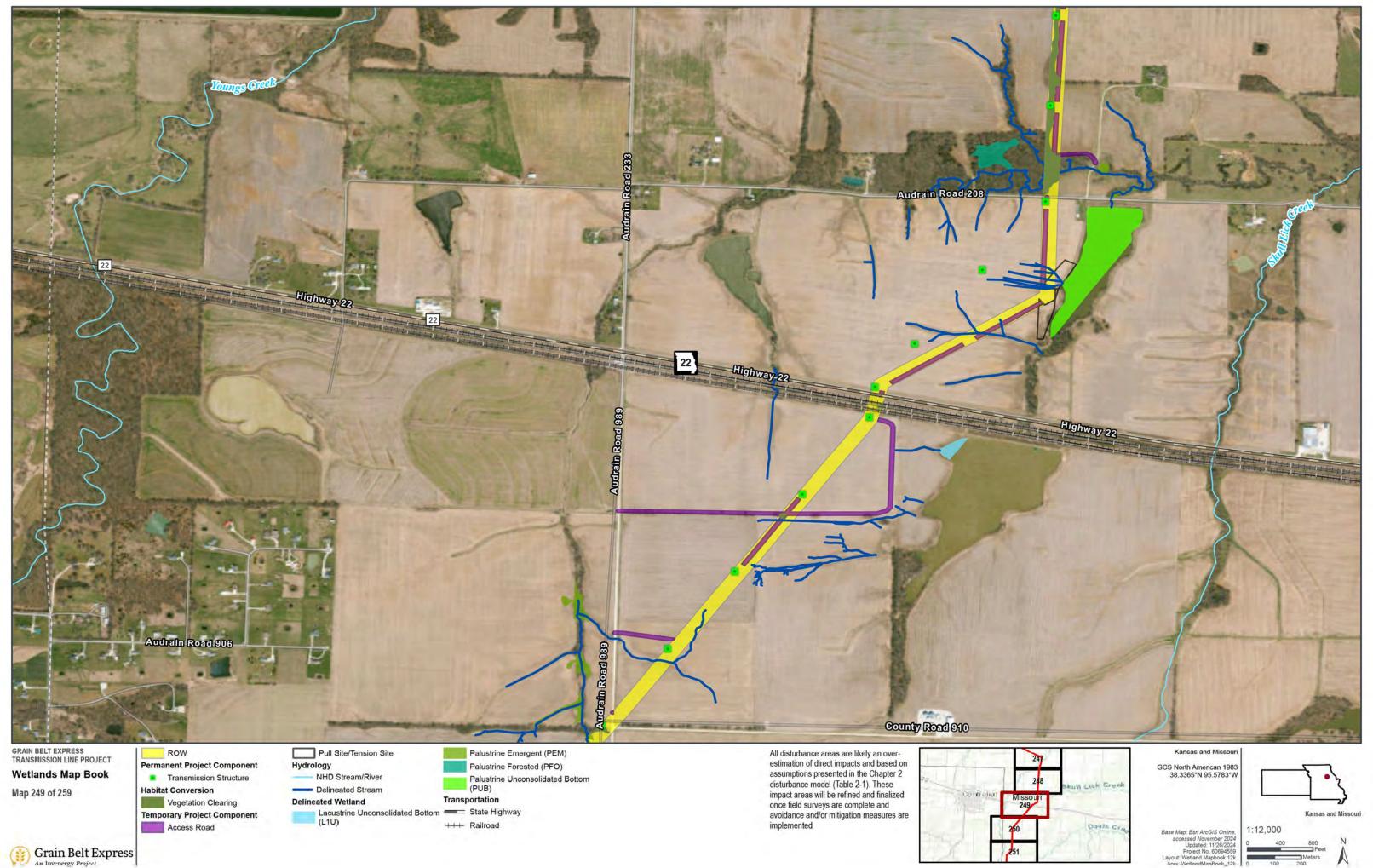


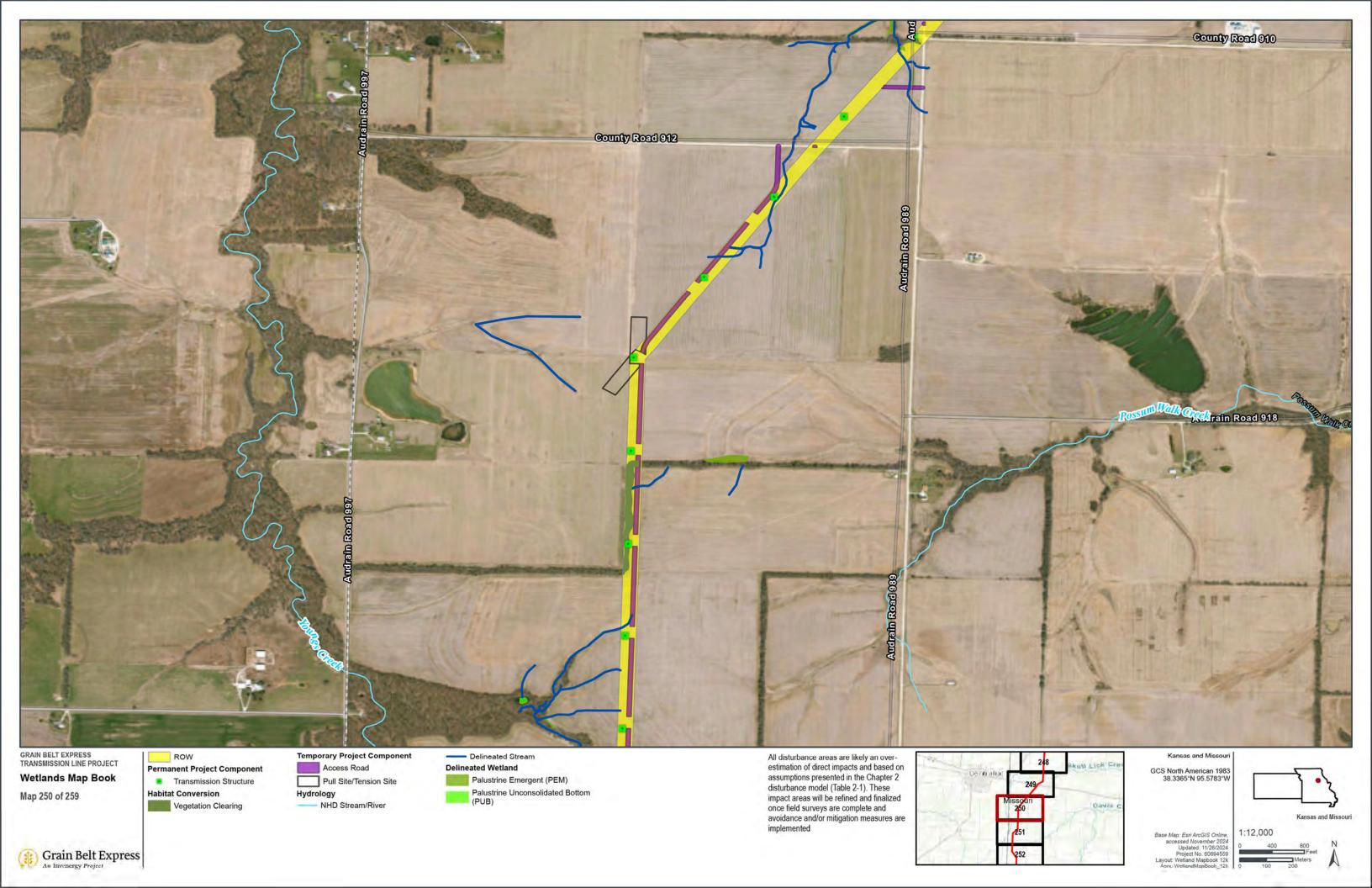


