

Exhibit A

Project Mapping

Exhibit A5

USGS Landcover/Land Use Field Data Maps

North
Dakota

Campbell

MP 210.0

MP 210.5

MP 211.0

MP 211.5

MP 212.0

MP 212.5

MP 213.0

MP 213.5

MP 214.0

MP 214.5

MP 215.0

MP 215.5

MP 216.0



● Milepost

— Proposed Route

USGS NLCD Type

■ Open Water

■ Developed, Open Space

■ Developed, Low intensity

■ Developed, Medium Intensity

■ Developed, High Intensity

■ Barren Land

■ Deciduous Forest

■ Evergreen Forest

■ Mixed Forest

■ Shrub/Scrub

■ Grassland/Herbaceous

■ Pasture/Hay

■ Cultivated Crops

■ Woody Wetlands

■ Emergent Herbaceous Wetlands

Land Use Field Data Type

■ Haylands

■ Pasturelands and rangelands

■ Undisturbed native grassland

■ Irrigated lands

■ Land use primarily for row and no-row crops in rotation

■ Public, commercial, and institutional use

■ Residential

■ Rural residences and farmsteads, family farms, and ranches

USFWS Fee Owned Land

■ Waterfowl Protection Area

USFWS Easements

■ Grassland

■ Grassland/Wetland

■ Wetland

0 2,000 4,000 6,000 8,000 Feet



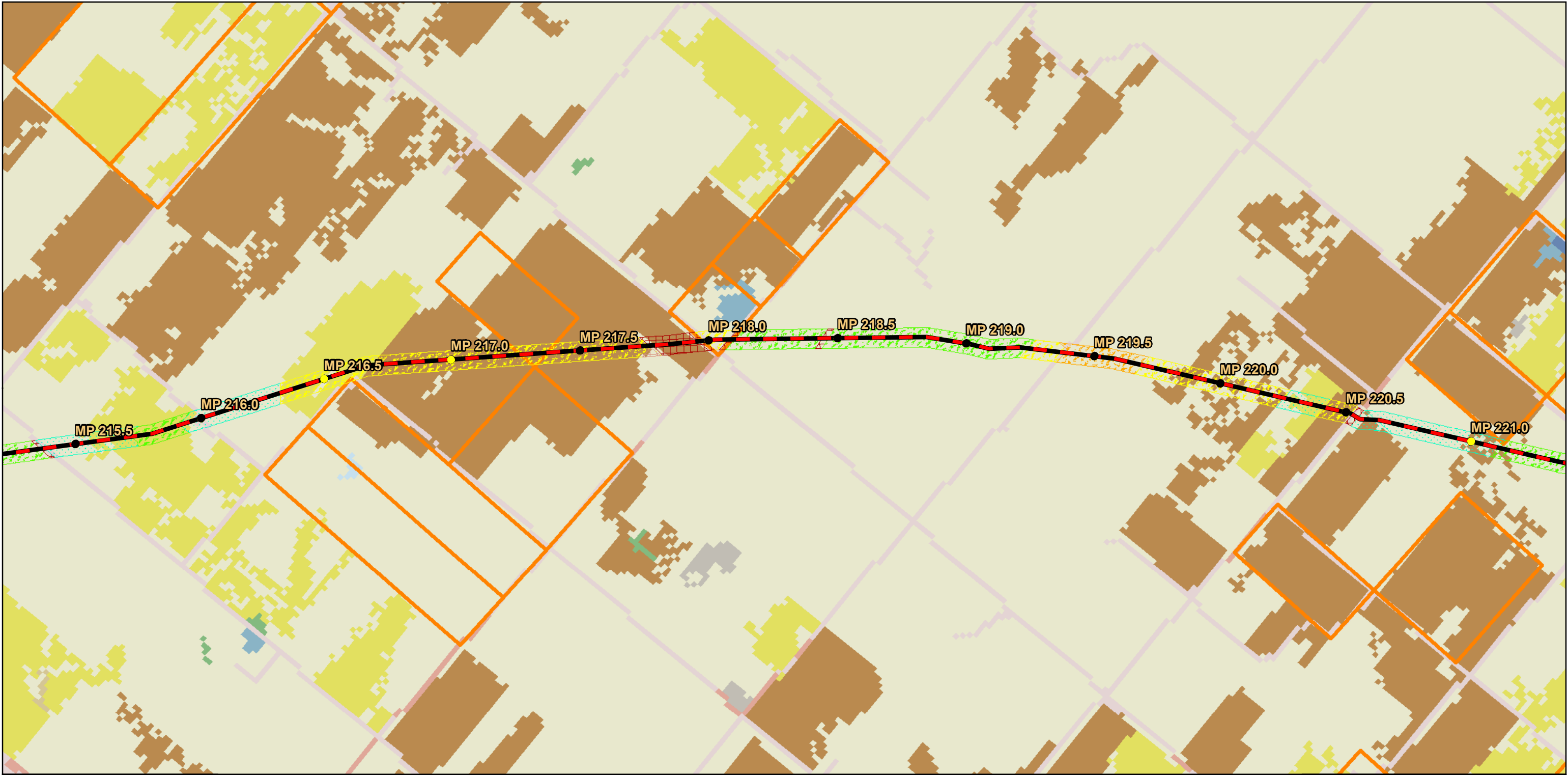
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USGS Landcover/Land Use Field Data
South Dakota

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Scale: 1:24,000

NAD 83 South Dakota South Ft

Date: Dec 15, 2014



● Milepost
— Proposed Route

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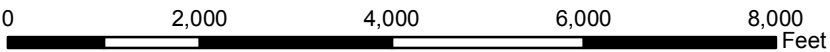
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South Dakota**



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USGS NLCD Type

- | | |
|-------------------------------|--------------------|
| ■ Open Water | ■ Deciduous Forest |
| ■ Developed, Open Space | ■ Evergreen Forest |
| ■ Developed, Low intensity | ■ Mixed Forest |
| ■ Developed, Medium Intensity | ■ Barren Land |
| ■ Developed, High Intensity | |

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|------------------------|--------------------------------|
| ■ Shrub/Scrub | ■ Cultivated Crops |
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| ■ Pasture/Hay | ■ Emergent Herbaceous Wetlands |

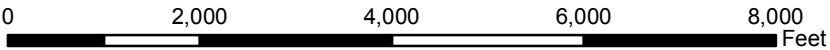
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USGS Landcover/Land Use Field Data
South Dakota**



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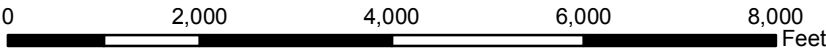
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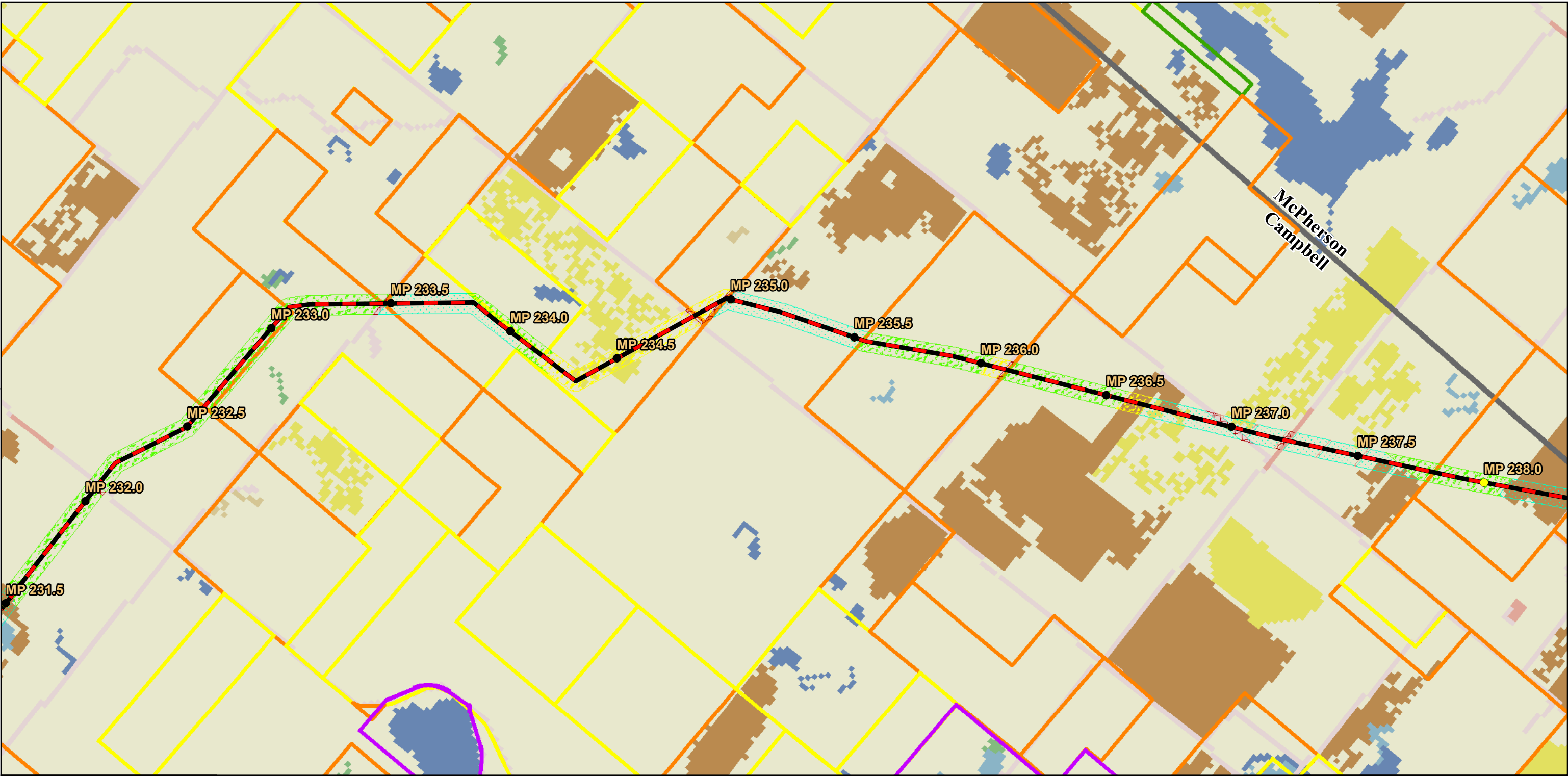
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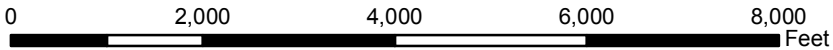
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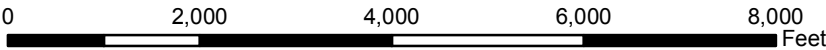
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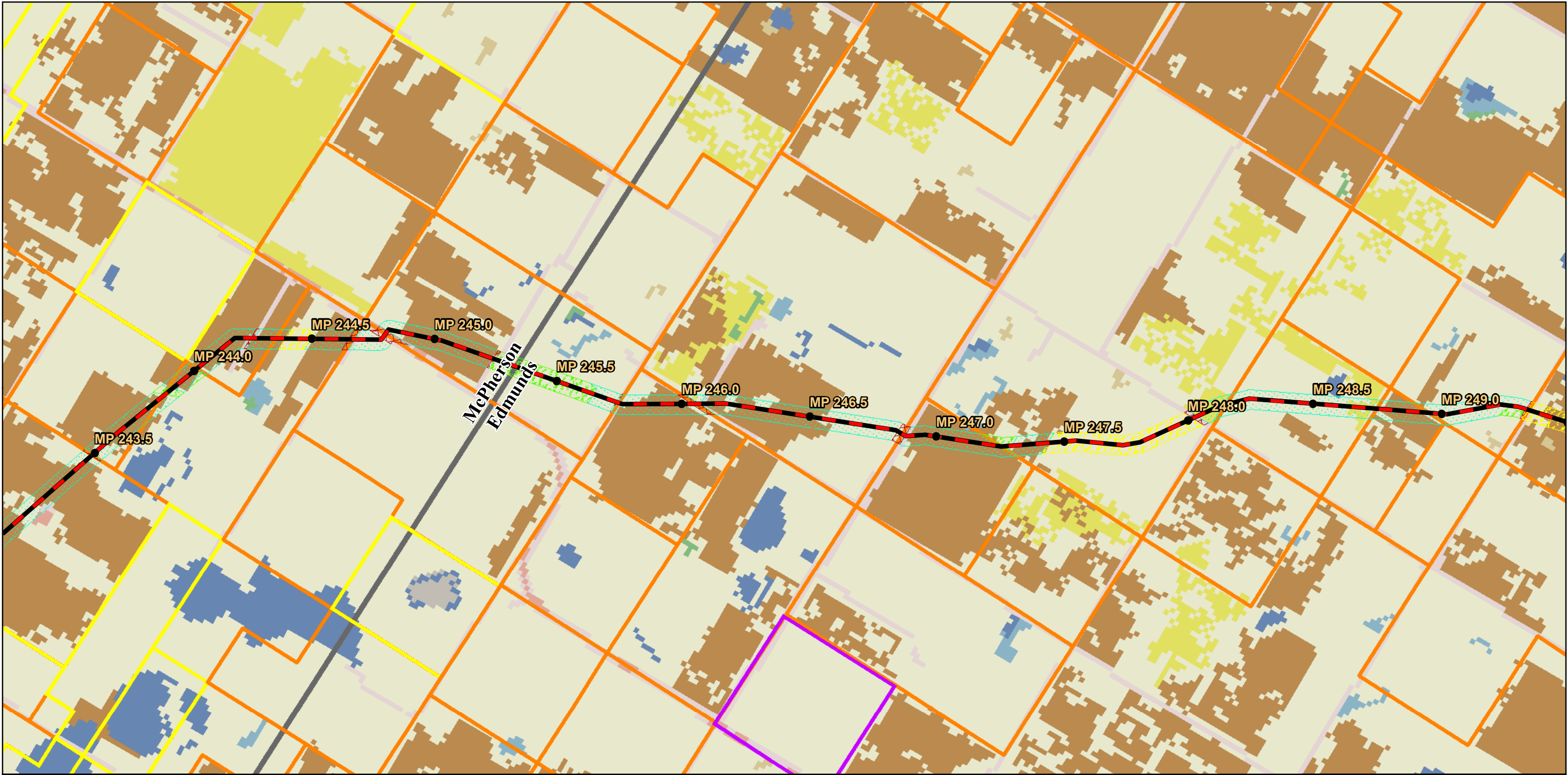
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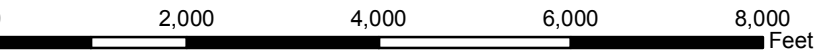
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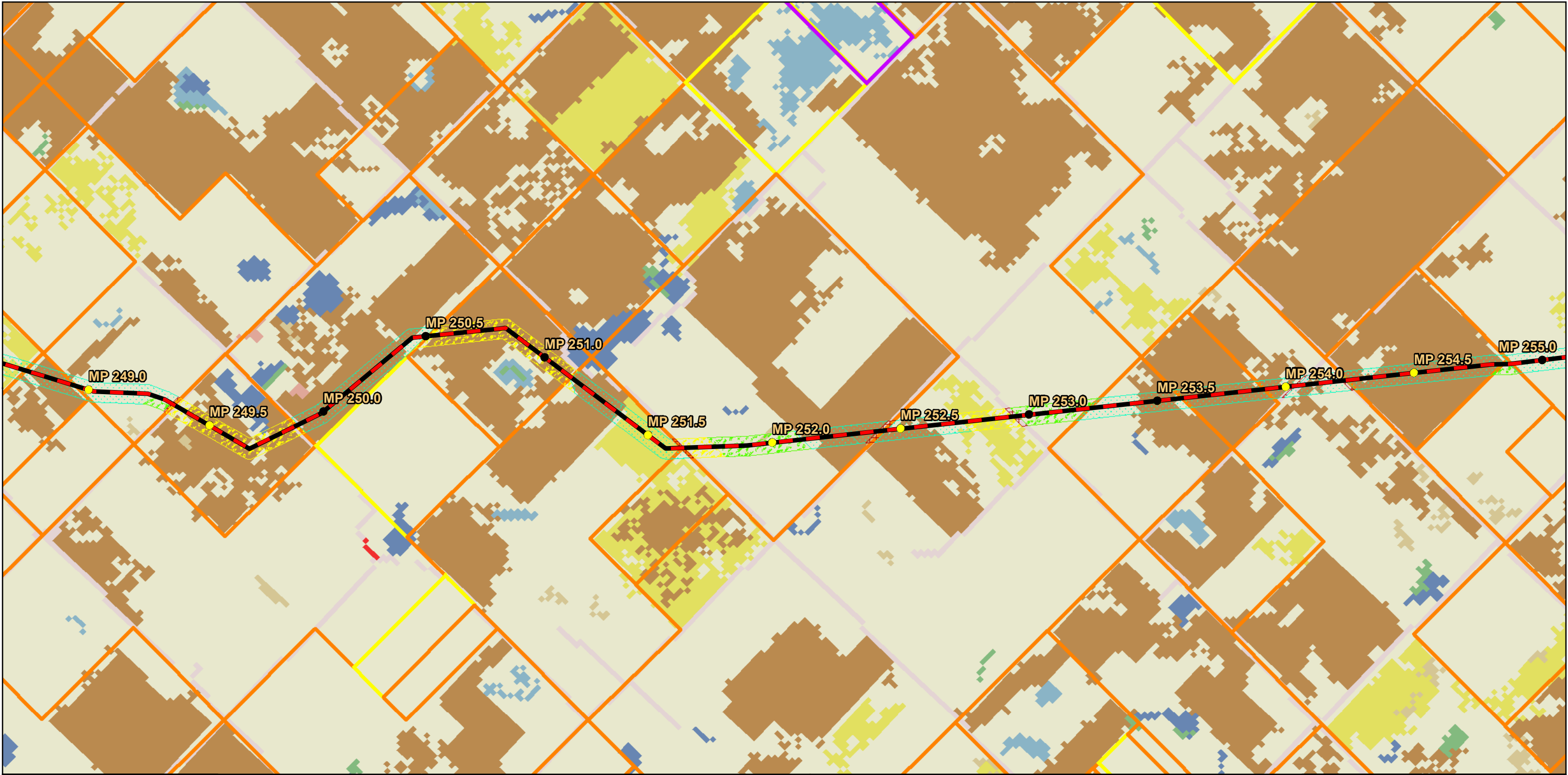
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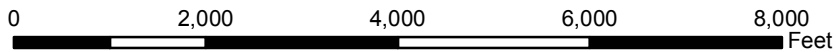
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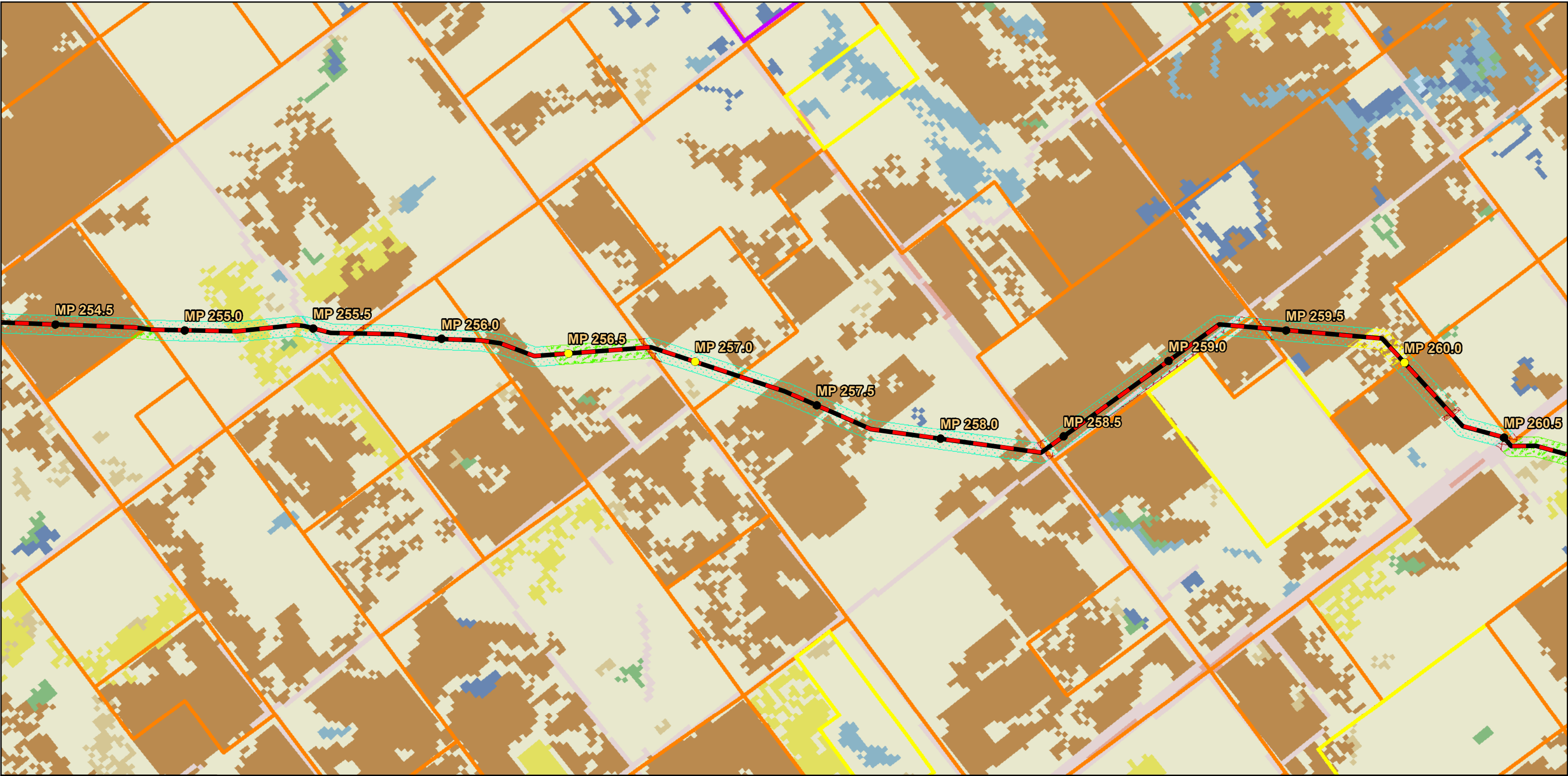
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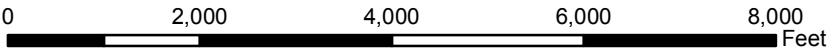
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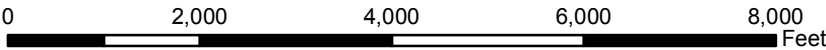
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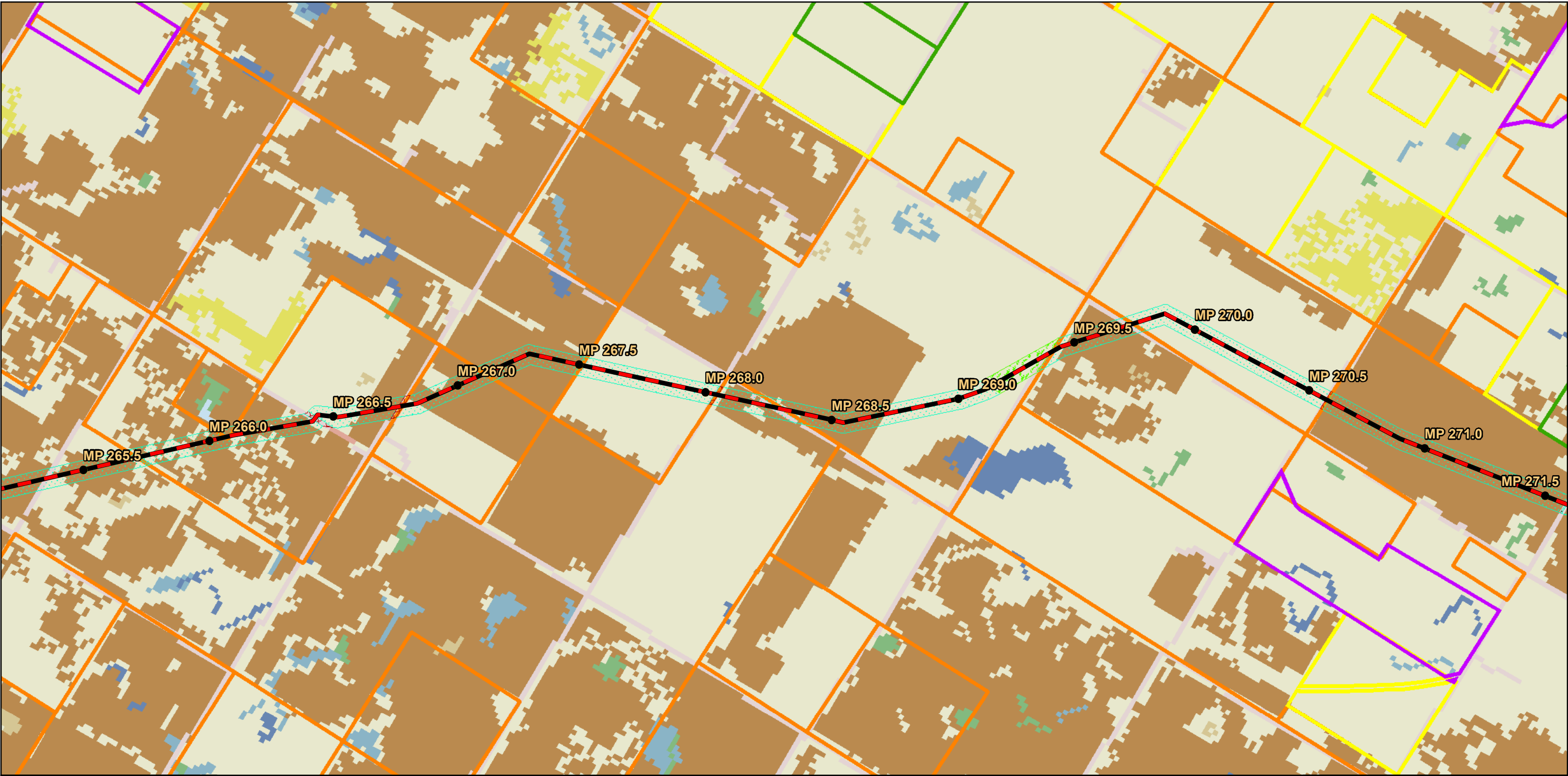
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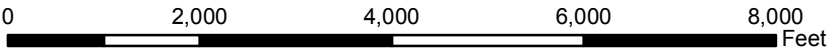
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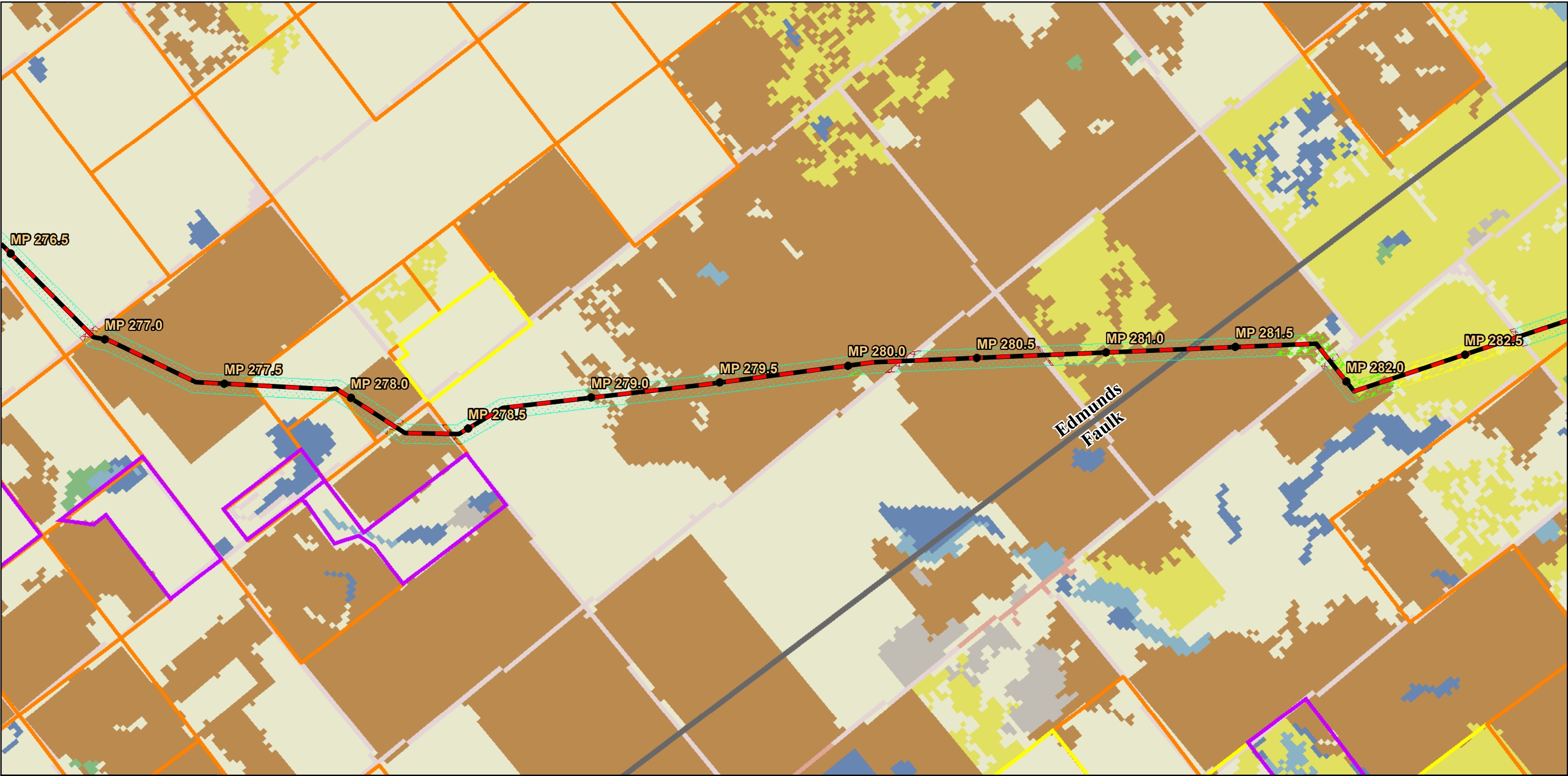
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| ● Milepost | ■ Developed, Medium Intensity | ■ Shrub/Scrub |
| — Proposed Route | ■ Developed, High Intensity | ■ Grassland/Herbaceous |
| USGS NLCD Type | ■ Barren Land | ■ Pasture/Hay |
| ■ Open Water | ■ Deciduous Forest | ■ Cultivated Crops |
| ■ Developed, Open Space | ■ Evergreen Forest | ■ Woody Wetlands |
| ■ Developed, Low intensity | ■ Mixed Forest | ■ Emergent Herbaceous Wetlands |