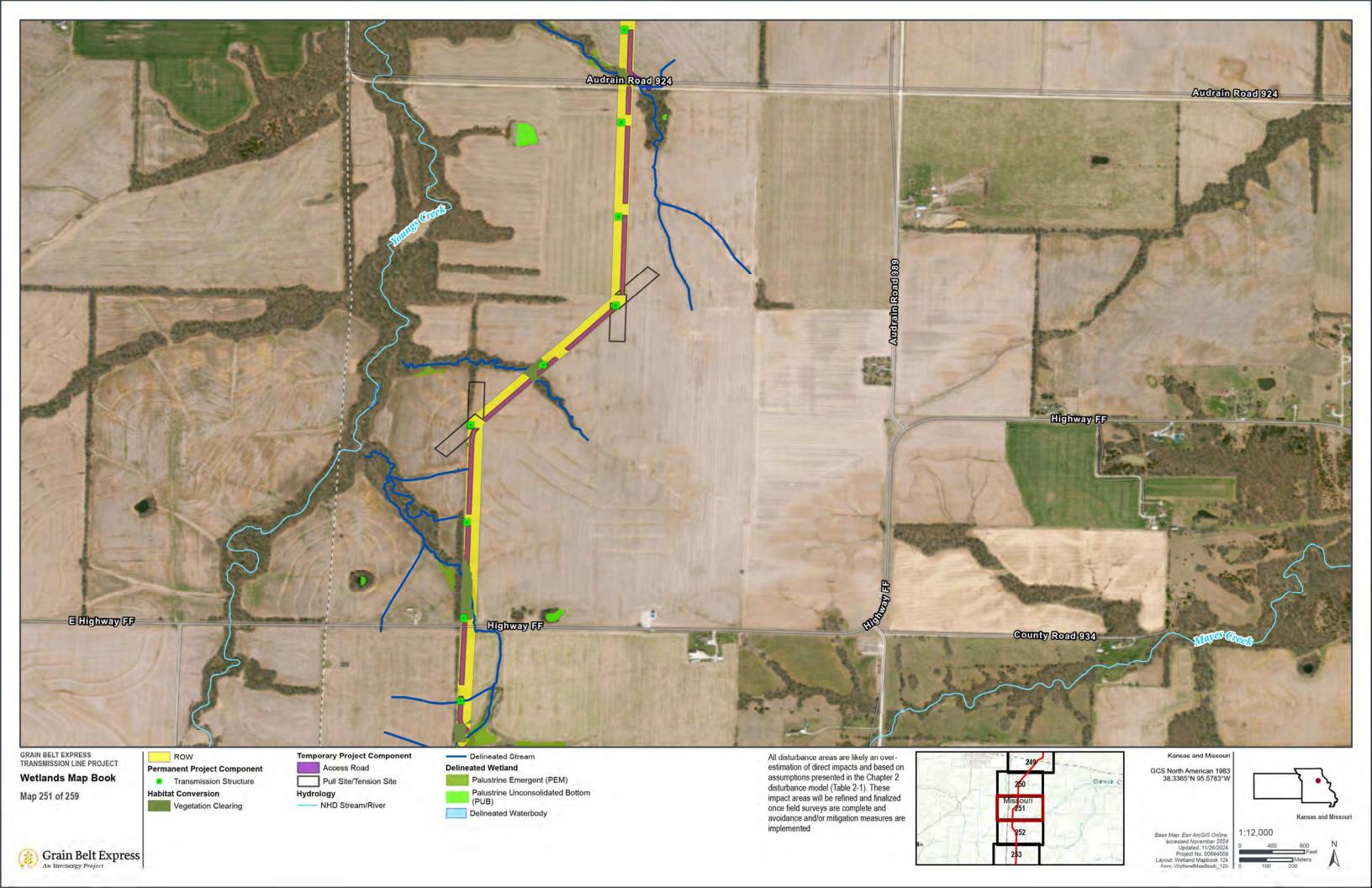


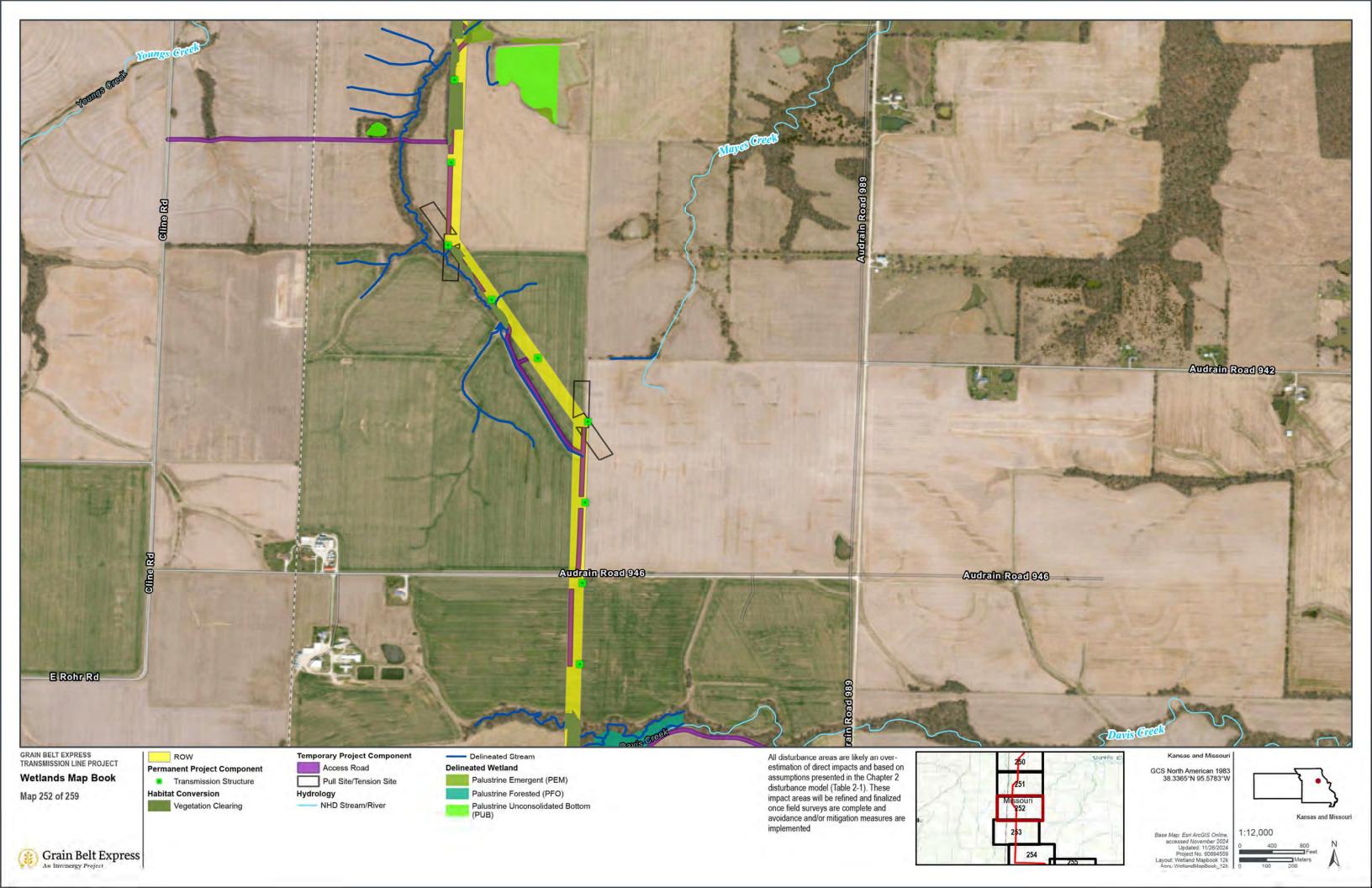
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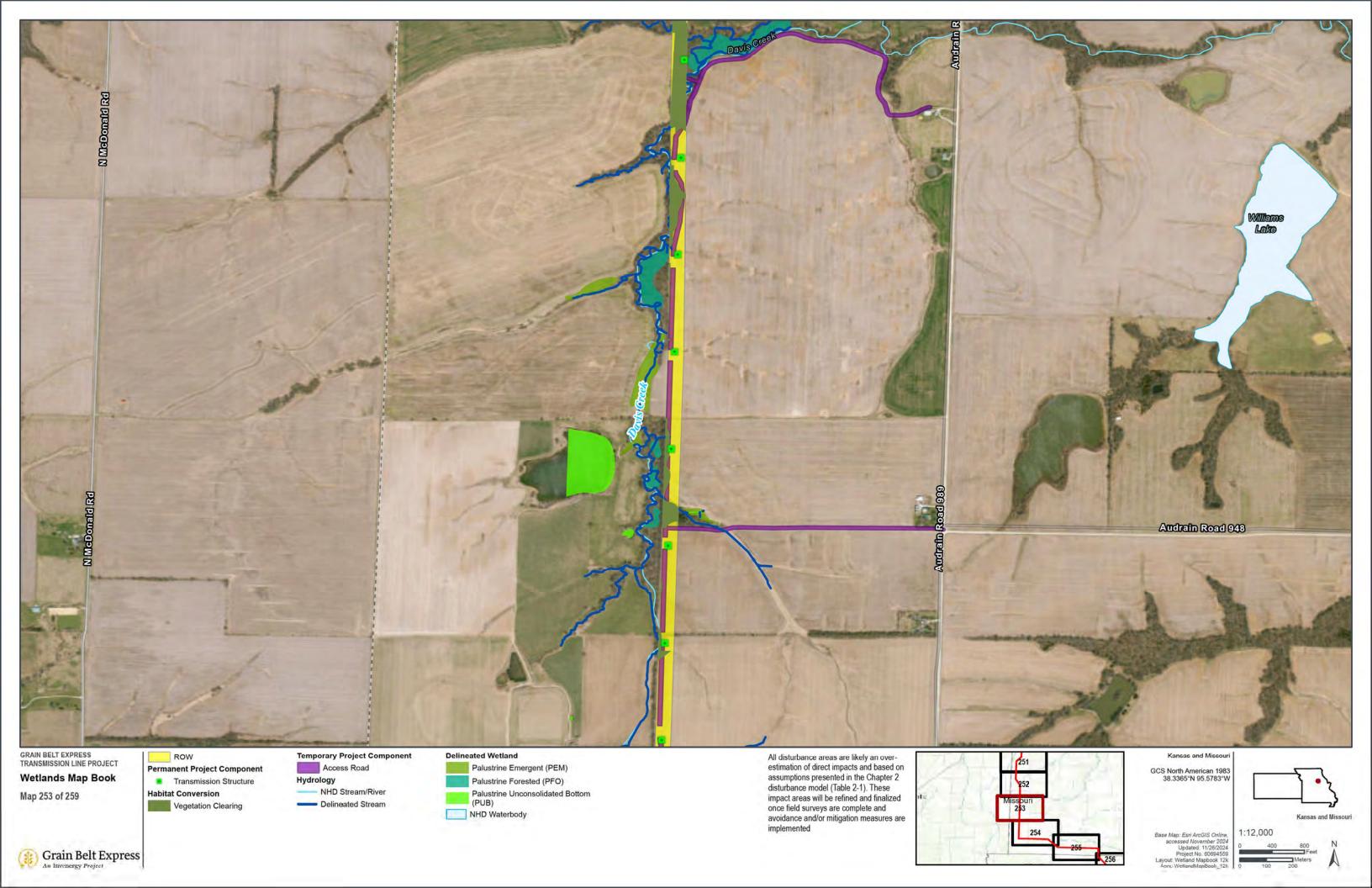