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| Land Use Field Data Type | ■ Land use primarily for row and no-row crops in rotation |
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| ■ Pasturelands and rangelands | ■ Residential |
| ■ Undisturbed native grassland | ■ Rural residences and farmsteads, family farms, and ranches |
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|-----------------------------|
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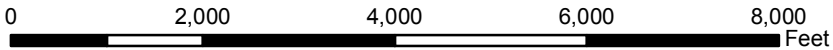
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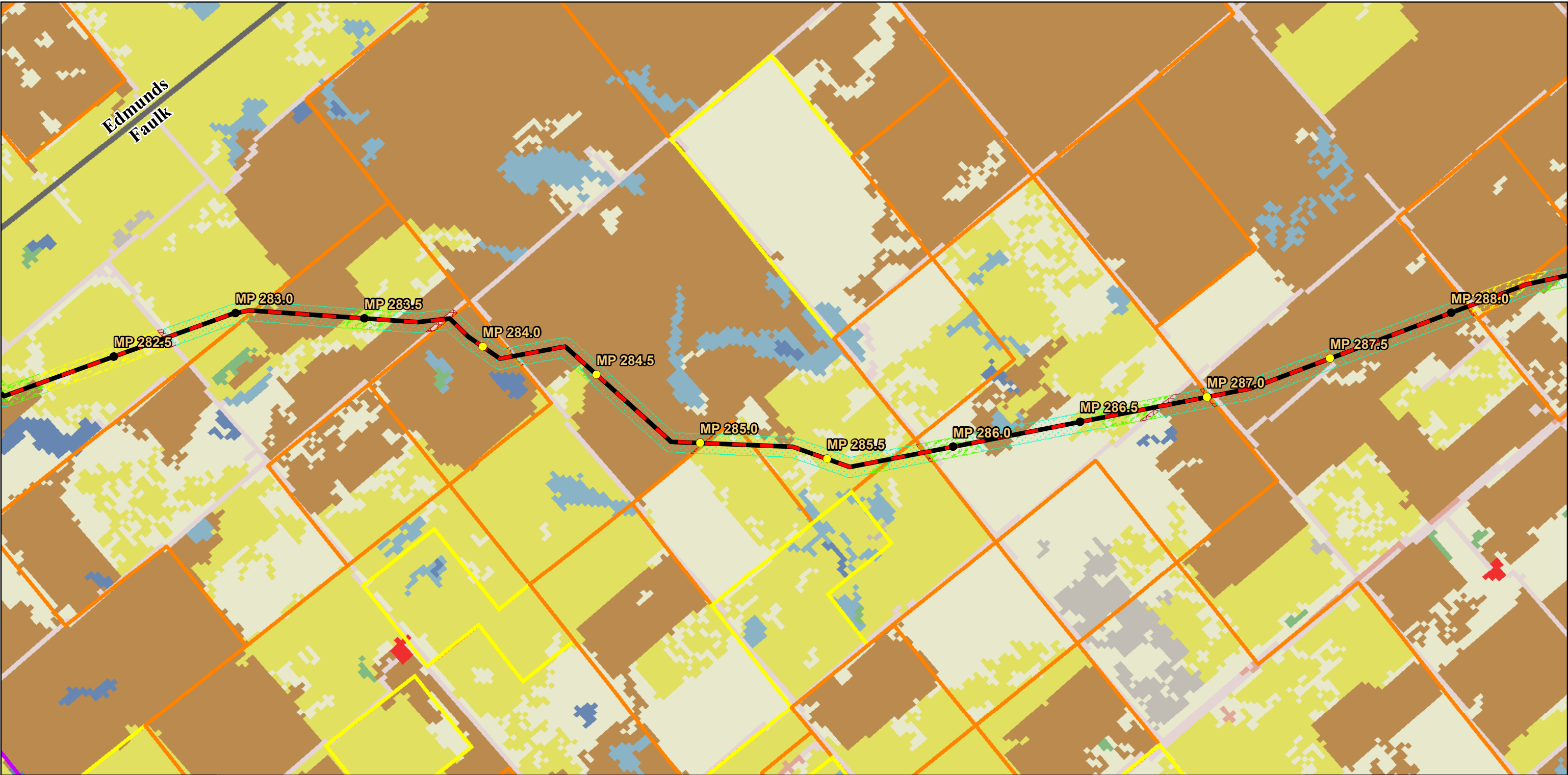
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USGS NLCD Type

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|--------------------------|-----------------------------|
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| Developed, Open Space | Developed, High Intensity |
| Developed, Low intensity | Barren Land |
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|----------------------|------------------------------|
| Shrub/Scrub | Pasture/Hay |
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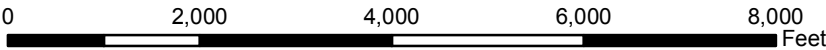
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- | |
|---------------------------|
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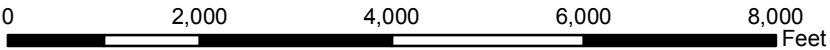
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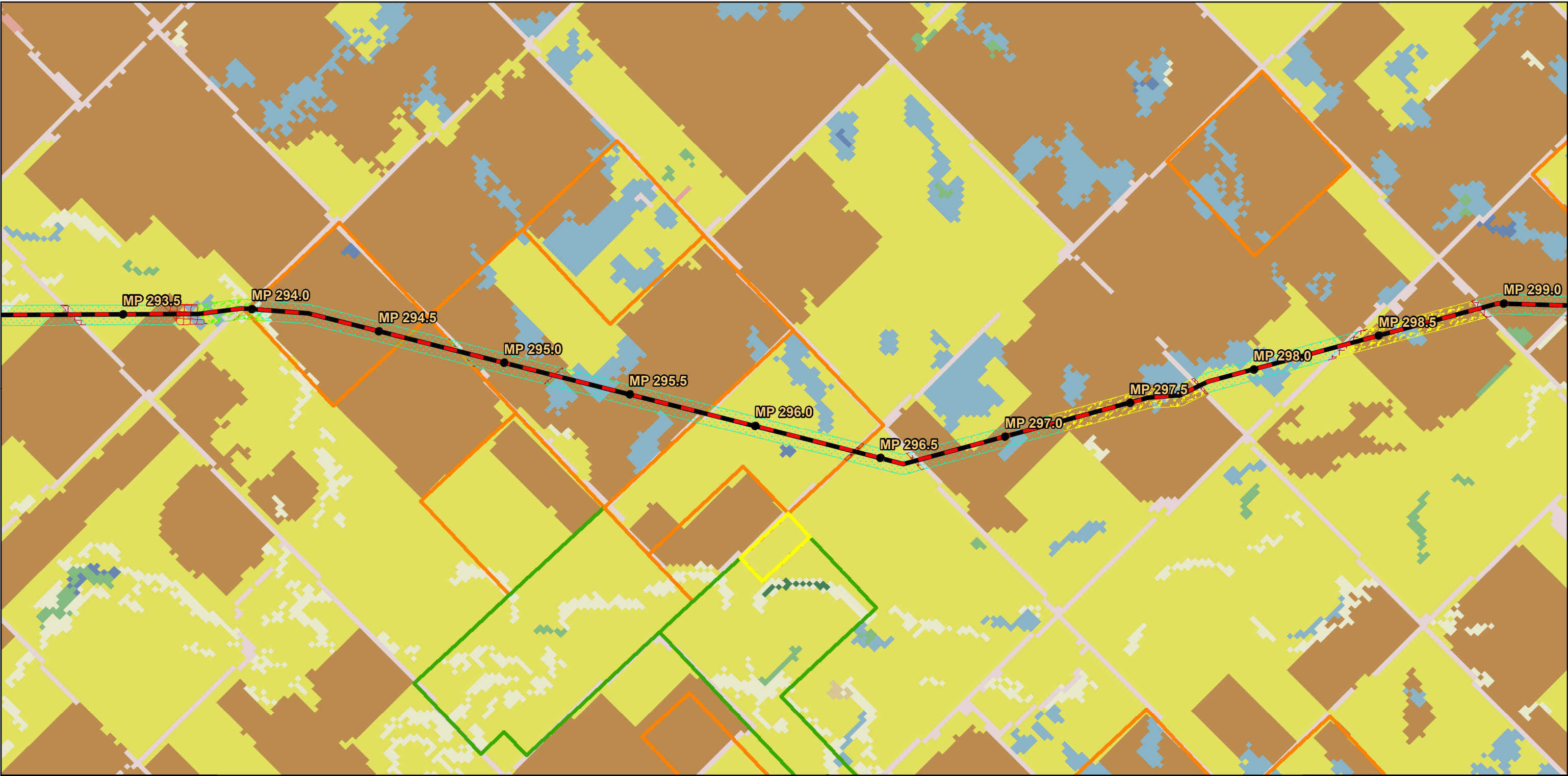
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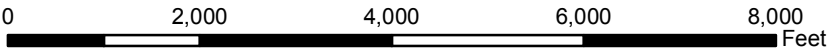
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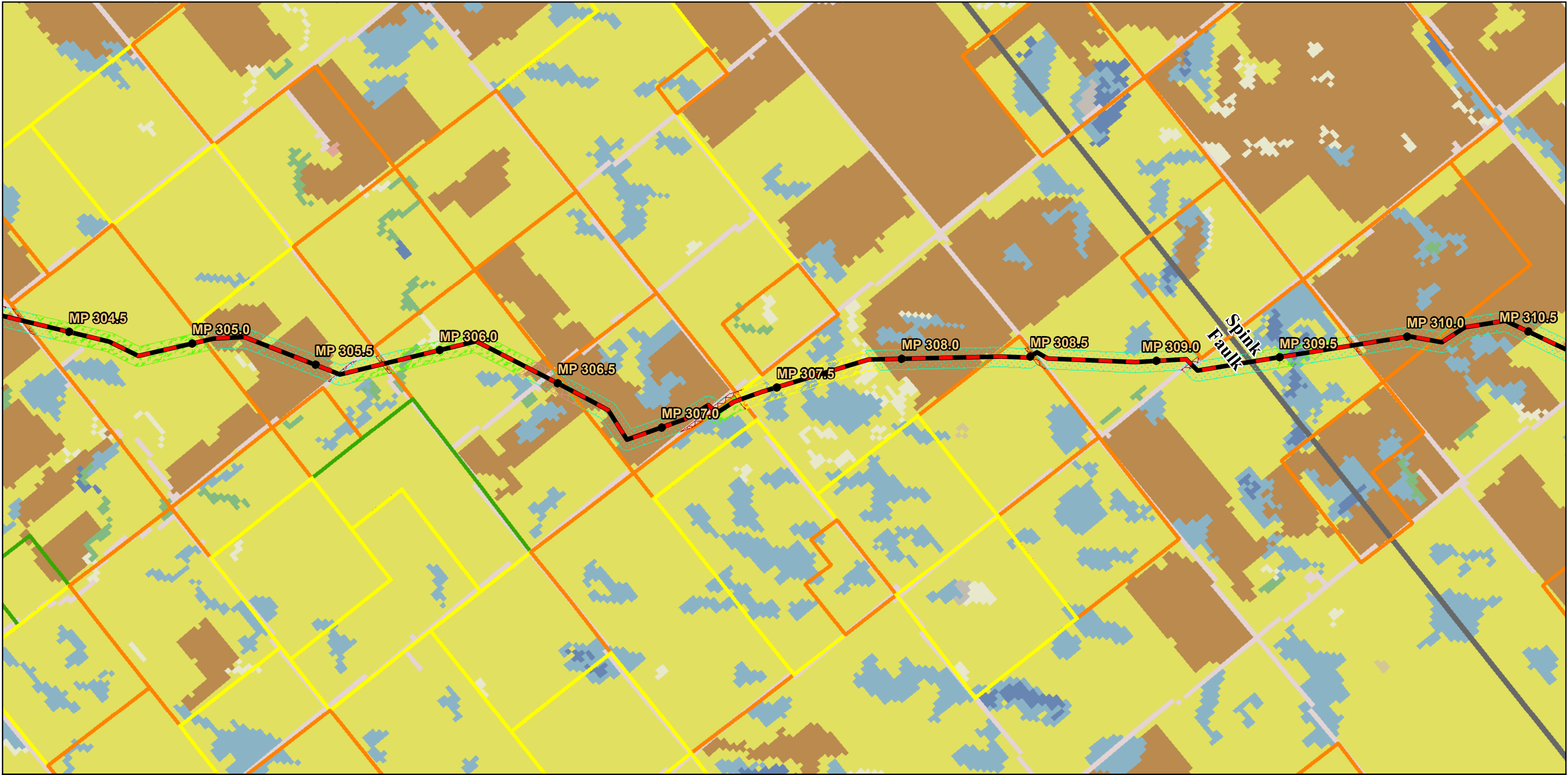
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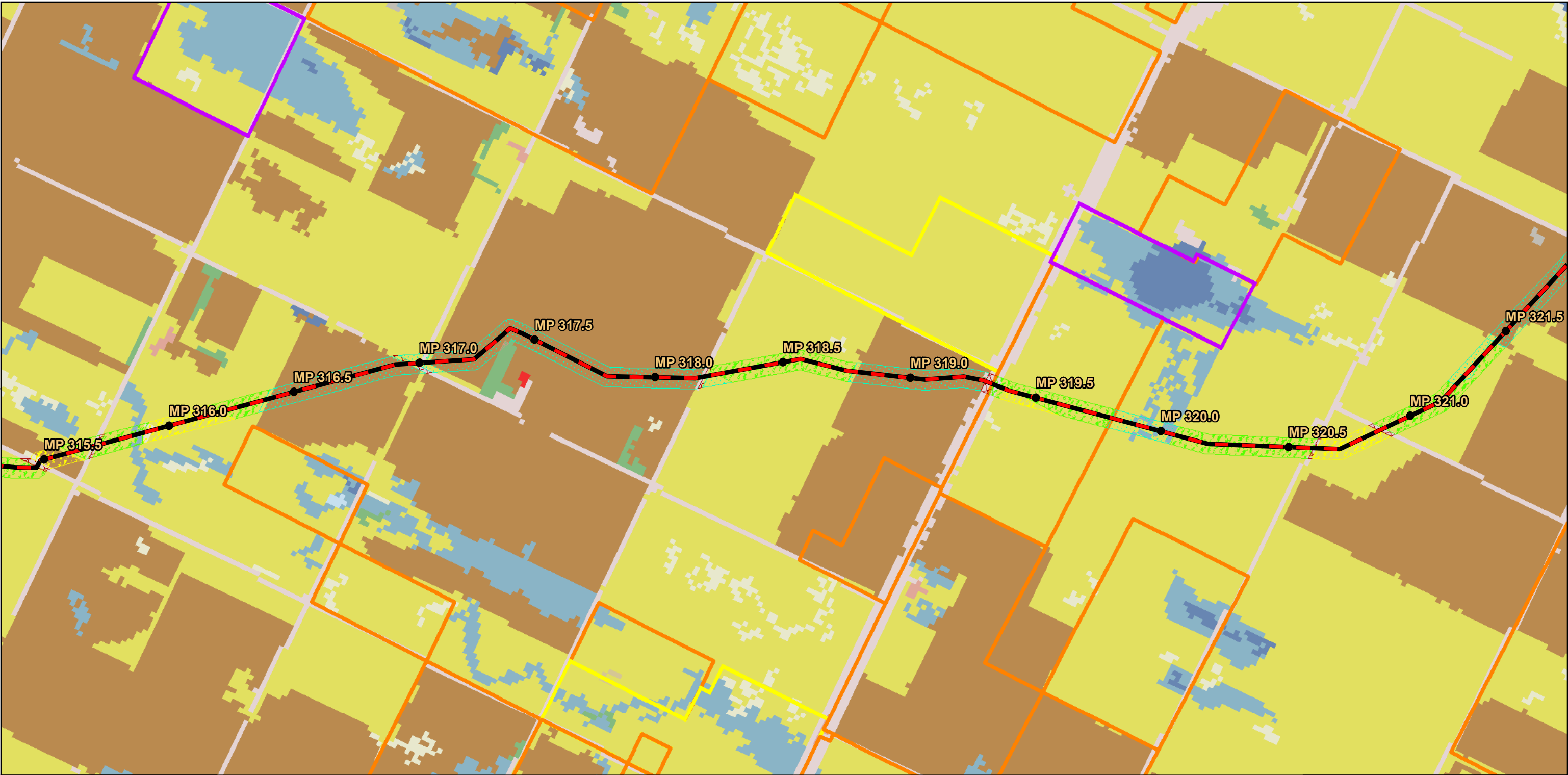