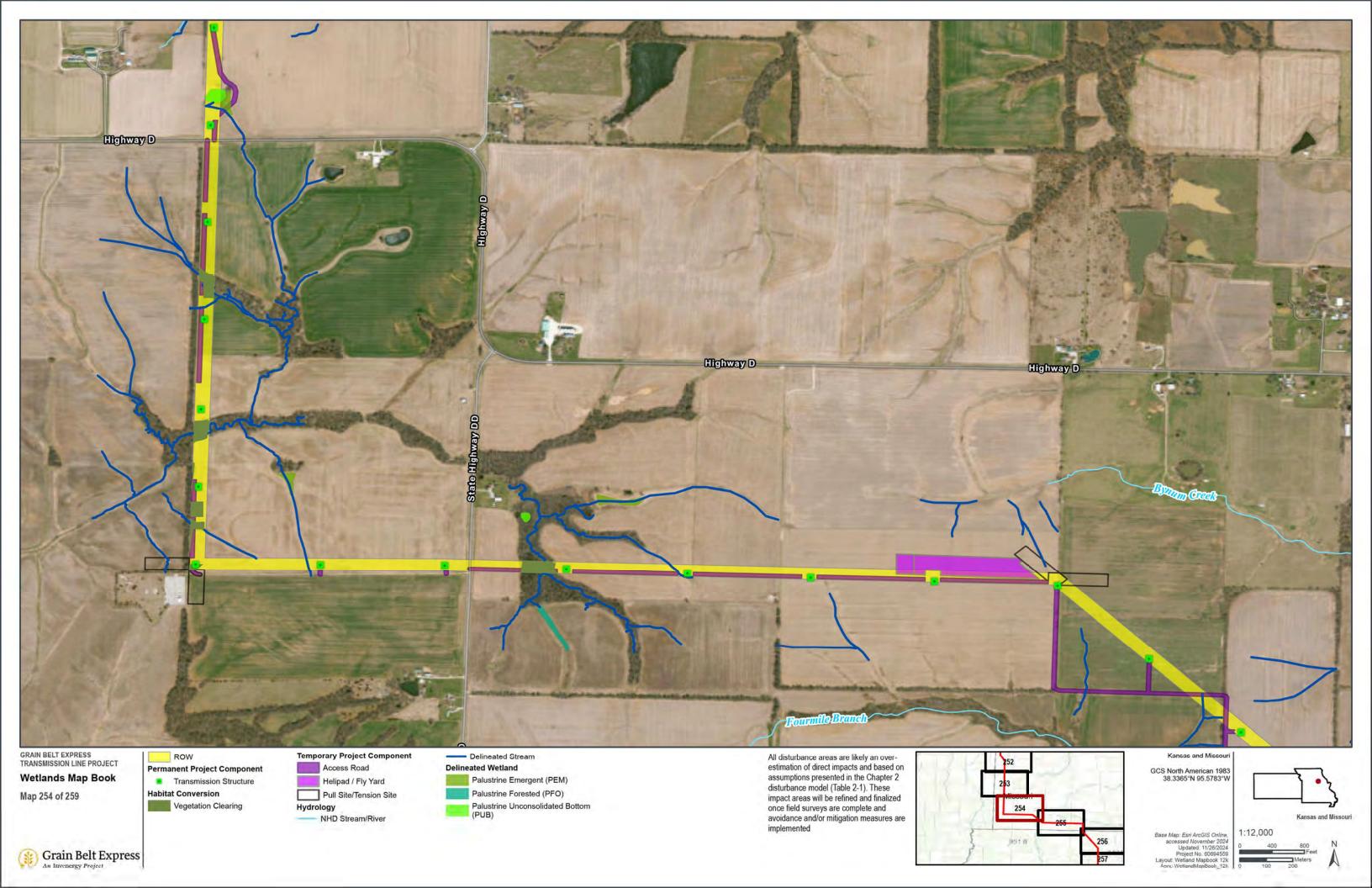


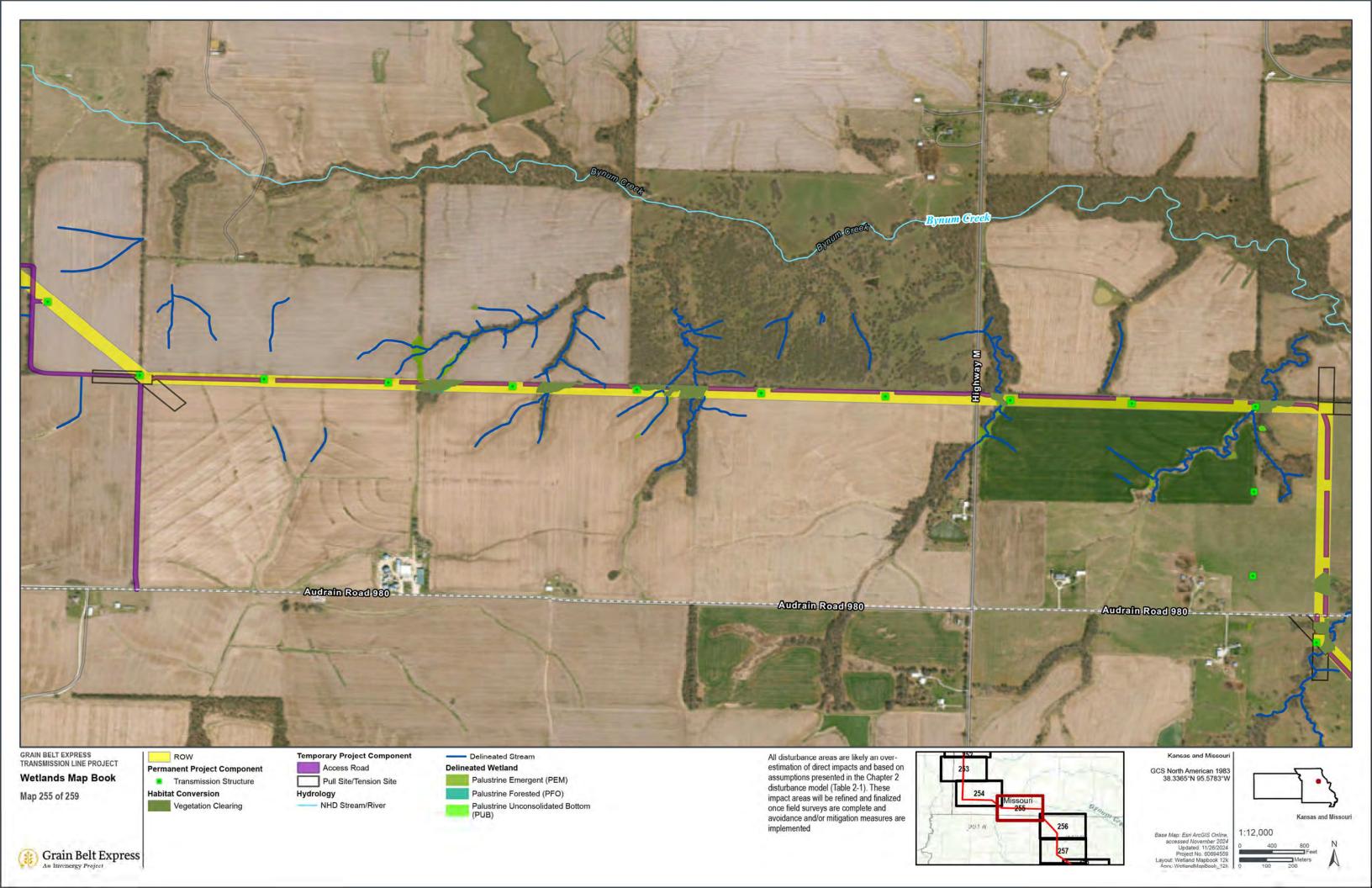


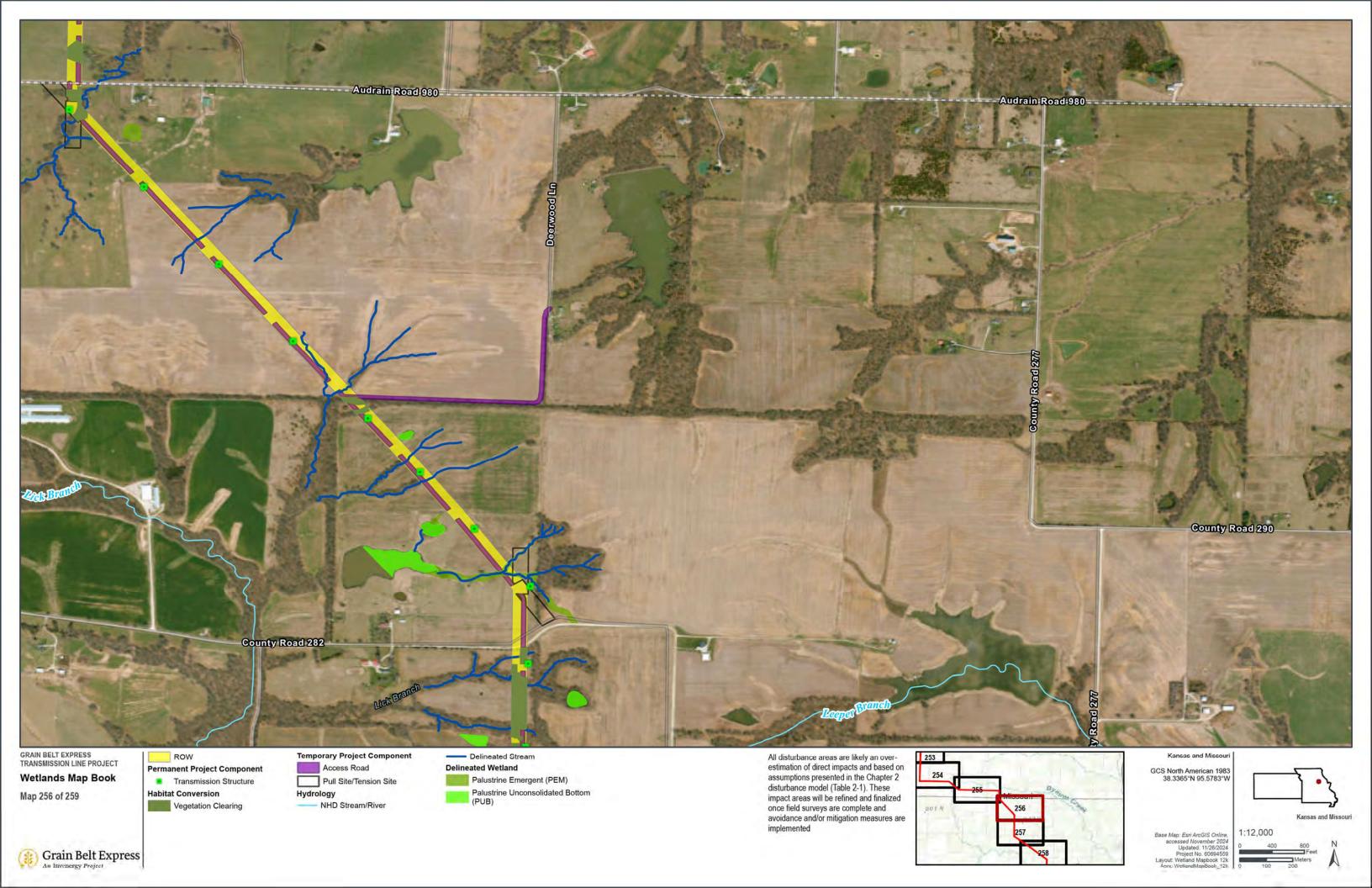


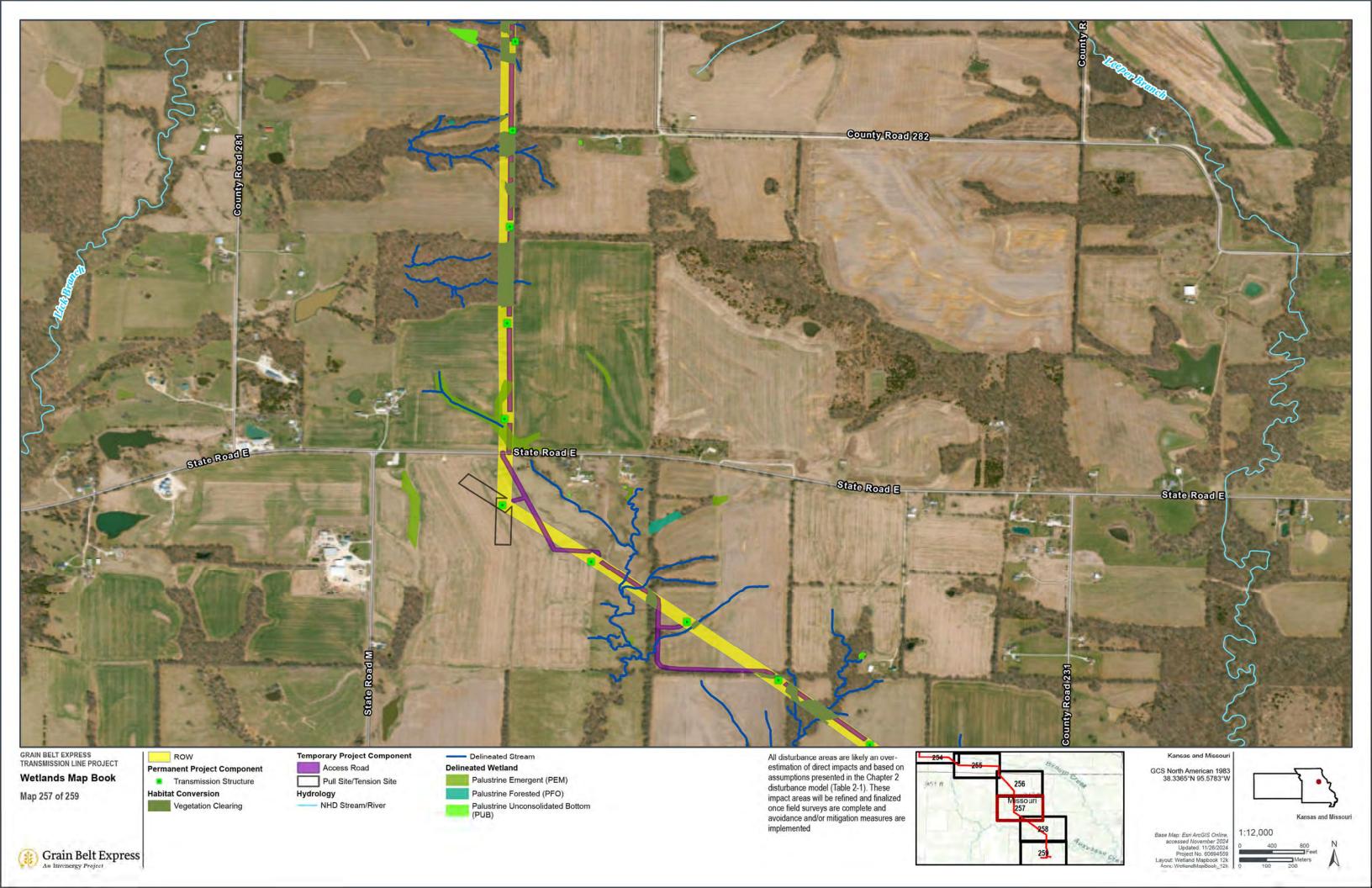


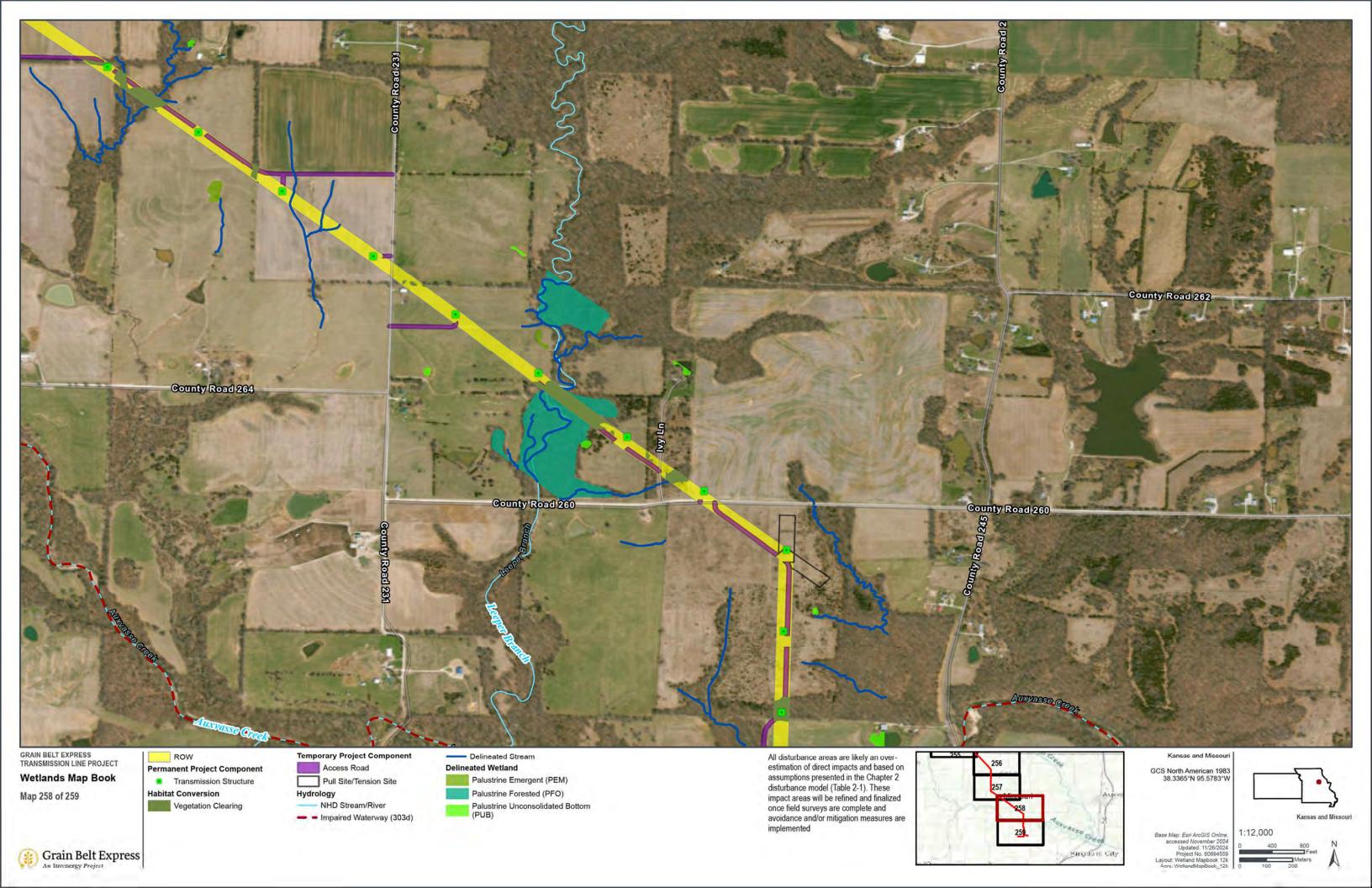


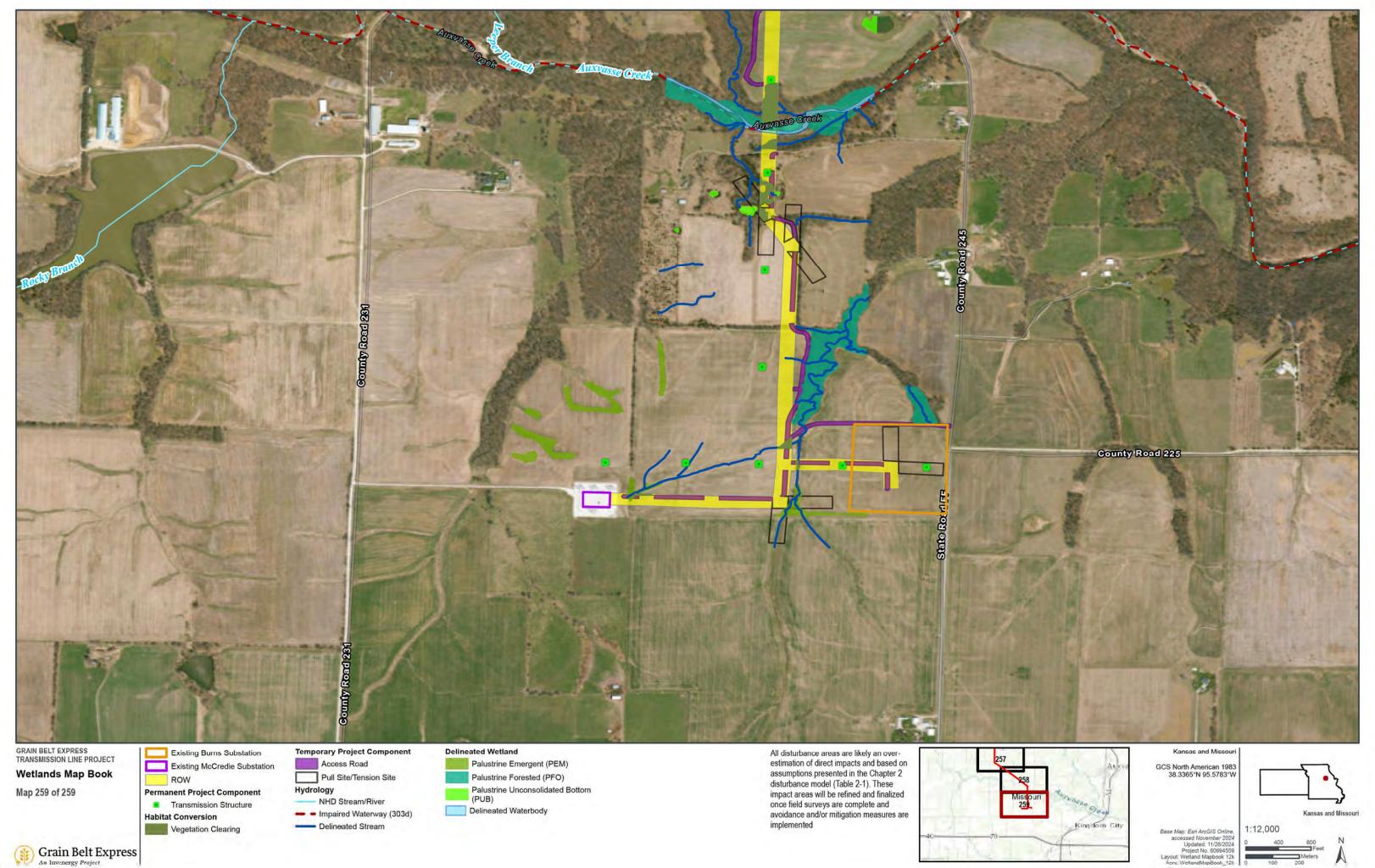












Grain Belt Express Transmission Line Environmental Impact Statement Appendix 3.6-1: Cultural Resources Present in the Analysis Areas

Table 1. State-Inventoried Archaeological Sites in the Archaeological Analysis Area

Site ID	Location	Site Type/Function/Cultural Affiliation	National Register of Historic Places Status	
14DP0118	Doniphan County, Kansas	Precontact - Isolated Findspot; Historic - Agrarian	Unknown	
14RU0004	Russell County, Kansas	Precontact - Village Site	Unknown	
14WH0340	Washington County, Kansas	Precontact - Unknown Function	Unknown	
23CY0127	Callaway County, Missouri	Precontact - Habitation Site	Unknown	
23CW1041	Caldwell County, Missouri	Historic - 19th/20th Century Dump Site	Unknown	
23CW0060	Caldwell County, Missouri	Historic - Late 19th Century Farmstead	Not Evaluated	