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<ul style="list-style-type: none">MilepostProposed Route	<ul style="list-style-type: none">Developed, Medium IntensityDeveloped, High IntensityBarren LandDeciduous ForestEvergreen ForestMixed Forest	<ul style="list-style-type: none">Shrub/ScrubGrassland/HerbaceousPasture/HayCultivated CropsWoody WetlandsEmergent Herbaceous Wetlands	Land Use Field Data Type <ul style="list-style-type: none">HaylandsPasturelands and rangelandsUndisturbed native grasslandIrrigated lands	<ul style="list-style-type: none">Land use primarily for row and no-row crops in rotationPublic, commercial, and institutional useResidentialRural residences and farmsteads, family farms, and ranches	USFWS Fee Owned Land <ul style="list-style-type: none">Waterfowl Protection Area USFWS Easements <ul style="list-style-type: none">GrasslandGrassland/WetlandWetland
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0 2,000 4,000 6,000 8,000 Feet



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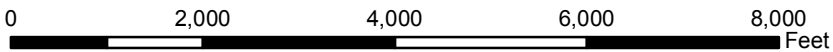
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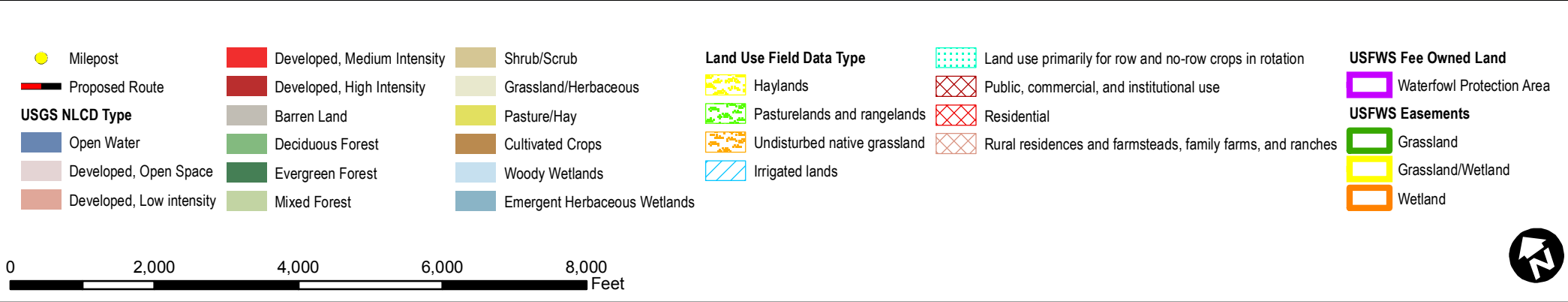
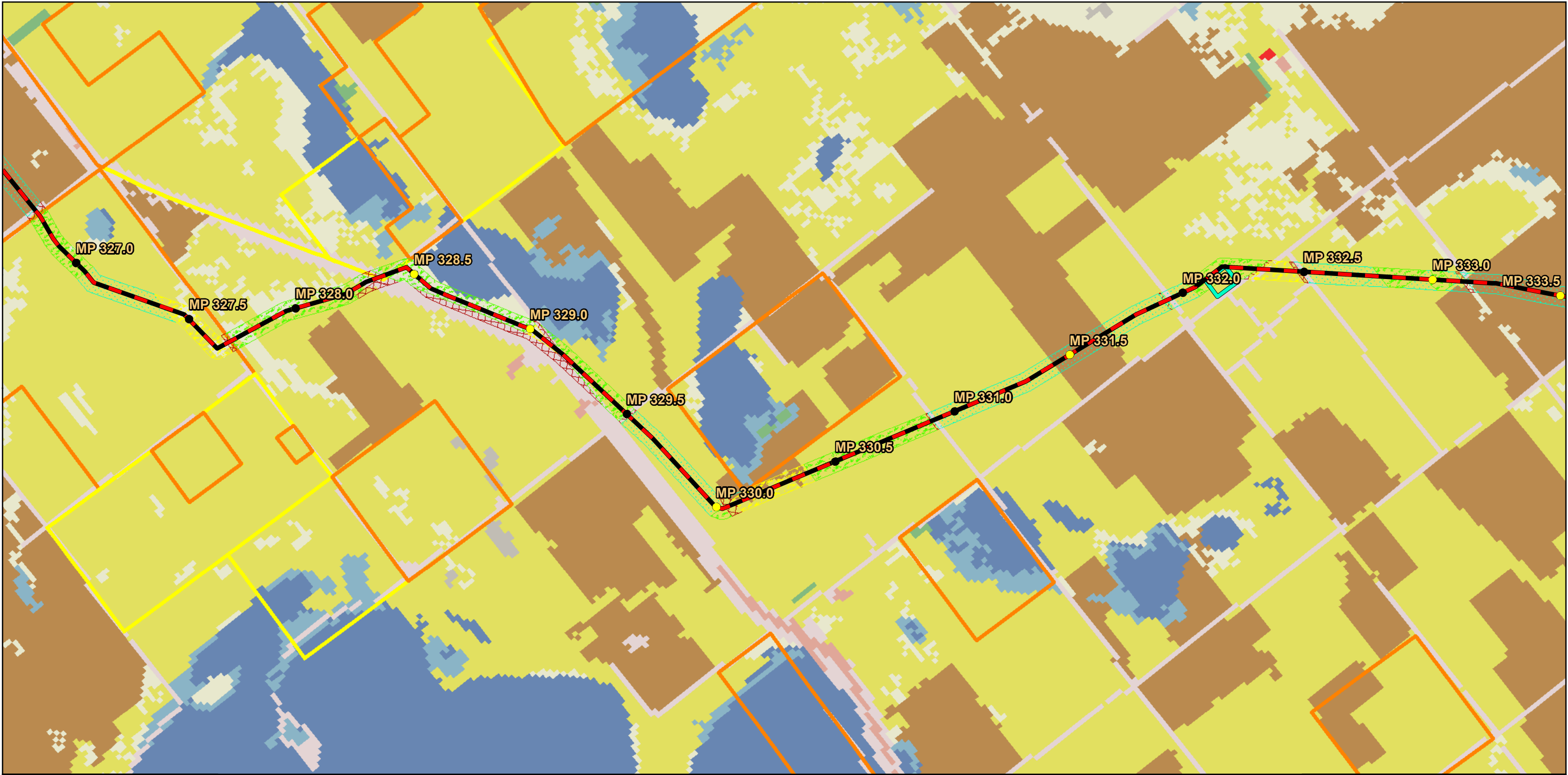
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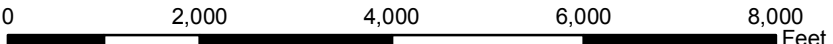
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| <ul style="list-style-type: none">MilepostReroute MilepostProposed RoutePrevious Route | <ul style="list-style-type: none">Developed, Low intensityDeveloped, Medium IntensityDeveloped, High IntensityBarren Land | <ul style="list-style-type: none">Shrub/ScrubGrassland/HerbaceousPasture/HayCultivated CropsWoody WetlandsEmergent Herbaceous Wetlands | <p>Land Use Field Data Type</p> <ul style="list-style-type: none">HaylandsPasturelands and rangelandsUndisturbed native grasslandIrrigated lands | <ul style="list-style-type: none">Land use primarily for row and no-row crops in rotationPublic, commercial, and institutional useResidentialRural residences and farmsteads, family farms, and ranches |
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| <ul style="list-style-type: none">Open WaterDeveloped, Open Space | <ul style="list-style-type: none">Deciduous ForestEvergreen ForestMixed Forest |
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- USFWS Fee Owned Land**
- Waterfowl Protection Area
- USFWS Easements**
- Grassland
 - Grassland/Wetland
 - Wetland



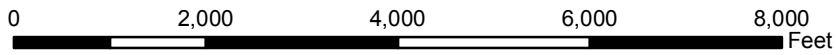
Dakota Access, LLC
Dakota Access Pipeline Project
USGS Landcover/Land Use Field Data
South Dakota

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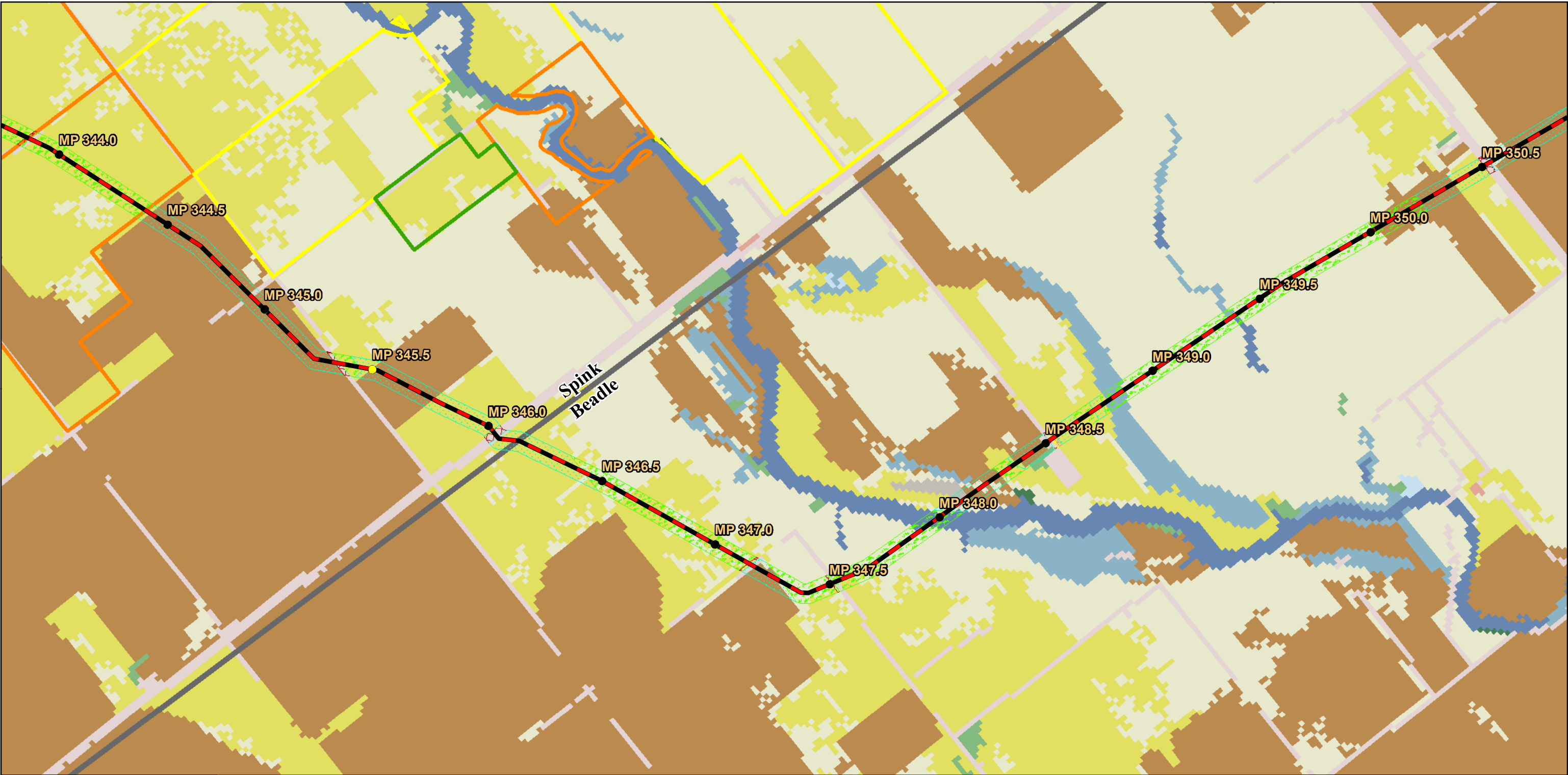


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| <ul style="list-style-type: none">MilepostReroute MilepostProposed RoutePrevious Route | <ul style="list-style-type: none">Developed, Low intensityDeveloped, Medium IntensityDeveloped, High IntensityBarren Land | <ul style="list-style-type: none">Shrub/ScrubGrassland/HerbaceousPasture/HayCultivated CropsWoody WetlandsEmergent Herbaceous Wetlands | <p>Land Use Field Data Type</p> <ul style="list-style-type: none">HaylandsPasturelands and rangelandsUndisturbed native grasslandIrrigated lands | <ul style="list-style-type: none">Land use primarily for row and no-row crops in rotationPublic, commercial, and institutional useResidentialRural residences and farmsteads, family farms, and ranches |
|---|--|---|--|--|
- USGS NLCD Type**
- | | |
|--|--|
| <ul style="list-style-type: none">Open WaterDeveloped, Open Space | <ul style="list-style-type: none">Deciduous ForestEvergreen ForestMixed Forest |
|--|--|

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USGS Landcover/Land Use Field Data
South Dakota



● Milepost
— Proposed Route

USGS NLCD Type

■ Open Water
■ Developed, Open Space
■ Developed, Low intensity
■ Deciduous Forest
■ Evergreen Forest
■ Mixed Forest

■ Developed, Medium Intensity
■ Developed, High Intensity
■ Barren Land

■ Shrub/Scrub
■ Grassland/Herbaceous
■ Pasture/Hay
■ Cultivated Crops
■ Woody Wetlands
■ Emergent Herbaceous Wetlands

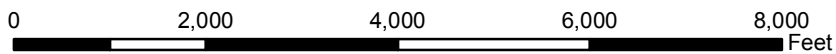
Land Use Field Data Type

■ Haylands
■ Pasturelands and rangelands
■ Undisturbed native grassland
■ Irrigated lands

■ Land use primarily for row and no-row crops in rotation
■ Public, commercial, and institutional use
■ Residential
■ Rural residences and farmsteads, family farms, and ranches

USFWS Fee Owned Land

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USFWS Easements
■ Grassland
■ Grassland/Wetland
■ Wetland



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South Dakota

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NAD 83 South Dakota South Ft

Date: Dec 15, 2014



- Milepost
- Proposed Route

USGS NLCD Type

- Open Water
- Developed, Open Space
- Developed, Low intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land
- Deciduous Forest
- Evergreen Forest
- Mixed Forest

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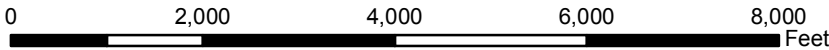
Land Use Field Data Type

- Haylands
- Pasturelands and rangelands
- Undisturbed native grassland
- Irrigated lands

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- USFWS Easements
- Grassland
- Grassland/Wetland
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USGS Landcover/Land Use Field Data
South Dakota