23CW0058	Caldwell County, Missouri	Historic - 20th Century Farmstead	Not Evaluated	
23CW0061	Caldwell County, Missouri	Historic - Indeterminate Scatter	Not Evaluated	
23CA1171	Carroll County, Missouri	Precontact - Unknown Function	Not Eligible	
23CA1172	Carroll County, Missouri	Precontact - Unknown Function	Unknown	
23CA0104	Carroll County, Missouri	Precontact - Unknown Function	Unknown	
23CH0073	Chariton County, Missouri	Precontact - Habitation; Historic- Artifact Scatter	Unknown	
23CH1349	Chariton County, Missouri	Precontact - Lithic Scatter; Historic - 19th-20th Century Habitation	Unknown	
23MN1182	Monroe County, Missouri	Precontact - Habitation	Not Evaluated	
23MN1183	Monroe County, Missouri	Precontact - Habitation	Not Evaluated	
23CY0127	Callaway County, Missouri	Precontact - Habitation Site	Unknown	

Source: Kansas Historical Society 2023a; Missouri State Historic Preservation Office 2023

Table 2. Archaeological Resources Identified Within the Archaeological Analysis Area of the HVDC Converter Station Sites

Resource ID	County	Resource Type	Resource Address/ Description	National Register of Historic Places Status