Milepost	Developed, Medium Intensity	Shrub/Scrub	Land Use Field Data Type Haylands Pasturelands and rangelands Undisturbed native grassland Irrigated lands	Land use primarily for row and no-row crops in rotation	USFWS Fee Owned Land Waterfowl Protection Area USFWS Easements Grassland Grassland/Wetland Wetland
Proposed Route	Developed, High Intensity	Grassland/Herbaceous		Public, commercial, and institutional use	
USGS NLCD Type Open Water Developed, Open Space Developed, Low intensity	Barren Land Deciduous Forest Evergreen Forest Mixed Forest	Pasture/Hay Cultivated Crops Woody Wetlands Emergent Herbaceous Wetlands		Residential Rural residences and farmsteads, family farms, and ranches	

0 2,000 4,000 6,000 8,000 Feet

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● Milepost
— Proposed Route

USGS NLCD Type

■ Open Water
■ Developed, Open Space
■ Developed, Low intensity
■ Developed, Medium Intensity
■ Developed, High Intensity
■ Barren Land
■ Deciduous Forest
■ Evergreen Forest
■ Mixed Forest

■ Shrub/Scrub
■ Grassland/Herbaceous
■ Pasture/Hay
■ Cultivated Crops
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■ Emergent Herbaceous Wetlands

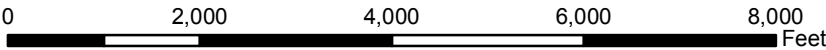
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USFWS Fee Owned Land

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USFWS Easements
■ Grassland
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Dakota Access Pipeline Project
USGS Landcover/Land Use Field Data
South Dakota



- Milepost
- Proposed Route
- USGS NLCD Type**
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- Developed, Open Space
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- Barren Land
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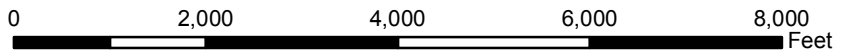
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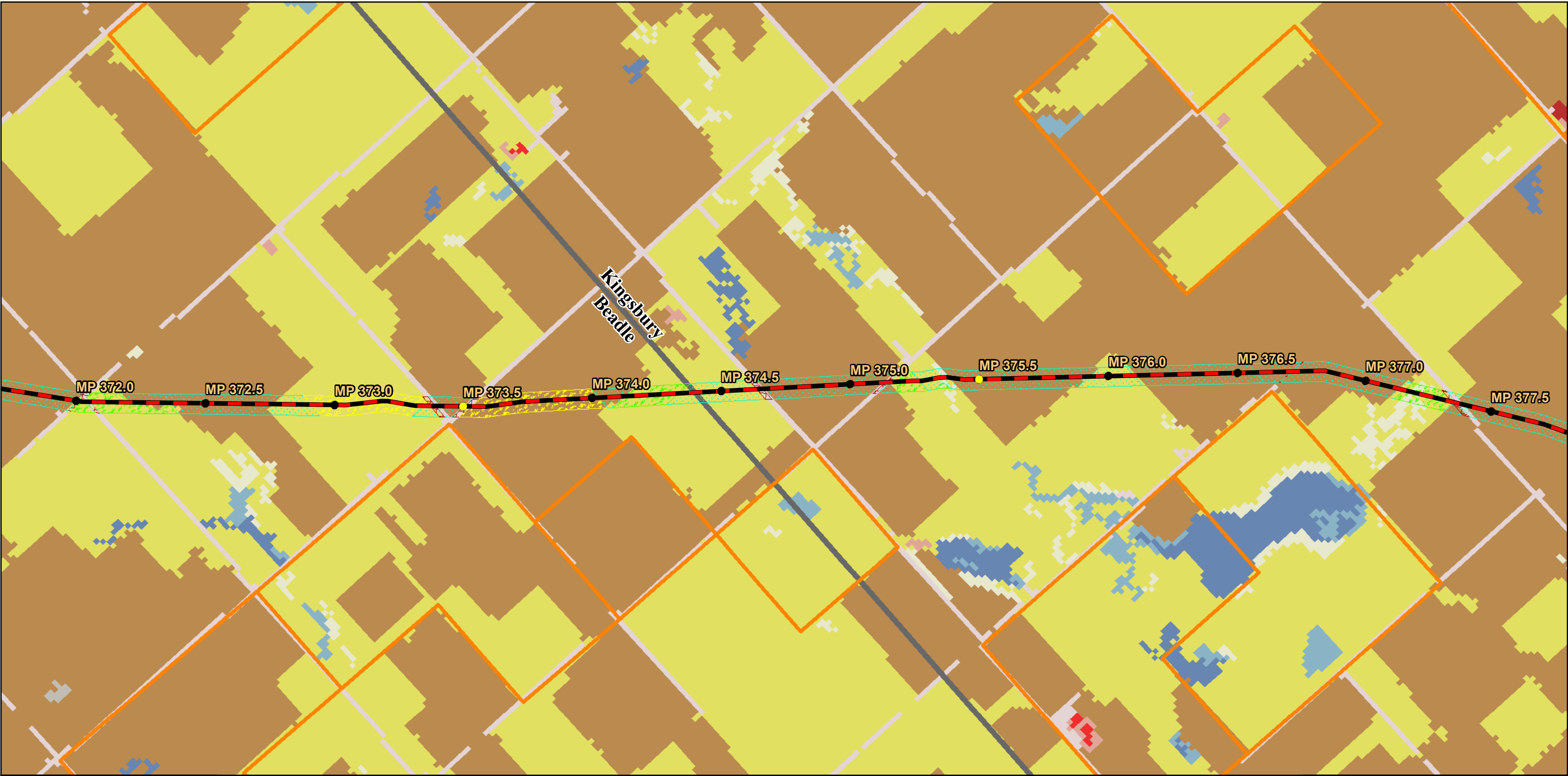
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Dakota Access, LLC
Dakota Access Pipeline Project
USGS Landcover/Land Use Field Data
South Dakota



● Milepost
— Proposed Route

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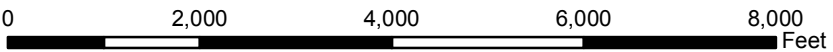
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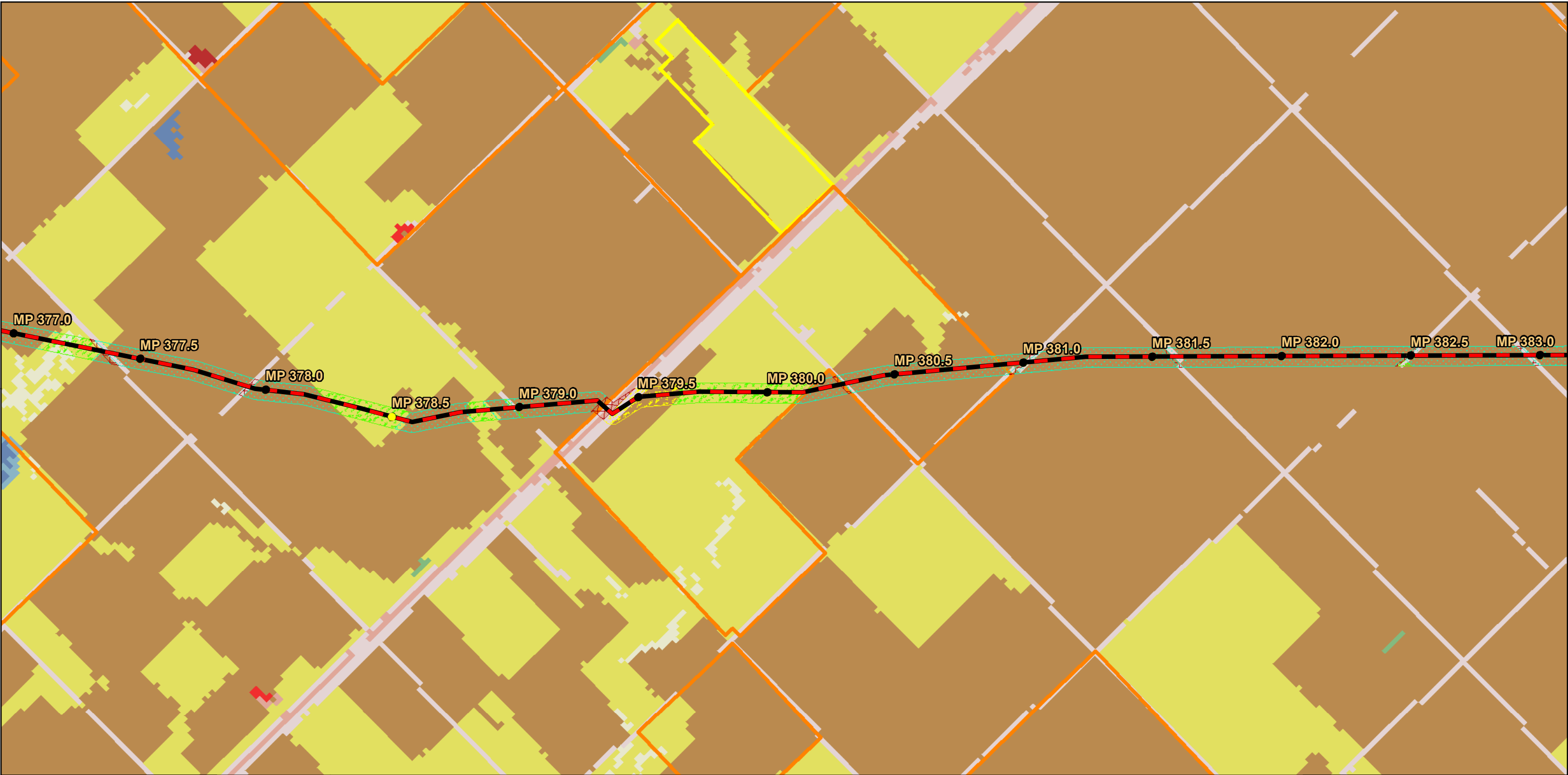
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South Dakota

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● Milepost
— Proposed Route

USGS NLCD Type

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■ Developed, Low intensity

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■ Barren Land
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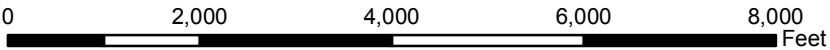
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Dakota Access, LLC
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South Dakota



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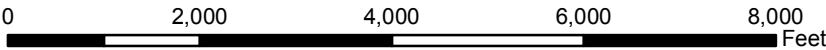
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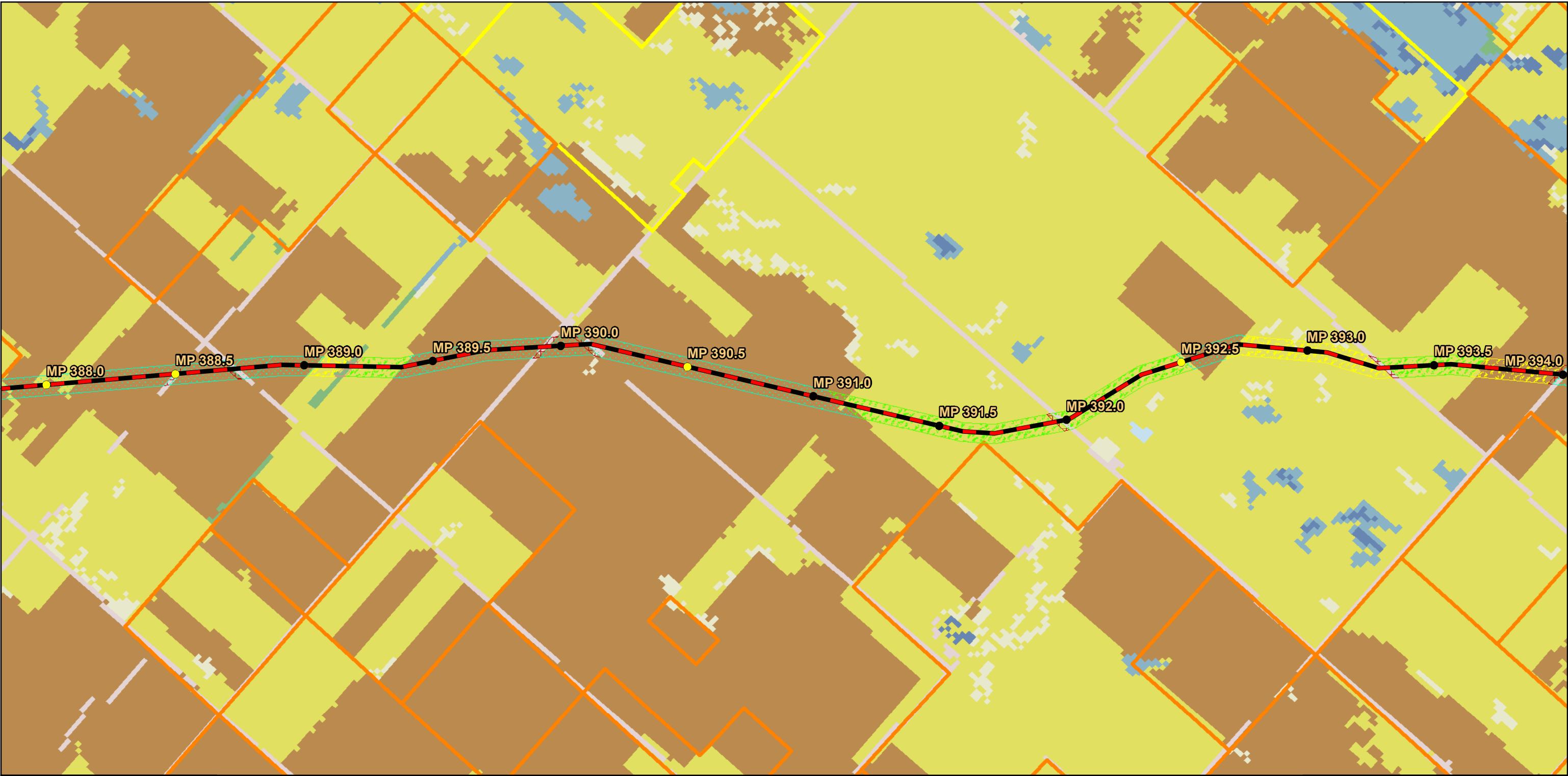
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**Dakota Access, LLC
Dakota Access Pipeline Project
USGS Landcover/Land Use Field Data
South Dakota**



- Milepost
- Proposed Route

USGS NLCD Type

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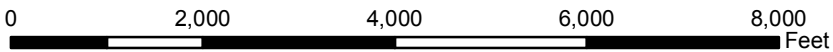
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Dakota Access, LLC
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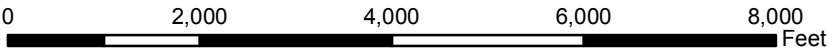
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South Dakota



- Milepost
- Proposed Route

USGS NLCD Type

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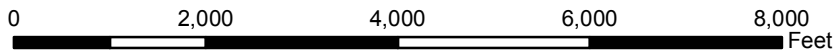
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USFWS Fee Owned Land

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Dakota Access Pipeline Project
USGS Landcover/Land Use Field Data
South Dakota



● Milepost
— Proposed Route

USGS NLCD Type

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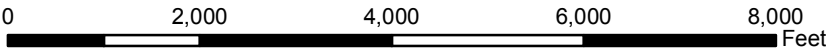
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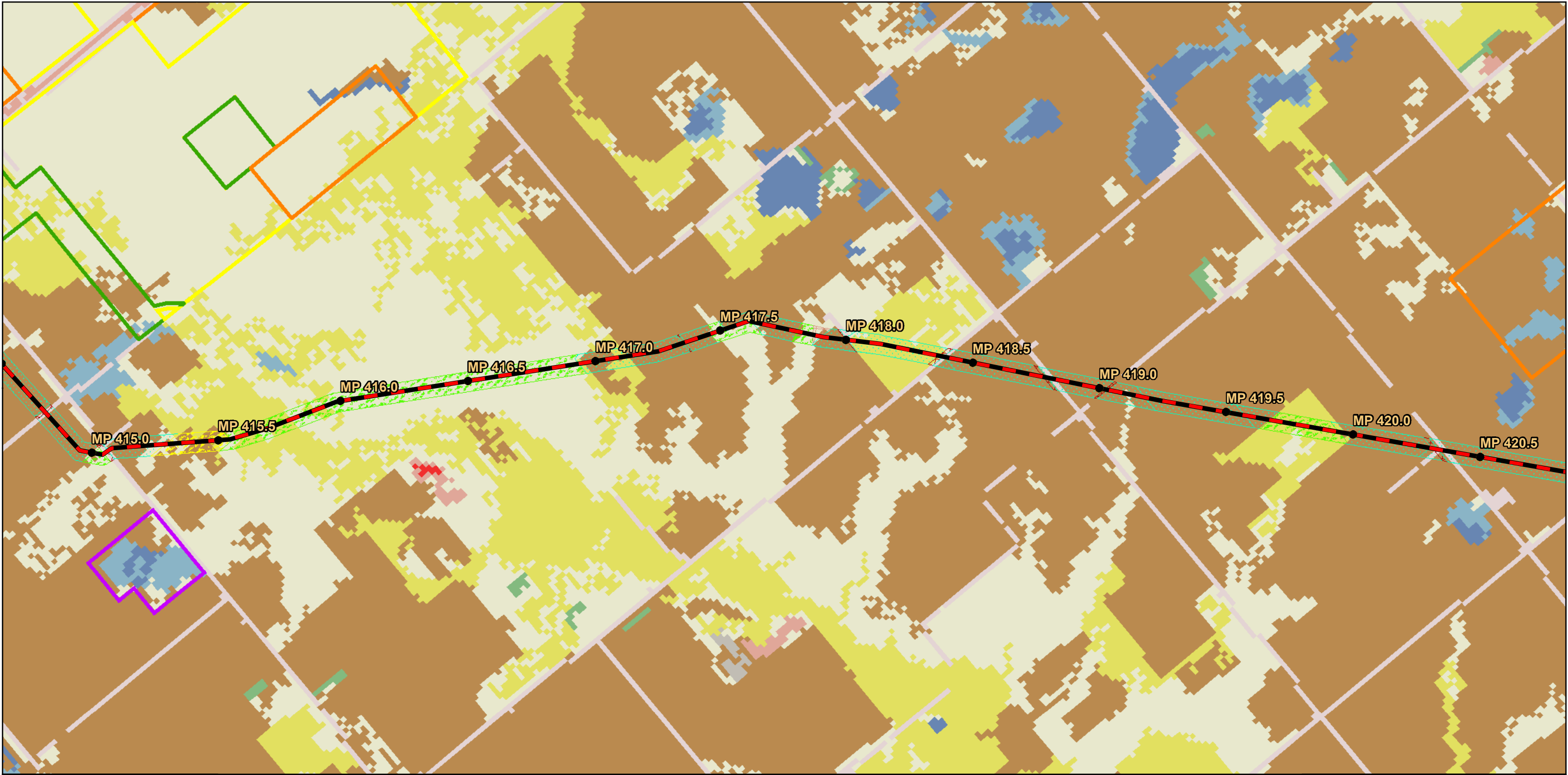
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USFWS Fee Owned Land

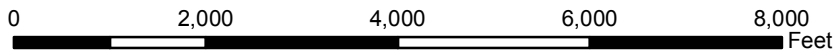
■ Waterfowl Protection Area
USFWS Easements
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South Dakota

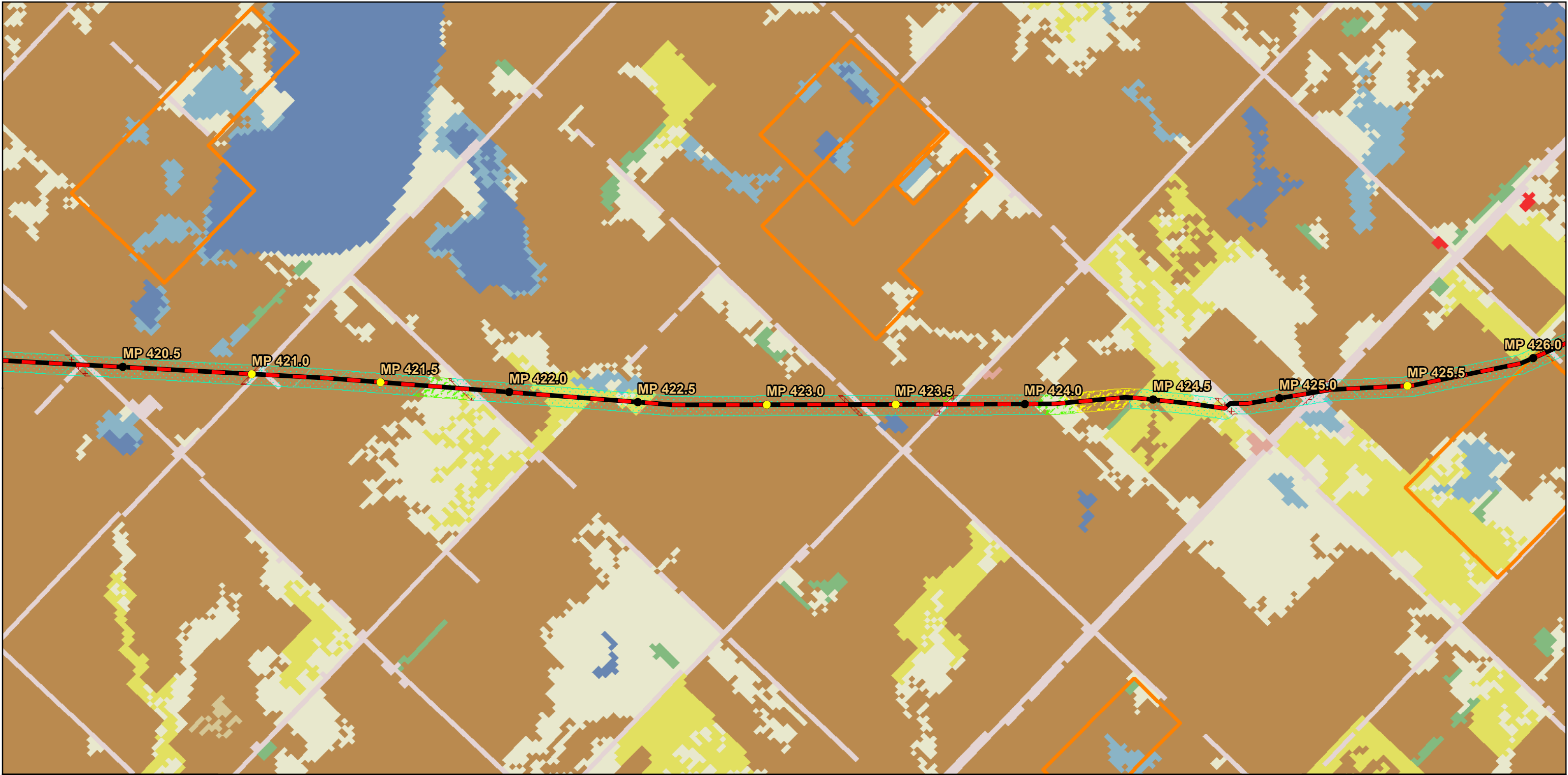


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USGS Landcover/Land Use Field Data
South Dakota

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● Milepost

— Proposed Route

USGS NLCD Type

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- Developed, Low intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land
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Land Use Field Data Type

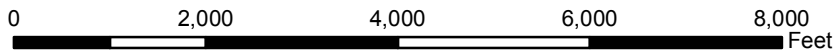
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USFWS Fee Owned Land

- Waterfowl Protection Area

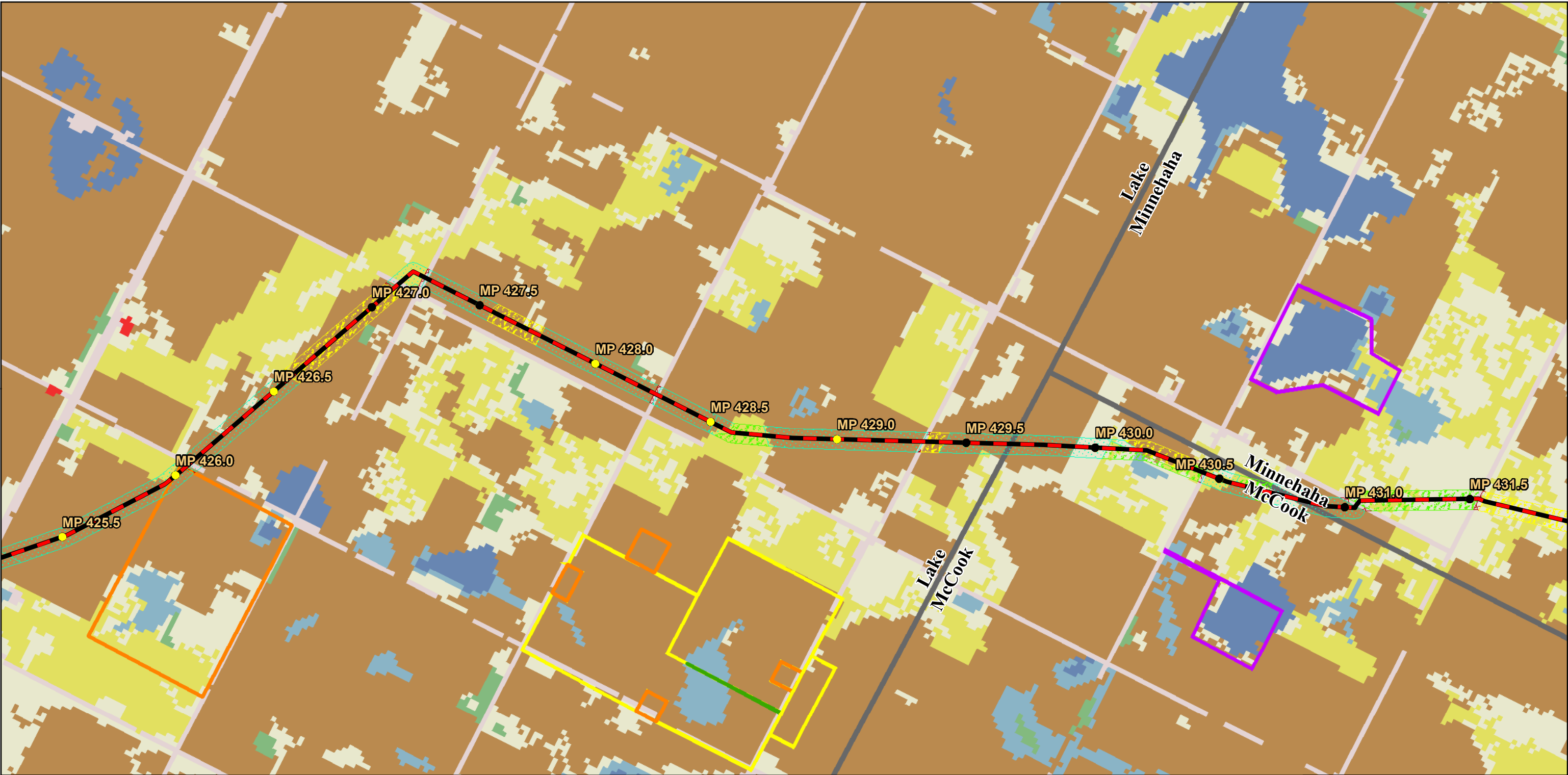
USFWS Easements

- Grassland
- Grassland/Wetland
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Dakota Access, LLC
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USGS Landcover/Land Use Field Data
South Dakota

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- Milepost
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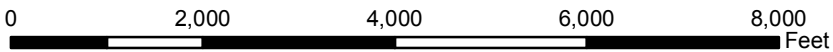
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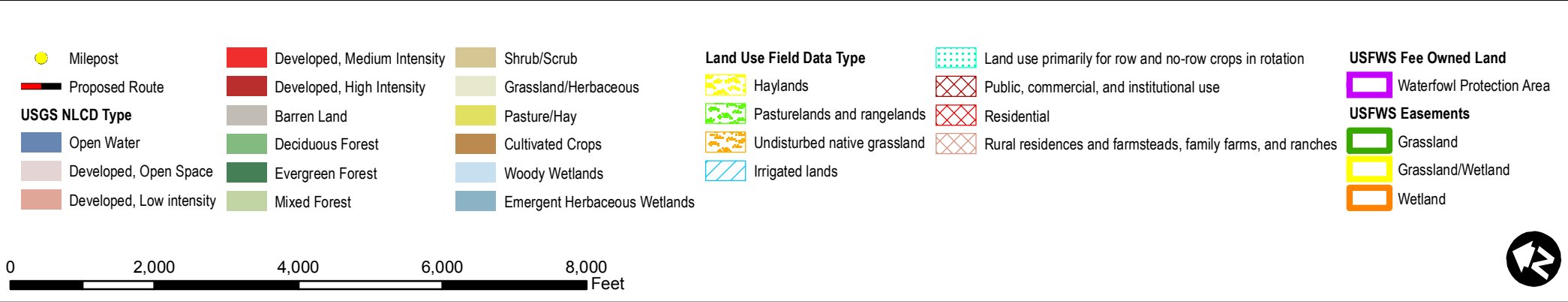
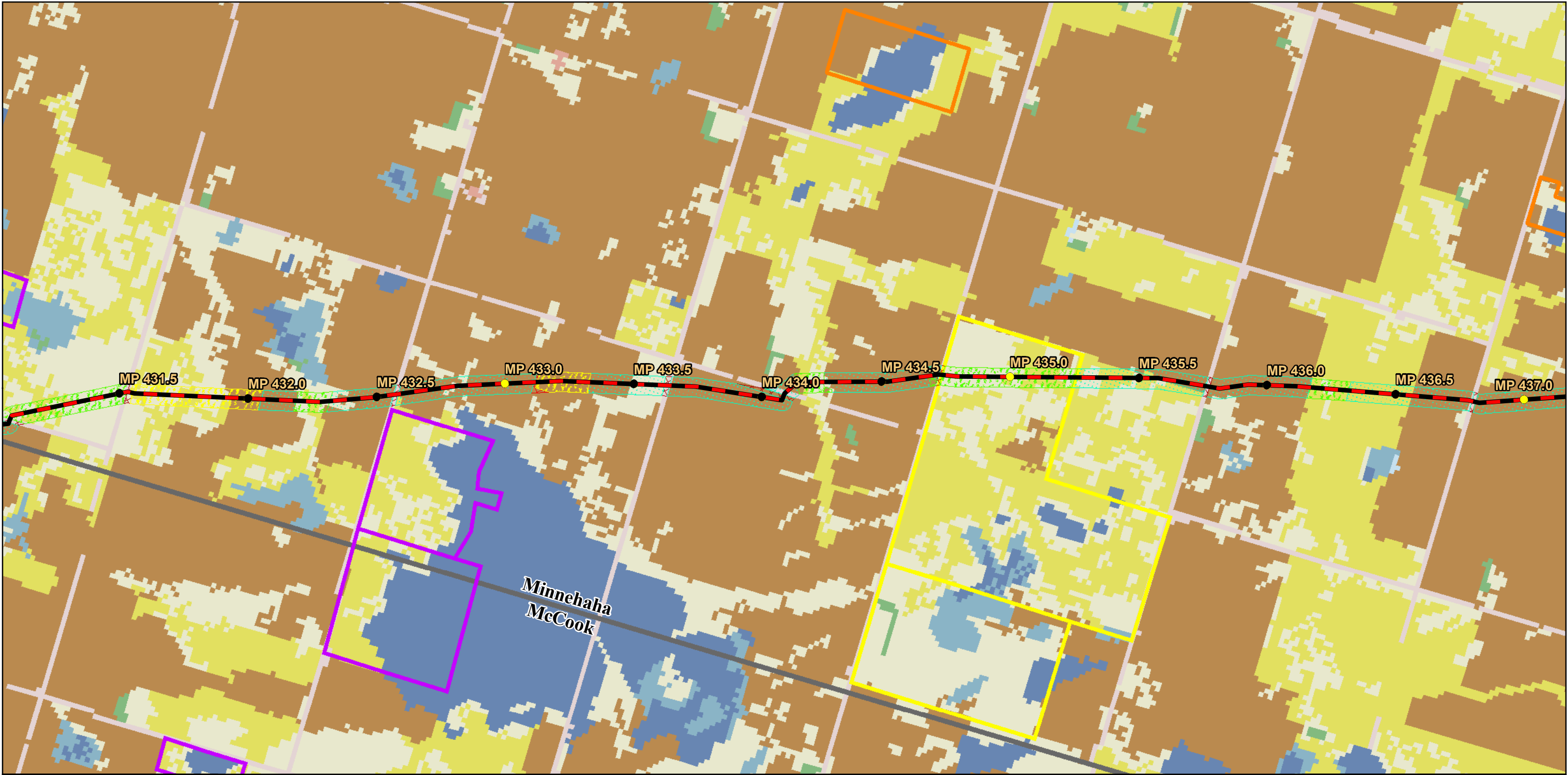
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**Dakota Access, LLC
Dakota Access Pipeline Project
USGS Landcover/Land Use Field Data
South Dakota**