Field ID MO-024-001	Monroe	Archaeological	Historic-era Artifact	Recommended Not
	County, MO	Site	Scatter	Eligible
Field ID MO-024-002	Monroe	Archaeological	Historic-era Artifact	Recommended Not
	County, MO	Site	Scatter	Eligible
Field ID MO-024-003	Monroe	Archaeological	Precontact Isolated	Recommended Not
	County, MO	Site	Findspot	Eligible
Field ID FO-001-001	Ford County,	Archaeological	Precontact Isolated	Recommended Not
	KS	Site	Findspot	Eligible
Field ID FO-001-002	Ford County, KS	Archaeological Site	Historic Surface and Plowzone Artifact Scatter, Late Nineteenth- Twentieth Century Occupation	Recommended Not Eligible
Field ID FO-001-003	Ford County,	Archaeological	Precontact Isolated	Recommended Not
	KS	Site	Findspot	Eligible
Field ID FO-001-004	Ford County,	Archaeological	Precontact Isolated	Recommended Not
	KS	Site	Findspot	Eligible
Field ID FO-001-005	Ford County,	Archaeological	Precontact Isolated	Recommended Not
	KS	Site	Findspot	Eligible
Field ID FO-001-006	Ford County,	Archaeological	Precontact Isolated	Recommended Not
	KS	Site	Findspot	Eligible

Source: AECOM 2023a, 2023b

Table 3. State-Inventoried Historic Aboveground Resources in the Historic Built Environment Analysis Area

Pagauras ID	Resource Name	Address	Resource Type/	National Register of Historic Places Status
Resource ID 057-1370	Israel Farm	Address Garrett Road, Bellefont, Ford County, Kansas	Farmstead, circa 1920	Not Assessed
047-0000-0008	Little Coon Creek Masonry Arch Bridge	00 40th Avenue, Offerle, Edwards County, Kansas	Stone Arch Bridge, circa 1935, possible CCC construction	Potentially Eligible
047-0000-00003	St. Peter and St. Paul Church	00 70th Road, Kinsley, Edwards County, Kansas	Church, circa 1892	Not Assessed
047-0000-00004	St. Peter and St. Paul School	00 G Road, Kinsley, Edwards County, Kansas	Religious School, Construction Date Unknown	Not Assessed
091-1774	Farmstead	18385 US 169, Olathe, Russell County, Kansas	Farmstead, circa 1920	Unknown
123-0000-00228	Brown's Creek Tributary Masonry Arch Bridge	00 Road B, Beloit, Mitchell County, Kansas	Stone Arch Bridge, circa 1936	Listed
123-0000-00217	Cather Farm	2312 K-14 Hwy, Beloit, Mitchell County, Kansas	Farmstead, circa 1900	Listed
123-253	Black Barn	2409 340 RD, Beloit, Mitchell County, Kansas	Farmstead, circa 1900	Not Assessed
029-107	Wolf Creek Bridge	00 K-28 Highway, Concordia, Cloud County, Kansas	Concrete Bridge, circa 1960	Not Assessed (Scheduled for Demolition)
029-109	POW Camp Concordia – Stone Guard Tower	1501 Union Road, Concordia, Cloud County, Kansas	WWII POW Camp Stone Tower, circa 1943	Not Assessed
029-1120-0017	POW Camp Concordia	1555 Union Road, Concordia, Cloud County, Kansas	WWII POW Camp	Not Eligible
029-45	POW Camp Concordia – Building T-9	1541 UTE Street, Concordia, Cloud County, Kansas	WWII POW Camp Warehouse, circa 1942	State Listed
201-86	Stone Culvert	Between 4th and 5th Roads, Sheridan Township, Washington County, Kansas	Stone Culvert, circa 1920	Not Assessed (Likely Demolished)
117-0000-00019	Life Schoolhouse	1299 19th Terrace Beattie, Marshall County, Kansas	One-Room Schoolhouse, circa 1860	Not Eligible
013-215	Tyler Bridge	00 Bobcat Road, Brown County, Kansas	Truss Bridge, circa 1905	Demolished
013-247	Coral Berry Road Concrete Bridge	00 Coral Berry Road Fairview, Brown County, Kansas	Concrete Bridge, circa 1930	Not Assessed

Resource ID	Resource Name	Address	Resource Type/ Date	National Register of Historic Places Status
013-252	Tributary to Wolf River Concrete Bridge	00 Kingfisher Road, Hiawatha, Brown County, Kansas	Concrete Bridge, circa 1900	Not Assessed
043-578	Denton RWD #3 Water Tower	00 Ashland Street, Denton, Doniphan County, Kansas	Water Tower, circa 1966	Not Assessed
043-0000-00199	St. Benedict's Church	684 St. Benedict's Road, Bendena, Doniphan County, Kansas	Church, circa 1903	Listed
043-0000-00200	St. Benedict's Rectory	684 St. Benedict's Road, Bendena, Doniphan County, Kansas	Church Rectory, circa 1903	Not Assessed

Source: Kansas Historical Society 2023b

CCC: Civilian Conservation Corps; POW: Prisoner of War; RWD: Rural Water District; WWII: World War II

Table 4. Historic Aboveground Resources Identified Within the Historic Built Environment Analysis Area of the HVDC Converter Station Sites

Resource ID	Resource Type	Resource Address/ Description	National Register of Historic Places Status
Field ID MN- AS-001-001	Agricultural Complex	Farmstead, circa 1900-1920, at 16019 State Highway M	Recommended Not Eligible
Field ID MN- AS-001-002	Agricultural Complex	Farmhouse and Garage, circa 1965, at County Road 921 S	Recommended Not Eligible
Field ID MN- AS-001-003	Agricultural Complex	Farmstead, circa 1900, at State Highway M, East of County Road 921	Recommended Not Eligible
Field ID MN- AS-001-004	Agricultural Complex	Farmstead, circa 1900-1950s, at 16667 State Highway M	Recommended Not Eligible
Field ID MN- AS-001-005	Agricultural Complex	Farmstead, circa 1900-1960s, at County Road 916 of State Highway M	Recommended Not Eligible
Field ID MN- AS-001-006	Agricultural Complex	Farmstead, circa 1900 and 1950s, at County Road 959 S of State Highway M	Recommended Not Eligible
Field ID MN- AS-001-007	Agricultural Complex	Farmstead, circa 1940s-1970s, at County Road 959 N of Audrain Road 156	Recommended Not Eligible
Field ID MN- AS-001-008	Agricultural Complex	Farmstead, circa 1945-1970s, at 16946 Audrain Road 156	Recommended Not Eligible
Field ID MN- AS-001-009	Agricultural Complex	Farmstead, circa 1949-1970s, North of Audrain Road 156	Recommended Not Eligible
Field ID 01	Agricultural Complex	Farmstead, circa 1900-1960s, at 11747 117 Road	Recommended Not Eligible
Field ID 02	Agricultural Complex	Farmstead, circa 1950-1978, at 11712 117 Road	Recommended Not Eligible
Field ID 03	Agricultural Complex	Auxiliary Farm Equipment, circa 1970s, on East Side of 117 Road	Recommended Not Eligible
Field ID 04	Agricultural Complex	Farmstead, circa 1910s-1920s and 1970s, at 119 Road and Saddle Road	Recommended Not Eligible
Field ID 05	Agricultural Complex	Farmstead, circa 1900-1940, South Side of Saddle Road	Recommended Not Eligible

Source: AECOM 2023c, 2023d

Table 5. National Historic Sites and National Historic Trail Properties within the Historic Built Environment and Native American Traditional Values Analysis Areas

Resource Name	Type	Location Relative to Project
Fort Larned NHS	Frontier Military Fort, circa 1859-1878	1.2 miles from the planned Project ROW and Pawnee County, Kansas
Santa Fe NHT	Historic Trail, circa 1821- 1880	Within the planned Project ROW in Ford County, Kansas; visible from the planned Project ROW in Pawnee County, Kansas
Oregon NHT	Historic Trail, circa 1810	Within the planned Project ROW in Marshall County, Kansas
California NHT	Historic Trail, circa 1841	Within the planned Project ROW in Marshall County, Kansas; visible from the planned Project ROW in Brown County, Kansas
Pony Express NHT	Historic Trail, circa 1860	Within the planned Project ROW in Nemaha County, Kansas; visible from the planned Project ROW in Doniphan County, Kansas
Lewis and Clark NHT	Historic Trail, circa 1803- 1806	Within the planned Project ROW at the Kansas/Missouri border

Source: National Park Service 2023

NHS: National Historic Site; NHT: National Historic Trail

REFERENCES

AECOM. 2023a. Grain Belt Express Transmission Line, Phase I Archaeological Survey, Proposed Converter Station, Ford County, Kansas.

AECOM. 2023b. Grain Belt Express Transmission Line, Phase I Archaeological Survey, Proposed Converter Station, Monroe County, Missouri.

AECOM. 2023c. Grain Belt Express Transmission Line, Architectural Reconnaissance Survey, Proposed Converter Station, Ford County, Kansas.