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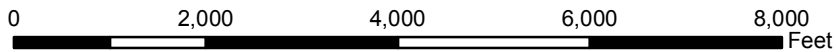
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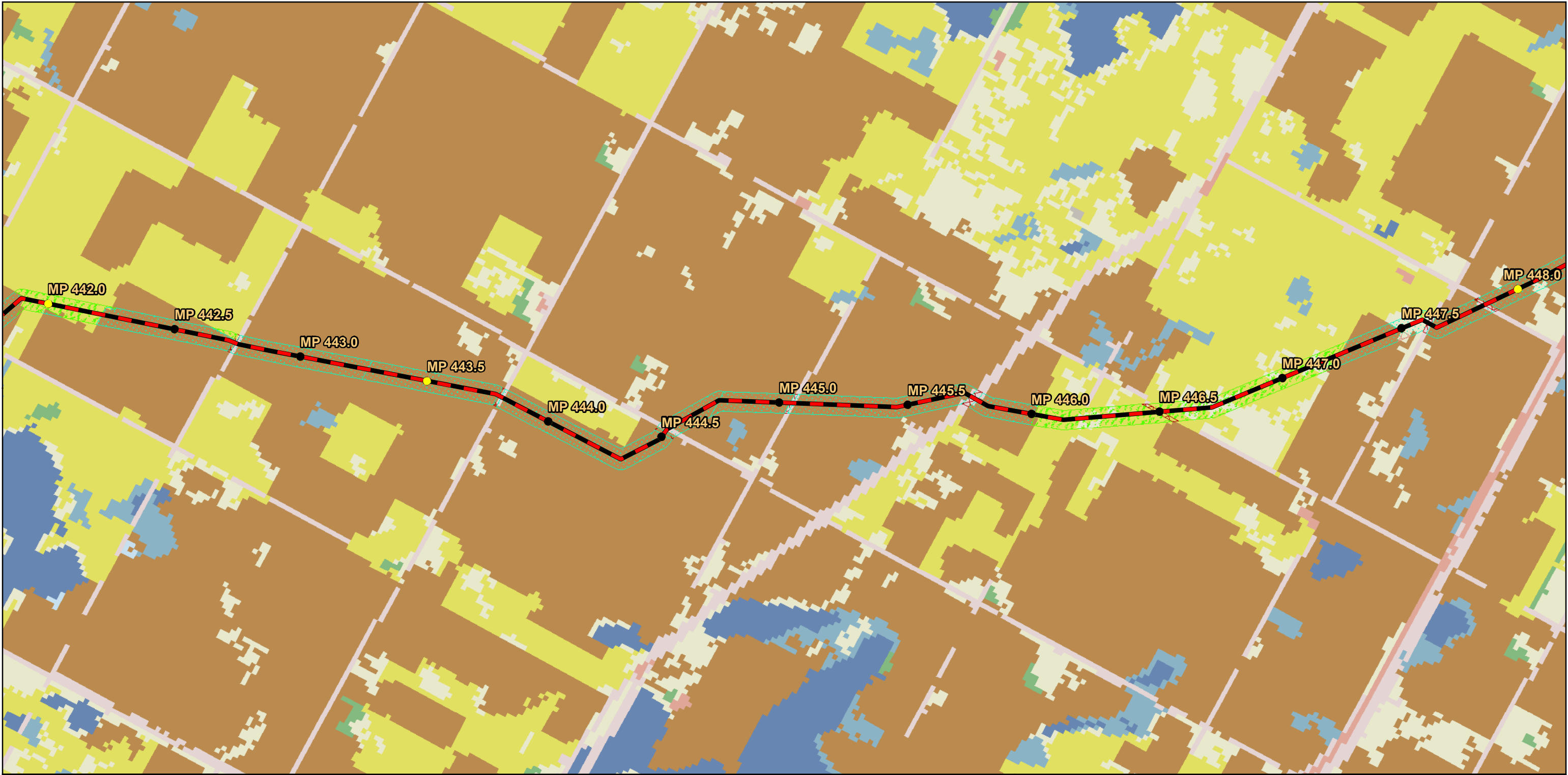
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South Dakota**



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— Proposed Route

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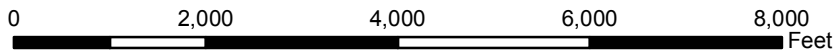
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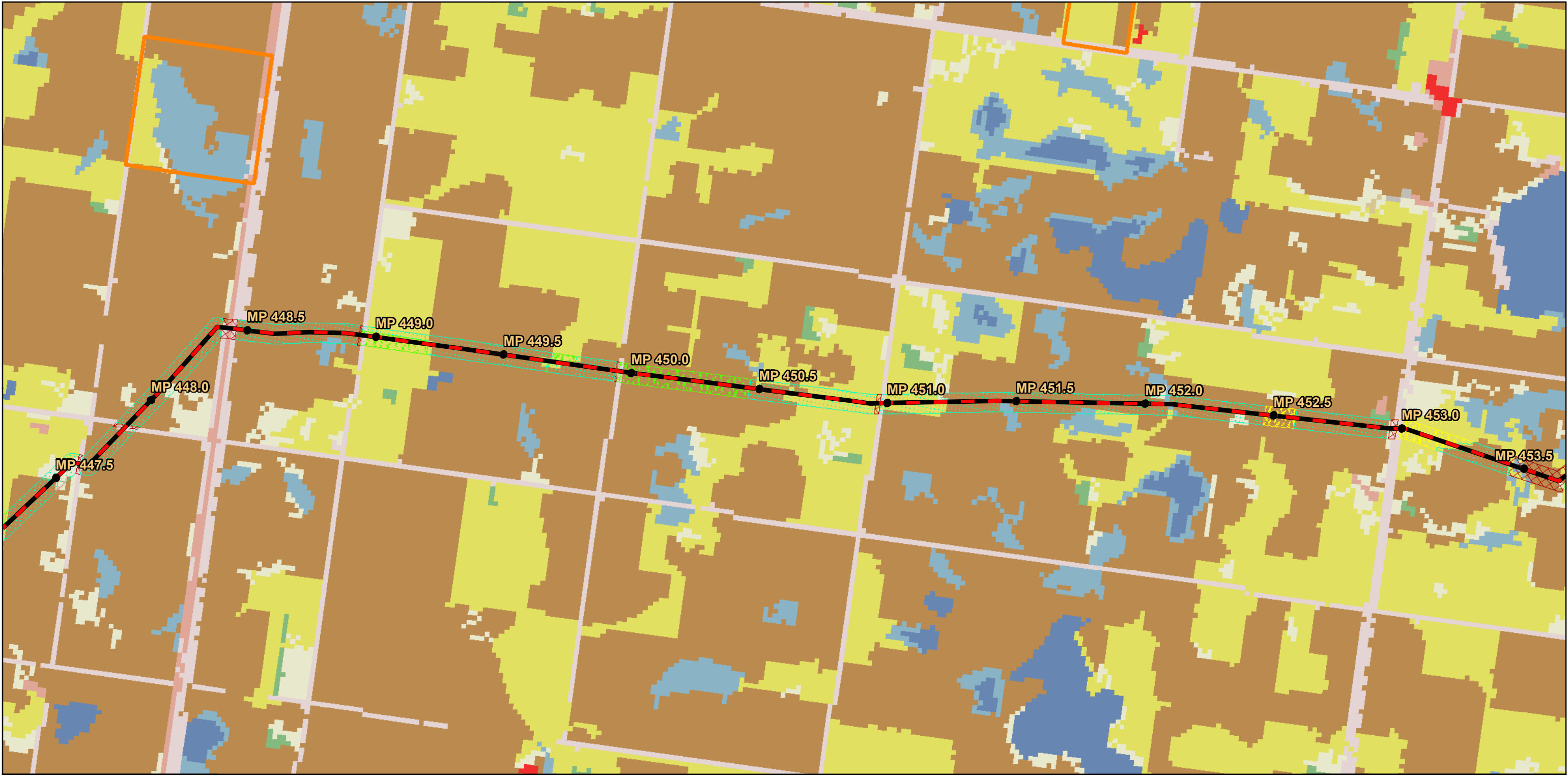
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- Emergent Herbaceous Wetlands

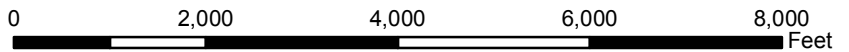
Land Use Field Data Type

- Haylands
- Pasturelands and rangelands
- Undisturbed native grassland
- Irrigated lands

- Land use primarily for row and no-row crops in rotation
- Public, commercial, and institutional use
- Residential
- Rural residences and farmsteads, family farms, and ranches

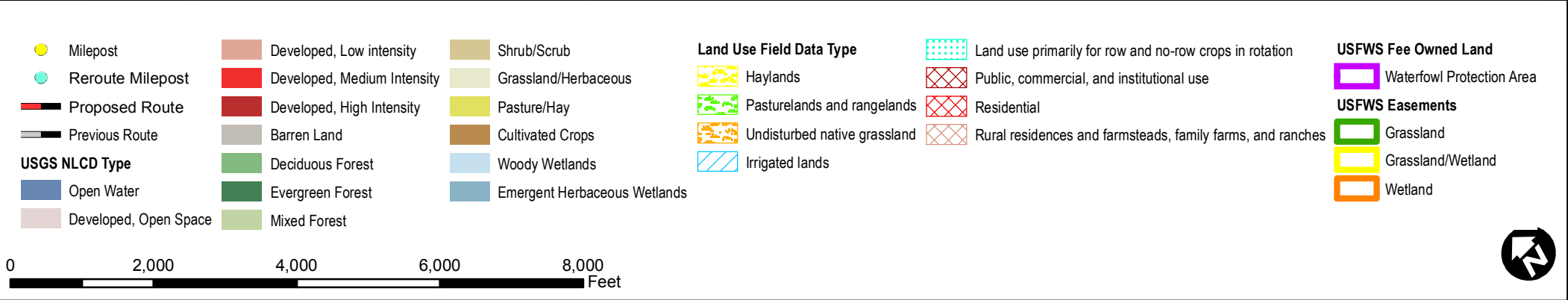
USFWS Fee Owned Land

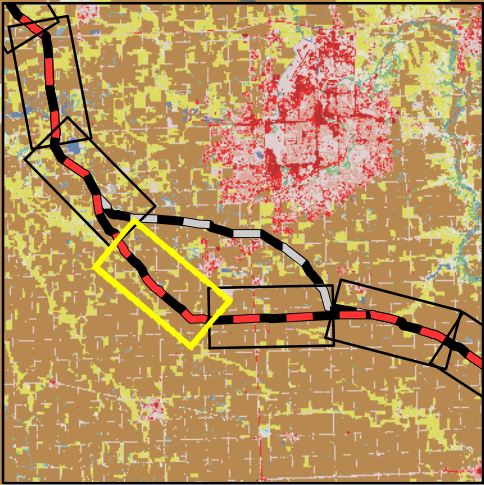
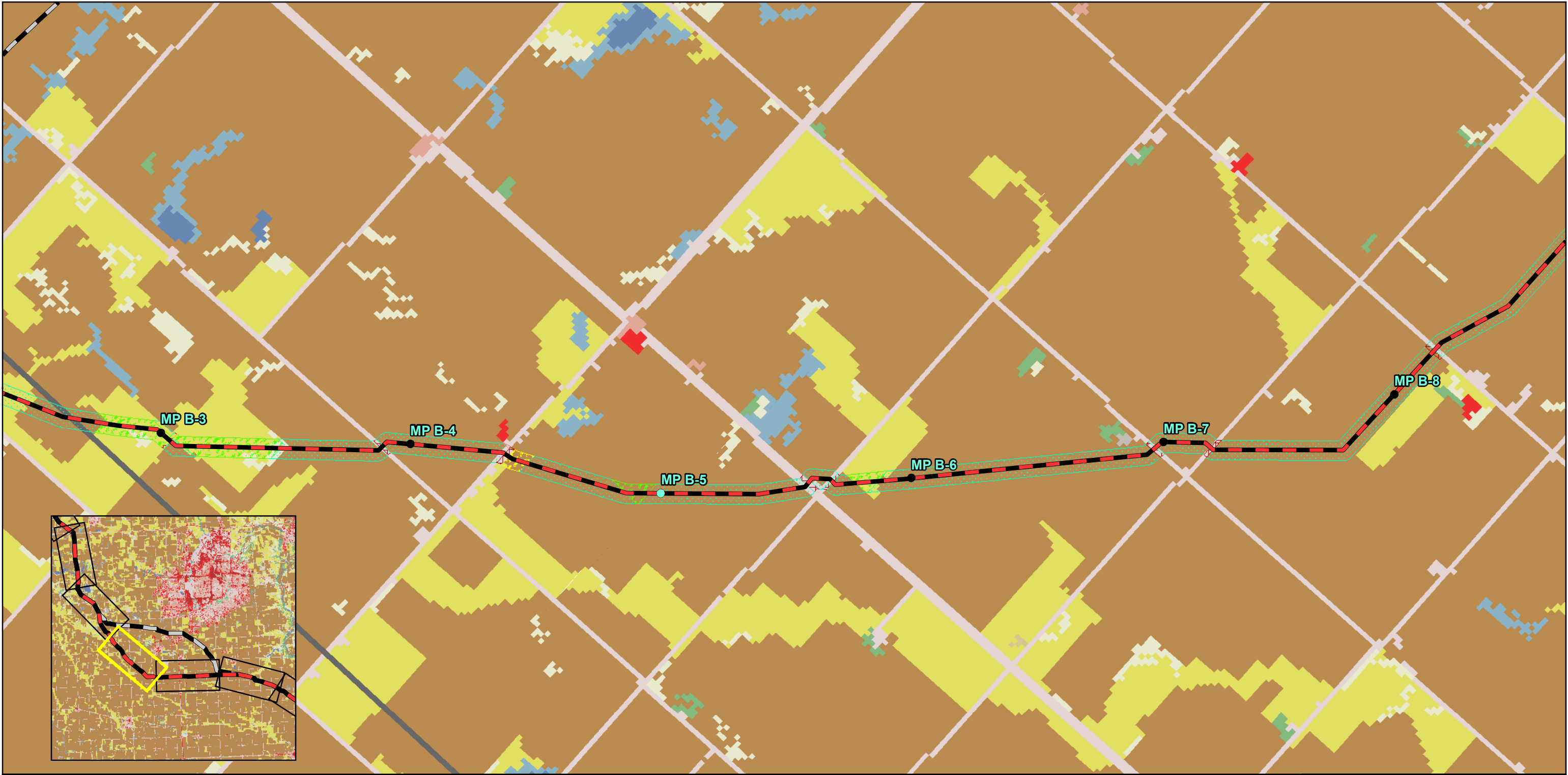
- Waterfowl Protection Area
- USFWS Easements**
- Grassland
- Grassland/Wetland
- Wetland



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South Dakota

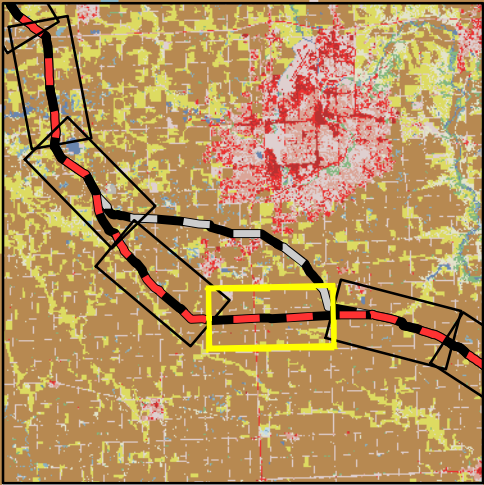
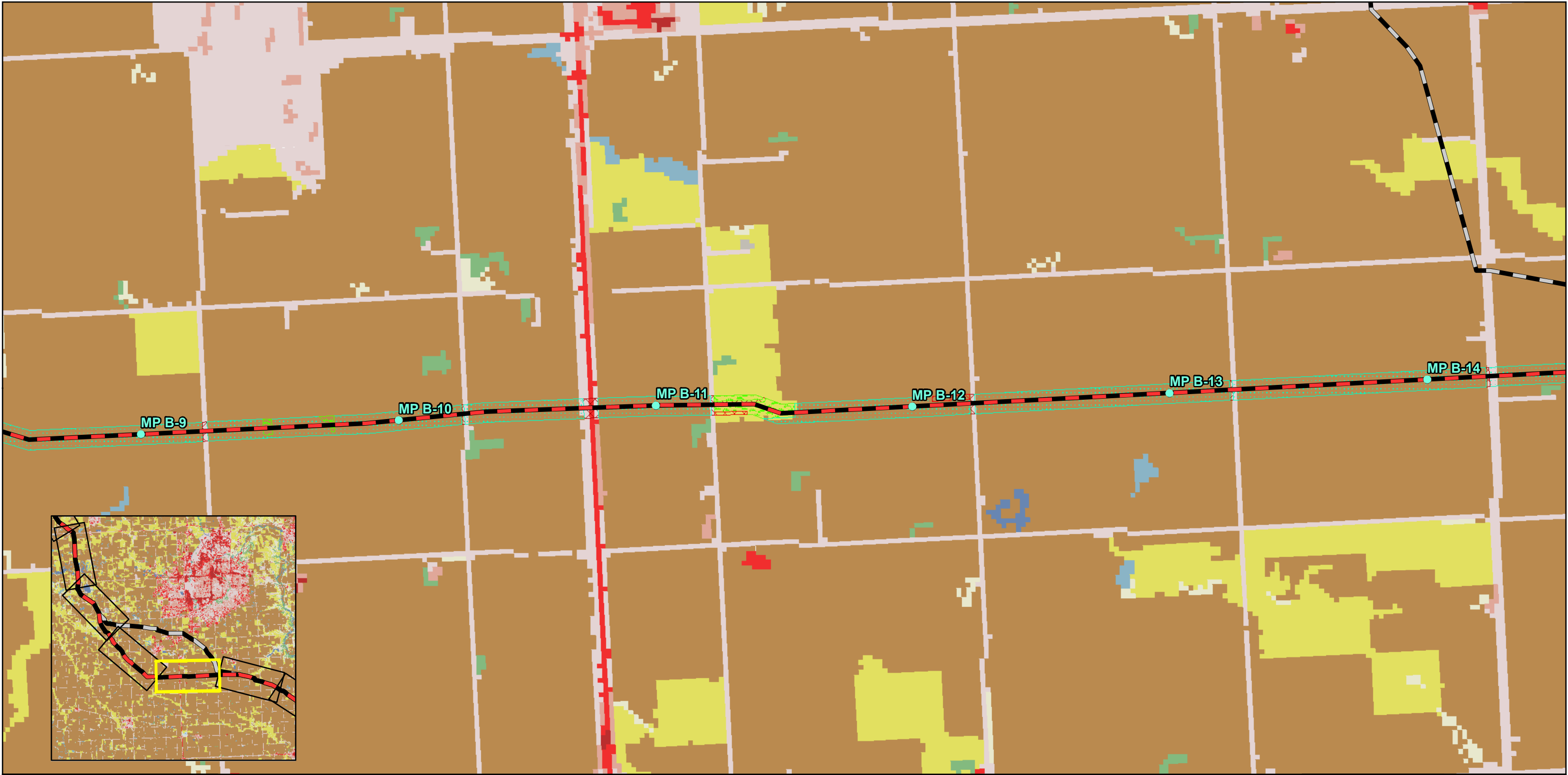
Page 44 of 49	Scale: 1:24,000
NAD 83 South Dakota South Ft	Date: Dec 15, 2014





<ul style="list-style-type: none">MilepostReroute MilepostProposed RoutePrevious Route <p>USGS NLCD Type</p> <ul style="list-style-type: none">Open WaterDeveloped, Open Space	<ul style="list-style-type: none">Developed, Low intensityDeveloped, Medium IntensityDeveloped, High IntensityBarren LandDeciduous ForestEvergreen ForestMixed Forest	<ul style="list-style-type: none">Shrub/ScrubGrassland/HerbaceousPasture/HayCultivated CropsWoody WetlandsEmergent Herbaceous Wetlands	<p>Land Use Field Data Type</p> <ul style="list-style-type: none">HaylandsPasturelands and rangelandsUndisturbed native grasslandIrrigated lands	<ul style="list-style-type: none">Land use primarily for row and no-row crops in rotationPublic, commercial, and institutional useResidentialRural residences and farmsteads, family farms, and ranches	<p>USFWS Fee Owned Land</p> <ul style="list-style-type: none">Waterfowl Protection Area <p>USFWS Easements</p> <ul style="list-style-type: none">GrasslandGrassland/WetlandWetland
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0 2,000 4,000 6,000 8,000 Feet

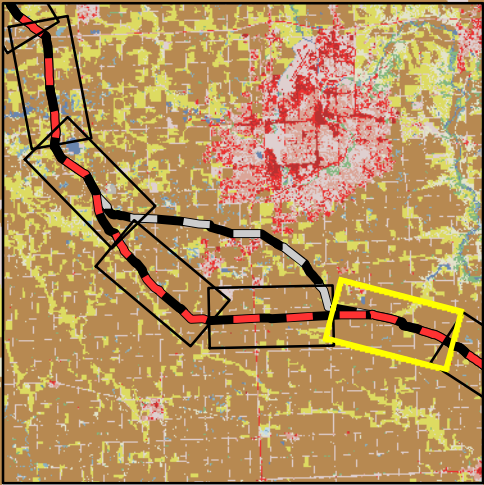


<ul style="list-style-type: none">MilepostReroute MilepostProposed RoutePrevious Route	USGS NLCD Type <ul style="list-style-type: none">Open WaterDeveloped, Open Space	<ul style="list-style-type: none">Developed, Low intensityDeveloped, Medium IntensityDeveloped, High IntensityBarren LandDeciduous ForestEvergreen ForestMixed Forest	<ul style="list-style-type: none">Shrub/ScrubGrassland/HerbaceousPasture/HayCultivated CropsWoody WetlandsEmergent Herbaceous Wetlands	Land Use Field Data Type <ul style="list-style-type: none">HaylandsPasturelands and rangelandsUndisturbed native grasslandIrrigated lands	<ul style="list-style-type: none">Land use primarily for row and no-row crops in rotationPublic, commercial, and institutional useResidentialRural residences and farmsteads, family farms, and ranches	USFWS Fee Owned Land <ul style="list-style-type: none">Waterfowl Protection Area USFWS Easements <ul style="list-style-type: none">GrasslandGrassland/WetlandWetland
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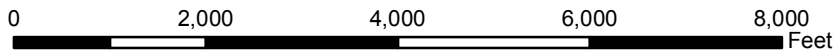
Feet



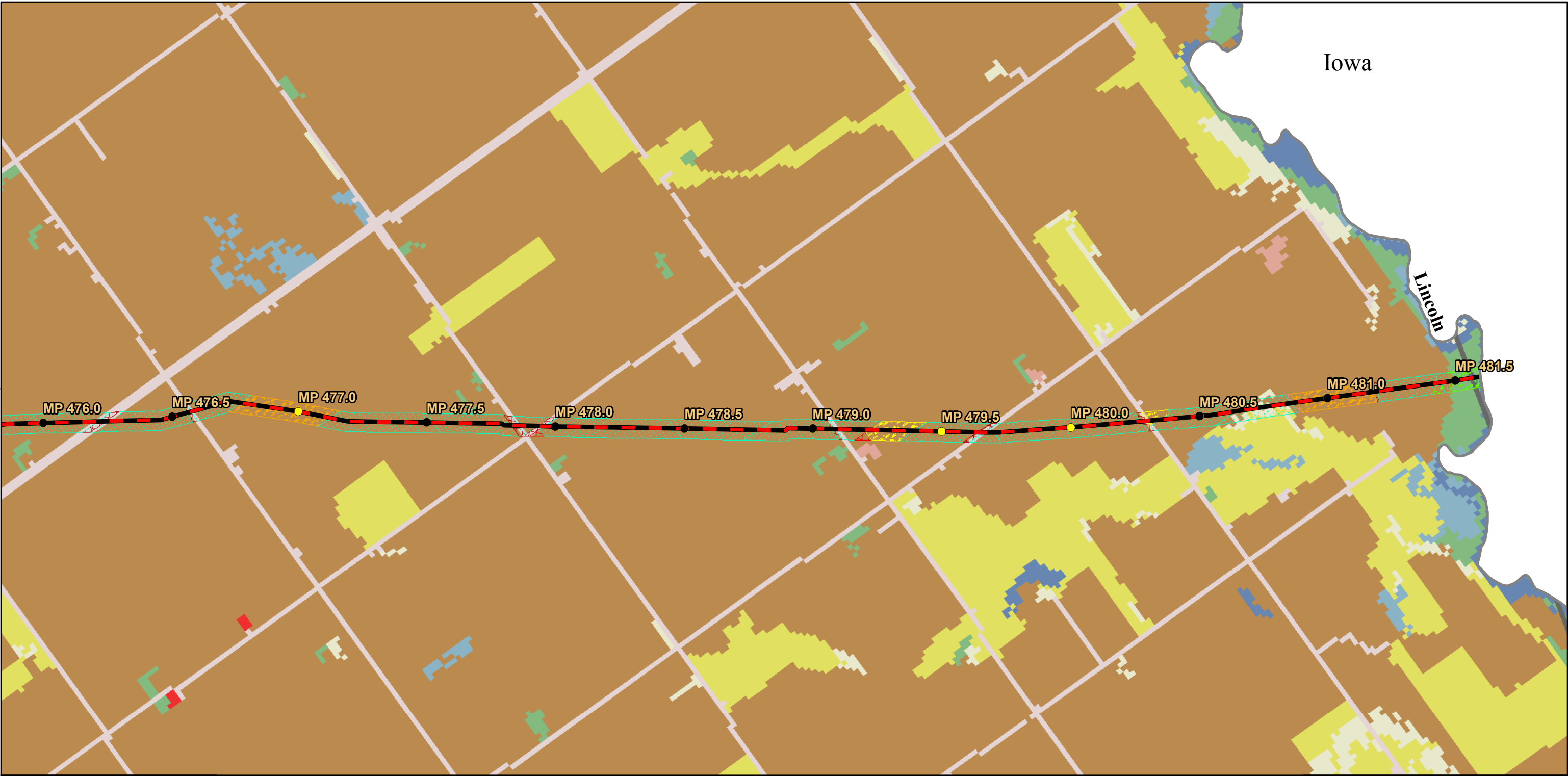


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| <ul style="list-style-type: none">MilepostReroute MilepostProposed RoutePrevious Route | USGS NLCD Type <ul style="list-style-type: none">Open WaterDeveloped, Open SpaceDeveloped, Low intensityDeveloped, Medium IntensityDeveloped, High IntensityBarren LandDeciduous ForestEvergreen ForestMixed Forest | <ul style="list-style-type: none">Shrub/ScrubGrassland/HerbaceousPasture/HayCultivated CropsWoody WetlandsEmergent Herbaceous Wetlands | Land Use Field Data Type <ul style="list-style-type: none">HaylandsPasturelands and rangelandsUndisturbed native grasslandIrrigated landsLand use primarily for row and no-row crops in rotationPublic, commercial, and institutional useResidentialRural residences and farmsteads, family farms, and ranches |
|---|--|---|--|

- USFWS Fee Owned Land**
- Waterfowl Protection Area
- USFWS Easements**
- Grassland
 - Grassland/Wetland
 - Wetland



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South Dakota



● Milepost
— Proposed Route

USGS NLCD Type

- | | |
|-------------------------------|--------------------|
| ■ Open Water | ■ Deciduous Forest |
| ■ Developed, Open Space | ■ Evergreen Forest |
| ■ Developed, Low intensity | ■ Mixed Forest |
| ■ Developed, Medium Intensity | ■ Barren Land |
| ■ Developed, High Intensity | |

- | | |
|------------------------|--------------------------------|
| ■ Shrub/Scrub | ■ Cultivated Crops |
| ■ Grassland/Herbaceous | ■ Woody Wetlands |
| ■ Pasture/Hay | ■ Emergent Herbaceous Wetlands |

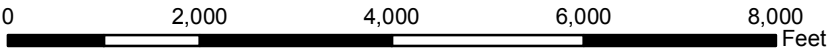
Land Use Field Data Type

- | | |
|-------------------------------|--------------------------------|
| ■ Haylands | ■ Undisturbed native grassland |
| ■ Pasturelands and rangelands | ■ Irrigated lands |

- | | |
|---|--|
| ■ Land use primarily for row and no-row crops in rotation | ■ Public, commercial, and institutional use |
| ■ Residential | ■ Rural residences and farmsteads, family farms, and ranches |

USFWS Fee Owned Land

- | |
|-----------------------------|
| ■ Waterfowl Protection Area |
| USFWS Easements |
| ■ Grassland |
| ■ Grassland/Wetland |
| ■ Wetland |



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