AECOM. 2023d. Grain Belt Express Transmission Line, Architectural Reconnaissance Survey. Proposed Converter Station, Monroe County, Missouri.

Kansas Historical Society. 2023a. Archaeological Inventory. Accessed March 13, 2023. Confidential.

Kansas Historical Society. 2023b. *Kansas Historic Resources Inventory*. Accessed March 13, 2023. https://khri.kansasgis.org/.

Missouri State Historic Preservation Office. 2023. *Archaeology Viewer*. Accessed March 16, 2023. Confidential.

National Park Service. 2023 *National Trails System*. Accessed March 15, 2023. https://www.nps.gov/subjects/nationaltrailssystem/national-historic-trails.htm.

Grain Belt Express Transmission Line Environmental Impact Statement Appendix 3.6-2: Tribal Consultation

1. TRIBAL CONSULTATION

Consideration of Native American tribal thoughts and concerns represents a critical component of the affected environment for cultural resources. Under Section 106 of the National Historic Preservation Act (NHPA), consultation with potential tribal nations is fundamental to identifying and, where necessary, minimizing the potential for impacts on tribal properties, including Traditional Cultural Properties. Preliminary outreach to tribal entities who have interest in the region crossed by Project activities was initiated by Department of Energy's (DOE) Loan Program Office (LPO) in late 2022, through invitation to participate on the Project with the 34 tribal entities. Those tribal entities include the following:

- Absentee-Shawnee Tribe of Indians of Oklahoma
- Apache Tribe of Oklahoma
- Caddo Nation of Oklahoma
- Cheyenne and Arapaho Tribes, Oklahoma
- Comanche Nation, Oklahoma
- Delaware Nation, Oklahoma
- Delaware Tribe of Indians
- Eastern Shawnee Tribe of Oklahoma
- Fort Sill Apache Tribe of Oklahoma
- Ho-Chunk Nation of Wisconsin
- Iowa Tribe of Kansas and Nebraska
- Iowa Tribe of Oklahoma
- Kaw Nation, Oklahoma
- Kickapoo Tribe of Indians of the Kickapoo Reservation in Kansas
- Kickapoo Tribe of Oklahoma
- Kiowa Indian Tribe of Oklahoma
- Miami Tribe of Oklahoma
- Northern Arapaho Tribe of the Wind River Reservation, Wyoming
- Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana
- Oglala Sioux Tribe
- Omaha Tribe of Nebraska
- Otoe-Missouria Tribe of Indians, Oklahoma
- Pawnee Nation of Oklahoma
- Ponca Tribe of Indians of Oklahoma
- Ponca Tribe of Nebraska
- Prairie Band Potawatomi Nation
- Sac & Fox Nation of Missouri in Kansas and Nebraska
- Sac & Fox Nation, Oklahoma
- Sac & Fox Tribe of the Mississippi in Iowa

- Seneca-Cayuga Nation
- Shawnee Tribe
- The Osage Nation
- Wichita and Affiliated Tribes (Wichita, Keechi, Waco & Tawakonie), Oklahoma
- Wyandotte Nation

2. STATUS OF TRIBAL CONSULTATION

To date, DOE LPO has received response from eight tribes, requesting participation in the Project.

- Delaware Nation, Oklahoma
- Iowa Tribe of Kansas and Nebraska
- Northern Arapaho Tribe of the Wind River Reservation, Wyoming
- Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana
- Pawnee Nation of Oklahoma
- Ponca Tribe of Indians of Oklahoma
- Osage Nation
- Wichita and Affiliated Tribes (Wichita, Keechi, Waco, & Tawakonie), Oklahoma

Records of the Project prior to its acquisition by Invenergy Transmission LLC indicate that there was limited correspondence with Native American tribes during the Project's route selection process. The Applicant under Invenergy Transmission LLC ownership began engaging with tribes in June 2021. The Applicant conferred with U.S. Amy Corps of Engineers archaeological staff, the Kansas and Missouri State Historic Preservation Offices (SHPO), and National Parks Service (NPS) to identify tribes with potential interest in the Project area. The Applicant invited twenty-two tribes to engage on the Project and hosted an August 2021 introduction meeting that three tribes attended (Wichita and Affiliated Tribes, Iowa Tribe of Kansas and Nebraska, and The Osage Nation). Pawnee Nation could not attend the meeting but requested Project information. During this meeting, and in follow-up correspondence, the Applicant requested that the Tribes review project information and design and provide input regarding tribal interests, including Tribal Historic Preservation Office records and areas of interest in the vicinity of the Project corridor. In response to this request, the Osage Nation provided several Areas of Interest (AOIs) and Areas of Avoidance (AOAs), and Pawnee Nation provided AOIs. No specific AOIs or AOAs were received from other Tribes.

The Applicant invited all tribes to take part in cultural resources field surveys. Representatives from two tribes (Iowa Tribe of Kansas and Nebraska and the Kiowa Indian Tribe of Oklahoma) assisted in the 2021 archaeological field survey. The Applicant extended an invitation to tribes when re-initiating field survey in 2022; however, none of the tribes had availability and/or expressed interest.

On December 28, 2022, DOE LPO issued consultation letters to 34 federally recognized Tribes notifying them of the Project and providing the opportunity to participate in the NEPA process and NHPA Section 106 consultation process, as well as engage DOE LPO in formal government-to-government consultation. The following eight federally recognized Tribes accepted DOE LPO's invitation to consult: Delaware Nation, Oklahoma; Iowa Tribe of Kansas and Nebraska; Northern Arapaho Tribe of the Wind River Reservation, Wyoming; Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana; Pawnee Nation of Oklahoma; Ponca Tribe of Indians of Oklahoma; The Osage Nation; and Wichita and Affiliated Tribes (Wichita, Keechi, Waco & Tawakonie), Oklahoma.

In February 2024, the Applicant initiated outreach to the eight tribes that are consulting on the Project, for the purpose of seeking information about areas of interest (AOIs) and areas of avoidance (AOAs) within the proposed Tiger Connector corridor and associated property parcels. Four tribes responded to the request. The Iowa Tribe of Kansas and Nebraska noted that any known resources of interest to the tribe in that geography would be included in the Missouri SHPO records. The Northern Cheyenne Tribe and Pawnee Nation both indicated that the Tiger Connector is outside of their cultural landscape. The Osage Nation identified an AOI. No additional AOAs were identified for the Tiger Connector.

In March 2024, the Applicant initiated outreach to the eight tribes that are consulting on the Project, for the purpose of sharing locations of contemplated laydown and material yards in Kansas and Missouri and to identify if any of the contemplated yards intersect tribal AOIs and AOAs. Four tribes (Iowa Tribe of Kansas and Nebraska, Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Pawnee Nation, and The Osage Nation) responded to the request. The Pawnee Nation and The Osage Nation identified AOIs that intersect with contemplated yards and requested that the Applicant conduct archaeological surveys if continuing to consider those yards. None of the tribes identified AOAs that intersect the contemplated yards. The Applicant invited all tribes to take part in cultural resources field surveys.

In April 2024, the Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation expressed interest in taking part in the Project's archaeological field survey in Kansas and the Applicant continues to follow up with that tribe to coordinate logistics and schedule before the tribal members engage in survey. The Osage Nation is monitoring archaeological surveys within its identified AOI (approximately 45 percent of the Project). The Osage Nation monitoring activities have been ongoing since October 2023. At the request of The Osage Nation, the Applicant, together with DOE LPO, developed archaeological survey methods for areas outside of Osage Nation AOIs that are memorialized in a work plan that was reviewed and approved by The Osage Nation.

Grain Belt Express Transmission Line Environmental Impact Statement Appendix 3.10: National Land Cover Database Maps

